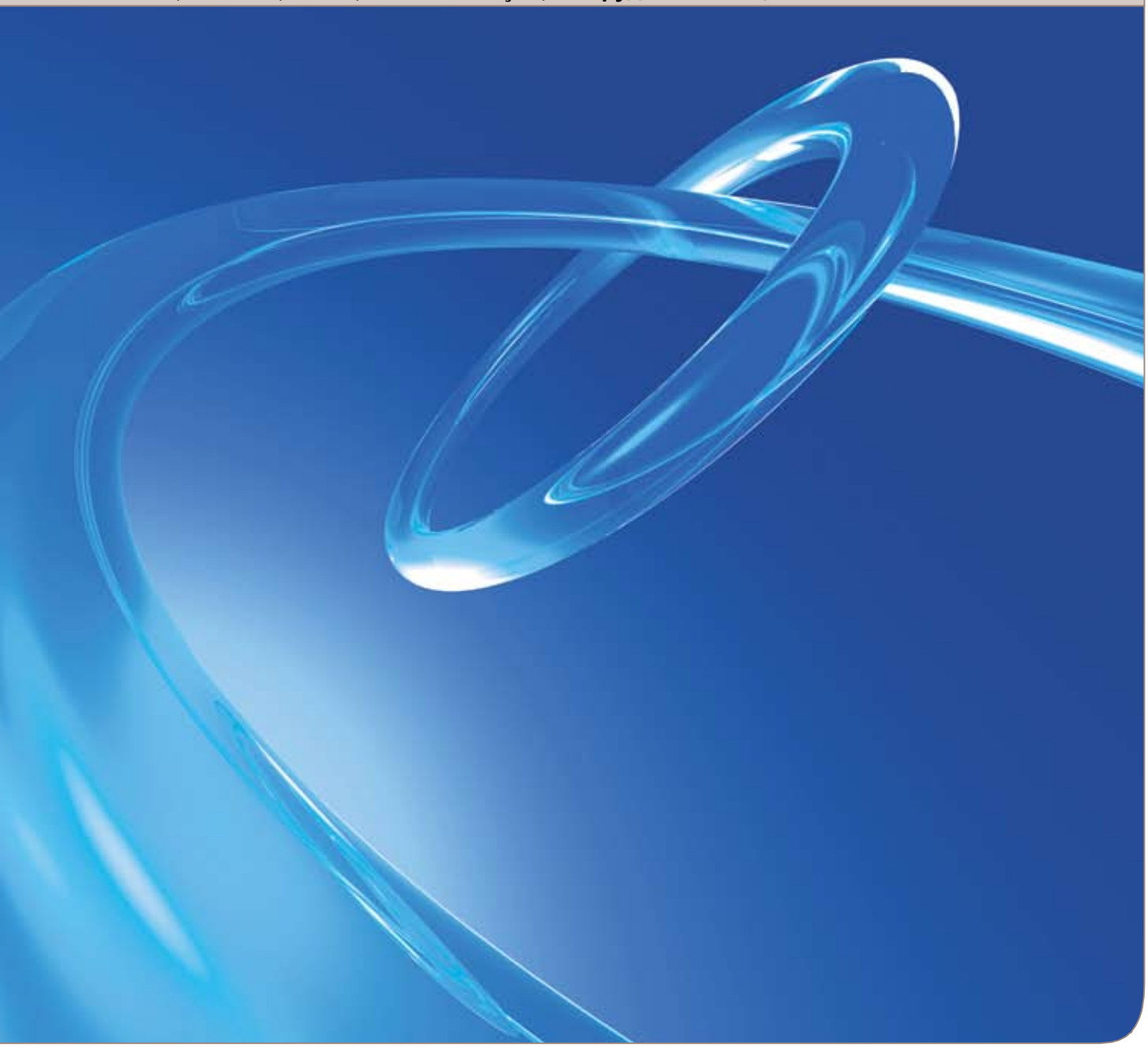
Pricelist
Refrigeration Equipment – 2010

Pricelist, Listino Prezzi, Preisliste, Prislista, Lista de Precios, Liste de Prix, Hinnasto, Cennik, Prisliste, Ceník, Lista de Preços, Оборудование и цены



Refrigeration pricelist 2010

Content Page

Brazed heat exchangers

AlfaNova heat exchangers

Gasketed heat exchangers

Shell & Tubes and Liquid Receivers

Alfa Laval Air Cooled Condensers

Alfa Laval Air Cooled Liquid Coolers

Alfa Laval Air Coolers

Spare Parts List

Distribution units

Dear customer,

This price list is valid from 01.01.2010; all previous price lists will loose their validity at this date. The prices shown in this list are our gross prices, based on Term of delivery according to Incoterm 2000, including export packing and loading at production unit (FCA Production site), excluding VAT and export/import duties. "The General Conditions of the selling Alfa Laval Group company apply to all purchases of products contained in this pricelist. These conditions apply whether or not a copy is attached to the order confirmation or whether a reference is made in the order confirmation. A copy of these General Conditions can be obtained from the selling Alfa Laval Group company". Prices are subject to change without notice. While every precaution has been taken, Alfa Laval assumes no responsibility for errors or omission, or for damage resulting from the information contained herein.

Brazed heat exchangers

AC10

The plate heat exchangers are quality secured according to DIN ISO9001 certificate. All including components are made in acid proof stainless steel material and brazed in vacuum furnace using 100% copper filler material. The units are manufactured according to European Directive 97/23/EC, AFS 1999:4, and therefore pressure tested with air and leakage tested with helium. Auxiliaries: Couplings and fastening device.
Pressure x Volume is too small for PED approval.

	PED
Design temperature °C min/max (S3/S4, S1/S2)	-196/+175
Design pressure (bar) (S3/S4, S1/S2)	32 , 32
Max nbr of plates available	40

Heat exchanger								
Model		**Part no.**	**Price**	**Dim. (mm) L x W x H**	**Weight kg/unit**		**Part no.**	**Price**
Connections: **S1/S2** *ISO G 3/4" External thread* **S3/S4** *3/4" Soldering connections*								
AC10-14 (G21,A21)	S	3283014001	**217**	64 X 77 X 207	1.1			
AC10-28 (G21,A21)	S	3283014002	**308**	97 X 77 X 207	2			
Extras								
Screw fittings								
DN15 3/4"; Pipe: CS; Nut: CS. Gasket included	S	162623509	**10.2**		0.1		Welding type	
15 mm 3/4"; Pipe: Brass; Nut: CS. Gasket included	S	3456105403	**15.1**		0.1		Soldering type	

S = Stock unit

CB27 / CBH27

The plate heat exchangers are quality secured according to DIN ISO9001 certificate. All including components are made in acid proof stainless steel material and brazed in vacuum furnace using 100% copper filler material. The units are manufactured according to European Directive 97/23/EC, AFS 1999:4, and therefore pressure tested with air and leakage tested with helium. Auxiliaries: Insulations, couplings and fastening device.

		PED
Design temperature °C min/max (S3/S4, S1/S2)	CB27	-196/+175
Design pressure (bar) (S3/S4, S1/S2)	CB27	32 , 32
Max nbr of plates available	CB27	150
Design temperature °C min/max (S3/S4, S1/S2)	CBH27	-196/+175
Design pressure (bar) (S3/S4, S1/S2)	CBH27	49 , 49
Max nbr of plates available	CBH27	150

Heat exchanger							**Insulation type P**	
Model		**Part no.**	**Price**	**Dim. (mm) L x W x H**	**Weight kg/unit**		**Part no.**	**Price**
Connections: **S1/S2** *BSP 1" External thread* **S3/S4** *1"1/8 Soldering connections*								
CB27-10H (H21, B21)	S	3287051932	**281**	57 X 111 X 310	2.6		3456213901	**46.8**
CB27-14H (H21, B21)	S	3287051933	**317**	67 X 111 X 310	3.1		3456213901	**46.8**
CB27-20H (H21, B21)	S	3287051934	**369**	81 X 111 X 310	3.8		3456213902	**48.9**
CB27-24H (H21, B21)	S	3287051935	**401**	91 X 111 X 310	4.3		3456213902	**48.9**
CB27-30H (H21, B21)	S	3287051936	**456**	105 X 111 X 310	5.1		3456213903	**51**
CB27-34H (H21, B21)	S	3287051937	**494**	115 X 111 X 310	5.6		3456213903	**51**
CB27-40H (H21, B21)	S	3287051938	**544**	129 X 111 X 310	6.3		3456213904	**52**
CB27-50H (H21, B21)	S	3287051939	**631**	153 X 111 X 310	7.6		3456213905	**54.1**
CB27-60H (H21, B21)	S	3287051940	**722**	177 X 111 X 310	8.8		3456213906	**56.2**
CB27-70H (H21, B21)	S	3287051941	**810**	201 X 111 X 310	10.1		3456213907	**58.2**
CB27-100H (H21, B21)	S	3287051942	**1072**	273 X 111 X 310	13.8		3456213908	**63.4**
Units with 6 connections and stud bolts								
CB27-20H (H21,B21) (B21,T1,T2) B		3287051913	**417**	100 X 111 X 310	4		3456213902	**48.9**
CB27-24H (H21,B21) (B21,T1,T2) B		3287051914	**451**	110 X 111 X 310	4.5		3456213902	**48.9**
CB27-30H (H21,B21) (B21,T1,T2) B		3287051915	**503**	124 X 111 X 310	5.2		3456213903	**51**
CB27-34H (H21,B21) (B21,T1,T2) B		3287051916	**537**	134 X 111 X 310	5.7		3456213903	**51**
CB27-40H (H21,B21) (B21,T1,T2) B		3287051917	**592**	148 X 111 X 310	6.5		3456213904	**52**
CB27-50H (H21,B21) (B21,T1,T2) B		3287051918	**679**	172 X 111 X 310	7.7		3456213905	**54.1**
High pressure units: **S1/S2/S3/S4** *1"1/8 Soldering connections*								
CBH27-30H (H21, H21)	S	3287054187	**523**	105 X 111 X 310	5.7		3456213903	**51**
CBH27-40H (H21, H21)	S	3287054188	**613**	129 X 111 X 310	6.9		3456213904	**52**
CBH27-50H (H21, H21)	S	3287054189	**704**	153 X 111 X 310	8.2		3456213905	**54.1**
High pressure units:								
CBH27-20 (H21, B21)		3288001448	**428**	81 X 111 X 310	4.4		3456213902	**48.9**
CBH27-30 (H21, B21)		3288001449	**519**	105 X 111 X 310	5.7		3456213903	**51**
CBH27-40 (H21, B21)		3288001452	**605**	129 X 111 X 310	6.9		3456213904	**52**
CBH27-50 (H21, B21)		3288001453	**692**	153 X 111 X 310	8.2		3456213905	**54.1**
Extras								
Protective insulation type P: Prefabricated insulation jacket with 19 mm closed cell expanded elastomer with 0.5 mm external PVC protection layer. Max. temperature: 100°C Min. temperature: -45°C								
Screw fittings								
DN20 1"; Pipe: CS; Nut; Brass gasket included	S	162623507	**15.4**		0.2		Welding type	
22 mm 1"; Pipe: Brass; Nut: CS. Gasket included	S	3456105402	**16**		0.1		Soldering type	

S = Stock unit

AC-30 / ACH-30

The plate heat exchangers are quality secured according to DIN ISO9001 certificate. All including components are made in acid proof stainless steel material and brazed in vacuum furnace using 100% copper filler material. The units are manufactured according to European Directive 97/23/EC, AFS 1999:4, and therefore pressure tested with air and leakage tested with helium. Auxiliaries: Insulations, couplings and fastening device.

		PED
Design temperature °C min/max (S3/S4, S1/S2)	AC-30	-196/+150
Design pressure (bar) (S3/S4, S1/S2)	AC-30	32, 32
Max nbr of plates available	AC-30	120
Design temperature °C min/max (S3/S4, S1/S2)	ACH-30	-196/+150
Design pressure (bar) (S3/S4, S1/S2)	ACH-30	45, 45
Max nbr of plates available	ACH-30	120

Heat exchanger						**Insulation type P**	
Model		**Part no.**	**Price**	**Dim. (mm) L x W x H**	**Weight kg/unit**	**Part no.**	**Price**
*Connections:***S1/S2** *B21 BSP 1" External thread,* **S3** *H24 (1/2") - H62 (1/2") - H65 H66 H67 (5/8"),* **S4** *H41 (1" 1/8) - H23 (7/8") Soldering connections*							
AC-30-10EQ (H24,H23,B21)	S	3288153696	**291**	48 X 94 X 325	2	3456214001	**49.9**
AC-30-14EQ (H24,H23,B21)	S	3288153697	**322**	54 X 94 X 325	2.4	3456214001	**49.9**
AC-30-20EQ (H24,H23,B21)	S	3288153698	**369**	63 X 94 X 325	2.9	3456214002	**51**
AC-30-24EQ (H24,H23,B21)	S	3288153699	**399**	69 X 94 X 325	3.2	3456214002	**51**
AC-30-30EQ (H62,H23,B21)	S	3288101016	**447**	79 X 94 X 325	3.8	3456214003	**52**
AC-30-36EQ (H62,H23,B21)	S	3288101017	**494**	88 X 94 X 325	4.3	3456214003	**52**
AC-30-40EQ (H62,H23,B21)	S	3288101018	**525**	94 X 94 X 325	4.6	3456214004	**54.1**
AC-30-44EQ (H62,H23,B21)	S	3288101019	**556**	100 X 94 X 325	5	3456214004	**54.1**
AC-30-54EQ (H65,H41,B21)	S	3288101403	**632**	115 X 94 X 325	5.8	3456214005	**55.1**
AC-30-60EQ (H65,H41,B21)	S	3288101404	**681**	124 X 94 X 325	6.3	3456214005	**55.1**
AC-30-70EQ (H66,H41,B21)	S	3288101405	**757**	139 X 94 X 325	7.2	3456214006	**56.2**
AC-30-80EQ (H66,H41,B21)	S	3288101406	**835**	155 X 94 X 325	8.1	3456214006	**56.2**
AC-30-90EQ (H67,H41,B21)		3288101407	**916**	170 X 94 X 325	8.9	3456214007	**60.3**
AC-30-100EQ (H67,H41,B21)		3288101408	**992**	185 X 94 X 325	9.8	3456214007	**60.3**
AC-30-20EQ (H24,H23,B21) (B21,T1,T2) B		3288153701	**406**	87 X 94 X 325	2.6	3456214002	**51**
AC-30-24EQ (H24,H23,B21) (B21,T1,T2) B		3288153702	**452**	93 X 94 X 325	2.9	3456214002	**51**
AC-30-30EQ (H62,H23,B21) (B21,T1,T2) B		3288101028	**500**	103 X 94 X 325	3.5	3456214003	**52**
AC-30-36EQ (H62,H23,B21) (B21,T1,T2) B		3288101029	**547**	112 X 94 X 325	4	3456214003	**52**
AC-30-40EQ (H62,H23,B21) (B21,T1,T2) B		3288101030	**577**	118 X 94 X 325	4.3	3456214004	**54.1**
AC-30-44EQ (H62,H23,B21) (B21,T1,T2) B		3288101031	**608**	124 X 94 X 325	4.7	3456214004	**54.1**
AC-30-54EQ (H65,H41,B21) (B21,T1,T2) B		3288101409	**686**	139 X 94 X 325	5.5	3456214005	**55.1**
AC-30-60EQ (H65,H41,B21) (B21,T1,T2) B		3288101410	**733**	148 X 94 X 325	6	3456214005	**55.1**
AC-30-70EQ (H66,H41,B21) (B21,T1,T2) B		3288101411	**811**	163 X 94 X 325	6.9	3456214006	**56.2**
AC-30-80EQ (H66,H41,B21) (B21,T1,T2) B		3288101412	**889**	179 X 94 X 325	7.8	3456214006	**56.2**
AC-30-90EQ (H67,H41,B21) (B21,T1,T2) B		3288101413	**967**	194 X 94 X 325	8.6	3456214007	**60.3**
AC-30-100EQ (H67,H41,B21) (B21,T1,T2) B		3288101414	**1043**	209 X 94 X 325	9.5	3456214007	**60.3**
High pressure all soldering: S1/S2 H23 (7/8") Soldering, S3 H62 (1/2") - H65 H66 (5/8") Soldering, S4 H23 (7/8") - H41 (1" 1/8) Soldering							
ACH-30-40EQ (H62,H23,H23)	S	3288154174	**584**	94 X 94 X 325	4.6	3456214004	**54.1**
ACH-30-60EQ (H65,H41,H23)	S	3288154175	**757**	124 X 94 X 325	6.3	3456214005	**55.1**
ACH-30-80EQ (H66,H41,H23)	S	3288154176	**929**	155 X 94 X 325	8	3456214006	**56.2**
Extras							
Protective insulation type P: Prefabricated insulation jacket with 19 mm closed cell expanded elastomer with 0.5 mm external PVC protection layer. Max. temperature: 100°C Min. temperature: -45°C							
Kit/Adaptor for sensor							
1" to 1/2" adaptor for water connect. B21	S	34561116-01	**19**				
Kit/Blind plug							
1" plug to close water connect. B21	S	34561115-01	**17**				
Screw fittings							
DN20 1"; Pipe: CS; Nut; Brass gasket included	S	1626235-07	**15**	Fits to B21	0.2	Welding type	
22 mm 1"; Pipe: Brass; Nut: CS. Gasket included	S	34561054-02	**15**	Fits to B21	0.1	Soldering type	

S = Stock unit

CB52

The plate heat exchangers are quality secured according to DIN ISO9001 certificate. All including components are made in acid proof stainless steel material and brazed in vacuum furnace using copper filler material. The units are manufactured according to European Directive 97/23/EC, AFS 1999:4, and therefore pressure tested with air and leakage tested with helium.

	PED
Design temperature °C min/max (S3/S4, S1/S2)	-196/+175
Design pressure (bar) (S3/S4, S1/S2)	32 , 32
Max nbr of plates available	150

Model		Part no.	Price	Dim. (mm) L x W x H	Weight kg/unit	
Heat exchanger						
Connections: **S1/S2** *BSP 1" External thread* **S3/S4** *1"1/8 Soldering connections*						
CB52-10H (H21,B21)F1	S	3236151102	**396**	58 X 111 X 526	4.3	
CB52-14H (H21,B21)F1		3285002704	**456**	68 X 111 X 526	5.2	
CB52-20H (H21,B21)F1	S	3236151202	**547**	82 X 111 X 526	6.6	
CB52-26H (H21,B21)F1		3285002506	**643**	96 X 111 X 526	7.9	
CB52-30H (H21,B21)F1	S	3236151302	**703**	106 X 111 X 526	8.8	
CB52-40H (H21,B21)F1	S	3236151402	**856**	130 X 111 X 526	11	
CB52-50H (H21,B21)F1	S	3236151502	**1017**	154 X 111 X 526	13.2	
CB52-60H (H21,B21)F1	S	3236151602	**1165**	178 X 111 X 526	15.4	
6 connections and stud bolts (extra BSP 1" in T1/T2)						
CB52-20 (H21,B21) (B21,T1,T2,)B		3285002502	**599**	100 X 111 X 526	6.7	
CB52-30 (H21,B21) (B21,T1,T2,)B		3285002710	**723**	124 X 111 X 526	8.9	
CB52-36 (H21,B21) (B21,T1,T2,)B		3285002711	**833**	138 X 111 X 526	10.3	
CB52-40 (H21,B21) (B21,T1,T2,)B		3285002712	**900**	148 X 111 X 526	11.2	
CB52-50 (H21,B21) (B21,T1,T2,)B		3285002713	**1069**	172 X 111 X 526	13.4	
CB52-60 (H21,B21) (B21,T1,T2,)B		3285002714	**1217**	196 X 111 X 526	15.6	
Extras						
Kit/Adaptor for sensor						
1" to 1/2" adaptor for water connect. B21	S	3456111601	**20**		0.1	
Kit/Blind plug						
1" plug to close water connect. B21	S	3456111501	**17.8**		0.1	
Screw fittings						
DN20 1"; Pipe: CS; Nut; Brass gasket included	S	162623507	**15.4**		0.2	Welding type
22 mm 1"; Pipe: Brass; Nut: CS. Gasket included	S	3456105402	**16**		0.1	Soldering type

S = Stock unit

CB60

The plate heat exchangers are quality secured according to DIN ISO9001 certificate. All including components are made in acid proof stainless steel material and brazed in vacuum furnace using copper filler material. The units are manufactured according to European Directive 97/23/EC, AFS 1999:4, and therefore pressure tested with air and leakage tested with helium.

	PED
Design temperature °C min/max (S3/S4, S1/S2)	-196/+225
Design pressure (bar) (S3/S4, S1/S2)	32 , 32
Max nbr of plates available	100

Heat exchanger						Insulation type P	
Model		**Part no.**	**Price**	**Dim. (mm) L x W x H**	**Weight kg/unit**	**Part no.**	**Price**
4 connections with stud bolts							
Connections: **S3/S4** *Soldering H21 (1"1/8).* **S1/S2** *External thread B21 (BSP 1")*							
CB60-10H-F (H21,B21)	S	3287079131	**381**	60 X 113 X 527	4		
CB60-14H-F (H21,B21)		3287079132	**434**	70 X 113 X 527	4.7		
CB60-20H-F (H21,B21)	S	3287079133	**515**	84 X 113 X 527	5.8		
CB60-26H-F (H21,B21)		3287079134	**594**	98 X 113 X 527	6.8		
CB60-30H-F (H21,B21)	S	3287079135	**648**	108 X 113 X 527	7.5		
CB60-40H-F (H21,B21)	S	3287079136	**781**	131 X 113 X 527	9.3		
CB60-50H-F (H21,B21)	S	3287079137	**914**	154 X 113 X 527	11		
CB60-60H-F (H21,B21)	S	3287079138	**1048**	178 X 113 X 527	12.8		
6 connections with stud bolts							
CB60-20H-F (H21,B21)(B21-T1-T2)		3287078651	**550**	100 X 113 X 527	5.9		
CB60-30H-F (H21,B21)(B21-T1-T2)		3287078652	**682**	124 X 113 X 527	7.6		
CB60-36H-F (H21,B21)(B21-T1-T2)		3287078653	**763**	138 X 113 X 527	8.7		
CB60-40H-F (H21,B21)(B21-T1-T2)		3287078654	**816**	147 X 113 X 527	9.4		
CB60-50H-F (H21,B21)(B21-T1-T2)		3287078655	**950**	170 X 113 X 527	11.2		
CB60-60H-F (H21,B21)(B21-T1-T2)		3287078656	**1083**	194 X 113 X 527	12.9		
Extras							
Kit/Adaptor for sensor							
1" to 1/2" adaptor for water connect. B21	S	3456111601	**20**		0.1		
Kit/Blind plug							
1" plug to close water connect. B21	S	3456111501	**17.8**		0.1		

S = Stock unit

AC-70 / ACH-70

The plate heat exchangers are quality secured according to DIN ISO9001 certificate. All including components are made in acid proof stainless steel material and brazed in vacuum furnace using 100% copper filler material. The units are manufactured according to European Directive 97/23/EC, AFS 1999:4, and therefore pressure tested with air and leakage tested with helium. Auxiliaries: Insulations, couplings and fastening device.

		PED
Design temperature °C min/max (S3/S4, S1/S2)	AC-70	-196/+150
Design pressure (bar) (S3/S4, S1/S2)	AC-70	32, 32
Max nbr of plates available	AC-70	150
Design temperature °C min/max (S3/S4, S1/S2)	ACH-70	-196/+150
Design pressure (bar) (S3/S4, S1/S2)	ACH-70	45, 45
Max nbr of plates available	ACH-70	150

Heat exchanger						Insulation type P	
Model		**Part no.**	**Price**	**Dim. (mm) L x W x H**	**Weight kg/unit**	**Part no.**	**Price**
Connections: **S3** *Soldering H39 G65 G67 G68 (16.1 mm), N60 H30 (22.3 mm).* **S4** *Soldering H21 (1" 1/8), H34 (1" 3/8).* **S1/S1** *External threadB32 (BSP 1"), B32 (BSP 1" 1/4)*							
AC-70X-12M (H39,H21,B21)		3287065785	**384**	63 X 111 X 526	4.3		
AC-70X-20M (H39,H21,B21)	S	3287065787	**499**	81 X 111 X 526	5.7	3456214101	**59.3**
AC-70X-30M (G65,H21,B21)	S	3287065788	**642**	104 X 111 X 526	7.5	3456214102	**62.4**
AC-70X-40M (G67,H21,B21)	S	3287065789	**787**	127 X 111 X 526	9.3	3456214103	**64.5**
AC-70X-50M (G67,H34,B32)	S	3287065790	**955**	150 X 111 X 526	11.2	3456214104	**67.6**
AC-70X-60M (G68,H34,B32)	S	3287065791	**1099**	173 X 111 X 526	13	3456214105	**69.7**
AC-70X-70M (G68,H34,B32)	S	3287065792	**1244**	196 X 111 X 526	14.8	3456214106	**71.8**
AC-70X-80M (N60,H34,B32)	S	3287065793	**1395**	219 X 111 X 526	15.7	3456214107	**74.9**
AC-70X-90M (N60,H34,B32)		3287065794	**1539**	242 X 111 X 526	18.4	3456214108	**77**
AC-70X-100M (H30,H34,B32)	S	3287065795	**1675**	265 X 111 X 526	20.2	3456214109	**85.3**
AC-70X-110M (H30,H34,B32)		3287065796	**1820**	288 X 111 X 526	22	3456214110	**89.4**
AC-70X-120M (H30,H34,B32)	S	3287065797	**1965**	311 X 111 X 526	23.8	3456214111	**93.6**
Units with stud bolts and 6 connections. Extra B21 (BSP 1"), B32 (BSP 1"1/4) in T1/T2							
AC-70X-20M (H39,H21,B21)(B21,T1,T2)B	S	3287065799	**534**	99 X 111 X 526	5.9	3456214101	**59.3**
AC-70X-30M (G65,H21,B21)(B21,T1,T2)B	S	3287065800	**677**	122 X 111 X 526	7.7	3456214102	**62.4**
AC-70X-40M (G67,H21,B21)(B21,T1,T2)B	S	3287065801	**821**	145 X 111 X 526	9.5	3456214103	**64.5**
AC-70X-50M (G67,H34,B32)(B32,T1,T2)B	S	3287065802	**1011**	168 X 111 X 526	11.4	3456214104	**67.6**
AC-70X-60M (G68,H34,B32)(B32,T1,T2)B		3287065803	**1156**	191 X 111 X 526	13.2	3456214105	**69.7**
AC-70X-70M (G68,H34,B32)(B32,T1,T2)B	S	3287065804	**1300**	214 X 111 X 526	15	3456214106	**71.8**
AC-70X-80M (N60,H34,B32)(B32,T1,T2)B		3287065805	**1451**	237 X 111 X 526	16.8	3456214107	**74.9**
AC-70X-90M (N60,H34,B32)(B32,T1,T2)B	S	3287065806	**1595**	260 X 111 X 526	18.6	3456214108	**77**
AC-70X-100M (H30,H34,B32)(B32,T1,T2)B		3287065807	**1732**	283 X 111 X 526	20.4	3456214109	**85.3**
AC-70X-110M (H30,H34,B32)(B32,T1,T2)B	S	3287065808	**1876**	306 X 111 X 526	22.2	3456214110	**89.4**
AC-70X-120M (H30,H34,B32)(B32,T1,T2)B		3287065809	**2021**	329 X 111 X 526	24	3456214111	**93.6**
High pressure units. Connections: S3 Soldering D64 D63 (16.1 mm), N60 (22.3 mm). S4 Soldering H23 (7/8"), H21 (1"1/8), H34 (1"3/8)							
ACH-70X-20M (D64,H23,B21)		3287065814	**522**	80 X 111 X 526	4.5	3456214101	**59.3**
ACH-70X-40M (D63,H21,B21)		3287065815	**821**	126 X 111 X 526	7.9	3456214103	**64.5**
ACH-70X-60M (D63,H34,B32)		3287065816	**1146**	172 X 111 X 526	11.4	3456214105	**69.7**
ACH-70X-80M (N60,H34,B32)		3287065817	**1451**	219 X 111 X 526	16.6	3456214107	**74.9**
ACH-70X-100M (N60,H34,B32)		3287065818	**1750**	265 X 111 X 526	20.2	3456214109	**85.3**
ACH-70X-120M (N60,H34,B32)		3287065819	**2050**	311 X 111 X 526	23.8	3456214111	**93.6**
High pressure units all soldering with stud bolts. Connections: S3 Soldering G67 G68 (16.1 mm), N60 H30 (22.3 mm). S4 Soldering H34 (1"3/8). S1/S2 Soldering H21 (1"1/8), H38 (1"3/8)							
ACH-70X-50H (G67,H34,H21)B	S	3287065932	**983**	149 X 111 X 526	9.5	3456214104	**67.6**
ACH-70X-70H (G68,H34,H21)B	S	3287065933	**1282**	195 X 111 X 526	12.9	3456214106	**71.8**
ACH-70X-90H (N60,H34,H38)B	S	3287065934	**1603**	242 X 111 X 526	18.3	3456214108	**77**
ACH-70X-110H (H30,H34,H38)B	S	3287065935	**1895**	287 X 111 X 526	19.6	3456214110	**89.4**
ACH-70X-120H (H30,H34,H38)B		3287065936	**2046**	310 X 111 X 526	21.3	3456214111	**93.6**
Extras							
Protective insulation type P: Prefabricated insulation jacket with 19 mm closed cell expanded elastomer with 0.5 mm external PVC protection layer. Max. temperature: 100°C Min. temperature: -45°C							
Screw fittings							
DN20 1"; Pipe: CS; Nut; Brass gasket included	S	1626235-07	**15**	Fits to B21	0.2	Welding type	
22 mm 1"; Pipe: Brass; Nut: CS. Gasket included	S	34561054-02	**15**	Fits to B21	0.1	Soldering type	
DN25 1 1/4"; Pipe & Nut: CS; Gasket included	S	1626235-04	**20**	Fits to B32	0.2	Welding type	
28 mm 1 1/4"; Pipe & Nut: CS; Gasket included	S	1626235-06	**26**	Fits to B32	0.1	Soldering type	

S = Stock unit

CB76

The plate heat exchangers are quality secured according to DIN ISO9001 certificate. All including components are made in acid proof stainless steel material and brazed in vacuum furnace using 100% copper filler material. The units are manufactured according to European Directive 97/23/EC, AFS 1999:4, and therefore pressure tested with air and leakage tested with helium. Auxiliaries: Couplings and fastening device.
See table below.

	PED	
	H-E	M - L
Design temperature °C min/max (S3/S4, S1/S2)	-196/+175	-196/+175
Design pressure (bar) (S3/S4, S1/S2)	32, 32	28, 27
Max nbr of plates available	190	190

Heat exchanger								
Model		**Part no.**	**Price**	**Dim. (mm) L x W x H**	**Weight kg/unit**			
Connections: **S1/S2** *BSP 2" External thread* **S3/S4** *2"1/8 Soldering connections*								
CB76-20H (D21,B23)F1	S	3287062182	**1246**	64 X 191 X 618	15.6			
CB76-30H (D21,B23)F1	S	3287062183	**1527**	93 X 191 X 618	20			
CB76-40H (D21,B23)F1	S	3287062184	**1808**	121 X 191 X 618	24.4			
CB76-50H (D21,B23)F1	S	3287062185	**2089**	150 X 191 X 618	28.8			
CB76-60H (D21,B23)F1	S	3287062186	**2370**	178 X 191 X 618	33.2			
CB76-70H (D21,B23)F1	S	3287062187	**2652**	207 X 191 X 618	37.6			
CB76-80H (D21,B23)F1	S	3287062188	**2940**	235 X 191 X 618	42			
CB76-90H (D21,B23)F1	S	3287062189	**3226**	264 X 191 X 618	46.4			
CB76-100H (D21,B23)F1	S	3287062190	**3508**	292 X 191 X 618	50.8			
Special units to be used as desuperheater or oil cooler								
CB76-20L (D21,B23)		3287062191	**1246**	66 X 191 X 618	15.6			
CB76-30L (D21,B23)	S	3287062192	**1527**	95 X 191 X 618	20			
CB76-40L (D21,B23)	S	3287062193	**1808**	123 X 191 X 618	24.4			
CB76-50L (D21,B23)	S	3287062194	**2089**	152 X 191 X 618	28.8			
CB76-60L (D21,B23)		3287062195	**2370**	180 X 191 X 618	33.2			
CB76-70L (D21,B23)		3287062196	**2652**	209 X 191 X 618	37.6			
CB76-80L (D21,B23)		3287062197	**2940**	237 X 191 X 618	42			
CB76-90L (D21,B23)		3287062198	**3226**	314 X 191 X 618	46.3			
CB76-100L (D21,B23)		3287062199	**3508**	294 X 191 X 618	50.8			
CB76-20M (D21,B23)		3287062163	**1246**	66 X 191 X 618	15.6			
CB76-30M (D21,B23)		3287062164	**1527**	95 X 191 X 618	20			
CB76-40M (D21,B23)		3287062165	**1808**	123 X 191 X 618	24.4			
CB76-50M (D21,B23)		3287062166	**2089**	152 X 191 X 618	28.8			
CB76-60M (D21,B23)		3287062167	**2370**	180 X 191 X 618	33.2			
CB76-70M (D21,B23)		3287062168	**2652**	209 X 191 X 618	37.6			
CB76-80M (D21,B23)		3287062169	**2940**	237 X 191 X 618	42			
CB76-90M (D21,B23)		3287062170	**3226**	266 X 191 X 618	46.4			
CB76-100M (D21,B23)		3287062171	**3508**	294 X 191 X 618	50.8			
CB76-30E (D21,B23)	S	3287062172	**1527**	76 X 191 X 618	20			
CB76-40E (D21,B23)	S	3287062173	**1808**	98 X 191 X 618	24.4			
CB76-50E (D21,B23)	S	3287062174	**2089**	120 X 191 X 618	28.8			
CB76-60E (D21,B23)	S	3287062175	**2370**	142 X 191 X 618	33.2			
CB76-80E (D21,B23)	S	3287062176	**2940**	186 X 191 X 618	42			
CB76-100E (D21,B23)	S	3287062177	**3508**	230 X 191 X 618	50.8			
CB76-120E (D21,B23)	S	3287062178	**4072**	274 X 191 X 618	59.6			
CB76-140E (D21,B23)	S	3287062179	**4642**	318 X 191 X 618	68.4			
CB76-160E (D21,B23)		3287062180	**5212**	362 X 191 X 618	77.2			
CB76-180E (D21,B23)		3287062181	**5778**	454 X 191 X 618	85.9			
Extras								
Kit/Adaptor for sensor								
2" to 1/2" adaptor for water connect. B23	S	3456111401	**26.7**		0.3			
Kit/Blind plug								
2" plug to close water connection B23	*S*	*3456111301*	***23.4***		*0.3*			
Rigid feet								
AC-120 Rigid feet	S	3456108301	**58.4**					
Screw fittings								
DN50 2"; Pipe & Nut: CS	S	162623501	**33.6**		0.5		Welding type	
DN40 2"; Pipe & Nut: CS	S	162623510	**42.5**		0.5		Welding type	
DN25 1 1/4"; Pipe: Brass; Nut: CS	S	3456105401	**57.6**		0.4		Soldering type	
54 mm 2"; Pipe: Brass; Nut: CS. Gasket included	S	162623503	**55.6**		0.4		Soldering type	

S = Stock unit

AC-120 / ACH-120

The plate heat exchangers are quality secured according to DIN ISO9001 certificate. All including components are made in acid proof stainless steel material and brazed in vacuum furnace using 100% copper filler material. The units are manufactured according to European Directive 97/23/EC, AFS 1999:4, and therefore pressure tested with air and leakage tested with helium. Auxiliaries: Insulations, couplings and fastening device.
See table below.

		PED
Design temperature °C min/max (S3/S4, S1/S2)	AC-120	-196/+150
Design pressure (bar) (S3/S4, S1/S2)	AC-120	32, 32
Max nbr of plates available	AC-120	230
Design temperature °C min/max (S3/S4, S1/S2)	ACH-120	-196/+120
Design pressure (bar) (S3/S4, S1/S2)	ACH-120	45, 43
Max nbr of plates available	ACH-120	200

Heat exchanger						**Insulation type P**	
Model		**Part no.**	**Price**	**Dim. (mm) L x W x H**	**Weight kg/unit**	**Part no.**	**Price**
Connections: **S1/S2** *B23 BSP 2" External thread,* **S3** *H56 H57 (7/8") - L54 L55 L56 (1" 1/8),* **S4** *D21 (2" 1/8) Soldering*							
AC-120-20EQ (H56,D21,B23)		3288112084	**1288**	106 X 192 X 617	15.3		
AC-120-28EQ (H56,D21,B23)		3288112085	**1533**	125 X 192 X 617	18.8	3456214202	**84.2**
AC-120-34EQ (H57,D21,B23)		3288112086	**1720**	139 X 192 X 617	21.5	3456214203	**86.3**
AC-120-40EQ (H57,D21,B23)	S	3288112087	**1901**	153 X 192 X 617	24.1	3456214203	**86.3**
AC-120-50EQ (L54,D21,B23)	S	3288112088	**2209**	176 X 192 X 617	28.5	3456214204	**90.5**
AC-120-60EQ (L54,D21,B23)	S	3288112089	**2519**	200 X 192 X 617	32.9	3456214205	**94.6**
AC-120-70EQ (L54,D21,B23)	S	3288112090	**2827**	223 X 192 X 617	37.4	3456214206	**98.8**
AC-120-90EQ (L55,D21,B23)	S	3288112091	**3439**	270 X 192 X 617	46.2	3456214208	**106**
AC-120-110EQ (L55,D21,B23)	S	3288112092	**4053**	318 X 192 X 617	55	3456214210	**113**
6 connections with stud bolts							
AC-120-40EQ (H57,D21,B23)(B23,T1,T2)B		3288112093	**2118**	196 X 192 X 617	24.8	3456214203	**86.3**
AC-120-50EQ (L54,D21,B23)(B23,T1,T2)B	S	3288112094	**2425**	220 X 192 X 617	29.2	3456214204	**90.5**
AC-120-60EQ (L54,D21,B23)(B23,T1,T2)B	S	3288112095	**2731**	243 X 192 X 617	33.6	3456214205	**94.6**
AC-120-70EQ (L54,D21,B23)(B23,T1,T2)B		3288112096	**3039**	266 X 192 X 617	38	3456214206	**98.8**
AC-120-90EQ (L55,D21,B23)(B23,T1,T2)B	S	3288112097	**3654**	314 X 192 X 617	46.9	3456214208	**106**
AC-120-110EQ (L55,D21,B23)(B23,T1,T2)B	S	3288112098	**4183**	360 X 192 X 617	55.7	3456214210	**113**
AC-120-130EQ (L56,D21,B23)(B23,T1,T2)B	S	3288113107	**4642**	408 X 192 X 617	64.5	3456214212	**121**
AC-120-150EQ (L56,D21,B23)(B23,T1,T2)B	S	3288113106	**5225**	454 X 192 X 617	73.3	3456214214	**127**
High pressure units:							
ACH-120-28EQ (H56,D21,B23)		3288101459	**1639**	77 X 192 X 617	19.4	3456214202	**84.2**
ACH-120-40EQ (H57,D21,B23)		3288101460	**2048**	105 X 192 X 617	24.7	3456214203	**86.3**
ACH-120-50EQ (L54,D21,B23)		3288111462	**2396**	129 X 192 X 617	29.1	3456214204	**90.5**
ACH-120-60EQ (L54,D21,B23)		3288110264	**2737**	152 X 192 X 617	33.5	3456214205	**94.6**
ACH-120-70EQ (L54,D21,B23)		3288111463	**3077**	175 X 192 X 617	37.9	3456214206	**98.8**
ACH-120-80EQ (L54,D21,B23)		3288111436	**3418**	199 X 192 X 617	42.3	3456214207	**104**
ACH-120-90EQ (L55,D21,B23)		3288111437	**3751**	222 X 192 X 617	46.5	3456214208	**106**
ACH-120-100EQ (L55,D21,B23)		3288111438	**4099**	246 X 192 X 617	51.2	3456214209	**109**
ACH-120-120EQ (L55,D21,B23)		3288111439	**4780**	293 X 192 X 617	60	3456214211	**116**
High pressure units all soldering: Connections: S1/S2 D25 (42 mm) - D21 (2" 1/8), S3 L54 L55 L56 L63 (1" 1/8), S4 D21 (2" 1/8) Soldering							
ACH-120-60EQ (L54,D21,D25)	S	3288170017	**2523**	152 X 192 X 617	33.1	3456214205	**94.6**
ACH-120-80EQ (L54,D21,D25)	S	3288170018	**3103**	199 X 192 X 617	41.9	3456214207	**104**
ACH-120-100EQ (L55,D21,D21)	S	3288170019	**3929**	246 X 192 X 617	50.8	3456214209	**109**
ACH-120-120EQ (L55,D21,D21)	S	3288170020	**4550**	293 X 192 X 617	59.6	3456214211	**116**
ACH-120-140EQ (L56,D21,D21)	S	3288170021	**5172**	340 X 192 X 617	68.4	3456214213	**124**
ACH-120-160EQ (L63,D21,D21)		3288170022	**5795**	387 X 192 X 617	77.3		
ACH-120-190EQ (L63,D21,D21)		3288170023	**6728**	458 X 192 X 617	90.5		
Extras							
Protective insulation type P: Prefabricated insulation jacket with 19 mm closed cell expanded elastomer with 0.5 mm external PVC protection layer. Max. temperature: 100°C Min. temperature: -45°C							
Kit/Adaptor for sensor							
2" to 1/2" adaptor for water connect. B23	S	3456111401	**26.7**		0.3		
Kit/Blind plug							
2" plug to close water connection B23	*S*	*3456111301*	***23.4***		*0.3*		
Rigid feet							
AC-120 Rigid feet	S	3456108301	**58.4**				
Screw fittings							
DN50 2"; Pipe & Nut: CS	S	162623501	**33.6**		0.5	Welding type	
DN40 2"; Pipe & Nut: CS	S	162623510	**42.5**		0.5	Welding type	
DN25 1 1/4"; Pipe: Brass; Nut: CS	S	3456105401	**57.6**		0.4	Soldering type	
54 mm 2"; Pipe: Brass; Nut: CS. Gasket included	S	162623503	**55.6**		0.4	Soldering type	

S = Stock unit

AC-230EQ / ACH-230EQ Single circuit

The plate heat exchangers are quality secured according to DIN ISO9001 certificate. All including components are made in acid proof stainless steel material and brazed in vacuum furnace using copper filler material. The units are manufactured according to European Directive 97/23/EC, AFS 1999:4, and therefore pressure tested with air and leakage tested with helium.

		PED
Design temperature °C min/max (S3/S4, S1/S2)	AC-230EQ	-196/+150, -196/+150
Design pressure (bar) (S3/S4, S1/S2)	AC-230EQ	32, 32
Max nbr of plates available	AC-230EQ	250
Design temperature °C min/max (S3/S4, S1/S2)	ACH-230EQ	-196/+150, -196/+150
Design pressure (bar) (S3/S4, S1/S2)	ACH-230EQ	45, 45
Max nbr of plates available	ACH-230EQ	250

Heat exchanger								
Model		**Part no.**	**Price**	**Dim. (mm) L x W x H**	**Weight kg/unit**		**Part no.**	**Price**
AC-230EQ Single circuit								
Connections: **S3** *Soldering H21-L59 (1"1/8).* **S4** *Soldering D21 (2"1/8).* **S1/S2** *Internal thread C31 (FBSP 1/2").* **T1/T2** *Victaulic clamp P32 (2"), P31 (2"1/2).*								
AC-230EQ-40H (H21,D21,C31) (P32-T1-T2)B		32870 7550 0	**1697**	183 X 247 X 487	21,2			
AC-230EQ-50H (H21, D21,C31) (P32–T1–T2)		32870 7640 1	**1945**	207 X 247 X 487	25,2			
AC-230EQ-60H (H21,D21,C31) (P32-T1-T2)B		32870 7550 1	**2192**	227 X 247 X 487	29,0			
AC-230EQ-70H (H21,D21,C31) (P32-T1-T2)		32870 7951 7	**2439**	251 X 247 X 487	33,1			
AC-230EQ-80H (H21,D21,C31) (P32-T1-T2)B		32870 7550 2	**2686**	271 X 247 X 487	37,1			
AC-230EQ-90H (H21,D21,C31) (P32-T1-T2)		32870 7951 8	**2933**	295 X 247 X 287	41,1			
AC-230EQ-100H (H21,D21,C31) (P32-T1-T2)B		32870 7550 3	**3180**	315 X 247 X 487	45,0			
AC-230EQ-120H (L59,D21,C31) (P31-T1-T2)B		32870 7550 4	**3756**	359 X 247 X 487	53,5			
AC-230EQ-150H (L59,D21,C31) (P31-T1-T2)B		32870 7550 5	**4497**	425 X 247 X 487	65,4			
AC-230EQ-180H (L59,D21,C31) (P31-T1-T2)B		32870 7550 6	**5238**	491 X 247 X 487	77,4			
AC-230EQ-210H (L59,D21,C31) (P31-T1-T2)B		32870 7550 7	**5980**	557 X 247 X 487	89,3			
ACH-230EQ Single circuit all soldering								
Connections: **S3** *Soldering H21 (1"1/8).* **S4** *Soldering D21 (2"1/8).* **S1/S2** *Internal thread C31 (FBSP 1/2").* **T1/T2** *Soldering D38 (1"5/8), D39 (2"1/8).*								
ACH-230EQ-60H (H21,D21) (D38-T1-T2)B		32870 7550 9	**2229**	219 X 247 X 487	28.7			
ACH-230EQ-80H (H21,D21) (D38-T1-T2)B		32870 7551 0	**2742**	263 X 247 X 487	36.6			
ACH-230EQ-100H (H21,D21) (D39-T1-T2)B		32870 7551 1	**3268**	307 X 247 X 487	44.7			
ACH-230EQ-120H (H21,D21) (D39-T1-T2)B		32870 7551 2	**3781**	351 X 247 X 487	52.7			
ACH-230EQ-150H (H21,D21) (D39-T1-T2)B		32870 7551 3	**4552**	417 X 247 X 487	64.6			
ACH-230EQ-180H (H21,D21) (D39-T1-T2)B		32870 7551 4	**5323**	483 X 247 X 487	76.6			
ACH-230EQ-210H (H21,D21) (D39-T1-T2)B		32870 7551 5	**6094**	549 X 247 X 487	88.6			
Extras								
Kit water connections								
Included in kit: 2 flexible joint clamps, 2 counter pipes								
Kit for P32 connection (2")	S	3456109601	**101**		2.3			
Kit for P31 connection (2" 1/2)	S	3456109101	**108**		3.2			
Kit feet and lifting lugs								
Kit feet (2 feet, 4 nuts M8, 2 washers)	S	3456290001	**33.3**		1.1			
Kit lifting lugs (2 lifting lugs - 4 nuts M8)	S	3456141501	**26**		0.4			

S = Stock unit

AC-230DQ / ACH-230DQ Dual circuit

The plate heat exchangers are quality secured according to DIN ISO9001 certificate. All including components are made in acid proof stainless steel material and brazed in vacuum furnace using 100% copper filler material. The units are manufactured according to European Directive 97/23/EC, AFS 1999:4, and therefore pressure tested with air and leakage tested with helium.

		PED
Design temperature °C min/max (S3/S4, S1/S2)	AC-230DQ	-196/+150, -196/+150
Design pressure (bar) (S3/S4, S1/S2)	AC-230DQ	32, 32
Max nbr of plates available	AC-230DQ	250
Design temperature °C min/max (S3/S4, S1/S2)	ACH-230DQ	-196/+150, -196/+150
Design pressure (bar) (S3/S4, S1/S2)	ACH-230DQ	45, 45
Max nbr of plates available	ACH-230DQ	250

Heat exchanger								
Model		**Part no.**	**Price**	**Dim. (mm) L x W x H**	**Weight kg/unit**		**Part no.**	**Price**
AC-230DQ Dual circuit *Connections:* **S3** *Soldering H21 (1"1/8).* **S4** *Soldering H25 (1"5/8), D21 (2"1/8).* **S1/S2** *Internal thread C31 (FBSP 1/2").* **T1/T2** *Victaulic clamp P32 (2"), P31 (2"1/2).*								
AC-230DQ-62H (H21,H25,C31)(P32-T1-T2)B		3287071617	**2266**	147 X 247 X 487	30			
AC-230DQ-82H (H21,H25,C31)(P32-T1-T2)B		3287069856	**2767**	269 X 247 X 487	37.9			
AC-230DQ-102H (H21,H25,C31)(P32-T1-T2)B		3287069857	**3262**	313 X 247 X 487	45.9			
AC-230DQ-122H (H21,D21,C31)(P31-T1-T2)B		3287069859	**3838**	365 X 247 X 487	54.5			
AC-230DQ-142H (H21,D21,C31)(P31-T1-T2)B		3287069860	**4332**	409 X 247 X 487	62.4			
AC-230DQ-162H (H21,D21,C31)(P31-T1-T2)B		3287069861	**4826**	453 X 247 X 487	70.4			
AC-230DQ-182H (H21,D21,C31)(P31-T1-T2)B		3287069863	**5321**	497 X 247 X 487	78.4			
AC-230DQ-202H (H21,D21,C31)(P31-T1-T2)B		3287069864	**5815**	541 X 247 X 487	86.3			
AC-230DQ-222H (H21,D21,C31)(P31-T1-T2)B		3287069865	**6309**	585 X 247 X 487	94.3			
ACH-230DQ Dual circuit *High pressure units:* **S3** *Soldering L59 (1"1/8).* **S4** *Soldering H25 (1"5/8), D21 (2"1/8).* **S1/S2** *Internal thread C31 (FBSP 1/2").* **T1/T2** *Victaulic clamp P32 (2"), P31 (2"1/2).*								
ACH-230DQ-102H (L59,H21,H25,C31)(P32-T1-T2)B		3287069867	**3408**	235 X 247 X 487	45.9			
ACH-230DQ-142H (H21,D21,C31)(P31-T1-T2)B		3287069852	**4505**	323 X 247 X 487	62.4			
ACH-230DQ-182H (H21,D21,C31)(P31-T1-T2)B		3287069868	**5533**	411 X 247 X 487	78.4			
ACH-230DQ-222H (H21,D21,C31)(P31-T1-T2)B		3287069869	**6560**	499 X 247 X 487	94.3			
Extras								
Kit water connections								
Kit for P32 connection (2")	S	3456109601	**101**		2.3			
Kit for P31 connection (2" 1/2)	S	3456109101	**108**		3.2			
Kit feet and lifting lugs								
Kit feet (2 feet, 4 nuts M8, 2 washers)	S	3456290001	**33.3**		1.1			
Kit lifting lugs (2 lifting lugs - 4 nuts M8)	S	3456141501	**26**		0.4			

S = Stock unit

AC-500EQ/ ACH-500EQ Single circuit

The plate heat exchangers are quality secured according to DIN ISO9001 certificate. All including components are made in acid proof stainless steel material and brazed in vacuum furnace using copper filler material. The units are manufactured according to European Directive 97/23/EC, AFS 1999:4, and therefore pressure tested with air and leakage tested with helium.

		PED
Design temperature °C min/max (S3/S4, S1/S2)	AC-500EQ	-196/+150, -196/+150
Design pressure (bar) (S3/S4, S1/S2)	AC-500EQ	32, 32
Max nbr of plates available	AC-500EQ	270
Design temperature °C min/max (S3/S4, S1/S2)	ACH-500EQ	-196/+150, -196/+150
Design pressure (bar) (S3/S4, S1/S2)	ACH-500EQ	45, 45
Max nbr of plates available	ACH-500EQ	270

Heat exchanger								
Model		**Part no.**	**Price**	**Dim. (mm) L x W x H**	**Weight kg/unit**		**Part no.**	**Price**
AC-500EQ Single circuit								
Connections: **S3** *Soldering M66-M65-M64 (42.2 mm).* **S4** *Soldering L33 (2"5/8), L35 (3"1/8).* **S1/S2** *Internal thread C31 (FBSP 1/2").* **T1/T2** *Victaulic clamp P35 (3").*								
AC-500EQ-70H (M66, L33, C31)(P35-T1-T2)B		3287076461	**4942**	311 X 322 X 739	21.7			
AC-500EQ-80H (M66, L33, C31)(P35-T1-T2)B		3287076462	**5304**	340 X 322 X 739	22.9			
AC-500EQ-90H (M66, L33, C31)(P35-T1-T2)B		3287076463	**5667**	368 X 322 X 739	24.0			
AC-500EQ-100H (M66, L33, C31)(P35-T1-T2)B		3287076464	**6029**	396 X 322 X 739	25.2			
AC-500EQ-120H (M66, L35, C31)(P35-T1-T2)B		3287076465	**6754**	452 X 322 X 739	27.4			
AC-500EQ-150H (M66, L35, C31)(P35-T1-T2)B		3287076466	**7842**	537 X 322 X 739	30.8			
AC-500EQ-180H (M66, L35, C31)(P35-T1-T2)B		3287076467	**8928**	622 X 322 X 739	34.2			
AC-500EQ-210H (M65, L35, C31)(P35-T1-T2)B		3287076468	**10016**	706 X 322 X 739	37.7			
AC-500EQ-240H (M64, L35, C31)(P35-T1-T2)B		3287076469	**11113**	791 X 322 X 739	41.1			
ACH-500EQ Single circuit all soldering								
Connections **S3** *Soldering M66-M58 (42.2 mm).* **S4** *Soldering L33 (2"5/8), L35 (3"1/8).* **T1/T2** *Welding J31(2"1/2).*								
ACH-500EQ-70H (M66, L33)(J31-T1-T2)B		3287076470	**5107**	311 X 322 X 739	21.5			
ACH-500EQ-80H (M66, L33)(J31-T1-T2)B		3287076471	**5484**	340 X 322 X 739	22.7			
ACH-500EQ-90H (M66, L33)(J31-T1-T2)B		3287076472	**5861**	368 X 322 X 739	23.8			
ACH-500EQ-100H (M66, L33)(J31-T1-T2)B		3287076473	**6238**	396 X 322 X 739	25.0			
ACH-500EQ-120H (M66, L35)(J31-T1-T2)B		3287076474	**6992**	452 X 322 X 739	27.2			
ACH-500EQ-150H (M66, L35)(J31-T1-T2)B		3287076475	**8122**	537 X 322 X 739	30.6			
ACH-500EQ-166H (M66, L35)(J31-T1-T2)B		3287076534	**8726**	582 X 322 X 739	32.4			
ACH-500EQ-180H (M58, L35)(J31-T1-T2)B		3287076479	**9263**	622 X 322 X 739	34.0			
ACH-500EQ-210H (M58, L35)(J31-T1-T2)B		3287076480	**10395**	706 X 322 X 739	37.5			
Extras								
Kit water connections								
Included in kit: 2 flexible joint clamps, 2 counter pipes								
Kit for P35 connection 3"	S	3456106601	**109**		4.1			
Kit feet and lifting lugs								
Kit feet (2 feet, 8 nuts M10, 4 washers)	S	3456294101	**84.2**		2.3			

S = Stock unit

AC-500DQ / ACH-500DQ Dual circuit

The plate heat exchangers are quality secured according to DIN ISO9001 certificate. All including components are made in acid proof stainless steel material and brazed in vacuum furnace using copper filler material. The units are manufactured according to European Directive 97/23/EC, AFS 1999:4, and therefore pressure tested with air and leakage tested with helium. Auxiliaries: Couplings and fastening device.

		PED
Design temperature °C min/max (S3/S4, S1/S2)	AC-500DQ	-196/+150, -196/+150
Design pressure (bar) (S3/S4, S1/S2)	AC-500DQ	32, 32
Max nbr of plates available	AC-500DQ	270
Design temperature °C min/max (S3/S4, S1/S2)	ACH-500DQ	-196/+150, -196/+150
Design pressure (bar) (S3/S4, S1/S2)	ACH-500DQ	45, 45
Max nbr of plates available	ACH-500DQ	270

Heat exchanger								
Model		**Part no.**	**Price**	**Dim. (mm) L x W x H**	**Weight kg/unit**		**Part no.**	**Price**
AC-500DQ Dual circuit								
Connections: **S3** *Soldering D41(1"3/8).* **S4** *Soldering L33 (2"5/8), L35 (3"1/8).* **S1/S2** *Internal thread C31 (FBSP 1/2").* **T1/T2** *Victaulic clamp P35 (3").*								
AC-500DQ-102H (D41,L33,C31)(P35-T1-T2)B		3287069873	**6210**	381 X 322 X 739	98.5			
AC-500DQ-122H (D41,L33,C31)(P35-T1-T2)B		3287069874	**6935**	433 X 322 X 739	115.3			
AC-500DQ-142H (D41,L33,C31)(P35-T1-T2)B		3287069875	**7660**	485 X 322 X 739	132			
AC-500DQ-162H (D41,L33,C31)(P35-T1-T2)B		3287069876	**8384**	537 X 322 X 739	148.8			
AC-500DQ-182H (D41,L33,C31)(P35-T1-T2)B		3287069877	**9109**	590 X 322 X 739	165.6			
AC-500DQ-202H (D41,L33,C31)(P35-T1-T2)B		3287069878	**9833**	642 X 322 X 739	182.4			
AC-500DQ-222H (D41,L35,C31)(P35-T1-T2)B		3287069879	**10559**	694 X 322 X 739	199			
AC-500DQ-250H (D41,L35,C31)(P35-T1-T2)B		3287069880	**11574**	767 X 322 X 739	222.5			
ACH-500DQ Dual circuit								
High pressure units: **S3** *Soldering M57 (1"3/8).* **S4** *Soldering L33 (2"5/8), L35 (3"1/8).* **S1/S2** *Internal thread C31 (FBSP 1/2").* **T1/T2** *Victaulic clamp P35 (3").*								
ACH-500DQ-122H (M57,L33,C31)(P35-T1-T2)B		3287069881	**7235**	329 X 322 X 739	115.3			
ACH-500DQ-162H (M57,L33,C31)(P35-T1-T2)B		3287069882	**8743**	433 X 322 X 739	148.8			
ACH-500DQ-202H (M57,L33,C31)(P35-T1-T2)B		3287069883	**10251**	537 X 322 X 739	182.4			
ACH-500DQ-250H (M57,L35,C31)(P35-T1-T2)B		3287069884	**12061**	662 X 322 X 739	222.5			
Extras								
Kit water connections								
Included in kit: 2 flexible joint clamps, 2 counter pipes								
Kit for P35 connection 3"	S	3456106601	**109**		4.1			
Kit feet and lifting lugs								
Kit feet (2 feet, 8 nuts M10, 4 washers)	S	3456294101	**84.2**		2.3			
Kit lifting lugs (2 lifting lugs, 4 nuts M10, 2 washers)	S	3456137801	**32.2**		0.6			

O = not in stock

CB200

The plate heat exchangers are quality secured according to DIN ISO9001 certificate. All including components are made in acid proof stainless steel material and brazed in vacuum furnace using 100% copper filler material.
The units are manufactured according to European Directive 97/23/EC, AFS 1999:4, and therefore pressure tested and leakage tested with water. For refrigeration applications, the units are dried with hot air. Auxiliaries: Couplings. The units are delivered with flanges as standard design.

	PED
Design temperature °C min/max (S3/S4, S1/S2)	-196/+125
Design pressure (bar) (S3/S4, S1/S2)	27 , 27
Max nbr of plates available	230

Heat exchanger								
Model		**Part no.**	**Price**	**Dim. (mm) L x W x H**	**Weight kg/unit**		**Part no.**	**Price**
Connections:								
Water side (S1/S2):		*Flange connection (loose type) DN80 - PN25*			*denomination: LFS23*			
Refrigerant side (S3/S4):		*Welding connection (88.9 mm)*			*denomination: WS21*			
High theta units								
CB200-64H (WS21, LFS23)		3287072672	**4686**	258 X 324 X 742	73.1			
CB200-80H (WS21, LFS23)	S	3287073397	**5307**	301 X 324 X 742	82.7			
CB200-100H (WS21, LFS23)	S	3287072671	**6083**	355 X 324 X 742	94.7			
CB200-124H (WS21, LFS23)	S	3287073398	**7015**	420 X 324 X 742	109.1			
CB200-150H (WS21, LFS23)	S	3287073399	**8024**	490 X 324 X 742	124.7			
CB200-174H (WS21, LFS23)	S	3287073400	**8955**	555 X 324 X 742	139.1			
CB200-200H (WS21, LFS23)	S	3287073401	**9964**	625 X 324 X 742	154.7			

S = Stock unit

CB300

The plate heat exchangers are quality secured according to DIN ISO9001 certificate. All including components are made in acid proof stainless steel material and brazed in vacuum furnace using 100% copper filler material.
The units are manufactured according to European Directive 97/23/EC, AFS 1999:4, and therefore pressure tested and leakage tested with water. For refrigeration applications, the units are dried with hot air. Auxiliaries: Couplings. The units are delivered with flanges as standard design.

	PED
Design temperature °C min/max (S3/S4, S1/S2)	-160/+175
Design pressure (bar) (S3/S4, S1/S2)	27, 16
Max nbr of plates available	250

Heat exchanger							
Model		**Part no.**	**Price**	**Dim. (mm) L x W x H**	**Weight kg/unit**	**Part no.**	**Price**
Connections:							
Water side (S1/S2):		*Flange connection DN100 - PN16*			*denomination: FS12*		
Refrigerant side, inlet (S3):		*alt 1) Soldering connection (ODS 35.2 mm)*			*denomination: BS16*		
		alt 2) Soldering connection (ODS 42 mm)			*denomination: BS14*		
		alt 3) Soldering connection (ODS 64.2 mm)			*denomination: BS17*		
Refrigerant side, outlet (S4):		*alt 1) Soldering connection (ODS 64.2 mm)*			*denomination: BS17*		
		alt 2) Soldering connection (ODS 76.2 mm)			*denomination: BS19*		
High theta units with distributor							
CB300X-30H (BS16,BS17,FS12)		3287053582	**5460**	191 X 366 X 990	89		
CB300X-40H (BS16,BS17,FS12)		3287053583	**6128**	217 X 366 X 990	101.6		
CB300X-50H (BS16,BS17,FS12)		3287053584	**6805**	243 X 366 X 990	114.2		
CB300X-64H (BS16,BS17,FS12)		3287053585	**7747**	280 X 366 X 990	131.9		
CB300X-80H (BS16,BS17,FS12)		3287051120	**8820**	322 X 366 X 990	152		
CB300X-100H (BS16,BS17,FS12)		3287051121	**10164**	374 X 366 X 990	177.2		
CB300X-124H (BS14,BS19,FS12)	S	3287051122	**11778**	437 X 366 X 990	207.5		
CB300X-150H (BS14,BS19,FS12)	S	3287050877	**13527**	505 X 366 X 990	240.2		
CB300X-180H (BS14,BS19,FS12)	S	3287050876	**15545**	584 X 366 X 990	278		
CB300X-210H (BS14,BS19,FS12)		3287051061	**17560**	662 X 366 X 990	315.8		
CB300X-250H (BS14,BS19,FS12)		3287053586	**20249**	767 X 366 X 990	371.2		
High theta units without distributor							
CB300-110H (BS17,FS12)		3287051123	**9658**	400 X 366 X 990	194.8		
CB300-150H (BS17,FS12)		3287051062	**11964**	505 X 366 X 990	240.2		
CB300-180H (BS17,FS12)		3287051124	**13694**	584 X 366 X 990	278		
CB300-210H (BS17,FS12)		3287051125	**15424**	662 X 366 X 990	320.8		
CB300-250H (BS17,FS12)		3456037010	**17730**	767 X 366 X 990	370.3		

S = Stock unit

CB400

The plate heat exchangers are quality secured according to DIN ISO9001 certificate. All including components are made in acid proof stainless steel material and brazed in vacuum furnace using 100% copper filler material.
The units are manufactured according to European Directive 97/23/EC, AFS 1999:4, and therefore pressure tested and leakage tested with water. For refrigeration applications, the units are dried with hot air. Auxiliaries: Couplings. The units are delivered with flanges as standard design.

	PED
Design temperature °C min/max (S3/S4, S1/S2)	-196/+150
Design pressure (bar) (S3/S4, S1/S2)	32 , 27
Max nbr of plates available	270

Heat exchanger								
Model		**Part no.**	**Price**	**Dim. (mm) L x W x H**	**Weight kg/unit**		**Part no.**	**Price**
Connections:								
Water side (S1/S2):		*Vitaulic clamp (4")*			*denomination: CS11*			
Refrigerant side (S3/S4):		*Welding connection (114.3 mm)*			*denomination: WS14*			
High theta units								
CB400-30H (WS14, CS11)		3287075720	**5393**	142 X 390 X 990	86.1			
CB400-40H (WS14, CS11)		3287075721	**6010**	169 X 390 X 990	99.6			
CB400-50H (WS14, CS11)		3287075722	**6627**	195 X 390 X 990	113.1			
CB400-64H (WS14, CS11)		3287075723	**7490**	232 X 390 X 990	132			
CB400-80H (WS14, CS11)		3287075724	**8477**	275 X 390 X 990	153.6			
CB400-100H (WS14, CS11)		3287075725	**9710**	328 X 390 X 990	180.6			
CB400-124H (WS14, CS11)		3287075726	**11190**	391 X 390 X 990	213			
CB400-150H (WS14, CS11)		3287075727	**12794**	460 X 390 X 990	248.1			
CB400-180H (WS14, CS11)		3287075728	**14644**	540 X 390 X 990	288.6			
CB400-210H (WS14, CS11)		3287075729	**16494**	619 X 390 X 990	334.1			
CB400-250H (WS14, CS11)		3287075730	**18961**	725 X 390 X 990	388.1			

S = Stock unit

AC

The plate heat exchangers are quality secured according to DIN ISO9001 certificate. All including components are made in acid proof stainless steel material and brazed in vacuum furnace using 100% copper filler material.
The units are manufactured according to European Directive 97/23/EC, AFS 1999:4, and therefore pressure tested with air and leakage tested with helium. Auxiliaries: Couplings and fastening device.

All units can be used as Condensers and Evaporators.

The capacity (RT) refers to the evaporation temperature 2 °C, chill water temperature from 12 to 7 °C.

Heat exchanger						
Model		**Part no.**	**Price**	**Dim. (mm) L x W x H**	**Weight kg/unit**	**Capacity (RT)**
Distributor models – AC-30						
Connections: **S3** *SolderingH27 (3/8"), H62 (1/2"), H65 (5/8").* **S4** *Soldering H23 (7/8").* **S1/S2** *Conical external threadE26 (BSP 1")*						
AC-30-10EQ (H27, H23, E26)	S	3288101427	**282**	24 X 94 X 325	2.0	1
AC-30-20EQ (H27, H23, E26)	S	3288101428	**355**	39 X 94 X 325	2.9	2
AC-30-30EQ (H62, H23, E26)	S	3288101429	**430**	54 X 94 X 325	3.7	3
AC-30-40EQ (H62, H23, E26)	S	3288101430	**505**	69 X 94 X 325	4.6	4
AC-30-50EQ (H65, H23, E26)	S	3288101431	**582**	84 X 94 X 325	5.5	5
AC-30-60EQ (H65, H23, E26)	S	3288101432	**655**	99 X 94 X 325	6.3	6
Distributor models – AC-70						
Connections: **S3** *SolderingH39 G65 G67 G68 (16.1 mm), H30 (22.3 mm).* **S4** *Soldering H21 (1"1/8), H34 (1"3/8).* **S1/S2** *Conical external threadE26 (BSP 1"), E32 (BSP 1"1/4)*						
AC-70X-22M (H39,H21,E26)	S	3287066695	**510**	85 X 111 X 526	4.9	5
AC-70X-26M (H39,H21,E26)	S	3287066696	**565**	94 X 111 X 526	5.6	6
AC-70X-34M (G65,H21,E26)	S	3287066697	**676**	112 X 111 X 526	6.9	8
AC-70X-42M (G67,H21,E26)	S	3287066698	**787**	131 X 111 X 526	8.2	10
AC-70X-54M (G67,H21,E26)	S	3287066699	**953**	158 X 111 X 526	10.3	13
AC-70X-66M (G68,H34,E32)	S	3287066700	**1127**	186 X 111 X 526	12.4	15
AC-70X-100M (H30,H34,E32)	S	3287066701	**1598**	264 X 111 X 526	18,1	20
Distributor models – AC-120						
*Connections:***S3** *Soldering L55 L56 (1"1/8).* **S4** *Soldering D21 (2"1/8).* **S1/S2** *Conical external thread E27 (BSP 2")*						
AC-120-70EQ (L55, D21, E27)	S	3288101397	**2691**	175 X 192 X 617	37.8	25
AC-120-86EQ (L55, D21, E27)	S	3288101398	**3163**	213 X 192 X 617	44.9	30
AC-120-120EQ (L55, D21, E27)	S	3288101399	**4110**	293 X 192 X 617	59.9	40
AC-120-170EQ (L56, D21, E27)	S	3288101400	**5291**	411 x 192 x 617	81.9	50

APR countries only!
S = Stock unit

AlfaNova heat exchangers

AlfaNova 14

The plate heat exchanges are secured according to DIN ISO9001 certificate. All including components are made in acid proof stainless steel material 1.4401, and fusion bonded with AlfaFusion™ technology using stainless steel material. The units are manufactured according to European Directive 97/23/EC and therefore pressure tested with air and leakage tested with helium. Auxiliaries: Couplings and fastening device. See table below.

	PED
Design temperature °C min/max (S3/S4, S1/S2)	-196/+175
Design pressure (bar) (S3/S4, S1/S2)	21/21
Max nbr of plates available	50

Heat exchanger

Model		Part no.	Price	Dim. (mm) L x W x H	Weight kg/unit
Connections: **S1/S2** *ISO G 3/4" External thread* **S3/S4** *3/4" Soldering connections*					
AlfaNova 14–20H (G21, A21)		3287052314	**620**	79 X 77 X 207	1.8
AlfaNova 14–28H (G21, A21)		3287052315	**724**	98 X 77 X 207	2.4

Extras

Protective insulation type P: Prefabricated insulation jacket with 19 mm closed cell expanded elastomer with 0.5 mm external PVC protection layer.
Max. temperature: 100°C Min. temperature: -45°C

AlfaNova 27 – HP 27

The plate heat exchanges are secured according to DIN ISO9001 certificate. All including components are made in acid proof stainless steel material 1.4401, and fusion bonded with AlfaFusion™ technology using stainless steel material. The units are manufactured according to European Directive 97/23/EC and therefore pressure tested with air and leakage tested with helium. Auxiliaries: Insulations, couplings and fastening device. See table below.

	27	HP 27
Design temperature °C min/max (S3/S4, S1/S2)	-196/+175	-196/+175
Design pressure (bar) (S3/S4, S1/S2)	27, 22	36, 36
Max nbr of plates available	100	100

Heat exchanger						**Insulation type P**	
Model		**Part no.**	**Price**	**Dim. (mm) L x W x H**	**Weight kg/unit**	**Part no.**	**Price**
Connections: **S1/S2** *BSP 1" External thread* **S3/S4** *1"1/8 Soldering connections*							
AlfaNova 27–20H (H21, B21)	S	3287000926	**898**	83 X 111 X 310	3.9	3456213903	**51**
AlfaNova 27–24H (H21 ,B21)		3287000927	**994**	93 X 111 X 310	4.4	3456213903	**51**
AlfaNova 27–30H (H21, B21)	S	3287000928	**1137**	108 X 111 X 310	5.2	3456213904	**52**
AlfaNova 27–34H (H21, B21)		3287000929	**1233**	117 X 111 X 310	5.7		
AlfaNova 27–40H (H21, B21)	S	3287000930	**1371**	132 X 111 X 310	6.5	3456213905	**54.1**
AlfaNova 27–50H (H21, B21)	S	3287000931	**1609**	156 X 111 X 310	7.8	3456213906	**56.2**
AlfaNova HP 27–20H (H21, B21)	S	3287000932	**1236**	83 X 111 X 310	4.2	3456213903	**51**
AlfaNova HP 27–24H (H21, B21)		3287000933	**1331**	93 X 111 X 310	4.8	3456213903	**51**
AlfaNova HP 27–30H (H21, B21)	S	3287000934	**1474**	108 X 111 X 310	5.5	3456213904	**52**
AlfaNova HP 27–34H (H21, B21)		3287000935	**1571**	117 X 111 X 310	6.1		
AlfaNova HP 27–40H (H21, B21)	S	3287000936	**1709**	132 X 111 X 310	6.8	3456213905	**54.1**
AlfaNova HP 27–50H (H21, B21)	S	3287000937	**1947**	156 X 111 X 310	8.1	3456213906	**56.2**

Extras

Protective insulation type P: Prefabricated insulation jacket with 19 mm closed cell expanded elastomer with 0.5 mm external PVC protection layer.

Max. temperature: 100°C Min. temperature: -45°C

S = Stock unit

AlfaNova 52 – HP 52

The plate heat exchanges are secured according to DIN ISO9001 certificate. All including components are made in acid proof stainless steel material 1.4401, and fusion bonded with AlfaFusion™ technology using stainless steel material. The units are manufactured according to European Directive 97/23/EC and therefore pressure tested with air and leakage tested with helium. Auxiliaries: Insulations, couplings and fastening device. See table below.

	52	HP 52
Design temperature °C min/max (S3/S4, S1/S2)	-196/+175	-196/+175
Design pressure (bar) (S3/S4, S1/S2)	27, 22	36, 36
Max nbr of plates available	150	150

Heat exchanger						**Insulation type P**	
Model		**Part no.**	**Price**	**Dim. (mm) L x W x H**	**Weight kg/unit**	**Part no.**	**Price**
Connections: **S1/S2** *BSP 1" External thread* **S3/S4** *1"1/8 Soldering connections*							
AlfaNova 52–20H(H21,B21)	S	3287000938	**1325**	85 X 111 X 526	6.5	3456214102	**62.4**
AlfaNova 52–24H(H21,B21)		3287000939	**1461**	95 X 111 X 526	7.4		
AlfaNova 52–30H(H21,B21)	S	3287000940	**1673**	109 X 111 X 526	8.7	3456214103	**64.5**
AlfaNova 52–34H(H21,B21)		3287000941	**1815**	119 X 111 X 526	9.5		
AlfaNova 52–40H(H21,B21)	S	3287000942	**2028**	134 X 111 X 526	10.8	3456214104	**67.6**
AlfaNova 52–50H(H21,B21)	S	3287000943	**2382**	159 X 111 X 526	13	3456214105	**69.7**
AlfaNova HP 52–20H(H21,B21)	S	3287000944	**1774**	85 X 111 X 526	6.8	3456214102	**62.4**
AlfaNova HP 52–24H(H21,B21)		3287000945	**1911**	95 X 111 X 526	7.7		
AlfaNova HP 52–30H(H21,B21)	S	3287000946	**2123**	109 X 111 X 526	9	3456214103	**64.5**
AlfaNova HP 52–34H(H21,B21)		3287000947	**2265**	119 X 111 X 526	9.9		
AlfaNova HP 52–40H(H21,B21)	S	3287000948	**2478**	134 X 111 X 526	11.2		
AlfaNova HP 52–50H(H21,B21)	S	3287000949	**2832**	159 X 111 X 526	13.3		

Extras

Protective insulation type P: Prefabricated insulation jacket with 19 mm closed cell expanded elastomer with 0.5 mm external PVC protection layer.
Max. temperature: 100°C Min. temperature: -45°C

S = Stock unit

AlfaNova 76 – HP 76

The plate heat exchanges are secured according to DIN ISO9001 certificate. All including components are made in acid proof stainless steel material.4401, and fusion bonded with AlfaFusion™ technology using stainless steel material. The units are manufactured according to European Directive 97/23/EC and therefore pressure tested with air and leakage tested with helium. Auxiliaries: Couplings and fastening device. See table below.

	76	HP 76
Design temperature °C min/max (S3/S4, S1/S2)	-196/+175	-196/+175
Design pressure (bar) (S3/S4, S1/S2)	27, 22	36, 36
Max nbr of plates available	150	150

Heat exchanger					
Model		**Part no.**	**Price**	**Dim. (mm) L x W x H**	**Weight kg/unit**
Connection J23 (2 welding), Stud bolts for feet included					
AlfaNova 76–30H (J23,J23)	S	3287000849	**3128**	134 X 191 X 618	23.5
AlfaNova 76–40H (J23,J23)		3287000850	**3724**	163 X 191 X 618	28.6
AlfaNova 76–50H (J23,J23)	S	3287000851	**4290**	191 X 191 X 618	33.5
AlfaNova 76–64H (J23,J23)	S	3287050285	**5153**	232 X 191 X 618	40.3
AlfaNova 76–80H (J23,J23)	S	3287000853	**6106**	278 X 191 X 618	48
AlfaNova 76–90H (J23,J23)		3287000854	**6702**	306 X 191 X 618	52.9
AlfaNova 76–100H (J23,J23)	S	3287000855	**7298**	335 X 191 X 618	57.7
AlfaNova HP 76–30H (J23,J23)	S	3287000775	**4038**	134 X 191 X 618	25.7
AlfaNova HP 76–40H (J23,J23)		3287000776	**4641**	163 X 191 X 618	30.8
AlfaNova HP 76–50H (J23,J23)	S	3287000777	**5184**	191 X 191 X 618	35.7
AlfaNova HP 76–64H (J23,J23)	S	3287000778	**6016**	232 X 191 X 618	42.5
AlfaNova HP 76–80H (J23,J23)	S	3287000779	**6903**	278 X 191 X 618	50.2
AlfaNova HP 76–90H (J23,J23)		3287000780	**7506**	306 X 191 X 618	55.1
AlfaNova HP 76–100H (J23,J23)	S	3287000774	**8049**	335 X 191 X 618	59.9
Kit/Adaptor for sensor					
2" to 1/2" adaptor for water connect. B23		3456111401	**26.7**		0.3
Kit/Blind plug					
Rigid feet		3456108301	**58.4**		3.8

S = Stock unit

Gasketed heat exchangers

Semi-welded plate heat exchangers for Refrigeration

Flooded and DX Evaporators for general cooling and refrigeration. Condensers including foulant and corrosive cooling waters. Desuperheaters including Heat Recovery. Oil coolers with water. Common refrigerants are Ammonia, HFC and HC. Among media to cool or heat are solutions of Glycol, inorganic salts, organic non aromatic fluids, Ammonia - water, corrosive and hygienic fluids.

Model	M6-MW	M10-BW	MK15-BW	M20-MW/T20-BW	MA30-W
Capacity range, RT	10-70	50-250	100-450	300-1100	700-3000
Capacity range, kW	35-250	175-875	350-1575	2100-8750	2450-10500
Pressure range, bar (g), vacuum to...	25	40	40	25*	25
Temperature range, °C	-45 to +120				
Connection size, mm	50	100	150	200	300
Height, mm	940	981	1486	2260/2140	3061
Width, mm	330	470	650	780	1170
Length, mm	545-1595	575-2175	1110-3810	1125-3825	1620-4520
Weight, kg	175-425	375-1100	1400-2700	2350-5050	6350-11950

* higher than 25 bar on request

Construction

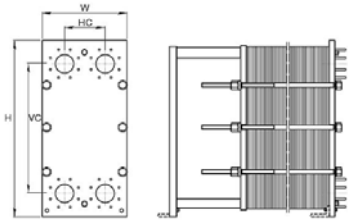
Refrigerant 2-phase enclosed within laser welded plate pairs to form a channel. Liquid enclosed within gasketed channels. Double gaskets and welds with vents to prevent internal contamination. Materials as standard are stainless AISI 316, AISI 304, 20/18/6 and Titanium.

Features

Thermal efficiency giving small dimensions and low weight. Small fouling and efficient chemical cleaning. Flexible construction giving resistance to pressure/temperature cycling and freezing. Serviceable by easy opening. Extendable and adaptable by adding plates and changing plates. External leak detection with no internal contamination.

Pressure Vessel Codes

Standard codes are PED, ASME and others on request.



Gasketed Plate Heat Exchangers

The plate heat exchanger consists of a pack of corrugated metal plates with portholes for the passage of the two fluids between which heat transfer will take place. The plate pack is assembled between a fix frame plate and a movable pressure plate and compressed by tightening bolts. The plates are fitted with a gasket which seals the interplate channel and directs the fluids into alternate channels. The number of plates is determined by the flow rate, physical properties of the fluids, pressure drop and temperature program.

Data and dimensions 1)

Model	M3	M6	M10	TL10	M15	T20	MX25	M30
Height, mm	480	920	1084	1920	1885	2100	2895	2882
Width, mm	180	320	470	480	610	780	920	1150
Vertical conn. dist., VC (mm)	357	640	719	1338	1294	1478	1939	1842
Horiz .conn. dist., HC, (mm)	60	140	225	225	298	353	439	596
Connection diameter (mm)	32	60	100	100	140	210	250	331
Max. flow rate, (kg/s)	3.9	15	50	50	80	180	250	450
Max. temperature, (°C)	140	160	160	160	160	160	160	140
Max. pressure (bar)	16	25	25	25	30	30	25	25
Flow principle	Parallel	Parallel	Parallel	Parallel	Parallel	Parallel	Parallel	Parallel

1) Height and width based on 10 bar (g) frames. Height may differ when the number of plates/unit is large. Max flow rate should be seen as an indication only, as it depends on media, permitted pressure drop and temperature program.

Plate and gasket materials

Plates can be obtained in all pressable materials. The most common materials are: stainless steel AISI 304, AISI 316, and titanium. Gaskets are available in a wide range of elastomers. The most common are: nitrile and EPDM.

Max pressure and temperature

All models are available with different frame designs and different plate thickness depending on the required design pressure. The maximum temperature is depending on the gasket material used, and the working pressure.

Approvals

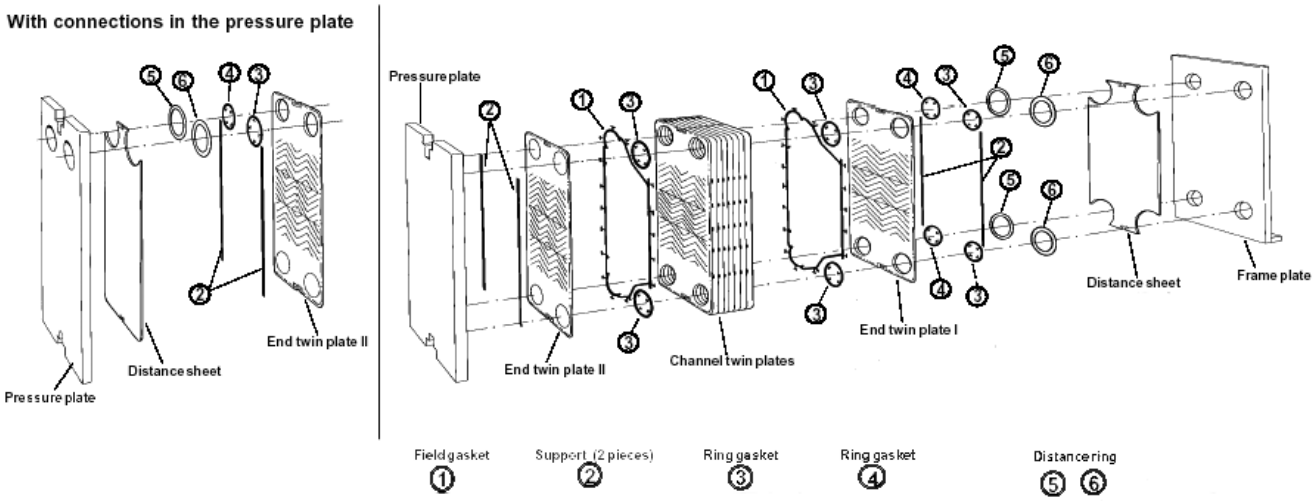
CE mark according to PED.

Accessories

Product accessories like insulation (heating and cooling) and drip trays are available.

Selection and pricing

Please contact your local Alfa Laval representative for design assistance and pricing. You can find contact details for Alfa Laval companies around the world on our Internet site www.alfalaval.com.



Nonstop Performance

Nonstop performance of the plate heat exchanger (PHE) depends on how clean the plates are, and on the PHE:s gasket conditions.

Cleaning

Cleanness, or lack of fouling and scaling is dependent on the medias passing through and how well and frequently the unit is cleaned. A Cleaning-In-Place (CIP) unit can be used when cleaning the unit. Depending of what one expects to find as restraint in the unit one uses different kind of CIP chemicals in order to remove oil and other deposits.

When the PHE shows signs of over-heating and/or poor efficiency it is time for CIP. In order to prevent reaching this point one should clean the unit on regular basis in a Preventive Maintenance program.

Spare parts

Depending of duty and environment the gaskets reach a point where they do not function well. The gasket material has reached the end of its operational life time. This is caused by the working environment, as pressure, temperature, time, processing medias, amount of starts and stops. If the heat exchanger is serviced and monitored regularly in a Preventive Maintenance program the unit does not have to start leak or function poor. Exchange of gaskets shall be performed at regular base, before malfunction as leakage or loss of efficiency occurs.

In order to minimize the risk of emergency shutdowns and loss of production capacity the maintenance stops as CIP and re-gasketing should be well planned ahead. If the PHE process is critical for the installation it could be advisable to have an exchange plate pack in stand-by, is called a strategic plate pack.

Cleaning In Place

Cleanliness, or lack of fouling and scaling is dependent on the media passing through and how well and frequently the unit is cleaned. A Cleaning-In-Place (CIP) unit can be used when cleaning the unit. Depending on what one expects to find as restraint in the unit one uses different kind of CIP chemicals in order to remove oil and other deposits.

Please note that it is important to follow the procedures and instructions that Alfa Laval has issued when cleaning the heat exchanger; the brazed-, welded-, semi-welded- as well as the gasketed heat exchanger.

CIP modules

Model	Part no.	Weight	Price
CIP 20 230V/50 Hz	3284000501	8	**974**
CIP 40 230V/50 Hz	3284000001	15	**2909**
CIP 40 110V/60 Hz	3284043601	15	**2909**
CIP 200L 380-415V/50 Hz	969951-00	145	**20818**
CIP 200L 440-480V/60 Hz	969951-01	145	**20818**
CIP 200LT Steam	969951-06	145	**24784**
CIP 200L 380-415V/50 Hz	969951-10	145	**22075**
CIP 200L 440-480V/60 Hz	969951-11	145	**22075**
CIP 400L 380-415V/60 Hz	969952-00	235	**27502**
CIP 400L 440-480V/60 Hz	969952-01	235	**27502**
CIP 800L 380-415V/50 Hz	969953-00	500	**29496**
CIP 800L 440-480V/60 Hz	969953-01	500	**29496**
CIP 800L 380-415V/50 Hz	969953-10	500	**34905**
CIP 800L 440-480V/60 Hz	969953-11	500	**34905**
CIP 1800L 380-415V/50 Hz	969954-00	644	**43955**
CIP 1800L 440-480V/60 Hz	969954-01	644	**43955**
CIP 1800L 380-415V/50 Hz	969954-10	644	**46710**
CIP 1800L 440-480V/60 Hz	969954-11	644	**46710**
CIP 2800L 380-415V/50 Hz	969955-00	788	**55755**
CIP 2800L 440-480V/60 Hz	969955-01	788	**55755**

Cleaning chemicals

Model	Part no.	Weight / Volume	Price
Alfa Add (5 litres plastic containers)	3284001902	25 l	**91**
Alfa Caus (25 litres plastic containers)	3180126126	20 l	**137**
Alfa Neutra (25 litres plastic containers)	3180126124	20 l	**95**
Alfa Phos (25 litres plastic containers)	3180126125	20 l	**225**
Alfa P-Neutra (powder, 5x0.3 kg bags/pcs, min. qty 42 pcs)	3284000601	5x0.3 kg	**35**
Alfa P-Scale (powder, 5x1 kg bags/pcs, min. qty 17 pcs)	3284000602	5x1 kg	**83**
Alpacon Descalant (To be ordered from DC TUMBA)	179640413	25 l	**186**
Alpacon Degreaser (To be ordered from DC TUMBA)	179640514	25 l	**174**

Technical specification standard CIP units

	CIP20	CIP 40	CIP 200 / 400	CIP 800 / 1800 / 2800
Tank volume in liters	20	40	200 / 400	800 / 1800 / 2800
Pump	Rotor	Rotor	Centrifugal	Centrifugal
Flow rate at 3 mwc	1.1 m³/h	2.1 m³/h	10 m³/h	40 m³/h
Electrical heater	n/a	n/a	6 kW alt 12 kW	12 kW
Connection	R 3/4”	R 3/4”	DIN 11851, DN 65	DIN 11851, DN 65
Length of hose	Approx. 2 m	Approx. 2 m	4 m	4 m
Voltage	230V/50 Hz	230V/50 Hz 110V/60 Hz	380-415V/50 Hz 440-480V/60 Hz	380-415V/50 Hz 440-480V/60 Hz
Max. operating temp.	60°C	60°C	70°C	70°C
Material	Polymer	Polymer	SS	SS
Weight empty	8 kg	15 kg	145 / 235 kg	500 / 644 / 788 kg
Size (W X L X H) mm	250 x 500 x 350	320 x 730 x 530	1550 x 475 x 1025	1735 x 2160 x 1260

Auxiliary equipment / Tightening devices

No more excuses of not being able to open and service the gasketed PHE exist. There is a universal pneumatic tightening device that eases the opening and closure of the heat exchanger. This one is available in both single and double models. When compressed air is not available an electric tightening device is available. If neither air nor electricity is available a Ratchet spanner is the only tool to use in order to open and close the PHE. Please specify width of the jaws and the measurements over the flats across the bolts.

Model	Description	Part no.	Weight / Volume	Price
Pneumatic tightening devices				
PHETD80: single*	As below	3284042101	20 kg	**13055**
PHETD80: double**	As below	3284043301	40 kg	**24468**
Electric tightening devices				
PHE-ETD80	As below	3284043501	23 kg	**11561**
Socket key				
Socket key 80/55		3284000406		**958**
Socket key 80/65		3284000405		**1079**
Socket key 46/36	M24	3284000404		**705**
Socket key 80/46	M30	3284000403		**829**
Socket key 80/60	M39. NV6	3284000402		**1039**
Socket key 80/75	M48, NV75, M15	3284000401		**1275**
Other				
Pneumatic wrench unit LMP51 0001-25		3284042201		**8924**
Adapter		3284042301		**1626**
Bracket for air handling unit		3284042401		**234**
Y-piece connector		3284042501		**26**
Nipple Ergoquick 10	M15 R1½"	3284042601		**18**
Coupling Ergoquick 10	M15 R1½"	3284042701		**124**
Set of air hoses	5 m incl. connectors	3284042801		**151**
Air handling unit w. regulator/filter/lubricator		3284042901		**588**
Lubrication oil		3284043001	1 litre	**56**
Hard box	1140 x 740 x 400 mm	3284043101		**195**
Gearbox SG80A		3450149401		**2313**
Safety cover x 2		3284043201		**287**

* Incl.	** Incl.
3284042401	3284042401
3284042501	3284042501
3284042601	3284042601
3284042701	3284042701
3284042901	3284042901
	3284042801

Technical specification tightening devices

	PHETD80	PHE-ETD80
Nut width	80 mm	80 mm
Torque max.	3 270 Nm	3 200 Nm
Speed max.	3.75/9 rpm	6 rpm
Weight per piece	17 kg	23 kg
Max. sound level	79 dB (A)	86 dB (A)
Max. air pressure	6.3 bar	
Min. air pressure	3.0 bar	
Air consumption at NTP	19 l/s	
Size	540 x 250 mm	620 x 320 mm
Voltage		100-250 V / 45-66 Hz
Current max.		10 A

Auxiliary equipment / Tightening devices

Other equipment that will benefit your heat exchanger and help you to service, protect and maintain it are: Ratchet spanners to manually open and close the unit. Filters help you to get a trouble-free operation, increases the operating lifetime for the heat exchanger. There are: An automatic self-cleaning pressure filter, mounted directly on the piping system and removes large particles from the liquid. Or a port filter protecting from intermittent fouling or foreign objects from entering during system start-up.
NEWS: The Alfa Laval Nut runner & Thread Cleaner is a compressed air powered service tool designed to transport nuts on long threads and to efficiently clean bolt threads from rust and dirt.

Model	Description	Part no.	Weight / Volume	Price
Ratchet spanner				
Socket	Width 24 mm	3222031006	0.6 kg	**222**
Socket	Width 31 mm	32220310201	0.6 kg	**222**
Socket	Width 36 mm	3222031016	1.4 kg	**307**
Socket	Width 46 mm	3222031015	3.0 kg	**259**
Socket	Width 50 mm	3222031003	2.5 kg	**649**
Socket	Width 60 mm	3222031017	3.5 kg	**728**
Socket	Width 70 mm	3222031005	7.4 kg	**1042**
Socket	Width 75 mm	3222031018	7.8 kg	**910**
Socket	Width 80 mm	3222031951	8.0 kg	**291**
Auxiliaries, touch-up and protection				
PHEN80 Thread cleaner of tightening bolts				
Complete kit NUT RUNNER, thread cleaner		3284046801		**2694**
Nut runner	Incl. drive unit	3284046802		**1823**
Spare kit A	Washers, o-rings	3284046808		**119**
Spare kit B	Cutting edges	3284046809		**1070**
Socket key	AI 80-46	3284046812		**102**
Socket key	AI 80-65	3284046814		**102**
Bolt protection sleeves	M24, 50 m	1995101086		**15**
Bolt protection sleeves	M30, 50 m	1995101082		**15**
Bolt protection sleeves	M39, 50 m	1995101079		**14**
Bolt protection sleeves	M48, 50 m	1995101081		**15**
Glue GC11	2 comp epoxy	3222031843	1 l	**200**
Glue GC8	Field service 1 comp	3222031793	0.82 l	**54**
Glue GC1	Adhesive transfer tape	3233084071		**25**
GC1 gun	Adhesive gun GC1	Adhesive gun		**692**
Thermometers				
Temperature range	10 to 100°C	3224903611		on request
Temperature range	0 to 150°C	3224903613		on request

Training tools	Part no.	Price
Alfa Laval service program PHE reconditioning film (in English on CD for PC & Mac)	PS00005ENCD	**10**
Do it yourself PHE reconditioning instruction film (in English on CD for PC & Mac)	PS00004ENCD	**10**
Cleaning-in-Place for heat exchangers - instruction film (in English on CD for PC & Mac)		**10**
Heat exchanger service guide (booklet)	VW67222E	**20**

Model	Minimum flow m³/h	Maximum flow m³/h	Flushing flow m³/h	Comment
Filters, automatic self cleaning				
ALF 10	45	140	25	Please contact your local Alfa Laval personal for quotations.
ALF 20	180	570	95	
ALF 30	400	1300	210	
ALF 40	700	2210	380	
ALF 50	1100	3450	600	
ALF 60	1600	5000	600	

Model	Material	Mesh size	Plate thickness	Design pressure	Comment
Refrigerant distributor					
Available for all plate heat exchangers of M type with porthole size 100 mm and larger	AISI 316	1.5 mm & 2.33 mm	1.5 mm	10 barg	Please contact your local Alfa Laval personal for quotations.
Port filters					
Available for all plate heat exchangers of M type with porthole size 100 mm and larger	AISI 316	1.5 mm & 2.33 mm	1.5 mm	10 barg	Please contact your local Alfa Laval personal for quotations.

Shell & Tubes and Liquid Receivers

DESIGNATIONS

- O.R. = On Request
- N.A. = Not Available

PRESSURE VESSEL APPROVALS

Models marked with “Alfa Laval Standard” are manufactured with self inspection, i.e. not following any pressure vessel standard.
To identify the requested pressure vessel approval, please add the following abbreviation after the denomination of the model (for instance DXD 200 CE):
CE – European Unit (conformity to EU directive PED 97/23/CE)
SQL – People’s Republic of China (Import Boiler and Pressure Vessel Safety quality License)
GOST – Russia (Conformity to Goststandard of Russia)
ASME** – USA (Conformity to ASME VIII div. 1 (2007 edition)
DNV – Conformity to Det Norske Veritas’ rules for Classification of Ships
GL – Conformity to Germanischer Lloyd’s Rules for Classification and Construction
LRS – Lloyd’s Register of Shipping
RINA – Conformity to Registro Italiano Navale’s Rules (Boilers and Pressure Vessels)
RMRS – Conformity to the Rules of Russian Maritime Register of Shipping
The availability of the pressure vessel approval for a specific model needs to be checked in the price list, while the design conditions for different pressure vessel codes need to be checked in the product catalogues.
In case of units required with conformity to a marine classification society rule (DNV, GL, LRS, RINA, RMRS), a final test witnessed by an inspector of the classification society is mandatory. A net price contribution, depending on the approval (please check the price list), has to be added. In case units required with conformity to a marine classification society rule (DNV, GL, LRS, RINA, RMRS), not present in the price list yet (i.e. evaporators with BV,... approval),please contact the BCT Alfa Laval Alonte to have the correct price of a dedicate unit design.
**Evaporators and condensers are supplied with ASME approval and UM stamp. Big size evaporators and condensers are supplied with ASME approval and U stamp requiring the final test of the product witnessed by an ASME inspector. In case of order including U stamp units, a cost contribution of 300 EUR will be required. Please contact Alfa Laval Alonte to receive the list of units included in the UM and in the U stamp lists.

DOCUMENTATION

- The prices of the approved models include the documentation required by the selected approval.
In case of CE approval, the products will be supplied with CE declaration of conformity, instruction manual and CE data label.

- The prices of the models exempt of approval or self inspected (Alfa Laval standard) do not include any test report. The test report could however be included (please consider an additional cost of 50 EUR).

PACKAGING

Standard prices include fumigated packaging (pallet for deliveries within Italy, wooden crate for shipments outside Italy). Special packaging solutions to be agreed with Alfa Laval Alonte manufacturing.

PAINTING

Products are supplied with a black (RAL 7011) 30 micron primer painting.

Dryplus-3 shell and tube dry-expansion evaporators

A series of heat exchangers optimized in order to ensure high evaporation performances in combination with R407C, R22, R404A, R507 and the other most used HCFC and HFC refrigerants. Nominal cooling capacities ranging from 18 to 1500 kW. Models from DX_18 to DX_1000 are suitable as a standard for heat pump (condensation) operation.

Model	Alfa Laval std.	CE/ GOST - SQL	ASME	Welded supports	Insulation	Flanges	4 pass ref.**
DXS18	**1390**	**1449**	**1565**	**72**	**369**	**155**	N.A.
DXS28	**1427**	**1486**	**1606**	**72**	**374**	**155**	N.A.
DXS35	**1504**	**1566**	**1692**	**72**	**379**	**169**	A
DXS47	**1571**	**1637**	**1768**	**72**	**395**	**169**	A
DXS56	**1920**	**2000**	**2160**	**73**	**469**	**179**	A
DXS65	**1982**	**2064**	**2228**	**73**	**474**	**179**	A
DXS80	**2095**	**2182**	**2357**	**73**	**485**	**179**	A
DXS95	**2133**	**2225**	**2399**	**73**	**486**	**179**	A
DXS120	**2436**	**2537**	**2739**	**82**	**537**	**229**	A
DXS135	**2858**	**2979**	**3218**	**82**	**562**	**229**	A
DXS165	**2944**	**3066**	**3311**	**82**	**569**	**229**	A
DXS200	**3517**	**3697**	**3957**	**104**	**569**	**369**	A
DXS240	**4110**	**4110**	**4398**	**104**	**706**	**369**	A
DXS300	**5109**	**5109**	**5517**	**172**	**843**	**416**	A
DXS345	**5288**	**5288**	**5711**	**172**	**843**	**416**	A
DXS385	**5820**	**5820**	**6288**	**172**	**843**	**416**	A
DXS450	**7470**	**7470**	**8067**	**172**	**937**	**432**	A
DXS505	**8100**	**8100**	**8748**	**172**	**937**	**432**	A
DXS570	**8732**	**8732**	**9430**	**172**	**937**	**432**	A
DXS160R	**3052**	**3052**	**3396**	**104**	**685**	**229**	A
DXS210R	**4365**	**4365**	**4712**	**172**	**758**	**369**	A
DXS235R	**4526**	**4526**	**4888**	**172**	**758**	**369**	A
DXS275R	**4796**	**4796**	**5177**	**172**	**758**	**369**	A
DXS390R	**6762**	**6762**	**7304**	**172**	**932**	**432**	A
DXS420R	**7159**	**7159**	**7731**	**172**	**932**	**432**	A
DXS480R	**7877**	**7877**	**8509**	**172**	**932**	**432**	A
DXD35	**1565**	**1630**	**1760**	**72**	**379**	**169**	N.A.
DXD47	**1634**	**1700**	**1837**	**72**	**395**	**169**	N.A.
DXD56	**1986**	**2068**	**2234**	**73**	**469**	**179**	N.A.
DXD65	**2046**	**2131**	**2302**	**73**	**474**	**179**	N.A.
DXD80	**2115**	**2203**	**2377**	**73**	**485**	**179**	N.A.
DXD95	**2156**	**2249**	**2428**	**73**	**486**	**179**	N.A.
DXD120	**2523**	**2627**	**2837**	**82**	**537**	**229**	N.A.
DXD135	**2945**	**3068**	**3313**	**82**	**562**	**229**	N.A.
DXD165	**3038**	**3166**	**3417**	**82**	**569**	**229**	N.A.
DXD200	**3562**	**3710**	**4008**	**104**	**569**	**369**	A
DXD240	**4119**	**4119**	**4449**	**104**	**706**	**369**	A
DXD300	**5245**	**5245**	**5665**	**172**	**843**	**416**	A
DXD345	**5442**	**5442**	**5877**	**172**	**843**	**416**	A
DXD385	**5955**	**5955**	**6433**	**172**	**843**	**416**	A
DXD450	**7583**	**7583**	**8200**	**172**	**937**	**432**	A
DXD505	**8339**	**8339**	**9007**	**172**	**937**	**432**	A
DXD570	**8948**	**8948**	**9665**	**172**	**937**	**432**	A
DXD660	**11492**	**11492**	**12411**	**245**	**1053**	**537**	A
DXD770	**12460**	**12460**	**13458**	**245**	**1053**	**537**	A
DXD915	**13286**	**13286**	**15066**	**245**	**1053**	**537**	A
DXD1000	**16576**	**16576**	**17903**	**245**	**1211**	**537**	A
DXD1100	**19525**	**19525**	**21087**	**790**	**1216**	**537**	A
DXD1200	**22118**	**22118**	**23887**	**790**	**1369**	**537**	A
DXD1350	**26952**	**26952**	**29107**	**884**	**1543**	**537**	A
DXD1500	**29283**	**29283**	**30309**	**884**	**1543**	**537**	A
DXD160R	**3166**	**3166**	**3524**	**104**	**685**	**229**	A
DXD210R	**4463**	**4463**	**4820**	**172**	**758**	**369**	A
DXD235R	**4626**	**4626**	**4995**	**172**	**758**	**369**	A
DXD275R	**4955**	**4955**	**5351**	**172**	**758**	**369**	A
DXD390R	**7088**	**7088**	**7655**	**172**	**932**	**432**	A
DXD420R	**7486**	**7486**	**8085**	**172**	**932**	**432**	A
DXD480R	**8204**	**8204**	**8858**	**172**	**932**	**432**	A

Dryplus-3 shell and tube dry-expansion evaporators

A series of heat exchangers optimized in order to ensure high evaporation performances in combination with R407C, R22, R404A, R507 and the other most used HCFC and HFC refrigerants. Nominal cooling capacities ranging from 18 to 1500 kW. Models from DX_18 to DX_1000 are suitable as a standard for heat pump (condensation) operation.

Model	Alfa Laval std.	CE/ GOST - SQL	ASME	Welded supports	Insulation	Flanges	4 pass ref.**
DXT120	**2745**	**2745**	**2964**	**82**	**537**	**229**	N.A.
DXT135	**3203**	**3203**	**3458**	**82**	**562**	**229**	N.A.
DXT165	**3286**	**3286**	**3548**	**82**	**569**	**229**	N.A.
DXT200	**3884**	**3884**	**4193**	**104**	**569**	**369**	N.A.
DXT240	**4346**	**4346**	**4695**	**104**	**706**	**369**	N.A.
DXT300	**5530**	**5530**	**5972**	**172**	**843**	**416**	N.A.
DXT345	**5665**	**5665**	**6117**	**172**	**843**	**416**	N.A.
DXT385	**6031**	**6031**	**6513**	**172**	**843**	**416**	N.A.
DXT450	**7896**	**7896**	**8528**	**172**	**937**	**432**	N.A.
DXT505	**8643**	**8643**	**9333**	**172**	**937**	**432**	N.A.
DXT570	**9251**	**9251**	**9991**	**172**	**937**	**432**	N.A.
DXT660	**12144**	**12144**	**13115**	**245**	**1053**	**537**	N.A.
DXT770	**13053**	**13053**	**14097**	**245**	**1053**	**537**	N.A.
DXT915	**14610**	**14610**	**14610**	**245**	**1053**	**537**	N.A.
DXT1000	**17392**	**17392**	**17392**	**245**	**1211**	**537**	N.A.
DXT1100	**19817**	**19817**	**19817**	**790**	**1216**	**537**	N.A.
DXT1200	**22412**	**22412**	**22412**	**790**	**1369**	**537**	N.A.
DXT1350	**28177**	**28177**	**28177**	**884**	**1543**	**537**	N.A.
DXT1500	**30309**	**30309**	**30309**	**884**	**1543**	**537**	N.A.
DXT160R	**3300**	**3300**	**3672**	**104**	**685**	**229**	N.A.
DXT210R	**4751**	**4751**	**5130**	**172**	**758**	**369**	N.A.
DXT235R	**4911**	**4911**	**5304**	**172**	**758**	**369**	N.A.
DXT275R	**5180**	**5180**	**5596**	**172**	**758**	**369**	N.A.
DXT390R	**7405**	**7405**	**7997**	**172**	**932**	**432**	N.A.
DXT420R	**7804**	**7804**	**8706**	**172**	**932**	**432**	N.A.
DXT480R	**8519**	**8519**	**9203**	**172**	**932**	**432**	N.A.
DXQ200	**3964**	**3964**	**4280**	**104**	**569**	**369**	N.A.
DXQ240	**4357**	**4357**	**4704**	**104**	**706**	**369**	N.A.
DXQ300	**5543**	**5543**	**5988**	**172**	**843**	**416**	N.A.
DXQ345	**5711**	**5711**	**6167**	**172**	**843**	**416**	N.A.
DXQ385	**6076**	**6076**	**6562**	**172**	**843**	**416**	N.A.
DXQ450	**7931**	**7931**	**8566**	**172**	**937**	**432**	N.A.
DXQ505	**8677**	**8677**	**9371**	**172**	**937**	**432**	N.A.
DXQ570	**9286**	**9286**	**10029**	**172**	**937**	**432**	N.A.
DXQ660	**12237**	**12237**	**13215**	**245**	**1053**	**537**	N.A.
DXQ770	**13207**	**13207**	**14263**	**245**	**1053**	**537**	N.A.
DXQ915	**14768**	**14768**	**15948**	**245**	**1053**	**537**	N.A.
DXQ1000	**18008**	**18008**	**19449**	**245**	**1211**	**537**	N.A.
DXQ1100	**20304**	**20304**	**21929**	**790**	**1216**	**537**	N.A.
DXQ1200	**23399**	**23399**	**25272**	**790**	**1369**	**537**	N.A.
DXQ1350	**26849**	**26849**	**30523**	**884**	**1543**	**537**	N.A.
DXQ1500	**30592**	**30592**	**33039**	**884**	**1543**	**537**	N.A.
DXQ160R	**3375**	**3375**	**3757**	**104**	**685**	**229**	N.A.
DXQ210R	**4829**	**4829**	**5216**	**172**	**758**	**369**	N.A.
DXQ235R	**4958**	**4958**	**5356**	**172**	**758**	**369**	N.A.
DXQ275R	**5228**	**5228**	**5647**	**172**	**758**	**369**	N.A.
DXQ390R	**7444**	**7444**	**8038**	**172**	**932**	**432**	N.A.
DXQ420R	**7840**	**7840**	**8468**	**172**	**932**	**432**	N.A.
DXQ480R	**8557**	**8557**	**9242**	**172**	**932**	**432**	N.A.

Flanges*: Version with flanges brine side UNI EN 1032-1 PN1
4 pass ref.**: 4 pass refrigerant side available
A = Available, NA = Not Available

Baffle version	Price multiplier
H = Tube bundle with reduced baffles distance	1.03
X = Tube bundle with extra-reduced baffles distance. Available only for Dryplus-3 series	1.05

Dryplus-E shell and tube dry-expansion evaporators

Specially designed for R134a evaporators, these heat exchangers ensure the most accurate performance for high efficiency cooling systems and chillers. Nominal cooling capacities ranging from 130 to 1420 kW. Special versions for heat pump (condensation) and low temperature operation.

Model	CE/ GOST - SQL	ASME	Welded sup-ports	Insula-tion	Flanges	4 pass ref.**	Model	CE/ GOST - SQL	ASME	Welded sup-ports	Insula-tion	Flanges	4 pass ref.**
DES130	**3824**	**4131**	**104**	**569**	**229**	A	DET130	**4267**	**4609**	**104**	**569**	**229**	N.A.
DES175	**5540**	**5980**	**172**	**758**	**369**	A	DET175	**5591**	**6036**	**172**	**758**	**369**	N.A.
DES240	**5883**	**6354**	**172**	**758**	**369**	A	DET240	**6502**	**7023**	**172**	**758**	**369**	N.A.
DES265	**7720**	**8338**	**172**	**937**	**416**	A	DET265	**8793**	**9496**	**172**	**937**	**416**	N.A.
DES315	**7985**	**8624**	**172**	**937**	**416**	A	DET315	**9045**	**9769**	**172**	**937**	**416**	N.A.
DES350	**8302**	**8967**	**172**	**937**	**416**	A	DET350	**9679**	**10454**	**172**	**937**	**416**	N.A.
							DET440	**13524**	**14607**	**245**	**1053**	**432**	N.A.
DED130	**3848**	**4156**	**104**	**569**	**229**	N.A.	DET535	**14970**	**16168**	**245**	**1053**	**432**	N.A.
DED175	**5615**	**6064**	**172**	**758**	**369**	N.A.	DET585	**15757**	**17016**	**245**	**1211**	**432**	N.A.
DED240	**5927**	**6400**	**172**	**758**	**369**	N.A.	DET645	**20370**	**22000**	**790**	**1216**	**537**	N.A.
DED265	**8106**	**8754**	**172**	**937**	**416**	N.A.	DET715	**22949**	**24787**	**790**	**1369**	**537**	N.A.
DED315	**8364**	**9034**	**172**	**937**	**416**	N.A.	DET745	**26820**	**28966**	**884**	**1543**	**537**	N.A.
DED350	**8680**	**9375**	**172**	**937**	**416**	N.A.	DET860	**28440**	**30716**	**884**	**1543**	**537**	N.A.
DED440	**12426**	**13420**	**245**	**1053**	**432**	A	DET955	**30965**	**33443**	**884**	**1543**	**537**	N.A.
DED535	**13069**	**14115**	**245**	**1053**	**432**	A	DET1100	**36845**	**39792**	**950**	**1543**	**537**	N.A.
DED585	**13809**	**14914**	**245**	**1211**	**432**	A	DET1220	**39715**	**42891**	**950**	**1543**	**537**	N.A.
DED645	**18036**	**19480**	**790**	**1216**	**537**	A	DET1290	**42967**	**46404**	**1045**	**1811**	**537**	N.A.
DED715	**20459**	**22097**	**790**	**1369**	**537**	A	DET1420	**48062**	**51905**	**1045**	**2916**	**537**	N.A.
DED745	**22628**	**24439**	**884**	**1543**	**537**	A							
DED860	**23791**	**25694**	**884**	**1543**	**537**	A	DEQ440	**13777**	**14878**	**245**	**1053**	**432**	N.A.
DED955	**25963**	**28038**	**884**	**1543**	**537**	A	DEQ535	**15269**	**16491**	**245**	**1053**	**432**	N.A.
DED1100	**35877**	**38747**	**950**	**1543**	**537**	A	DEQ585	**16070**	**17357**	**245**	**1211**	**432**	N.A.
DED1220	**38403**	**41475**	**950**	**1543**	**537**	A	DEQ645	**20798**	**22463**	**790**	**1216**	**537**	N.A.
							DEQ715	**23409**	**25282**	**790**	**1369**	**537**	N.A.
							DEQ745	**27355**	**29544**	**884**	**1543**	**537**	N.A.
							DEQ860	**29009**	**31329**	**884**	**1543**	**537**	N.A.
							DEQ955	**31585**	**34112**	**884**	**1543**	**537**	N.A.
							DEQ1100	**37582**	**40589**	**950**	**1543**	**537**	N.A.
							DEQ1220	**40509**	**43748**	**950**	**1543**	**537**	N.A.
							DEQ1290	**43825**	**47331**	**1045**	**1811**	**537**	N.A.
							DEQ1420	**49023**	**52945**	**1045**	**2916**	**537**	N.A.

Flanges *: Version with flanges brine side UNI EN 1032-1 PN16
4 pass ref. **: 4 pass refrigerant side available
A = Available, NA = Not Available

Baffle version	Price multiplier
H = Tube bundle with reduced baffles distance	1.03

Square version	Price multiplier
Round version is standard, on request a square version is available	1.055

Dryplus-3 and Dryplus-E S&T dry-expansion evaporators - options/accessories

A wide range of options/accessories is available for Dryplus-3 and Dryplus-E evaporators. A series of CE approved integrated tanks, designed to include the evaporator, is available with capacities from 240 to 3,000 litres.

Low temperature version	**Price multiplier**
BT version for operation up to -40°C with CE approval	1.05
Special material versions	
Exchange tubes and tube sheet stainless steel AISI 316 and carbon steel shell	2.3
Exchange tubes, tube sheet, shell and shell side connections in stainless steel AISI 316	3.4
Exchange tubes in copper; tube sheet, shell and shell side connections in stainless steel AISI 316	2.1
Carbon steel tubes	1.7
Copper/Nickel tubes (Cu/Ni 90/10) with AISI 316 tube sheet	2.0
Special 4 passes version	
In case of low refrigerant velocity a special 4P version is available	1.05
Special shell length	
Shell + 500 mm	1.05
Flanges in stainless steel	
Kit flanges, bolts in stainless steel AISI 316	5.0

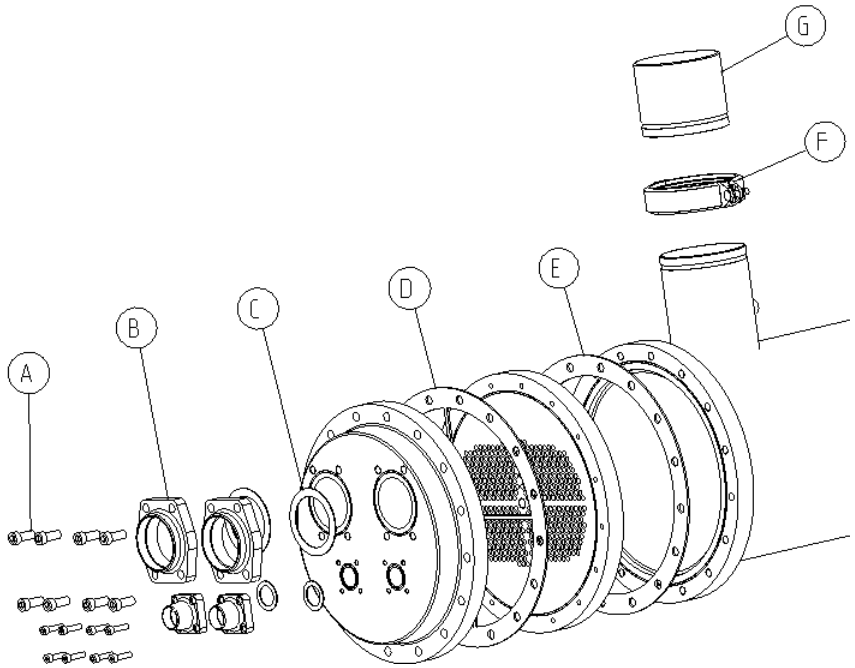
Extra price for special execution on refrigerant side (see catalogue)			
Model	**ODS mm**	**ODS inch**	**Extra price**
FA	35 , 42 , 54	2-1/8 , 1-3/8	**42**
FB	54 , 67	2-5/8 , 2-1/8	**53**
FC	67 , 89	2-5/8 , 3-1/8	**86**

IT integrated water tanks for evaporators *				
Flange	**Capacity L**	**S&T Evaporator model**	**S&T Evaporator model**	**Prices**
IT 204	240	DX 18, 28, 35, 47	NA	**869**
IT 470	470	DX 56, 65, 80, 95	NA	**1606**
IT 610	610	DX 120, 135, 165	NA	**2053**
IT 1100	1100	DX 200, 240, 160R	DE 130	**2685**
IT 1400	1400	DX 300, 345, 385, 210R, 235R, 275R	DE 175, 240	**3511**
IT 2000	2000	DX 450, 505, 570, 390R, 420R, 480R	DE 265, 315, 350	**4697**
IT 2500	2500	DX 660, 770, 915, 1000	DE 440, 535, 585	**5000**
IT 3000	3000	DX 1000 (+500 mm)	NA	**6369**

* IT tanks are only sold along with evaporators. Add the tank price to the selected evaporator.

Supports for shell and tube evaporators		
Model	**Shell diameter (mm)**	**Brackets (single)**
DX 18-28, 35-47	D = 140	**90**
DX 56-65, 80-95	D = 168	**91**
DX 120-135-165	D = 194	**92**
DX 200-240-160R - DE 130	D = 219	**93**
DX 300-345-385-210R-235R-275R - DE 175-240	D = 273	**94**
DX 450-505-570-390R-420R-480R - DE 265-315-350	D = 324	**95**
DX 660-770-915-1000 - DE 440-535-585	D = 406	**96**

S&T evaporator Dryplus-3 spare parts list



Spare parts for Dryplus-3								
Model	**Gasket header kit [a]**		**Gasket refrigerant connections kit [b]**		**Refrigerant connections kit [c]**		**Water connections kit [d]**	
	Part no.	**Price**	**Part no.**	**Price**	**Part no.**	**Price**	**Part no.**	**Price**
DXS18-47	SPDRY0001	**119**	SPDRY0100	**58**	SPDRY0200	**67**	N.A.*	
DXD35-47	SPDRY0002	**100**	SPDRY0101	**59**	SPDRY0201	**103**	N.A.*	
DXS56-95	SPDRY0003	**124**	SPDRY0102	**60**	SPDRY0202	**110**	N.A.*	
DXD56-95	SPDRY0004	**124**	SPDRY0103	**59**	SPDRY0203	**105**	N.A.*	
DXS120	SPDRY0005	**132**	SPDRY0104	**64**	SPDRY0204	**135**	N.A.*	
DXD120-165	SPDRY0006	**132**	SPDRY0105	**64**	SPDRY0205	**147**	N.A.*	
DXS135-165	SPDRY0005	**?**	SPDRY0106	**64**	SPDRY0206	**135**	N.A.*	
DXT120-165	SPDRY0007	**150**	SPDRY0107	**57**	SPDRY0207	**135**	N.A.*	
DXS160R*, 200-240	SPDRY0008	**159**	SPDRY0108	**64**	SPDRY0208	**169**	SPDRY0304	**149**
DXD160R*, 200-240	SPDRY0009	**159**	SPDRY0109	**64**	SPDRY0209	**176**	SPDRY0304	**149**
DXT160R*, 200-240	SPDRY0010	**139**	SPDRY0110	**64**	SPDRY0210	**176**	SPDRY0304	**149**
DXQ160R*, 200-240	SPDRY0011	**142**	SPDRY0111	**57**	SPDRY0211	**176**	SPDRY0304	**149**
DXS210R, 235R, 275R, 300, 345, 385	SPDRY0012	**179**	SPDRY0112	**63**	SPDRY0212	**176**	SPDRY0305	**177**
DXD210R, 235R, 275R, 300, 345, 385	SPDRY0013	**179**	SPDRY0113	**70**	SPDRY0213	**237**	SPDRY0305	**177**
DXT210R, 235R, 275R, 300, 345, 385	SPDRY0014	**167**	SPDRY0114	**70**	SPDRY0214	**237**	SPDRY0305	**177**
DXQ210R, 235R, 275R, 300, 345, 385	SPDRY0015	**168**	SPDRY0115	**58**	SPDRY0215	**365**	SPDRY0305	**177**
DXS390R, 420R, 480R, 450, 505, 570	SPDRY0016	**213**	SPDRY0116	**63**	SPDRY0216	**324**	SPDRY0307	**212**
DXD390R, 420R, 480R, 450, 505, 570	SPDRY0017	**213**	SPDRY0117	**69**	SPDRY0217	**342**	SPDRY0307	**212**
DXT390R, 420R, 480R, 450, 505, 570	SPDRY0018	**180**	SPDRY0118	**76**	SPDRY0218	**440**	SPDRY0307	**212**
DXQ390R, 420R, 480R, 450, 505, 570	SPDRY0019	**194**	SPDRY0119	**79**	SPDRY0219	**351**	SPDRY0307	**212**
DXD660-1000	SPDRY0020	**234**	SPDRY0120	**69**	SPDRY0220	**470**	SPDRY0308	**274**
DXT660-1000	SPDRY0021	**214**	SPDRY0121	**75**	SPDRY0221	**446**	SPDRY0308	**274**
DXQ660-1000	SPDRY0022	**215**	SPDRY0122	**83**	SPDRY0222	**368**	SPDRY0308	**274**
DXD1100-1200	SPDRY0023	**279**	SPDRY0123	**69**	SPDRY0223	**470**	SPDRY0308	**274**
DXT1100-1200	SPDRY0024	**298**	SPDRY0124	**75**	SPDRY0224	**446**	SPDRY0308	**274**
DXQ1100-1200	SPDRY0025	**298**	SPDRY0125	**83**	SPDRY0225	**368**	SPDRY0308	**274**
DXD1350-1500	SPDRY0026	**300**	SPDRY0126	**69**	SPDRY0226	**470**	SPDRY0308	**274**
DXT1350-1500	SPDRY0027	**305**	SPDRY0127	**75**	SPDRY0227	**446**	SPDRY0308	**274**
DXQ1350-1500	SPDRY0028	**316**	SPDRY0128	**83**	SPDRY0228	**470**	SPDRY0308	**274**

*Threaded water connections, no kit available

[a] D+E (see picture)

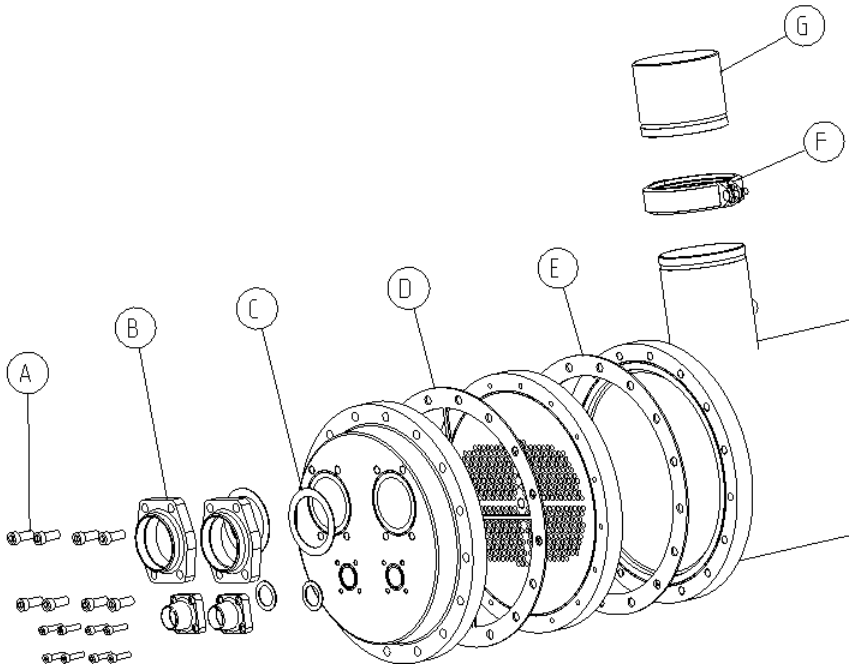
[b] C (see picture)

[c] A+B+C (see picture)

[d] G+F (see picture)

The standard kits are available without LOCTITE 5922 glue. If you need loctite with the kit please add a request for code: SPDRY0470: Price EUR 66

S&T Evaporator Dryplus-E spare parts list



Spare parts for Dryplus-E								
Model	**Gasket header kit [a]**		**Gasket refrigerant connections kit [b]**		**Refrigerant connections kit [c]**		**Water connections kit [d]**	
	Part no.	**Price**	**Part no.**	**Price**	**Part no.**	**Price**	**Part no.**	**Price**
DES130	SPDRY0400	**148**	SPDRY0423	**63**	SPDRY0446	**203**	SPDRY0303	**124**
DES175-240	SPDRY0401	**169**	SPDRY0424	**63**	SPDRY0447	**203**	SPDRY0304	**149**
DES265-350	SPDRY0402	**205**	SPDRY0425	**63**	SPDRY0448	**222**	SPDRY0305	**177**
DED130	SPDRY0403	**148**	SPDRY0426	**63**	SPDRY0449	**222**	SPDRY0303	**124**
DED175-240	SPDRY0404	**169**	SPDRY0427	**63**	SPDRY0450	**222**	SPDRY0304	**149**
DED265-350	SPDRY0405	**205**	SPDRY0428	**69**	SPDRY0451	**222**	SPDRY0305	**177**
DED440-585	SPDRY0406	**227**	SPDRY0429	**76**	SPDRY0452	**222**	SPDRY0307	**212**
DED645-715	SPDRY0407	**264**	SPDRY0430	**76**	SPDRY0453	**264**	SPDRY0308	**274**
DED745-955	SPDRY0408	**324**	SPDRY0431	**77**	SPDRY0454	**264**	SPDRY0308	**274**
DED1100-1220	SPDRY0409	**316**	SPDRY0432	**77**	SPDRY0455	**306**	SPDRY0308	**274**
DET130	SPDRY0410	**148**	SPDRY0433	**77**	SPDRY0456	**324**	SPDRY0303	**124**
DET175-240	SPDRY0411	**169**	SPDRY0434	**77**	SPDRY0457	**342**	SPDRY0304	**149**
DET265-350	SPDRY0412	**224**	SPDRY0435	**77**	SPDRY0458	**440**	SPDRY0305	**177**
DET440-585	SPDRY0413	**227**	SPDRY0436	**77**	SPDRY0459	**324**	SPDRY0307	**212**
DET645-715	SPDRY0414	**264**	SPDRY0437	**79**	SPDRY0460	**470**	SPDRY0308	**274**
DET745-955	SPDRY0415	**282**	SPDRY0438	**82**	SPDRY0461	**446**	SPDRY0308	**274**
DET1100-1220	SPDRY0416	**316**	SPDRY0439	**85**	SPDRY0462	**324**	SPDRY0308	**274**
DET1290-1420	SPDRY0417	**355**	SPDRY0440	**63**	SPDRY0463	**470**	SPDRY0308	**274**
DEQ440-585	SPDRY0418	**227**	SPDRY0441	**63**	SPDRY0464	**446**	SPDRY0307	**212**
DEQ645-715	SPDRY0419	**264**	SPDRY0442	**98**	SPDRY0465	**324**	SPDRY0308	**274**
DEQ745-955	SPDRY0420	**282**	SPDRY0443	**98**	SPDRY0466	**470**	SPDRY0308	**274**
DEQ1100-1220	SPDRY0421	**316**	SPDRY0444	**98**	SPDRY0467	**446**	SPDRY0308	**274**
DEQ1290-1420	SPDRY0422	**355**	SPDRY0445	**98**	SPDRY0468	**470**	SPDRY0308	**274**

[a] D+E (see picture)
[b] C (see picture)
[c] A+B+C (see picture)
[d] G+F (see picture)
The standard kits are available without LOCTITE 5922 glue. If you need loctite with the kit please add a request for code:
SPDRY0470: Price EUR 66

S&T Flooded evaporators EF

EF evaporators have been designed to ensure the maximum evaporation performance in combination with oil-free turbo-compressors operating with R134a. Four sizes for cooling capacities ranging from 200 to 1100 kW offer the possibility to support from 1 to 4 compressors. Thermal insulation is available.

EF Series	EFS 225	EFS 450	EFD 450	EFS 675	EFS 900
Compressors	1	2	2	3	4
Refrigerant circuits	1	1	2	1	1
Cooling capacity 1* (kW)	225	450	450	675	900
Cooling capacity 2** (kW)	275	550	550	825	1100
Shell diameter (mm)	508	508	508	558	610
Total length (mm)	1878	3510	3510	4913	5913
Water passes	4	2	2	2	2
CE unit ***	**14760**	**19776**	**24304**	**32500**	**39129**
Thermal insulation ****	**1045**	**1375**	**1375**	**1758**	**2398**

* Nominal cooling capacity at the following conditions: refrigerant R134a, secondary fluid water, vapour inlet quality 0.15, evaporation temperature 6°C, water temperatures 12/7°C, water-side fouling factor 0.000043 m²K/W, oil-free compressors.

** Nominal cooling capacity at the following conditions: refrigerant R134a, secondary fluid water, vapour inlet quality 0.30, evaporation temperature 4.5°C, water temperatures 12/6°C, water-side fouling factor 0.000043 m²K/W, oil-free compressors.

*** Standard price includes welded supports for compressors, bottom welded supports for evaporator, one sight glass (two for EFD version), flexible joint (Victaulic) water-side connections including clamp and counter-pipe.

Shell and tube water cooled condenser CDEW

Special water gasket configuration to resist to high water pressure. A standard range of shell and tube condensers includes 17 models optimized for R407C with a capacity range from 60 to 1680 kW. The square tube sheet can be used as support for the condenser. The CDEW-E version has been optimized for R134a high performance applications.

	Alfa Laval std.	Europe CE	Europe CE 45 bar version	RUSSIA GOST CHINA SQL	USA ASME[1]	LRS[2] RINA DNV	GL RMRS	Support accessories	
								Welded supports (couple)	Brackets* (single)
CDEW Series									
CDEW 60	**1374**	**1432**	**1574**	**1432**	**1547**	**1647**	**1503**	**73**	**90**
CDEW 80	**1471**	**1535**	**1688**	**1535**	**1658**	**1765**	**1612**	**73**	**90**
CDEW 100	**1629**	**1696**	**1867**	**1696**	**1832**	**1951**	**1780**	**73**	**90**
CDEW 120	**1729**	**1800**	**1980**	**1800**	**1946**	**2072**	**1891**	**73**	**90**
CDEW 135	**1846**	**1923**	**2114**	**1923**	**2076**	**2210**	**2018**	**73**	**90**
CDEW 165	**2330**	**2428**	**2671**	**2428**	**3351**[1]	**3351**[1]	**2550**	**82**	**92**
								104[1]	**94**
CDEW 190	**2413**	**2512**	**2763**	**2512**	**3466**[1]	**3466**[1]	**2637**	**82**	**92**
								104[1]	**94**
CDEW 215	**2531**	**2636**	**2900**	**2636**	**3638**[1]	**3638**[1]	**2769**	**82**	**92**
								104[1]	**94**
CDEW 240	**2688**	**2799**	**3079**	**2799**	**3864**[1]	**3864**[1]	**2939**	**82**	**92**
								104[1]	**94**
CDEW 260	**3809**	**3968**	**4759**	**3968**	**4285**	**4560**	**4166**	**172**	**114**
CDEW 300	**4298**	**4478**	**525**	**4478**	**4836**	**5150**	**4702**	**172**	**114**
CDEW 360	**4629**	**4822**	**5786**	**4822**	**5206**	**5543**	**5062**	**172**	**114**
CDEW 400	**4837**	**5038**	**6046**	**5038**	**5442**	**5794**	**5291**	**172**	**114**
CDEW 450	**5018**	**5226**	**6270**	**5226**	**5643**	**6011**	**5487**	**172**	**114**
CDEW 470	**6340**	**6605**	**7927**	**6605**	**7131**	**7594**	**6955**	**172**	**131**
CDEW 520	**6616**	**6891**	**8269**	**6891**	**7442**	**7926**	**7235**	**172**	**131**
CDEW 550	**6982**	**7274**	**8729**	**7274**	**7856**	**8363**	**7637**	**172**	**131**
CDEW 610	**9666**	**10069**	**12083**	**10069**	**10874**	**11580**	**10573**	**245**	**163**
CDEW 680	**10047**	**10467**	**12559**	**10467**	**11304**	**12035**	**10989**	**245**	**163**
CDEW 760	**10557**	**10997**	**13198**	**10997**	**11878**	**12646**	**11548**	**245**	**163**
CDEW 840	**11066**	**11527**	**13832**	**11527**	**12450**	**13256**	**12104**	**245**	**163**
CDEW 900	**14657**	**14657**	N.A.	O.R.	O.R.	O.R.	O.R.	**790**	N.A.
CDEW 940	**15030**	**15030**	N.A.	O.R.	O.R.	O.R.	O.R.	**790**	N.A.
CDEW 1040	**15693**	**15693**	N.A.	O.R.	O.R.	O.R.	O.R.	**790**	N.A.
CDEW 1100	**16635**	**16635**	N.A.	O.R.	O.R.	O.R.	O.R.	**884**	N.A.
CDEW 1220	**17148**	**17148**	N.A.	O.R.	O.R.	O.R.	O.R.	**884**	N.A.
CDEW 1360	**17843**	**17843**	N.A.	O.R.	O.R.	O.R.	O.R.	**884**	N.A.
CDEW 1520	**25259**	**25259**	N.A.	O.R.	O.R.	O.R.	O.R.	**950**	N.A.
CDEW 1680	**27727**	**27727**	N.A.	O.R.	O.R.	O.R.	O.R.	**950**	N.A.
CDEW-E Series									
CDEW-E 155	**3358**	**3358**	N.A.	**3358**	O.R.	O.R.	O.R.	**82**	**92**
CDEW-E 170	**3471**	**3471**	N.A.	**3471**	O.R.	O.R.	O.R.	**82**	**92**
CDEW-E 185	**3651**	**3651**	N.A.	**3651**	O.R.	O.R.	O.R.	**82**	**92**
CDEW-E 215	**4774**	**4774**	N.A.	**4774**	O.R.	O.R.	O.R.	**172**	**114**
CDEW-E 260	**5553**	**5553**	N.A.	**5553**	O.R.	O.R.	O.R.	**172**	**114**
CDEW-E 315	**5890**	**5890**	N.A.	**5890**	O.R.	O.R.	O.R.	**172**	**114**
CDEW-E 350	**6087**	**6087**	N.A.	**6087**	O.R.	O.R.	O.R.	**172**	**114**
CDEW-E 370	**6187**	**6187**	N.A.	**6187**	O.R.	O.R.	O.R.	**172**	**114**
CDEW-E 395	**7955**	**7955**	N.A.	**7955**	O.R.	O.R.	O.R.	**172**	**131**
CDEW-E 440	**8143**	**8143**	N.A.	**8143**	O.R.	O.R.	O.R.	**172**	**131**
CDEW-E 480	**8454**	**8454**	N.A.	**8454**	O.R.	O.R.	O.R.	**172**	**131**
CDEW-E 520	**11942**	**11942**	N.A.	**11942**	O.R.	O.R.	O.R.	**245**	**163**
CDEW-E 570	**12305**	**12305**	N.A.	**12305**	O.R.	O.R.	O.R.	**245**	**163**
CDEW-E 640	**12834**	**12834**	N.A.	**12834**	O.R.	O.R.	O.R.	**245**	**163**
CDEW-E 705	**13438**	**13438**	N.A.	**13438**	O.R.	O.R.	O.R.	**245**	**163**

[1] Shell diameter 219 mm, version not standard.
[2] LRS (Lloyd's Register of Shipping) approval is available only for 168, 219, 273 mm shell diameter models
* Brackets support are only available loose
** Loose supports to be welded are available only for Alfa Laval standard units

ASME, DNV, LRS, RINA, GL, RMRS approvals are subjected to inspection cost according to the following list. Inspection cost does not depend on item quantity in a single order, they are applied once for each approval requested.

- ASME 300 € per order*
- GL 1000 € per order*
- DNV, LRS, RINA, RMRS 1200 € per order*

* These prices are fixed and cannot be discounted.

Shell and tube water cooled condenser - Accessories

A wide range of accessories is available for CDEW water cooled condensers.

Sight glass available for water cooled condenser	Price
Sight glass 1 - Glass diameter D = 35 mm[1] (sight glass is available only for CE approval [2])	**222**
Sight glass 2 - Glass diameter D = 30 mm[2] (sight glass is available only for CE approval [2])	**149**

[1] Starting from shell diameter 219 mm

[2] For different approvals please contact our technical department.

Std version multipliers for different application/construction	Price multiplier
Construction H.R. (Desuperheater)	x 1.10
Desuperheater and condenser with indep. water circuit HRC	x 1.15
Condenser models with CE approval for water side work pressure of 16 bar (CDEW, CDEW-E, CPS, McDEW)	x 1.10
Condenser models with water side in AISI 316 stainless steel (covers, tube sheets, exchange tubes)	x 2.7
Condenser models with water side in AISI 316 stainless steel (tube sheets, exchange tubes)	x 2.4
Condenser models all in AISI 316 stainless steel	x 3.3
Condenser models all in carbon steel (exchange tubes not in stock, it needs a minimum lot)	x 1.2

Std version multipliers for twin condenser, 2 ref. circuit and 1 water circuit	Price multiplier
2 passes water side	x 2.0
1 pass water side	x 2.1

Adapters from threaded to flexible joint connection	Price
Kits including adapters in carbon steel for 1 condenser described in the S&T Condenser brochure)	
Adapter T1-J1	**177**
Adapter T11-J11	**186**
Adapter T2-J2	**203**
Adapter T21-J21	**223**
Adapter T3-J3	**231**
Adapter T4-J4	**305**
Adapter T5-J5	**344**
In case of a stainless steel adapter, consider a price multiplier of a CS adapter. x 3.0	

Special execution for condenser CDEW Refrigerant connections options (see catalogue)			
Name	**ODS mm**	**Type**	**Price**
Rotalock connections with different ODS			
RB22	22	B	**36**
RB28	28	C	**49**
RB35	35	C	**49**
Refrigerant connection with different soldering ODS			
WA42	42	A	**14**
WA54	54	B	**22**
WA67	67	C	**28**
WA80	80	D	**34**
Refrigerant connection inlet with flange and counter flange with 90 curve			
FA35	35	A	**96**
FA42	42	A	**106**
FB54	54	B	**135**
FC67	67	C	**234**
FC80	80	C	**267**

Shell and tube water cooled condenser McDEW

A new series of marine condensers designed to ensure perfect performance and reliability for all sea-water applications. The range includes 25 models of condensers from 15 to 770 kW, available in tower or city configuration. Special water gaskets are used to resist to high water pressure. The square tube sheet can be used as a support for the condenser.

	Alfa Laval std.	Europe CE	RUSSIA GOST CHINA SQL	USA ASME[1]	LRS[2] RINA DNV	GL RMRS	Support accessories	
							Welded supports (couple)	Brackets* (single)
McDEW Series								
McDEW 15	**2196**	**2288**	**2288**	**2471**	**2629**	**2402**	**73**	**90**
McDEW 25	**2330**	**2428**	**2428**	**2623**	**2790**	**2549**	**73**	**90**
McDEW 34	**2505**	**2610**	**2610**	**2819**	**3002**	**2740**	**73**	**90**
McDEW 48	**2751**	**2907**	**2920**	**3093**	**3294**	**3008**	**73**	**90**
McDEW 50	**2791**	**2920**	**2907**	**3139**	**3344**	**3054**	**73**	**90**
McDEW 67	**2922**	**3102**	**3102**	**3285**	**3499**	**3195**	**73**	**90**
McDEW 90	**3250**	**3452**	**3452**	**3655**	**3891**	**3554**	**73**	**90**
McDEW 105	**3488**	**3633**	**3633**	**3925**	**4178**	**3815**	**73**	**90**
McDEW 123	**3758**	**3914**	**3914**	**4228**	**4500**	**4109**	**73**	**90**
McDEW 153	**4777**	**4977**	**4977**	**6669**[1]	**6669**	**5226**	**82**	**92**
							104[1]	**94**
McDEW 175	**4986**	**5193**	**5193**	**6956**[1]	**6956**	**5453**	**82**	**92**
							104[1]	**94**
McDEW 200	**5182**	**5398**	**5398**	**7231**[1]	**7231**	**5667**	**82**	**92**
							104[1]	**94**
McDEW 205	**5466**	**5692**	**5692**	**7627**[1]	**7627**	**5977**	**82**	**92**
							104[1]	**94**
McDEW 238	**7352**	**7660**	**7660**	**8273**	**8811**	**8045**	**172**	**114**
McDEW 275	**8072**	**8407**	**8407**	**9082**	**9670**	**8827**	**172**	**114**
McDEW 330	**8943**	**9313**	**9313**	**10059**	**10712**	**9779**	**172**	**114**
McDEW 370	**9440**	**10024**	**10024**	**10619**	**11308**	**10325**	**172**	**114**
McDEW 410	**9794**	**10398**	**10398**	**11017**	**11731**	**10711**	**172**	**114**
McDEW 430	**12476**	**13248**	**13248**	**14036**	**14945**	**13645**	**172**	**131**
McDEW 480	**13553**	**14392**	**14392**	**15247**	**16235**	**14825**	**172**	**131**
McDEW 505	**14274**	**15158**	**15158**	**16059**	**17099**	**15613**	**172**	**131**
McDEW 555	**18230**	**19359**	**19359**	**20510**	**21839**	**19940**	**245**	**163**
McDEW 620	**20623**	**21900**	**21900**	**23202**	**24705**	**2347**	**245**	**163**
McDEW 700	**22088**	**23456**	**23456**	**24851**	**26462**	**24160**	**245**	**163**
McDEW 770	**22754**	**24162**	**24162**	**25596**	**27256**	**24885**	**245**	**163**

[1] Shell diameter 219 mm, version not standard.
[2] LRS (Lloyd's Register of Shipping) approval is available only for 168, 219, 273 mm shell diameter models

ASME, DNV, LRS, RINA, GL, RMRS approvals are subjected to inspection cost according to the following list. Inspection cost does not depend on item quantity in a single order, they are applied once for each approval requested.

- ASME 300 € per order *
- GL 1000 € per order *
- DNV, LRS, RINA, RMRS 1200 € per order *

* These prices are fixed and cannot be discounted.

Shell and tube water cooled condenser CPS

Three series of fresh water shell and tube condensers with capacity ranges from 3 to 520 kW. One series of sea water shell and tube condensers with capacity ranges from 8 to 60 kW.

	Alfa Laval std.	Europe CE	RUSSIA GOST CHINA SQL	USA ASME[1]	LRS[2] RINA DNV	GL RMRS	Support accessories	
							Welded/bolted supports (couple)	Brackets* (single)
CPS Series								
CPS 35	**1025**	**1068**	**1068**	**1155**	**1229**	**1122**	**73**	**90**
CPS 45	**1099**	**1146**	**1146**	**1238**	**1319**	**1204**	**73**	**90**
CPS 60	**1160**	**1207**	**1207**	**1304**	**1389**	**1268**	**73**	**90**
CPS 80	**1258**	**1310**	**1310**	**1414**	**1508**	**1375**	**73**	**90**
CPS 70	**1273**	**1310**	**1310**	**1432**	**1526**	**1392**	**73**	**90**
CPS 100	**1349**	**1406**	**1406**	**1516**	**1616**	**1477**	**73**	**90**
CPS 120	**1446**	**1507**	**1507**	**1626**	**1731**	**1582**	**73**	**90**
CPS 145	**1831**	**1907**	**1907**	**2059**	**2191**	**2003**	**73**	**90**
CPS 160	**1908**	**1987**	**1987**	**2145**	**2286**	**2086**	**73**	**90**
CPS 180	**2203**	**2294**	**2294**	**3105[1]**	**3105**	**2409**	**82**	**92**
							104[1]	**94**
CPS 210	**2492**	**2597**	**2597**	**3513[1]**	**3513**	**2726**	**82**	**92**
							104[1]	**94**
CPS 235	**2495**	**2597**	**2597**	**3514[1]**	**3514**	**2729**	**82**	**92**
							104[1]	**94**
CPS 260	**2510**	**2615**	**2615**	**3537[1]**	**3537**	**2745**	**82**	**92**
							104[1]	**94**
CPS 285	**3598**	**3748**	**3748**	**4049**	**4309**	**3935**	**172**	**114**
CPS 335	**3737**	**3893**	**3893**	**4205**	**4476**	**4088**	**172**	**114**
CPS 390	**4075**	**4245**	**4245**	**4585**	**4882**	**4456**	**172**	**114**
CPS 440	**4375**	**4559**	**4559**	**4924**	**5243**	**4788**	**172**	**114**
CPS 520	**4674**	**4870**	**4870**	**5258**	**5598**	**5112**	**172**	**144**
CFC Series								
CFC 8	**597**	**733**	**733**	N.A.	N.A.	N.A.	**77**	N.A.
CFC 12	**662**	**794**	**794**	N.A.	N.A.	N.A.	**77**	N.A.
CFC 15	**729**	**836**	**836**	N.A.	N.A.	N.A.	**77**	N.A.
CFC 20	**785**	**885**	**885**	N.A.	N.A.	N.A.	**77**	N.A.
CFC 25	**967**	**1089**	**1089**	N.A.	N.A.	N.A.	**77**	**95**
CFC 30	**1027**	**1154**	**1154**	N.A.	N.A.	N.A.	**77**	**95**
CFC 40	**1144**	**1279**	**1279**	N.A.	N.A.	N.A.	**77**	**95**
CFC 50	**1270**	**1396**	**1396**	N.A.	N.A.	N.A.	**86**	**97**
CFC 60	**1413**	**1478**	**1478**	N.A.	N.A.	N.A.	**86**	**97**
CRS Series								
CRS 3	**898**	**1044**	**1044**	N.A.	N.A.	N.A.	**77**	**95**
CRS 6	**933**	**1063**	**1063**	N.A.	N.A.	N.A.	**77**	**95**
CRS 8	**953**	**1080**	**1080**	N.A.	N.A.	N.A.	**77**	**95**
CRS 12	**1036**	**1128**	**1128**	N.A.	N.A.	N.A.	**77**	**95**
CRS 15	**1145**	**1363**	**1363**	N.A.	N.A.	N.A.	**86**	**97**
CRS 20	**1273**	**1488**	**1488**	N.A.	N.A.	N.A.	**86**	**97**
CRS 25	**1314**	**1514**	**1514**	N.A.	N.A.	N.A.	**86**	**97**
CRS Series								
CFC/M 8	**1054**	**1150**	**1150**	N.A.	N.A.	N.A.	**77**	N.A.
CFC/M 12	**1145**	**1277**	**1277**	N.A.	N.A.	N.A.	**77**	N.A.
CFC/M 15	**1266**	**1348**	**1348**	N.A.	N.A.	N.A.	**77**	N.A.
CFC/M 20	**1376**	**1447**	**1447**	N.A.	N.A.	N.A.	**77**	N.A.
CFC/M 25	**1816**	**1968**	**1968**	N.A.	N.A.	N.A.	**77**	**95**
CFC/M 30	**1926**	**2064**	**2064**	N.A.	N.A.	N.A.	**77**	**95**
CFC/M 40	**2149**	**2283**	**2283**	N.A.	N.A.	N.A.	**77**	**95**
CFC/M 50	**2579**	**2837**	**2837**	N.A.	N.A.	N.A.	**86**	**97**
CFC/M 60	**2872**	**3040**	**3040**	N.A.	N.A.	N.A.	**86**	**97**

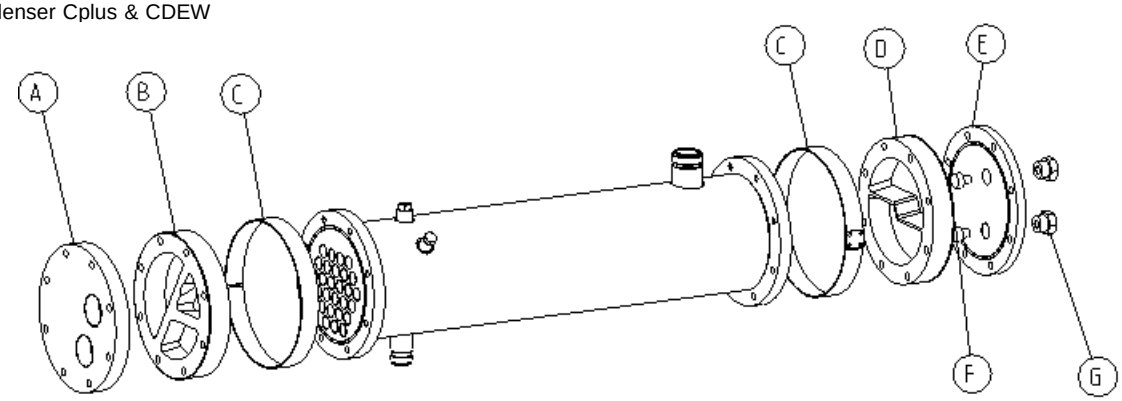
[1] Shell diameter 219 mm, version not standard.
[2] LRS (Lloyd's Register of Shipping) approval is available only for 168, 219, 273 mm shell diameter models
* Brackets support are only available loose
** Loose supports to be welded are available only for Alfa Laval standard units

ASME, DNV, LRS, RINA, GL, RMRS approvals are subjected to inspection cost according to the following list. Inspection cost does not depend on item quantity in a single order, they are applied once for each approval requested.

- ASME 300 € per order *
- GL 1000 € per order *
- DNV, LRS, RINA, RMRS 1200 € per order *

* These prices are fixed and cannot be discounted.

S&T Condenser Cplus & CDEW



Spare parts for shell and tube condensers		
Part no.	**Shell & Tube model**	**Price**
Kit gasket water connections[1]		
SPCP0001	CPS35-80 Tower, McDEW 15-48 Tower	**132**
SPCP0002	CPS35-80 City, McDEW 15-48 City	**144**
SPCP0003	CPS70, 100-160 Tower; CDEW 60-135 Tower, McDEW 50-123 Tower	**132**
SPCP0004	CPS70, 100-160 City; CDEW 60-135 City, McDEW 50-123 City	**132**
SPCP0005	CPS180-260 Tower; CDEW 165-240 Tower, McDEW 153-205 Tower	**155**
SPCP0006	CPS180-260 City; CDEW 165-240 City, McDEW 153-205 City	**159**
SPCP0007	CPS285-520 Tower; CDEW 260-450 Tower, McDEW 238-410 Tower	**215**
SPCP0008	CPS285-520 City; CDEW 260-450 City, McDEW 238-410 City	**732**
SPCP0025	CDEW 470-550 Tower, McDEW 430-505 Tower	**1147**
SPCP0026	CDEW 470-550 City, McDEW 430-505 City	**1306**
SPCP0027	CDEW 610-840 Tower, McDEW 555-770 Tower	**2347**
SPCP0028	CDEW 610-840 City, McDEW 555-770 City	**2678**
SPCP0013	CFC8-CFC20; CFC/M8-CFC/M20 City	**64**
SPCP0029	CFC25-CFC40; CFC/M25-CFC/M40 City	**69**
SPCP0015	CFC50, CFC60; CFC/M50 City, CFC/M60 City	**74**
SPCP0016	CFC/M8-CFC/M20 Tower	**64**
SPCP0017	CFC/M25-CFC/M40 Tower	**69**
SPCP0018	CFC/M50 Tower, CFC/M60 Tower	**74**
Kit water connections [2]		
SPCP0100	CPS35-80 Tower	**403**
SPCP0101	CPS35-80 City	**452**
SPCP0104	CPS70, 100-160 Tower; CDEW 60-135 Tower	**313**
SPCP0105	CPS70, 100-160 City; CDEW 60-135 City	**407**
SPCP0108	CPS180-260 Tower; CDEW 165-240 Tower	**538**
SPCP0109	CPS180-260 City; CDEW 165-240 City	**431**
SPCP0112	CPS285-520 Tower; CDEW 260-450 Tower	**727**
SPCP0113	CPS285-520 City; CDEW 260-450 City	**1308**
SPCP0130	McDEW 15-48 Tower	**895**
SPCP0131	McDEW 15-48 City	**895**
SPCP0132	McDEW 50-123 Tower	**1095**
SPCP0133	McDEW 50-123 City	**1095**
SPCP0134	McDEW 153-205 Tower	**1543**
SPCP0135	McDEW 153-205 City	**1543**
SPCP0136	McDEW 238-410 Tower	**2948**
SPCP0137	McDEW 238-410 City	**2948**

[1] B+C+D (see figure)
[2] A+B+C+D+E (see figure)

Spare parts anodes for marine condensers[3]									
Part no.	**CFC/M Model**	**McDEW Model**	**CFL/M Model**	**ACFC/M Model**	**ACFL/M Model**	**CRA/M Model**	**CRS/M Model**	**Qty per condenser**	**Price/pcs**
44206000	8-20							2	**11**
44206001	25-40	15-123	42-50			17-50	3-12	2	**13**
44206002	50-60	153-205	56-165			66-100	15-25	2	**15**
44206003				150 Series	180 Series			1	**26**
44206004		238-505		240 Series	300 Series			2	**28**
44206005		555-770			750 Series			2	**49**

[3] F (see figure)

Liquid receivers - Vertical receivers-LRV

Generally used to absorb load variations of the system and stock the full charge of refrigerant in case of maintenance.

	Alfa Laval std. (self inspected)	Europe CE	RUSSIA GOST CHINA SQL
LRV 5	**60**	**337**	**466**
LRV 7	**66**	**345**	**524**
LRV 12	**84**	**386**	**559**
LRV 24	**142**	**452**	**670**
LRV 30	**736**	**779**	**779**
LRV 40	**790**	**836**	**836**
LRV 50	**880**	**935**	**935**
LRV 51	**866**	**916**	**916**
LRV 60	**945**	**999**	**999**
LRV 80	**1019**	**1082**	**1082**
LRV 90	**1103**	**1169**	**1169**
LRV 110	**1458**	**1546**	**1546**
LRV 120	**1522**	**1614**	**1614**
LRV 130	**1573**	**1667**	**1667**
LRV 150	**2006**	**2126**	**2126**
LRV 180	**2142**	**2272**	**2272**
LRV 200	**2223**	**2355**	**2355**
LRV 250	**2423**	**2567**	**2567**
LRV 300	**2623**	**2780**	**2780**

	Europe CE
LRDV 5	**151**
LRDV 7	**174**
LRDV 12	**197**
LRDV 18	**251**
LRDV 24	**267**
LRDV 30	**342**

Liquid receivers - Horizontal receivers-LRH

Generally used to absorb load variations of the system and stock the full charge of refrigerant in case of maintenance.

	Shell diameter mm	Alfa Laval std.	Europe CE	RUSSIA GOST CHINA SQL	Accessories	Supports	
					Additional service connections (1/4", 1/2", 1") (single)	Welded supports (couple)	Brackets* (single)
LRH Series							
LRH 7	140	**75**	**304**	**433**	**17**	**72**	**90**
LRH 12	140	**89**	**338**	**487**	**17**	**72**	**90**
LRH 14	168	**94**	**360**	**508**	**17**	**73**	**90**
LRH 18	168	**107**	**389**	**538**	**17**	**73**	**90**
LRH 22	168	**129**	**391**	**580**	**17**	**73**	**90**
LRH 25	168	**137**	**410**	**624**	**17**	**73**	**90**
LRH 26	194	**173**	**414**	**624**	**17**	**82**	**92**
LRH 30	219	**633**	**670**	**670**	**17**	**104**	**94**
LRH 40	219	**723**	**766**	**766**	**17**	**104**	**94**
LRH 50	219	**868**	**922**	**922**	**17**	**104**	**94**
LRH 51	273	**788**	**834**	**834**	**17**	**172**	**114**
LRH 60	273	**855**	**908**	**908**	**17**	**172**	**114**
LRH 80	273	**925**	**982**	**982**	**17**	**172**	**114**
LRH 90	273	**998**	**1057**	**1057**	**17**	**172**	**114**
LRH 110	324	**1373**	**1456**	**1456**	**17**	**172**	**131**
LRH 120	324	**1449**	**1534**	**1534**	**17**	**172**	**131**
LRH 130	324	**1509**	**1599**	**1599**	**17**	**172**	**131**
LRH 150	406	**1827**	**1936**	**1936**	**17**	**245**	**163**
LRH 180	406	**1938**	**2053**	**2053**	**17**	**245**	**163**
LRH 200	406	**2004**	**2124**	**2124**	**17**	**245**	**163**
LRH 250	406	**2168**	**2297**	**2297**	**17**	**245**	**163**
LRH 300	406	**2331**	**2470**	**2470**	**17**	**245**	**163**
LRH 400	406	**3466**	**3466**	O.R.	**17**	**245**	**163**
LRH 400	457	**5255**	**5255**	O.R.	**17**	**790**	N.A.
LRH 500	508	**5384**	**5384**	O.R.	**17**	**884**	N.A.
LRH 600	508	**7563**	**7563**	O.R.	**17**	**884**	N.A.
LRH 650	508	**10053**	**10053**	O.R.	**17**	**884**	N.A.
LRH 650	558	**10843**	**10843**	O.R.	**17**	**969**	N.A.
LRH 750	558	**12800**	**12800**	O.R.	**17**	**969**	N.A.
LRH 900	558	**13970**	**13970**	O.R.	**17**	**969**	N.A.
LRH 1000	558	**16287**	**16287**	O.R.	**17**	**969**	N.A.
LRDH Series							
LRDH 5	160	N.A.	**151**	N.A.	**17**	**72**	N.A.
LRDH 7	200	N.A.	**174**	N.A.	**17**	**104**	N.A.
LRDH 12	220	N.A.	**197**	N.A.	**17**	**104**	N.A.
LRDH 18	260	N.A.	**251**	N.A.	**17**	**172**	N.A.
LRDH 24	280	N.A.	**267**	N.A.	**17**	**172**	N.A.
LRDH 30	300	N.A.	**342**	N.A.	**17**	**172**	N.A.

* Brackets support are only available loose
Loose supports to be welded are available only for Alfa Laval standard units

Sight glass available for LRH and LRHD liquid receivers	**Price**
Sight glass 1 - Glass diameter D = 35 mm[1] (sight glass is available only for CE approval 2)	**222**
Sight glass 2 for series LRDV/LRDH - Glass diameter D = 30 mm [3] (sight glass is available only for CE approval 2)	**149**

[1] Starting from shell diameter 219 mm
[2] For different approvals please contact our technical department.
[3] Up to shell diameter 194 mm

Liquid separator SA

SA Liquid separators

	Alfa Laval std. (self inspected)	Europe CE	RUSSIA GOST CHINA SQL
Liquid separators			
SA 5	**108**	**355**	**355**
SA 10	**124**	**408**	**408**
SA 15	**130**	**425**	**425**
SA 30	**179**	**471**	**471**
SA 60	**205**	**507**	**507**

	Europe CE
SAD 5	**171**
SAD 10	**220**
SAD 15	**229**
SAD 30	**271**
SAD 60	**357**

Alfa Laval Air Cooled Condensers

General description

Specifications	
Series	AG, AGH
Fan motors	400, 500, 630 mm
Size	400 mm: 1-3 Fan motors
	500 mm: 1-4 Fan motors
	630 mm: 1–6 Fan motors
Coil size	400 mm: A, B
	500 mm: A, B, C
	630 mm: A, B, C
Options	EC motors (500 & 630 mm fans only)
	Fan speed control (230/1 and 400/3 - 50/60Hz),
	Non-standard power supply
	Fan motor switches
	Terminal box for electric power connection
	Coil corrosion protection: coil coating, and fins seawater resistant aluminium alloy 57S/5052
	Special fin spacing (2.5 and 3.2 mm)
	Vibration dampers

Application

The new generation of AlfaBlue Junior commercial condensers is a condenser line of robust construction and high rigidity, that has every feature you need. AlfaBlue Junior offers performance especially at low air flow rates, allowing easy installation on site and an outstanding integration with other components. Highly efficient fan motors combine excellent sound characteristics and low energy consumption. AlfaBlue Junior condensers may be used in commercial refrigeration and A/C installations.

Capacity

Nominal capacity according to standard ENV 327: 6.5–260 kW

Frame and casework

The coil frame is made from AlMg3 for protection against vibration and thermal expansion. Casing material is galvanized steel sheet, pre-painted with an epoxy finish (RAL9002). Separated fan sections.

Heat exchangers

Coil design based on 5/16” copper tubes and corrugated aluminium fins provides excellent heat transfer at minimal refrigerant charge. Standard fin spacing is 2.1 mm.
A special range of High Pressure condensers is available with refrigerant circuiting optimized for refrigerant R410A. This AGH range has been specifically developed for A/C applications and may be Tailored for OEM use.

Fan motors

High efficiency fans with innovative polymeric fan blades and low power consumption. Available in three fan diameters (400, 500 & 630 mm), different power supplies (230V, 400V, 50/60Hz) and four noise levels. Protection class IP 54 according to DIN 40050. Integrated thermo contacts provide reliable protection against thermal overload (terminals in the box). Motors may be wired to a common terminal boxes.

Certification

The Alfa Laval quality system is in accordance with ISO 9001.

All products are manufactured to CE rules.

All series of air cooled condensers have performance certified by Eurovent "Certify All"

Selection & Prices

Complete air cooler selection and all prices may to be performed with our AlfaSelect Air Software.
In case of inconsistency of data between this book and selection software, please refer always to the last one.

Prices

The model is ready to be delivered: completely assembled, in vertical position, on a pallet, protected by a plastic film, ex-works.
The basic Air Cooled Condensers includes: the coil, fan motors, caseworks factory.
This version is ready to be installed in vertical position (horizontal air flow) or in horizontal adding the support kit feet.
For more information, please see the accessories page, where you can find more electrical options.

Coil options

- EP: epoxy coated aluminium fins .
- T: thermoguard (Industrial or sea coast applications).
- SWR: sea water resistant, on request.
- CU: copper fin.

Model	Series				Coil options Extra price		
	S	L	Q	R	EP	T	CU
Ø 400 (230V/1Ph - 50 Hz)							
AG_401A	**495**	**495**			**50**	**142**	**154**
AG_401B	**567**	**567**			**55**	**152**	**164**
AG_402A	**814**	**814**			**100**	**284**	**308**
AG_402B	**927**	**927**			**110**	**304**	**328**
AG_403A	**1108**	**1108**			**150**	**426**	**462**
AG_403B	**1240**	**1240**			**165**	**456**	**492**
Ø 500 (400V/3Ph - 50 Hz)							
AG_501A	**900**	**900**	**900**		**100**	**213**	**230**
AG_501B	**1032**	**1032**	**1032**		**112**	**223**	**241**
AG_501C	**1155**	**1155**	**1155**		**124**	**246**	**266**
AG_502A	**1475**	**1475**	**1475**		**200**	**426**	**460**
AG_502B	**1778**	**1778**	**1778**		**224**	**446**	**482**
AG_502C	**1988**	**1988**	**1988**		**248**	**492**	**532**
AG_503A	**2176**	**2176**	**2176**		**300**	**639**	**690**
AG_503B	**2592**	**2592**	**2592**		**336**	**669**	**723**
AG_503C	**2928**	**2928**	**2928**		**372**	**738**	**798**
AG_504B	**3453**	**3453**	**3453**		**448**	**892**	**964**
AG_504C	**3806**	**3806**	**3806**		**496**	**984**	**1064**
Ø 630 (400V/3Ph - 50 Hz)							
AG_631A	**1446**	**1446**	**1446**	**1446**	**123**	**429**	**491**
AG_631B	**1674**	**1674**	**1674**	**1674**	**143**	**501**	**572**
AG_631C	**1882**	**1882**	**1882**		**160**	**559**	**639**
AG_632A	**2227**	**2227**	**2227**	**2227**	**246**	**858**	**982**
AG_632B	**2580**	**2580**	**2580**	**2580**	**286**	**1002**	**1144**
AG_632C	**2867**	**2867**	**2867**		**320**	**1118**	**1278**
AG_633A	**3312**	**3312**	**3312**	**3312**	**369**	**1287**	**1473**
AG_633B	**3855**	**3855**	**3855**	**3855**	**429**	**1503**	**1716**
AG_633C	**4274**	**4274**	**4274**		**480**	**1677**	**1917**
AG_634A	**4344**	**4344**	**4344**	**4344**	**492**	**1716**	**1964**
AG_634B	**5085**	**5085**	**5085**	**5085**	**572**	**2004**	**2288**
AG_634C	**5664**	**5664**	**5664**		**640**	**2236**	**2556**
AG_635A	**5939**	**5939**	**5939**	**5939**	**615**	**2145**	**2455**
AG_635B	**6642**	**6642**	**6642**	**6642**	**715**	**2505**	**2860**
AG_635C	**7123**	**7123**	**7123**		**800**	**2795**	**3195**
AG_636A	**7370**	**7370**	**7370**	**7370**	**738**	**2574**	**2946**
AG_636B	**8227**	**8227**	**8227**	**8227**	**858**	**3006**	**3432**
AG_636C	**9018**	**9018**	**9018**		**960**	**3354**	**3834**

Model	Series					Coil options Extra price		
	S	L	Q	R		EP	T	CU
Ø 400 (230V/1Ph - 50 Hz)								
AGH_401A	**510**	**510**				**50**	**142**	**154**
AGH_401B	**583**	**583**				**55**	**152**	**164**
AGH_402A	**838**	**838**				**100**	**284**	**308**
AGH_402B	**955**	**955**				**110**	**304**	**328**
AGH_403A	**1141**	**1141**				**150**	**426**	**462**
AGH_403B	**1277**	**1277**				**165**	**456**	**492**
Ø 500 (400V/3Ph - 50 Hz)								
AGH_501A	**927**	**927**	**927**			**100**	**213**	**230**
AGH_501B	**1063**	**1063**	**1063**			**112**	**223**	**241**
AGH_501C	**1190**	**1190**	**1190**			**124**	**246**	**266**
AGH_502A	**1519**	**1519**	**1519**			**200**	**426**	**460**
AGH_502B	**1831**	**1831**	**1831**			**224**	**446**	**482**
AGH_502C	**2048**	**2048**	**2048**			**248**	**492**	**532**
AGH_503A	**2241**	**2241**	**2241**			**300**	**639**	**690**
AGH_503B	**2670**	**2670**	**2670**			**336**	**669**	**723**
AGH_503C	**3015**	**3015**	**3015**			**372**	**738**	**798**
AGH_504B	**3557**	**3557**	**3557**			**448**	**892**	**964**
AGH_504C	**3921**	**3921**	**3921**			**496**	**984**	**1064**
Ø 630 (400V/3Ph - 50 Hz)								
AGH_631A	**1489**	**1489**	**1489**	**1489**		**123**	**429**	**491**
AGH_631B	**1724**	**1724**	**1724**	**1724**		**143**	**501**	**572**
AGH_631C	**1939**	**1939**	**1939**			**160**	**559**	**639**
AGH_632A	**2284**	**2284**	**2284**	**2284**		**246**	**858**	**982**
AGH_632B	**2648**	**2648**	**2648**	**2648**		**286**	**1002**	**1144**
AGH_632C	**2944**	**2944**	**2944**			**320**	**1118**	**1278**
AGH_633A	**3399**	**3399**	**3399**	**3399**		**369**	**1287**	**1473**
AGH_633B	**3956**	**3956**	**3956**	**3956**		**429**	**1503**	**1716**
AGH_633C	**4389**	**4389**	**4389**			**480**	**1677**	**1917**
AGH_634A	**4456**	**4456**	**4456**	**4456**		**492**	**1716**	**1964**
AGH_634B	**5219**	**5219**	**5219**	**5219**		**572**	**2004**	**2288**
AGH_634C	**5815**	**5815**	**5815**			**640**	**2236**	**2556**

Accessories and options

Electrical options			
Model	RCPL		
	SW	EMC	CB
401	**121**		**147**
402	**243**		**200**
403	**363**		**258**
501	**121**	**165**	**175**
502	**243**	**330**	**251**
503	**363**	**495**	**346**
504	**485**	**660**	**472**
631	**121**	**165**	**198**
632	**242**	**330**	**282**
633	**363**	**495**	**357**
634	**484**	**660**	**522**
635	**605**	**825**	**630**
636	**726**	**990**	**780**

The price option is intended for single unit.

SW: Local safety switch **EMC**: Local safety switch EMC **CB**: Terminal box

Fan motors									
Axial fan		Code number				RCPL			
		S	L	Q	R	S	L	Q	R
Ø 400	230V/1ph/50Hz	41101290	41101396			NEP	NEP		
	230V/1ph/60Hz	41101290	41101348			NEP	NEP		
	400V/3ph/50Hz	41101152	41101152			NEP	NEP		
	400V/3ph/60Hz	41101152	41101152			NEP	NEP		
Ø 500	230V/1ph/50Hz	41101366	41101367	41101368		NEP	NEP	NEP	
	230V/1ph/60Hz	41101366	41101367	41101368		NEP	NEP	NEP	
	400V/3ph/50Hz	41101363	41101364	41101365		NEP	NEP	NEP	
	400V/3ph/60Hz	41101371	41101364	41101365		**47**	NEP	NEP	
Ø 630	230V/1ph/50Hz		41101404	41101405			NEP	NEP	
	230V/1ph/60Hz			41101405			NEP	NEP	
	400V/3ph/50Hz	41101400	41101401	41101402	41101403	NEP	NEP	NEP	NEP
	400V/3ph/60Hz		41101401		41101403		NEP		NEP

EC technology fans		Code number				RCPL	
		S	L	Q	R	EC fan to max speed, not wiring, not setting	EC fan wiring and setting
Ø 500	380-460V/3/50-60Hz	41101398			—	**840**	**975**
Ø 630	380-460V/3/50-60Hz	NA	41101407			**685**	**825**
Pressure sensor - Translator (0-10V) for 30bar		41003168				**170**	
Pressure sensor - Translator (0-10V) for 50bar		41003169				**170**	

Always specify type unit programming required
Extra price for each fan.

NA = Not Available CB: terminal box. N.E.P.: no extra price

Support kit options					
Model	Feet			Vibration dampers	
	Code	H	RCPL	Code	RCPL
401	10999017	350 mm	**97**	10999345	**149**
402	10999017	350 mm	**97**	10999345	**149**
403	10999017	350 mm	**97**	10999345	**149**
501	10999364	420 mm	**126**	10999345	**149**
502	10999364	420 mm	**126**	10999345	**149**
503	10999364	420 mm	**126**	10999345	**149**
504	10999365	420 mm	**177**	10999346	**364**
631	10999461	500 mm	**108**	10999345	**149**
632	10999461	500 mm	**108**	10999345	**149**
633	10999461	500 mm	**108**	10999345	**149**
634	10999462	500 mm	**162**	10999346	**364**
635	10999463	500 mm	**216**	10999347	**486**
636	10999463	500 mm	**216**	10999347	**486**

The price option is intended for single unit.

General description

Specifications	
Series	BCM, BNM: Single fan row
Coil material	BC: Cu tubes and Al fins
	BN: SS tubes and Al fins
Type	Condenser
Fan diameter	Ø630, Ø800, Ø910, Ø1000
Size	Ø630: 1-4 sfm, Ø630L: 1-3 sfm, Ø800: 1-5 sfm, Ø910: 1-4 sfm, Ø1000: 1-4 sfm
Noise level	T (910), S (630, 630L, 800, 910), L/Q/R (630, 630L, 800, 910, 1000)
Std Power supply	3/400 V - 50Hz
	H: vertical air flow
	V: horizontal air flow
Options	Multi-circuiting
	Sub-cooling circuit
	Coil corrosion protection: Coil coating, and fins seawater resistant aluminium alloy 57S/5052
	EC technology fans
	Special fan motors: 480/3/60 (IP54), protection class IP55, high-temperature motors, explosion proof motors
	Electrical options: isolating switch, motors wired to a common terminal box, switchboard (IP55), EMC approved components, fan step control, fan speed control, frequency control
	Vibration dampers

sfm: single fan motor

Application

The AlfaBlue Condenser can be used in refrigeration and air conditioning equipment

Capacity

Nominal capacity according to standard ENV 327: 15-437 kW.
Nominal capacity for Ammonia Condenser ENV 327: 20-545 kW.

Frame and casework

Frame construction provides high rigidity for protection against vibration and thermal expansion.
Casing and framework of corrosion resistant pregalvanized sheet steel (corrosion resistance class C4), epoxy coated white RAL 9002 on both sides. Separated fan sections.

Heat exchangers

An innovative coil design provides excellent heat transfer at minimal refrigerant charge. Depending on the application, condensers are fitted with cross-fin copper or smooth stainless steel tubing. Available with two Alu-fin types:
Turbo fins for maximized capacity
Industrial power fins for long lasting performance
Available in different fin thicknesses and fin spacings.
For Ammonia AlfaBlue, the innovative heat exchanger gives excellent heat transfer performance, thanks to the new fins pattern and surface corrugation, developed by Alfa Laval, combined with stainless steel tubes.

Fan motors

Available in four fan diameters (630, 800, 910 & 1000 mm) and five noise levels, power supply 400/50/3.
Motors with external rotor, protection class IP 54 according to DIN 40050. Integrated thermo contacts provide reliable protection against thermal overload. EC fan motors available.

Certification

The Alfa Laval quality system is in accordance with ISO 9001.
All products are manufactured to CE rules.
All series of air cooled condensers for HFC have performance certified by Eurovent "Certify All".

Selection & Prices

Complete air cooler selection and all prices may to be performed with our AlfaSelect Air Software.
In case of inconsistency of data between this book and selection software, please refer always to the last one.

Prices

T, S, L, Q, R Standard Noise Level Fan Motor: 400V/3ph - 50Hz for diameter 630, 800, 910 and 1000 mm.
V: Basic Unit Vertical Transport . The model is delivered: completely assembled, in vertical Position (air flow is horizontal), on a pallet, protected by a plastic film, ex-works factory.
The AlfaBlue Condensers includes: the coil, manifolds, fan motors, caseworks. Wiring has to be done by customer cabling all fans; this can be avoid adding the electrical components (see the ACCESSORIES page).
H: Basic Unit Horizontal Transport. This version is ready to be installed in horizontal position (air flow is vertical) with the support feet mounted (H = 500 mm). Wiring has to be done by customer cabling all fans; this can be avoid adding the electrical components (see the ACCESSORIES page).

Coil options

- EP : epoxy coated aluminium fins .
- T: Thermoguard (Industrial or sea coast applications).
- SWR: sea water resistant (Industrial or sea coast applications).
- IF: Industrial fin
- CU: Copper fin.

Condenser															
Series	T		S		L		Q		R		Coil options Extra price				
Position	V	H	V	H	V	H	V	H	V	H	EP	T	SWR	IF	CU
Ø 630 (400V/3Ph - 50 Hz)															
BCM_631A	-	-	2630	3207	2417	2994	2397	2975	2397	2975	190	399	165	83	1329
BCM_631B	-	-	2852	3430	2638	3217	2619	3197	2619	3197	209	505	183	91	1461
BCM_631C	-	-	3093	3671	2880	3458	2861	3439	2861	3439	230	569	189	99	1607
BCM_632A	-	-	4246	4785	3820	4359	3780	4319	3784	4322	380	798	330	165	2658
BCM_632B	-	-	4819	5358	4394	4933	4354	4893	4356	4894	418	1010	366	183	2922
BCM_632C	-	-	5232	5771	4807	5346	4767	5306	4768	5307	460	1138	378	198	3214
BCM_633A	-	-	5799	6293	5159	5653	5100	5594	5105	5599	570	1197	495	248	3987
BCM_633B	-	-	6568	7063	5929	6424	5871	6365	5873	6367	627	1515	549	274	4383
BCM_633C	-	-	7121	7616	6482	6978	6424	6918	6426	6920	690	1707	567	298	4821
BCM_634A	-	-	7623	8443	6772	7592	6693	7514	6697	7516	760	1596	660	330	5316
BCM_634B	-	-	8251	9070	7400	8219	7321	8140	7324	8144	836	2020	732	366	5844
BCM_634C	-	-	8942	9761	8091	8911	8012	8832	8014	8835	920	2276	756	397	6428
630 Long (400V/3Ph - 50 Hz)															
BCM_631AL	-	-	2869	3441	2656	3228	2636	3208	2638	3210	190	399	165	83	1329
BCM_631BL	-	-	3142	3714	2930	3501	2910	3482	2911	3482	209	505	183	91	1461
BCM_631CL	-	-	3410	3982	3198	3769	3178	3749	3179	3750	230	569	189	99	1607
BCM_632AL	-	-	4747	5266	4320	4839	4281	4800	4284	4803	380	798	330	165	2658
BCM_632BL	-	-	5452	5971	5026	5545	4987	5506	4988	5508	418	1010	366	183	2922
BCM_632CL	-	-	5929	6449	5504	6024	5464	5984	5466	5985	460	1138	378	198	3214
BCM_633AL	-	-	6821	7306	6183	6667	6124	6608	6127	6610	570	1197	495	248	3987
BCM_633BL	-	-	7403	7886	6764	7249	6704	7190	6706	7192	627	1515	549	274	4383
BCM_633CL	-	-	8043	8528	7406	7889	7347	7831	7349	7833	690	1707	567	298	4821
Ø 800 (400V/3Ph - 50 Hz)															
BCM_801A	-	-	3680	4235	3620	4175	3600	4155	3645	4198	290	608	240	120	2027
BCM_801B	-	-	4011	4565	3952	4505	3931	4486	3976	4529	318	674	264	132	2222
BCM_801C	-	-	4404	4958	4344	4898	4325	4879	4368	4922	351	742	293	147	2456
BCM_802A	-	-	6176	6681	6056	6561	6016	6522	6105	6610	579	1216	479	240	4055
BCM_802B	-	-	6729	7233	6609	7114	6570	7074	6658	7162	635	1348	528	264	4444
BCM_802C	-	-	7740	8245	7620	8126	7581	8086	7669	8174	701	1483	586	293	4912
BCM_803A	-	-	9082	9512	8903	9331	8844	9273	8976	9404	869	1824	719	360	6082
BCM_803B	-	-	9964	10393	9785	10213	9726	10155	9858	10286	953	2022	793	396	6666
BCM_803C	-	-	10650	11078	10471	10898	10410	10840	10542	10971	1052	2225	880	440	7368
BCM_804A	-	-	11774	12495	11534	12254	11456	12176	11631	12352	1158	2432	959	479	8109
BCM_804B	-	-	13157	13878	12917	13638	12838	13558	13014	13734	1270	2696	1057	528	8888
BCM_804C	-	-	14741	15462	14502	15222	14423	15143	14598	15319	1403	2967	1173	586	9824
BCM_805A	-	-	14226	15175	13928	14875	13829	14777	14048	14997	1448	3040	1199	599	10137
BCM_805B	-	-	15923	16663	15624	16343	15525	16525	15746	16745	1588	3369	1321	660	11110
BCM_805C	-	-	17759	18758	17460	18459	17361	18360	17581	18581	1754	3708	1466	733	12280

T, S, L, Q, R Standard noise level fan motor.
V: Basic unit vertical transport .
H: Basic unit horizontal transport.

Coil options

- EP : epoxy coated aluminium fins .
- T: Thermoguard (Industrial or sea coast applications).
- SWR: sea water resistant (Industrial or sea coast applications).
- IF: Industrial fin
- CU: Copper fin.

Condenser																
Series	T		S		L		Q		R			Coil options Extra price				
Position	V	H	V	H	V	H	V	H	V	H		EP	T	SWR	IF	CU
Ø 910 (400V/3Ph - 50 Hz)																
BCM_901A	4280	4825	3910	4455	3888	4434	3892	4437	3908	4452		290	608	240	120	2027
BCM_901B	4648	5193	4279	4822	4256	4802	4260	4805	4276	4820		318	674	264	132	2222
BCM_901C	5336	5880	4967	5511	4945	5489	4948	5492	4965	5509		351	742	293	147	2456
BCM_902A	7358	7827	6620	7089	6575	7044	6582	7051	6614	7083		579	1216	479	240	4055
BCM_902B	8372	8841	7633	8103	7589	8058	7595	8065	7628	8097		635	1348	528	264	4444
BCM_902C	9173	9642	8433	8903	8390	8859	8396	8866	8429	8898		701	1483	586	293	4912
BCM_903A	11170	11567	10061	10458	9995	10393	10006	10403	10055	10452		869	1824	719	360	6082
BCM_903B	12361	12759	11253	11650	11187	11585	11198	11595	11246	11643		953	2022	793	396	6666
BCM_903C	13096	13493	11988	12385	11922	12319	11932	12329	11981	12378		1052	2225	880	440	7368
BCM_904A	14324	15004	12846	13526	12759	13438	12772	13452	12837	13517		1158	2432	959	479	8109
BCM_904B	15690	16371	14213	14893	14124	14804	14139	14818	14203	14883		1270	2696	1057	528	8888
BCM_904C	17544	18224	16066	16746	15979	16659	15992	16672	16057	16737		1403	2967	1173	586	9824
Ø 1000 (400V/3Ph - 50 Hz)																
BCM_1001A	-	-	-	-	4746	5290	4088	4632	4055	4601		290	608	240	120	2027
BCM_1001B	-	-	-	-	5114	5659	4456	5000	4423	4969		318	674	264	132	2222
BCM_1001C	-	-	-	-	5802	6347	5145	5689	5112	5657		351	742	293	147	2456
BCM_1002A	-	-	-	-	8288	8757	6972	7441	6908	7377		579	1216	479	240	4055
BCM_1002B	-	-	-	-	9302	9771	7986	8455	7922	8391		635	1348	528	264	4444
BCM_1002C	-	-	-	-	10103	10572	8787	9257	8722	9192		701	1483	586	293	4912
BCM_1003A	-	-	-	-	12588	12985	10614	11010	10518	10915		869	1824	719	360	6082
BCM_1003B	-	-	-	-	13766	14164	11794	12191	11697	12094		953	2022	793	396	6666
BCM_1003C	-	-	-	-	14511	14908	12538	12936	12443	12840		1052	2225	880	440	7368
BCM_1004A	-	-	-	-	16183	16864	13552	14231	13423	14103		1158	2432	959	479	8109
BCM_1004B	-	-	-	-	17550	18230	14918	15598	14790	15470		1270	2696	1057	528	8888
BCM_1004C	-	-	-	-	19401	20081	16770	17450	16642	17322		1403	2967	1173	586	9824

General description

Specifications	
Series	BCD, BND: Double fan row
Coil material	BC: Cu tubes and Al fins
	BN: SS tubes and Al fins
Type	Condenser
Fan diameter	Ø800, Ø910, Ø1000
Size	Ø800: 2-6 dfm, Ø910: 2-5 dfm, Ø1000: 2-5 dfm
Noise level	T (910), S (800, 910), L/Q/R (800, 910, 1000)
Std Power supply	3/400 V - 50Hz
Mounting position (Only BC)	H: vertical air flow
	V: horizontal air flow
Options	Multi-circuiting
	Sub-cooling circuit
	Coil corrosion protection: coil coating, and fins seawater resistant aluminium alloy 57S/5052
	EC technology fans
	Special fan motors: 480/3/60 (IP54), protection class IP55, high-temperature motors, explosion proof motors
	Electrical options: isolating switch, motors wired to a common terminal box, switchboard (IP55), EMC approved components, fan step control, fan speed control, frequency control, inverter equipment
	Vibration dampers
	Spray water

dfm: double fan motor

Application

The AlfaBlue Condenser can be used in refrigeration and air conditioning equipment.

Capacity

Nominal capacity according to standard ENV 327: 123-940 kW.
Nominal capacity for Ammonia Condenser ENV 327: 110-1220 kW.

Frame and casework

Frame construction provides high rigidity for protection against vibration and thermal expansion.
Casing and framework of corrosion resistant pregalvanized sheet steel (corrosion resistance class C4), epoxy coated white RAL 9002 on both sides. Separated fan sections.

Heat exchangers

An innovative coil design provides excellent heat transfer at minimal refrigerant charge. Depending on the application, condensers are fitted with cross-fin copper or smooth stainless steel tubing. Available with two Alu-fin types:
Turbo fins for maximized capacity
Industrial power fins for long lasting performance
Available in different fin thicknesses and fin spacings.
Separate connections in the D series provide the opportunity for independent operation of both condenser coils.
For Ammonia AlfaBlue, the innovative heat exchanger gives excellent heat transfer performance, thanks to the new fins pattern and surface corrugation, developed by Alfa Laval, combined with stainless steel tubes.

Fan motors

Available in three fan diameters (800, 910 & 1000 mm) and five noise levels, power supply 400/50/3.
Motors with external rotor, protection class IP 54 according to DIN 40050. Integrated thermo contacts provide reliable protection against thermal overload. EC fan motors available.

Certification

The Alfa Laval quality system is in accordance with ISO 9001.
All products are manufactured to CE rules.
All series of air cooled condensers for HFC have performance certified by Eurovent "Certify All".

Selection & Prices

Complete air cooler selection and all prices may to be performed with our AlfaSelect Air Software.
In case of inconsistency of data between this book and selection software, please refer always to the last one.

Prices

T, S, L, Q, R Standard Noise Level Fan Motor: 400V/3Ph - 50Hz.
V: Basic Unit Vertical Transport . The model is delivered: completely assembled, in vertical position (air flow is horizontal), on a pallet, protected by a plastic film, ex-works factory.
The AlfaBlue Condensers includes: the coil, manifolds, fan motors, caseworks. Wiring has to be done by customer cabling all fans; this can be avoid adding the electrical components (see the ACCESSORIES page).
H: Basic Unit Horizontal Transport.This version is ready to be installed in horizontal position (air flow is vertical) with the support feet mounted (H = 500 mm). Wiring has to be done by customer cabling all fans; this can be avoid adding the electrical components (see the ACCESSORIES page).

Coil options

- EP : epoxy coated aluminium fins .
- T: Thermoguard (Industrial or sea coast applications).
- SWR: sea water resistant (Industrial or sea coast applications).
- IF: Industrial fin
- CU: Copper fin.

Condenser																
Series	T		S		L		Q		R			Coil options Extra price				
Position	V	H	V	H	V	H	V	H	V	H		EP	T	SWR	IF	CU
Ø 800 (400V/3Ph - 50 Hz)																
BCD_802A	-	-	10291	10844	10052	10605	9973	10526	10148	10703		928	2786	754	378	6498
BCD_802B	-	-	11477	12032	11238	11792	11159	11714	11335	11888		1050	3230	848	424	7350
BCD_802C	-	-	12670	13224	12430	12984	12352	12905	12528	13082		1162	3670	924	462	8130
BCD_803A	-	-	14659	15169	14300	14810	14181	14692	14446	14955		1392	4178	1132	566	9746
BCD_803B	-	-	16670	17181	16311	16821	16193	16703	16457	16967		1575	4845	1271	636	11026
BCD_803C	-	-	18167	18676	17808	18316	17689	18199	17952	18463		1742	5506	1387	693	12194
BCD_804A	-	-	19358	20180	18878	19701	18721	19544	19074	19896		1856	5571	1510	755	12995
BCD_804B	-	-	21799	22623	21320	22143	21163	21987	21514	22338		2100	6460	1695	847	14701
BCD_804C	-	-	24060	24883	23581	24404	23424	24247	23774	24599		2323	7342	1849	925	16259
BCD_805A	-	-	24454	25582	23854	24983	23658	24786	24097	25226		2320	6963	1887	944	16243
BCD_805B	-	-	27141	28268	26541	27670	26345	27474	26784	27913		2625	8075	2118	1059	18376
BCD_805C	-	-	29741	30868	29141	30270	28945	30074	29384	30513		2904	9177	2311	1156	20324
BCD_806A	-	-	28629	29774	27910	29056	27675	28819	28203	29347		2784	8356	2265	1132	19492
BCD_806B	-	-	32197	33342	31478	32623	31243	32388	31770	32915		3150	9690	2542	1271	22051
BCD_806C	-	-	34165	35310	33447	34591	33210	34356	33739	34884		3484	11013	2774	1387	24389
Ø 910 (400V/3Ph - 50 Hz)																
BCD_902A	12365	12906	10887	11429	10799	11341	10813	11355	10877	11419		928	2786	754	378	6498
BCD_902B	13771	14312	12293	12835	12204	12746	12218	12761	12283	12825		1050	3230	848	424	7350
BCD_902C	15146	15687	13668	14210	13579	14121	13593	14136	13658	14200		1162	3670	924	462	8130
BCD_903A	17249	17744	15032	15527	14901	15395	14921	15417	15019	15513		1392	4178	1132	566	9746
BCD_903B	19356	19850	17139	17633	17008	17502	17028	17523	17126	17620		1575	4845	1271	636	11026
BCD_903C	21115	21609	18898	19393	18767	19261	18787	19283	18884	19378		1742	5506	1387	693	12194
BCD_904A	23072	23882	20117	20927	19941	20750	19968	20778	20098	20907		1856	5571	1510	755	12995
BCD_904B	25843	26653	22887	23696	22710	23520	22740	23549	22869	23678		2100	6460	1695	847	14701
BCD_904C	28629	29438	25672	26482	25497	26306	25525	26335	25655	26464		2323	7342	1849	925	16259
BCD_905A	29138	30250	25444	26555	25224	26336	25257	26370	25420	26532		2320	6963	1887	944	16243
BCD_905B	31955	33068	28261	29373	28042	29153	28075	29188	28237	29350		2625	8075	2118	1059	18376
BCD_905C	35699	36812	32004	33116	31784	32896	31819	32932	31981	33094		2904	9177	2311	1156	20324
Ø 1000 (400V/3Ph - 50 Hz)																
BCD_1002A	-	-	-	-	14215	14757	11582	12125	11455	11996		928	2786	754	378	6498
BCD_1002B	-	-	-	-	15619	16161	12985	13528	12856	13399		1050	3230	848	424	7350
BCD_1002C	-	-	-	-	16995	17539	14363	14905	14234	14777		1162	3670	924	462	8130
BCD_1003A	-	-	-	-	20020	20515	16072	16566	15879	16375		1392	4178	1132	566	9746
BCD_1003B	-	-	-	-	22127	22622	18179	18673	17986	18482		1575	4845	1271	636	11026
BCD_1003C	-	-	-	-	23886	24381	19938	20432	19744	20239		1742	5506	1387	693	12194
BCD_1004A	-	-	-	-	26769	27578	21504	22313	21247	22056		1856	5571	1510	755	12995
BCD_1004B	-	-	-	-	29539	30348	24276	25085	24018	24827		2100	6460	1695	847	14701
BCD_1004C	-	-	-	-	32325	33134	27061	27871	26803	27613		2323	7342	1849	925	16259
BCD_1005A	-	-	-	-	33759	34872	27179	28291	26857	30788		2320	6963	1887	944	16243
BCD_1005B	-	-	-	-	36577	37690	29997	31110	29675	30788		2625	8075	2118	1059	18376
BCD_1005C	-	-	-	-	40321	41434	33741	34854	33419	34532		2904	9177	2311	1156	20324

Accessories and options

Model	Electrical options													
	RCPL													
	SW	EMC	CB	Switch board										
				B	BS	BP	BSP	BFP			BSFP			BEC
								T	S	L	T	S	L	
BCM														
631	**121**	**165**	**265**	**2031**	**2294**	**2657**	**2889**	-	**3245**	**3245**	-	**3476**	**3476**	**1237**
632	**243**	**330**	**332**	**2031**	**2294**	**2657**	**2889**	-	**3453**	**3453**	-	**3685**	**3685**	**1266**
633	**363**	**496**	**649**	**2220**	**2813**	**2846**	**3109**	-	**3669**	**3669**	-	**3965**	**3965**	**1298**
634	**485**	**661**	**909**	**3027**	**3390**	**3719**	**3982**	-	**3252**	**4489**	-	**3614**	**4852**	**1332**
631L	**121**	**165**	**265**	**2031**	**2294**	**2657**	**2889**	-	**3245**	**3245**	-	**3476**	**3476**	**1237**
632L	**243**	**330**	**332**	**2031**	**2294**	**2657**	**2889**	-	**3453**	**3453**	-	**3685**	**3685**	**1266**
633L	**363**	**496**	**649**	**2220**	**2813**	**2846**	**3109**	-	**3669**	**3669**	-	**3965**	**3965**	**1298**
801	**121**	**165**	**328**	**1827**	**2057**	**2449**	**2647**	-	**3252**	**3252**	-	**3449**	**3449**	**1237**
802	**243**	**330**	**536**	**2035**	**2298**	**2657**	**2889**	-	**3478**	**3478**	-	**3710**	**3710**	**1266**
803	**363**	**496**	**647**	**2228**	**2822**	**2847**	**3110**	-	**3740**	**3708**	-	**4037**	**4004**	**1298**
804	**485**	**661**	**932**	**3044**	**3406**	**3721**	**3985**	-	**4579**	**4545**	-	**4941**	**4908**	**1332**
805	**606**	**826**	**1029**	**3272**	**3700**	**3930**	**4228**	-	**5035**	**4832**	-	**5430**	**5228**	**1358**
901	**121**	**165**	**338**	**1827**	**2057**	**2454**	**2651**	**3257**	**3257**	**3257**	**3454**	**3454**	**3454**	**1237**
902	**243**	**330**	**520**	**2035**	**2298**	**2661**	**2892**	**3520**	**3487**	**3487**	**3751**	**3717**	**3717**	**1266**
903	**363**	**496**	**647**	**2228**	**2822**	**2855**	**3118**	**4302**	**3765**	**3731**	**4597**	**4060**	**4028**	**1298**
904	**485**	**661**	**932**	**3044**	**3406**	**3736**	**4000**	**5246**	**4610**	**4579**	**5610**	**4974**	**4941**	**1332**
1001	**121**	**165**	**338**	**1827**	**2057**	**2454**	**2651**	-	-	**3257**	-	-	**3454**	**1237**
1002	**243**	**330**	**520**	**2035**	**2298**	**2661**	**2892**	-	-	**3487**	-	-	**3717**	**1266**
1003	**363**	**496**	**647**	**2228**	**2822**	**2855**	**3118**	-	-	**3765**	-	-	**4060**	**1298**
1004	**485**	**661**	**932**	**3044**	**3406**	**3736**	**4000**	-	-	**4814**	-	-	**5177**	**1332**
BCD														
802	**485**	**661**	**1094**	**2586**	**2850**	**3213**	**3443**	-	**4773**	**4358**	-	**5003**	**4589**	**1266**
803	**727**	**991**	**1476**	**2794**	**3387**	**3420**	**3684**	-	**5169**	**4632**	-	**5466**	**4930**	**1332**
804	**969**	**1322**	**2047**	**3649**	**4012**	**4342**	**4605**	-	**6308**	**5876**	-	**6671**	**6239**	**1428**
805	**1212**	**1652**	**2359**	**3982**	**4412**	**4643**	**4906**	-	**6867**	**6768**	-	**7327**	**7230**	**1514**
806	**1455**	**1983**	**1769**	**4358**	**4643**	**4775**	**5038**	-	**5691**	**6825**	-	**6251**	**7383**	**1604**
902	**485**	**661**	**1133**	**2591**	**2855**	**3218**	**3449**	**4760**	**4695**	**4304**	**4991**	**4925**	**4535**	**1266**
903	**727**	**991**	**1534**	**2799**	**3392**	**3426**	**3689**	**4122**	**5232**	**4695**	**4418**	**5528**	**4991**	**1332**
904	**969**	**1322**	**1943**	**3664**	**4026**	**4356**	**4619**	**5235**	**6299**	**5965**	**5597**	**6662**	**6329**	**1428**
905	**1212**	**1652**	**2392**	**4006**	**4436**	**4665**	**4930**	**5183**	**6393**	**6294**	**5646**	**6853**	**6755**	**1514**
1002	**485**	**661**	**1133**	**2593**	**2856**	**3218**	**3449**	-	-	**4572**	-	-	**4803**	**1266**
1003	**727**	**991**	**1432**	**2802**	**3395**	**3429**	**3692**	-	-	**5232**	-	-	**5528**	**1332**
1004	**969**	**1322**	**1943**	**3664**	**4026**	**4356**	**4619**	-	-	**6397**	-	-	**6761**	**1428**
1005	**1212**	**1652**	**2392**	**4006**	**4435**	**4665**	**4930**	-	-	**5333**	-	-	**5796**	**1514**

The price option is intended for single unit.

For all these option the equipment is cabled to the electric motors terminal box.
Noise Level: T, S, L, Q, R

SW: Local safety switch
EMC: Local safety switch EMC
CB: Terminal box
B: Basic switch board
BS: Basic Switch Board +Signal
BP: Basic switch board + fan step control press.
BSP: Basic switch board + signal + fan step control press.
BFP: Basic switch board + fan speed control press. C option included
BSFP: Basic switch board + signal + fan speed control press.C option included
BEC: Basic switch board for EC motor cabled

Switch board options	
Option to be added to the switch board.	**All models**
R Anti-condensate resistor 230Vac (Max operating temperature -25°C)	**271**
C Cooling fan 230Vac (max. operating temperature + 50°C)	**303**
F Cooling fan + Anti-condensate resistor (operating temperature -25 + 50°C)	**574**

Model	RCPL									
	BI					BIC				
	T	S	L	Q	R	T	S	L	Q	R
BCM										
631	-	-	-	-	-	-	-	-	-	-
632	-	-	-	-	-	-	-	-	-	-
633	-	**4176**	**3069**	**3069**	**3069**	-	-	-	-	-
634	-	**4617**	**3474**	**3325**	**3325**	-	-	-	-	-
631L	-	-	-	-	-	-	-	-	-	-
632L	-	-	-	-	-	-	-	-	-	-
633L	-	**4192**	**3086**	**3086**	**3086**	-	-	-	-	-
801	-	-	-	-	-	-	-	-	-	-
802	-	-	-	-	-	-	-	-	-	-
803	-	**4009**	**3251**	**3102**	**3102**	-	-	-	-	-
804	-	**4486**	**4286**	**3528**	**3379**	-	-	-	-	-
805	-	**5151**	**4766**	**4008**	**3859**	-	-	-	-	-
901	-	-	-	-	-	-	-	-	-	-
902	-	-	-	-	-	-	-	-	-	-
903	**4410**	**4025**	**3267**	**3118**	**3118**	-	-	-	-	-
904	**6144**	**4513**	**4314**	**3407**	**3407**	-	-	-	-	-
1001	-	-	-	-	-	-	-	-	-	-
1002	-	-	-	-	-	-	-	-	-	-
1003	-	-	**4025**	**3267**	**3118**	-	-	-	-	-
1004	-	-	**4513**	**3556**	**3556**	-	-	-	-	-
BCD										
802	-	**4443**	**4243**	**3486**	**3336**	-	**4507**	**4244**	**4122**	**4122**
803	-	**6546**	**5167**	**4209**	**4060**	-	**5478**	**5065**	**4683**	**4561**
804	-	**7324**	**5842**	**5457**	**4699**	-	**6324**	**5738**	**5421**	**5035**
805	-	**7702**	**6984**	**5406**	**4647**	-	**7324**	**6456**	**6043**	**5661**
806	-	-	**7077**	**5446**	**4489**	-	**9514**	**7376**	**6790**	**6402**
902	**6095**	**4465**	**4265**	**3357**	**3357**	**4865**	**4461**	**4146**	**4146**	**4146**
903	-	**5385**	**5000**	**4242**	**4242**	**6432**	**5317**	**5000**	**4614**	**4614**
904	-	**7378**	**5711**	**4753**	**4753**	**8590**	**6413**	**5827**	**5247**	**5247**
905	-	**7778**	**5866**	**5482**	**4723**	**9734**	**7450**	**6582**	**5979**	**5786**
1002	-	-	**4465**	**3506**	**3506**	-	-	**4532**	**4146**	**4146**
1003	-	-	**6780**	**5000**	**5000**	-	-	**5532**	**5000**	**4737**
1004	-	-	**7892**	**5711**	**5511**	-	-	**6413**	**5827**	**5510**
1005	-	-	-	**5866**	**5682**	-	-	**7450**	**6582**	**6169**

The price option is intended for single unit.

BI Inverter equipment + switchboard by Ziehl-Abegg with integrated Sinus Filter (shielded cable not required).
Operating temperature range: -20/+55°C (the equipment have to be always powered).

BIC Electrical Cabinet with Inverter equipment by ABB. Shielded cable included.
Operating temperature range: -25/+55°C (the equipment have to be always powered).
With BIC is possible to install only EMC.

BI/BIC Options	
Option to be added to the switch board.	**All models**
R Anti-condensate resistor 230Vac (Max operating temperature -25°C)	**271**
C Cooling fan 230Vac (max. operating temperature + 50°C)	Already included

Fan motors											
Axial fan	Model	Code number					RCPL				
		T	S	L	Q	R	T	S	L	Q	R
Fan motor 230V/1ph - 50/60 Hz, IP54. **Extra price for each fan.**	Ø 630 (50 Hz)	-	-	41101301	41101303	-	-	-	NEP	NEP	-
	Ø 630 (60 Hz)	-	-	41101266	41101303	-	-	-	**314**	NEP	-
		T	**S**	**L**	**Q**	**R**	**T**	**S**	**L**	**Q**	**R**
Fan motor 400V/3ph-60 Hz, IP54, 460V/3ph-60 Hz, IP54, **Extra price for each fan.**	Ø 630	-	41101163	41101263	41101264	41101265	-	**162**	**32**	**51**	**114**
	Ø 800	-	41103044	41103045	41103048	41101306	-	**435**	NEP	NEP	NEP
	Ø 910	41101299	41101270	41101268	41101269	41101310	NEP	**208**	**288**	**201**	NEP
	Ø 1000	-	-	-	41101271	41101272	-	-	-	NEP	NEP
N.E.P: no extra price											
Explosion-proof fan motor											
On request											

EC technology fans(Etavent)	Model	Code number					RCPL									
							EC fan to max speed, not wiring, not setting					EC fan wiring and setting				
		T	S	L	Q	R	T	S	L	Q	R	T	S	L	Q	R
380-460V/3/50-60Hz **Extra price for each fan**	Ø 630	—	41103030	41101336				**698**	**850**	**860**	**860**		**872**	**1062**	**1074**	**1074**
	Ø 630L	—	41103030	41101336				**698**	**850**	**860**	**860**		**872**	**1062**	**1074**	**1074**
	Ø 800	—	41103032	41101324				**856**	**848**	**857**	**836**		**1070**	**1060**	**1071**	**1045**
	Ø 910	NA	41103031	41101334			**584**	**754**	**765**	**762**	**755**	**730**	**942**	**956**	**953**	**944**
	Ø 1000	—	—	41101337					**529**	**872**	**851**			**661**	**1089**	**1064**

Always specify type unit programming required
N.E.P: no extra price
NA = Not Available
CB: terminal box.

Coil options			
Model	RCPL		
	MC	SC	Spray water
BCM			
631	**55**	**55**	-
632	**55**	**55**	-
633	**55**	**55**	-
634	**55**	**55**	-
631L	**55**	**55**	-
632 L	**55**	**55**	-
633 L	**55**	**55**	-
801	**55**	**55**	-
802	**55**	**55**	-
803	**55**	**55**	-
804	**55**	**55**	-
805	**55**	**55**	-
901	**55**	**55**	-
902	**55**	**55**	-
903	**55**	**55**	-
904	**55**	**55**	-
1001	**55**	**55**	-
1002	**55**	**55**	-
1003	**55**	**55**	-
1004	**55**	**55**	-
BCD			
802	**110**	**110**	**591**
803	**110**	**110**	**884**
804	**110**	**110**	**1153**
805	**110**	**110**	**1440**
806	**110**	**110**	**1558**
902	**110**	**110**	**591**
903	**110**	**110**	**884**
904	**110**	**110**	**1153**
905	**110**	**110**	**1440**
1002	**110**	**110**	**591**
1003	**110**	**110**	**884**
1004	**110**	**110**	**1153**
1005	**110**	**110**	**1440**

The price option is intended for single unit.

MC: multi-circuits (for each additional circuit)
SC: sub-cooling circuit

Spray water: on the unit
N.E.P.: no extra price

Support kit options								
Model	Feet						Vibration dampers	
	H850 mm		H500 mm		A			
	Code	RCPL	Code	RCPL	Code	RCPL	Code	RCPL
BCM								
631	10999206	**481**	10999203	**343**	10999209	**361**	10999345	**149**
632	10999206	**481**	10999203	**343**	10999209	**361**	10999345	**149**
633	10999206	**481**	10999203	**343**	10999209	**361**	10999345	**149**
634	10999207	**694**	10999204	**487**	10999210	**515**	10999346	**364**
631L	10999206	**481**	10999203	**343**	10999209	**361**	10999345	**149**
632 L	10999206	**481**	10999203	**343**	10999209	**361**	10999345	**149**
633 L	10999206	**481**	10999203	**343**	10999209	**361**	10999345	**149**
801	10999206	**481**	10999203	**343**	10999209	**361**	10999345	**149**
802	10999206	**481**	10999203	**343**	10999209	**361**	10999345	**149**
803	10999206	**481**	10999203	**343**	10999209	**361**	10999345	**149**
804	10999207	**694**	10999204	**487**	10999210	**515**	10999346	**364**
805	10999208	**910**	10999205	**632**	10999211	**670**	10999347	**486**
901	10999206	**481**	10999203	**343**	10999209	**361**	10999345	**149**
902	10999206	**481**	10999203	**343**	10999209	**361**	10999345	**149**
903	10999206	**481**	10999203	**343**	10999209	**361**	10999078	**244**
904	10999207	**694**	10999204	**487**	10999210	**515**	10999346	**364**
1001	10999206	**481**	10999203	**343**	10999209	**361**	10999345	**149**
1002	10999206	**481**	10999203	**343**	10999209	**361**	10999345	**149**
1003	10999206	**481**	10999203	**343**	10999209	**361**	10999078	**244**
1004	10999207	**694**	10999204	**487**	10999210	**515**	10999346	**364**
BCD								
802	10999206	**481**	10999203	**343**	10999209	**361**	10999078	**244**
803	10999206	**481**	10999203	**343**	10999209	**361**	10999078	**244**
804	10999207	**694**	10999204	**487**	10999210	**515**	10999079	**364**
805	10999208	**910**	10999205	**632**	10999211	**670**	10999080	**486**
806	10999208	**910**	10999205	**632**	10999211	**670**	10999080	**486**
902	10999206	**481**	10999203	**343**	10999209	**361**	10999078	**244**
903	10999206	**481**	10999203	**343**	10999209	**361**	10999072	**244**
904	10999207	**694**	10999204	**487**	10999210	**515**	10999079	**364**
905	10999208	**910**	10999205	**632**	10999211	**670**	10999080	**486**
1002	10999206	**481**	10999203	**343**	10999209	**361**	10999078	**244**
1003	10999206	**481**	10999203	**343**	10999209	**361**	10999072	**244**
1004	10999207	**694**	10999204	**487**	10999210	**515**	10999079	**364**
1005	10999208	**910**	10999205	**632**	10999211	**670**	10999080	**486**

The price option is intended for single unit.

The vibration dampers are delivered without bolts and nuts.
Kit of support feet:
H: Horizontal position
A : Feet adjustable from 350 to 950 mm

General description

Specifications		
Series	Solar	
Coil material	CA: Cu tubes and Al fins	
	CC: Cu tubes and Al fins	
	Ep: Cu tubes and epoxy coated fins	
Type	L: Condenser	
Size	for 914Ø: 111-153 Single fan row and 221-274 Double fan row	
	for 1240Ø: 221-274 Single fan row	
Special Model	-: standard model	
	E: special model (have to be specify in the order)	
Fan diameter	09: 914 mm	12:1240 mm
Fan speed	06: 950 rpm	12: 470 rpm
	08: 720 rpm	16: 350 rpm
	10: 560 rpm	
Std Power supply	N5: 3/400 V/50Hz (STD)	N7: 3/230 V/50 Hz (not available for 11kW 950rpm fan)
	N6: 3/440 V/60 Hz	NE: special network
Mounting position	H: vertical air flow	V: horizontal air flow
Refrigerant	R404A	
Options	Multi-circuled condenser	Motor heater
	Sub-cooling	Fans wired to power box fitted at condenser
	Step Control	Forced draught
	Stepless fan speed control with Frequency Converter	Spray water
	Motors with thermal overland switched	Vibration dampers
	Special paint for casing	Special operating pressure

Application

Air cooled Solar condensers are designed for commercial, industrial, and air conditioning applications. With a wide range of sound level alternatives these units are particularly suited to demanding, noise sensitive environments.

Capacity

Nominal capacity according to standard ENV 327: 40-1833kW.

Frame and casework

Casing material is hot dip galvanised steel.

Heat exchangers

The heat transfer section is made of copper tubes and aluminium fins. Standard fin spacing is 2.3 mm. Other fin materials and spacings are available as option. The heat transfer section can be multi-circuited or equipped with a sub cooling circuit.

Fan motors

All fans are fitted with squirrel cage motors built to IEC standards.Technical data, standard motors:

- Power supply: 3/400V/50Hz...3/440V/50Hz
- Protection: IP54
- Insulation class: F
- Operating temp.: -35ºC...+60ºC
- Motors are wired to the fans' safety switches (IP65) located near each fan.

For other power supplies and operating temperatures, please contact Alfa Laval Vantaa for a special selection. If required, motors can be supplied fitted with integral thermal overload switches (Klixon type), option reference THC. If required, units can be supplied with factory fitted EMC cables, safety switches and glands to EN61800-3, option reference EMC. Most fans can be supplied with "explosion proof" (EX) motors to special order.

Certification

The Alfa Laval quality system is in accordance with ISO 9001.
All products are manufactured to CE rules.
All series of air cooled condensers for HFC have performance certified by Eurovent "Certify All".

Selection & Prices

Complete air cooler selection may be performed with our FincoilSelect Air Software.

AHE Selection
Fincoil Select

Prices

SCAL	Aluminium fin			Extra price		Epoxy painted casing		Spray water(D)
	Ø 914 mm	Ø 1240 mm	Ø 914 mm	Epoxy coated fins		RAL 7040 (light gray)		
Size	Fin spacing 2,3 and 4 mm		Fin spacing 3 mm	2,3 and 4 mm	3,0 mm	Visible parts	Both sides	
111	4264		4160	440	340	530	890	150
112	4711		4597	590	460	530	890	150
113	5065		4919	760	590	580	990	150
121	7769		7561	890	680	780	1470	230
122	8622		8362	1180	900	780	1470	230
123	9454		9110	1520	1160	880	1660	230
131	10670		10358	1320	1020	1030	2040	310
132	11866		11471	1770	1360	1030	2040	310
133	13135		12615	2280	1750	1180	2330	310
141	13655		13250	1770	1360	1360	2690	400
142	15257		14716	2370	1810	1360	2690	400
143	16879		16193	3040	2330	1550	3080	400
151	16546		16037	2210	1690	1610	3270	490
152	18408		17732	2950	2270	1610	3270	490
153	20550		19656	3800	2910	1860	3750	490
221	14144	16120	13770	1550	1190	1270	2710	400
222	15735	17711	15215	2070	1580	1270	2710	400
223	16692	18668	16110	2410	1860	1370	2940	400
231	19396	22360	18793	2330	1790	1710	3860	610
232	21570	24523	20769	3100	2380	1710	3860	610
233	23005	25958	22090	3620	2780	1870	4190	610
241	24835	28787	24034	3100	2380	2260	5090	840
242	27643	31585	26582	4150	3180	2260	5090	840
243	29567	33519	28340	4830	3700	2450	5530	840
251	30285	35214	29286	3880	2970	2700	6230	1020
252	33706	38646	32386	5180	3970	2700	6230	1020
253	36119	41049	34580	6030	4620	2950	6790	1020
261	35859	41777	34663	4660	3570	3240	7470	1200
262	39915	45843	38345	6210	4760	3240	7470	1200
263	42827	48755	40986	7240	5560	3550	8140	1200
264	46093	52021	43742	9310	7140	3240	7470	1200
265	48516	54444	46134	9310	7140	3240	7470	1200
266	49514	55432	46758	10870	8330	3550	8140	1200
267	52270	58188	49514	10870	8330	3550	8140	1200
271	41298	48204	39905	5440	4170	3700	8610	1400
272	45999	52905	44158	7250	5560	3700	8610	1400
273	52707	59613	49951	10870	8330	3700	8610	1400
274	55494	62400	52738	10870	8330	3700	8610	1400

Subject to changes without prior notice.

Accessories and options

Step Control (SC)		
Fan speed	FLC (Full Load Current)	
	Ø914mm	Ø1240mm
350rpm	1.44A	6.2A
470rpm	2.6A	7.5A
560rpm	2.9A	11A
720rpm	4.9A	16A
950rpm	9.3A	27A

Step Control (SC)			
Rows x Number of fans	Number of steps	Pr	EC
Current / fan: until 6.9A			
1 x 2	2	**2720**	**1160**
1 x 3	3	**3670**	**1510**
1 x 4	4	**4000**	**1860**
1 x 5	5	**5290**	**2200**
1 x 6	6	**6280**	**2690**
1 x 7	7	**6590**	**3110**
2 x 2	2	**3570**	**1840**
2 x 3	3	**4670**	**2630**
2 x 4	4	**5740**	**3380**
2 x 5	5	**7520**	**4340**
2 x 6	6	**8130**	**4980**
2 x 7	7	**8660**	**5360**
Current / fan:7.0A - 9.9A			
1 x 2	2	**2800**	**1220**
1 x 3	3	**3790**	**1590**
1 x 4	4	**4170**	**1990**
1 x 5	5	**5490**	**2370**
1 x 6	6	**6570**	**2890**
1 x 7	7	**6880**	**3350**
2 x 2	2	**3730**	**1940**
2 x 3	3	**4850**	**2780**
2 x 4	4	**5950**	**3570**
2 x 5	5	**7820**	**4600**
2 x 6	6	**8390**	**5270**
2 x 7	7	**9170**	**5720**
Current / fan: 10A-16A			
1 x 2	2	**2940**	**1220**
1 x 3	3	**4000**	**1590**
1 x 4	4	**4380**	**1990**
1 x 5	5	**5780**	**2370**
1 x 6	6	**6880**	**2890**
1 x 7	7	**6570**	**3350**
Current / fan: 17A-27A			
1 x 2	2	**3250**	**1780**
1 x 3	3	**4120**	**2290**
1 x 4	4	**4860**	**3030**
1 x 5	5	**6420**	**3650**
1 x 6	6	**7360**	**4430**
1 x 7	7	**8440**	**5590**
SC-Pr =	Pressure control for condensers		
SC-EC =	External control.		

Subject to changes without prior notice.

Frequency Converter (SCV)											
fan 914 mm	3/400V 50Hz	350 rpm		470 rpm		560 rpm		720 rpm		950 rpm	
Size	fan	SVC	BPA	SVC	BPA	SVC	BPA	SVC	BPA	SVC	BPA
111	1 x 1	3070	440	3070	440	3190	430	3310	440	3380	440
112	1 x 1	3070	440	3070	440	3190	430	3310	440	3380	440
113	1 x 1	3070	440	3070	440	3190	430	3310	440	3380	440
121	1 x 2	3510	440	3630	440	3690	440	3750	440	4070	450
122	1 x 2	3510	440	3630	440	3690	440	3750	440	4070	450
123	1 x 2	3510	440	3630	440	3690	440	3750	440	4070	450
131	1 x 3	3790	440	3740	440	3960	440	4050	440	4550	480
132	1 x 3	3790	440	3740	440	3960	440	4050	440	4550	480
133	1 x 3	3790	440	3740	440	3960	440	4050	440	4550	480
141	1 x 4	4050	440	4030	440	4240	440	4660	450	5170	570
142	1 x 4	4050	440	4030	440	4240	440	4660	450	5170	570
143	1 x 4	4050	440	4030	440	4240	440	4660	450	5170	570
151	1 x 5	4190	440	4380	450	4710	440	4910	450	5800	570
152	1 x 5	4190	440	4380	450	4710	440	4910	480	5800	570
153	1 x 5	4190	440	4380	450	4710	440	4910	480	5800	570
221	2 x 2	4050	440	4030	440	4240	440	4660	450	5170	570
222	2 x 2	4050	440	4030	440	4240	440	4660	450	5170	570
223	2 x 2	4050	440	4030	440	4240	440	4660	450	5170	570
231	2 x 3	4450	440	5060	450	5160	480	5480	480	6770	640
232	2 x 3	4450	440	5060	450	5160	480	5480	480	6770	640
233	2 x 3	4450	440	5060	450	5160	480	5480	480	6770	640
241	2 x 4	5090	440	5910	480	5910	480	6440	560	7320	770
242	2 x 4	5090	440	5910	480	5910	480	6440	560	7320	770
243	2 x 4	5090	440	5910	480	5910	480	6440	560	7320	770
251	2 x 5	5990	460	6440	480	6610	570	7400	570	8290	820
252	2 x 5	5990	460	6440	480	6610	570	7400	570	8290	820
253	2 x 5	5990	460	6440	480	6610	570	7400	570	8290	820
261	2 x 6	6440	450	7210	570	7190	600	8590	770	10380	1060
262	2 x 6	6440	450	7210	570	7190	600	8590	770	10380	1060
263	2 x 6	6440	450	7210	570	7190	600	8590	770	10380	1060
264	2 x 6	6440	450	7210	570	7190	600	8590	770	10380	1060
265	2 x 6	6440	450	7210	570	7190	600	8590	770	10380	1060
266	2 x 6	6440	450	7210	570	7190	600	8590	770	10380	1060
267	2 x 6	6440	450	7210	570	7190	600	8590	770	10380	1060
271	2 x 7	8600	490	9190	550	9670	550	10530	800	16050	2390
272	2 x 7	8600	490	9190	550	9670	550	10530	800	16050	2390
273	2 x 7	8600	490	9190	550	9670	550	10530	800	16050	2390
274	2 x 7	8600	490	9190	550	9670	550	10530	800	16050	2390

BPA = Automatic by-pass

Extra price		
Pressure transmitter (4-20mA)	890	/ pc
Pressure transmitter (1-5V) 2 ccondensation circuit	270	/ pc
Thermal contact protection (THC)	100	/ fan
Safety isolating switch for each fan (Q)	100	/ fan

Subject to changes without prior notice.

Frequency Converter (SCV)											
fan 1240 mm	3/400V 50Hz	350 rpm		470 rpm		560 rpm		720 rpm		950 rpm	
Size	fan	SVC	BPA	SVC	BPA	SVC	BPA	SVC	BPA	SVC	BPA
221	1 x 2	3860	440	4130	450	4310	480	4780	570	6090	660
222	1 x 2	3860	440	4130	450	4310	480	4780	570	6090	660
223	1 x 2	3860	440	4130	450	4310	480	4780	570	6090	660
231	1 x 3	4460	440	4550	480	4960	570	5860	660	6630	1400
232	1 x 3	4460	440	4550	480	4960	570	5860	660	6630	1400
233	1 x 3	4460	440	4550	480	4960	570	5860	660	6630	1400
241	1 x 4	4680	450	5180	570	5590	640	6440	820	8750	1640
242	1 x 4	4680	450	5180	570	5590	640	6440	820	8750	1640
243	1 x 4	4680	450	5180	570	5590	640	6440	820	8750	1640
251	1 x 5	5310	480	5380	640	6610	770	7820	820	10870	1990
252	1 x 5	5310	480	5380	640	6610	770	7820	820	10870	1990
253	1 x 5	5310	480	5380	640	6610	770	7820	820	10870	1990
261	1 x 6	5930	480	6050	770	7000	770	9580	1400	12630	2360
262	1 x 6	5930	480	6050	770	7000	770	9580	1400	12630	2360
263	1 x 6	5930	480	6050	770	7000	770	9580	1400	12630	2360
264	1 x 6	5930	480	6050	770	7000	770	9580	1400	12630	2360
265	1 x 6	5930	480	6050	770	7000	770	9580	1400	12630	2360
266	1 x 6	5930	480	6050	770	7000	770	9580	1400	12630	2360
267	1 x 6	5930	480	6050	770	7000	770	9580	1400	12630	2360
271	1 x 7	6360	560	7020	660	8050	790	12740	2050	16220	3240
272	1 x 7	6360	560	7020	660	8050	790	12740	2050	16220	3240
273	1 x 7	6360	560	7020	660	8050	790	12740	2050	16220	3240
274	1 x 7	6360	560	7020	660	8050	790	12740	2050	16220	3240

BPA = Automatic by-pass

Extra price		
Pressure transmitter (4-20mA)	890	/ pc
Pressure transmitter (1-5V) 2 condensation circuit	270	/ pc
Thermal contact protection (THC)	100	/ fan
Safety isolating switch for each fan (Q)	100	/ fan

Subject to changes without prior notice.

General description

Specifications	
Series	VCM
Coil material	Cu tubes and Al fins
Type	Condenser
Fan diameter	Ø800, Ø910
Size	Ø800: 1-6; Ø910: 1–5
Noise level	T (910), S/L/Q/R (800, 910)
Std Power supply	3/400 V - 50Hz
Options	EC technology fans
	Non-standard power supply
	Isolating switch
	Coil corrosion protection: Coil coating, and fins seawater resistant aluminium alloy 57S/5052
	Special fin spacing (2.5 and 3.2 mm)
	Vibration dampers

Application

Alfa-V Single Row air-cooled condenser range has been designed according to the following principles: material wastes have been reduced to an absolute minimum, the V-angle with its guiding optimizes airflow and low coil resistance reduces energy consumption of the fan motors. It has been specifically designed for commercial refrigeration and air conditioning. Its main purpose is to reject small to medium heat loads in a modest footprint. But Alfa-V Single Row also offers many other features to comply with the highest demands in state-of-the-art refrigeration installations in for instance city-size supermarkets.

Capacity

Nominal capacity according to standard ENV 327: 35-550 kW.

Frame and casework

Casing material is galvanized steel sheet, pre-painted with an epoxy finish (RAL9002). Separated fan sections.

Heat exchangers

Coil design based on 5/16” copper tubes and aluminium “turbo fins” provide heat transfer at a minimized refrigerant charge. Standard fin spacing is 2.1 mm. On demand ”Industrial fins” and large spacing is available.

Fan motors

Fan motors 400V/3ph/50Hz available in two fan diameters (800 & 910 mm). The motors are with external rotor, protection class IP54 according to DIN 40050. Integrated thermal protection by thermo contacts provides reliable protection against thermal overload.
These fan motors are available in five sound level classes: T=high performance, S=standard, L=low, Q=quiet, and R=residential. Motors can be wired to a common terminal boxes.

Certification

The Alfa Laval quality system is in accordance with ISO 9001.
All products are manufactured to CE rules.
All series of air cooled condensers have performance certified by Eurovent "Certify All"

Selection & Prices

Complete air cooler selection and all prices may to be performed with our AlfaSelect Air Software.

Prices

T, S, L, Q, R Standard Noise Level Fan Motor: 400V/3Ph - 50Hz.

Coil options

- EP : epoxy coated aluminium fins.
- T: thermoguard (Industrial or sea coast applications).
- SWR: sea water resistant, on request.
- CU: copper fin.

Alfa-V Condensers — Single fan row									
Model	Series						Coil options Extra price		
	T	S	L	Q	R		EP	T	CU
Ø 800 (400V/3Ph - 50Hz)									
VCM_801A		3910	3851	3831	3876		324	648	1943
VCM_801B		4139	4080	4060	4105		350	700	2100
VCM_801C		4596	4536	4517	4561		403	805	2416
VCM_802A		5895	5776	5737	5826		648	1295	3886
VCM_802B		6490	6371	6332	6421		700	1400	4201
VCM_802C		7265	7147	7107	7197		805	1610	4831
VCM_803A		7951	7773	7714	7848		971	1943	5830
VCM_803B		8805	8627	8568	8702		1050	2100	6301
VCM_803C		10175	9998	9938	10072		1208	2416	7247
VCM_804A		10226	9989	9910	10089		1295	2591	7773
VCM_804B		11139	10902	10823	11002		1400	2801	8402
VCM_804C		12860	12622	12543	12722		1610	3221	9663
VCM_805A		12295	11998	11900	12123		1619	3238	9716
VCM_805B		13436	13139	13041	13264		1750	3501	10502
VCM_805C		15718	15421	15322	15546		2013	4026	12078
VCM_806A		14361	14006	13887	14155		1943	3886	11659
VCM_806B		15732	15376	15258	15526		2100	4201	12603
VCM_806C		18470	18115	17996	18264		2415	4831	14494
Ø 910 (400V/3Ph -50Hz)									
VCM_901A	4630	4307	4284	4288	4305		324	648	1943
VCM_901B	4882	4558	4535	4540	4556		350	700	2100
VCM_901C	5384	5061	5038	5042	5059		403	805	2416
VCM_902A	7139	6492	6446	6454	6488		648	1295	3886
VCM_902B	7641	6994	6948	6957	6990		700	1400	4201
VCM_902C	8647	8000	7954	7962	7996		805	1610	4831
VCM_903A	9784	8814	8745	8758	8808		971	1943	5830
VCM_903B	10665	9695	9626	9639	9689		1050	2100	6301
VCM_903C	12173	11203	11134	11147	11197		1208	2416	7247
VCM_904A	12554	11260	11169	11185	11252		1295	2591	7773
VCM_904B	13560	12266	12174	12191	12257		1400	2801	8402
VCM_904C	15570	14276	14185	14201	14268		1610	3221	9663
VCM_905A	15155	13538	13423	13444	13527		1619	3238	9716
VCM_905B	16411	14794	14680	14700	14784		1750	3501	10502
VCM_905C	18924	17307	17192	17213	17296		2013	4026	12078

Accessories and options

Electrical options														
Model	RCPL													
	SW	EMC	CB	Switch board										
				B	BS	BP	BSP	BFP			BSFP			BEC
								T	S	L	T	S	L	
_801	121	165	328	1090	1342				1858	1858		3730	3730	923
_802	242	330	536	1169	1421	1709	1961		1937	1937		3878	3878	952
_803	363	495	647	1257	1290	1797	1830		2025	2025		3825	3825	981
_804	484	660	932	1432	1843	1972	2383		2290	2200		4633	4543	1018
_805	605	825	1029	1813	2317	2353	2857		2671	2581		5479	5389	1067
_806	726	990	1230	1910	2495	2450	3035		3209	2678		6185	5654	1107
_901	121	165	338	1092	1344			1860	1860	1860	3732	3732	3732	923
_902	242	330	520	1173	1425	1713	1965	2031	1941	1941	3972	3882	3882	952
_903	363	495	647	1263	1296	1803	1836	2562	2031	2031	4362	3831	3831	981
_904	484	660	932	1439	1850	1979	2390	2843	2297	2207	5186	4640	4550	1018
_905	605	825	1165	1823	2327	2363	2867	3227	2681	2591	6035	5489	5399	1067

The price option is intended for single unit.

For all these option the equipment is cabled to the electric motors terminal box.
Noise Level: T, S, L, Q, R

SW: Local safety switch
EMC: Local safety switch EMC
CB: Terminal box
B: Basic switch board
BS: Basic Switch Board +Signal
BP: Basic switch board + fan step control press.
BSP: Basic switch board + signal + fan step control press.
BFP: Basic switch board + fan speed control press. C option included
BSFP: Basic switch board + signal + fan speed control press.C option included
BEC: Basic switch board for EC motor cabled

Model	RCPL				
	BI				
	T	S	L	Q	R
_801					
_802		3116	2996	2432	2432
_803		4143	3264	3144	2580
_804		4546	3436	3316	2752
_805		5158	4714	3835	3715
_806		6701	4874	3995	3875
_901					
_902	4230	3120	3120	2436	2436
_903	4593	4149	3270	2586	2586
_904	6491	4553	4322	3323	3323
_905	7493	4955	4724	3845	3725

The price option is intended for single unit.

BI Inverter equipment + switchboard by Ziehl-Abegg with integrated Sinus Filter (shielded cable not required).
Operating temperature range: -20/+55°C (the equipment have to be always powered).

Switchboard Options	
Option to be added to the switch board.	All models
R Anti-condensate resistor 230Vac (Max operating temperature -25°C)	**252**
C Cooling fan 230Vac (max. operating temperature + 50°C)	**294**
F Cooling fan + Anti-condensate resistor (operating temperature -25 + 50°C)	**459**

Fan motors												
Axial fan	Model	Code number					RCPL				
		T	S	L	Q	R	T	S	L	Q	R
Fan motor 400V/3ph-60 Hz, IP54, 460V/3ph-60 Hz, IP54, **Extra price for each fan**	Ø 800	-	41103044	41103045	41103048	41101306	-	**435**	NEP	NEP	NEP
	Ø 910	41101299	41101270	41101268	41101269	41101310	NEP	**208**	**288**	**185**	NEP
Note: N.E.P: no extra price											

EC technology fans	Model	Code number					RCPL									
							EC fan to max speed, not wiring, not setting					EC fan wiring and setting				
		T	S	L	Q	R	T	S	L	Q	R	T	S	L	Q	R
380-460V/3/50-60Hz Extra price for each fan	Ø 800	-	41103032	41101324			-	**1238**	**1229**	**1238**	**1216**	-	**1407**	**1397**	**1407**	**1382**
	Ø 910	-	41103031	41101334			-	**1048**	**1062**	**1059**	**1051**	-	**1192**	**1207**	**1204**	**1195**

Always specify type unit programming required
N.E.P: no extra price
NA = Not Available

General description

Specifications	
Series	ACV
Coil material	Cu tubes and Al fins
Type	Condenser
Fan diameter	Ø800, Ø910, Ø1000
Size	2-8 dfm
Noise level	T (910), S (800, 910), L/Q/R (800, 910, 1000)
Std Power supply	3/400 V - 50Hz
Options	Multi-circuiting
	Sub-cooling circuit
	Coil corrosion protection: Coil coating, and fins seawater resistant aluminium alloy 57S/5052
	EC technology fans
	Special fan motors: 480/3/60 (IP54), protection class IP55, high-temperature motors, explosion proof motors
	Electrical options: isolating switch, motors wired to a common terminal box, switchboard (IP55), EMC approved components, fan step control, fan speed control, frequency control
	Vibration dampers
	Spray water
	Skid container

dfm: double fan motor

Application

Refrigeration, air conditioning

Capacity

Nominal capacity according to standard ENV 327: 150-1650 kW.

Frame and casework

Casework made with galvanized steel sheets painted (corrosion resistance class C4) with epoxy finish, RAL 9002. The design frame provides high rigidity also for heavy applications. New system perfectly protects the heat exchanger tubes during transportation and operation against vibration and thermal expansion. Support manufactured in galvanized steel.

Heat exchangers

“V type” design provides large capacity with compact size. The heat exchanger design gives heat transfer with minimized refrigerant charge, thanks to the fins corrugation, developed by Alfa Laval, combined with advanced cross fin tubes. In the standard execution, heat exchanger manufactured from copper tubes and aluminium fins with spacing is 2.1 mm. Double connection provides opportunity for two completely independent heat exchangers. Each heat exchanger undergoes a pressure and leaking test with dry air at 31 bar, and finally supplied with a nitrogen pre-charge.

Fan motors

Fan diameters are available in diameter 800, 910, 1000 mm with three-phase motor 400V-50Hz. The motors are with external rotor, made in accordance with VDE 0530/12.84. Protection class IP 54 according to DIN 40050. Integrated thermal protection by thermo contacts provides reliable protection against thermal overload. New bell mouths optimize the performance of the fan motors and minimize the noise level. Axial Condensers are available in 5 noises level fan motor, (T) high performance fan, (S) standard, (L) low, (Q) quiet and (R) residential.

Certification

The Alfa Laval quality system is in accordance with ISO 9001.

All products are manufactured to CE rules.

All series of air cooled condensers have performance certified by Eurovent "Certify All"

Selection & Prices

Complete air cooler selection and all prices may to be performed with our AlfaSelect Air Software.

General description

Specifications		
Series	Solar SX	
Coil material	CA: Cu tubes and Al fins	
Special Model	-: standard model	
	E: special model (have to be specify in the order), epoxy or Cu fins.	
Fan diameter	914 mm - Double fan row	
	1240 mm - Single fan row	
Fan speed	950 rpm	470 rpm
	720 rpm	350 rpm
	560 rpm	
Std Power supply	3/400 V/50Hz	3/230 V/50Hz (not available for 11kW 950rpm fan)
	3/440 V/50Hz	
Refrigerant	R404A	
Options	Sub-cooling	Step Control
	Multi-circuled condenser	Fan speed control with Frequency Converter
	Spray water	Vibration dampers

Application

The Solar Max condensers are designed for commercial and industrial cooling and refrigeration plants. Due to its construction, the range is especially suitable when high capacity relative to available space, low energy consumption or low noise levels are required.

Capacity

Nominal capacity according to standard ENV 327: 170-1812kW.

Frame and casework

Casing material is hot dip galvanised steel.

Heat exchangers

The heat transfer section is made of copper tubes and aluminium fins. Standard fin spacing is 2.3 mm. As an option, aluminium fins with epoxy coating are also available. They extend the working life of the coil in urban and coastal environments. The capacity correction factor for epoxy-coated aluminium fins is 0.97. The heat transfer section can be multi-circuited or equipped with a sub-cooling circuit.

Fan motors

All fans are fitted with squirrel cage motors built to IEC standards.
Technical data, standard motors:

- Power supply: 3/400V/50Hz...3/440V/50Hz
- Protection: IP54
- Insulation class: F
- Operating temp.: -35ºC...+60ºC
- Motors are wired to the fans' safety switches (IP65) located near each fan.

Certification

The Alfa Laval quality system is in accordance with ISO 9001.
All products are manufactured to CE rules.
All series of air cooled condensers for HFC have performance certified by Eurovent "Certify All".

Selection & Prices

Complete air cooler selection may be performed with our FincoilSelect Air Software.

AHE Selection
Fincoil Select

Prices

fan 914 mm	Aluminium fin	Epoxy painted casing	fan 1240 mm	Aluminium fin				Extra price		
		RAL 7040 (light gray)						Epoxy coated fins	Copper fins	Spray water (D)
Size	All rpm´s	Visible parts	Size	350/470rpm	560/720rpm	950rpm		2,3 mm	2,3 mm	
1-4	**21206**	**1400**	1-2	**21746**	**22568**	**22797**		**2300**	*	**420**
2-4	**23587**	**1400**	2-2	**23899**	**24700**	**24939**		**2920**	*	**420**
3-4	**27435**	**1400**	3-2	**27914**	**28766**	**28964**		**4220**	*	**420**
4-6	**26905**	**1710**	4-3	**27664**	**28808**	**29130**		**3260**	*	**670**
5-6	**29411**	**1710**	5-3	**30254**	**31387**	**31699**		**4220**	*	**670**
6-6	**34424**	**1710**	6-3	**35495**	**36608**	**36920**		**6130**	*	**670**
7-8	**34102**	**2100**	7-4	**35110**	**36650**	**37045**		**4200**	*	**860**
8-8	**37534**	**2100**	8-4	**38470**	**39998**	**40404**		**5490**	*	**860**
9-8	**44387**	**2100**	9-4	**45198**	**46738**	**47154**		**8040**	*	**860**
10-10	**41943**	**2500**	10-5	**42786**	**44647**	**45146**		**5190**	*	**1040**
11-10	**46332**	**2500**	11-5	**47112**	**48984**	**49504**		**6770**	*	**1040**
12-10	**54371**	**2500**	12-5	**55089**	**57002**	**57502**		**9970**	*	**1040**
13-12	**49098**	**2880**	13-6	**50107**	**52239**	**52853**		**6130**	*	**1220**
14-12	**54080**	**2880**	14-6	**54725**	**57023**	**57626**		**8040**	*	**1220**
15-12	**63752**	**2880**	15-6	**64428**	**66716**	**67330**		**11890**	*	**1220**

(*): On request
Subject to changes without prior notice.

Accessories and options

Step Control (SC)		
Fan speed	FLC (Full Load Current)	
	Ø914mm	Ø1240mm
350rpm	1.4A	6.2A
470rpm	2.5A	7.5A
560rpm	2.8A	11A
720rpm	4.3A	17A
950rpm	7.0A	27A

Step Control (SC)			
Rows x Number of fans	Number of steps	Pr	EC
Current / fan:: until 6.9A			
1 x 2	2	**2720**	**1160**
1 x 3	3	**3670**	**1510**
1 x 4	4	**4000**	**1860**
1 x 5	5	**5290**	**2200**
1 x 6	6	**6280**	**2690**
1 x 7	7	**6590**	**3110**
2 x 2	2	**3570**	**1840**
2 x 3	3	**4670**	**2630**
2 x 4	4	**5740**	**3380**
2 x 5	5	**7520**	**4340**
2 x 6	6	**8130**	**4980**
2 x 7	7	**8660**	**5360**
Current / fan:: 7.0A - 9.9A			
1 x 2	2	**2800**	**1220**
1 x 3	3	**3790**	**1590**
1 x 4	4	**4170**	**1990**
1 x 5	5	**5490**	**2370**
1 x 6	6	**6570**	**2890**
1 x 7	7	**6880**	**3350**
2 x 2	2	**3730**	**1940**
2 x 3	3	**4850**	**2780**
2 x 4	4	**5950**	**3570**
2 x 5	5	**7820**	**4600**
2 x 6	6	**8390**	**5270**
2 x 7	7	**9170**	**5720**
Current / fan:: 10A-16A			
1 x 2	2	**2940**	**1220**
1 x 3	3	**4000**	**1590**
1 x 4	4	**4380**	**1990**
1 x 5	5	**5780**	**2370**
1 x 6	6	**6880**	**2890**
1 x 7	7	**6570**	**3350**
Current / fan:: 17A-27A			
1 x 2	2	**3250**	**1780**
1 x 3	3	**4120**	**2290**
1 x 4	4	**4860**	**3030**
1 x 5	5	**6420**	**3650**
1 x 6	6	**7360**	**4430**
1 x 7	7	**8440**	**5590**
SC-Pr =	Pressure control for condensers		
SC-EC =	External control.		

Subject to changes without prior notice.

Frequency Converter (SCV)											
fan914 mm	3/400V 50Hz	350 rpm		470 rpm		560 rpm		720 rpm		950 rpm	
Size	fan	SVC	BPA	SVC	BPA	SVC	BPA	SVC	BPA	SVC	BPA
1-4	2x2	4050	440	4030	440	4240	440	4660	450	5170	570
2-4	2x2	4050	440	4030	440	4240	440	4660	450	5170	570
3-4	2x2	4050	440	4030	440	4240	440	4660	450	5170	570
4-6	2x3	4450	440	5060	450	5160	480	5480	480	6770	640
5-6	2x3	4450	440	5060	450	5160	480	5480	480	6770	640
6-6	2x3	4450	440	5060	450	5160	480	5480	480	6770	640
7-8	2x4	5090	440	5910	480	5910	480	6440	560	7320	770
8-8	2x4	5090	440	5910	480	5910	480	6440	560	7320	770
9-8	2x4	5090	440	5910	480	5910	480	6440	560	7320	770
10-10	2x5	5990	460	6440	480	6610	570	7400	570	8290	820
11-10	2x5	5990	460	6440	480	6610	570	7400	570	8290	820
12-10	2x5	5990	460	6440	480	6610	570	7400	570	8290	820
13-12	2x6	6440	450	7210	570	7190	600	8590	770	10380	1060
14-12	2x6	6440	450	7210	570	7190	600	8590	770	10380	1060
15-12	2x6	6440	450	7210	570	7190	600	8590	770	10380	1060
fan1240 mm	3/400V 50Hz	350 rpm		470 rpm		560 rpm		720 rpm		950 rpm	
Size	fan	SVC	BPA	SVC	BPA	SVC	BPA	SVC	BPA	SVC	BPA
1-2	1x2	3860	440	4130	450	4310	480	4780	570	6090	660
2-2	1x2	3860	440	4130	450	4310	480	4780	570	6090	660
3-2	1x2	3860	440	4130	450	4310	480	4780	570	6090	660
4-2	1x3	4460	440	4550	480	4960	570	5860	660	6630	1400
5-3	1x3	4460	440	4550	480	4960	570	5860	660	6630	1400
6-3	1x3	4460	440	4550	480	4960	570	5860	660	6630	1400
7-4	1x4	4680	450	5180	570	5590	640	6440	820	8750	1640
8-4	1x4	4680	450	5180	570	5590	640	6440	820	8750	1640
´9-4	1x4	4680	450	5180	570	5590	640	6440	820	8750	1640
10-5	1x5	5310	480	5380	640	6610	770	7820	820	10870	1990
11-5	1x5	5310	480	5380	640	6610	770	7820	820	10870	1990
12-5	1x5	5310	480	5380	640	6610	770	7820	820	10870	1990
13-6	1x6	5930	480	6050	770	7000	770	9580	1400	12630	2360
14-6	1x6	5930	480	6050	770	7000	770	9580	1400	12630	2360
15-6	1x6	5930	480	6050	770	7000	770	9580	1400	12630	2360

BPA = Automatic by-pass

Extra price		
Pressure transmitter (4-20mA)	**890**	/ pc
Pressure transmitter (1-5V) 2 condensation circuit	**270**	/ pc
Thermal contact protection (THC)	**100**	/ fan
Safety isolating switch for each fan (Q)	**100**	/ fan

Subject to changes without prior notice.

General description

Specifications		
Series/Coil material	ZA: F1 finned coil, specially electrogalvanised steel tube with aluminium fins (FeZn/Al)	
	ZZ: A1 finned coil, totally hot dip galvanised steel (FeZn/FeZn)	
Special Model	-: standard model	
	E: special model (have to be specify in the order)	
Fan diameter	914 mm - single and double fan row	
	1240 mm - Single fan row	
Fan speed	950 rpm (excluded 1240 mm)	470 rpm
	720 rpm	350 rpm
	560 rpm	
Std Power supply	3/400 V/50Hz	3/230 V/50Hz
	3/440 V/50Hz	
Refrigerant	R717A	
Options	Multi-circuled condenser	Extra high feet
	Sub-cooling	Vibration dampers
	Spray water	excluded

Application

Solar air cooled condensers with steel tubes are especially suitable for refrigeration plants, in which ammonia is used as refrigerant. The condensers are also suitable for other refrigerants. The heat transfer section is alternatively made of specially electrogalvanised steel tubes or stainless steel tubes with aluminium fins, or of totally hot dip galvanised steel block. The condensers are designed for outdoor use and can be installed either with their air flow upwards or horizontally.

Capacity

Nominal capacity according to standard ENV 327: 66-948kW.

Frame and casework

Sturdy, monocoque structure made of hot dip galvanised steel. Other parts are of stainless or efficiently corrosion-protected material.

Heat exchangers

Series ZA: F1 finned coil, nominal tube diam. 17 mm, fin spacing 2.5 mm (also fin spacings of 3.0 or 4.0 mm available), specially electrogalvanised steel tube with aluminium fins (epoxycoated fins as alternative).
Series ZZ: A1 finned coil of totally hot dip galvanised steel, fin spacing 3.1 mm (also 4.5 mm available). For conditions, where the condensers rapidly get dirty, a fin spacing of min. 4.0 mm is recommended.
Two mounting positions : H = air flow upwards, V =horizontal air flow. Heat transfer section can be multicircuited or equipped with a subcooling circuit.

Fan motors

All fans are fitted with squirrel cage motors built to IEC standards.
Technical data, standard motors:

- Power supply: 3/400V/50Hz...3/440V/50Hz
- Protection: IP54
- Insulation class: F
- Operating temp.: -35ºC...+60ºC
- Motors are wired to the fans' safety switches (IP65) located near each fan.

Selection & Prices

Complete air cooler selection may be performed with our FincoilSelect Air Software.

AHE Selection
Fincoil Select

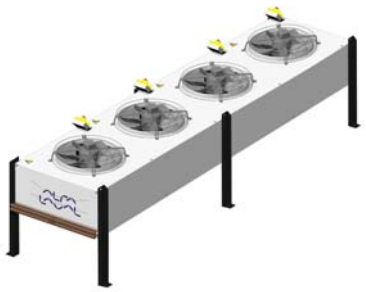
Prices

Solar-ZA Condenser							
fan	Aluminium fin			fan	Aluminium fin		
914 mm	Fin spacing			1240 mm	Fin spacing		
Size	2,5 mm	3,0 mm	4,0 mm	Size	2,5 mm	3,0 mm	4,0 mm
1-2	9360	9266	9266				
2-2	10327	10213	10213				
3-3	12199	12064	12064				
4-3	13489	13312	13312				
5-4	15558	15371	15371				
6-4	17243	17004	17004				
7-5	19666	19438	19438				
8-5	21632	21330	21330				
9-6	22911	22641	22641	9-3	24513	24242	24242
10-6	25667	25314	25314	10-3	27269	26915	26915
11-8	28829	28475	28475	11-4	30961	30607	30607
12-8	32282	31803	31803	12-4	34414	33935	33935
13-10	34902	34445	34445	13-5	37565	37107	37107
14-10	39156	38553	38553	14-5	41818	41215	41215
15-12	40425	39884	39884	15-6	43618	43077	43077
16-12	44990	44273	44273	16-6	48183	47466	47466

Solar-ZZ Condenser					
fan	Fin spacing		fan	Fin spacing	
914 mm			1240 mm		
Size	3,1 mm	4,5 mm	Size	3,1 mm	4,5 mm
1-2	14196	12324			
2-2	16380	14123			
3-3	19594	16858			
4-3	22776	19448			
5-4	25719	22110			
6-4	29661	25220			
7-5	31304	26541			
8-5	35974	30337			
9-6	36962	31886	9-3	38563	33488
10-6	43274	36431	10-3	44876	38033
11-8	49223	42328	11-4	51355	44460
12-8	57866	48610	12-4	59998	50742
13-10	60393	50242	13-5	63055	52905
14-10	71022	58282	14-5	73684	60944
15-12	70429	60258	15-6	73622	63450
16-12	83054	69347	16-6	86247	72540

Alfa Laval Air Cooled Liquid Coolers

General description



Specifications	
Series	DG
Coil material	Cu tubes and Al fins
Type	Dry coolers
Size	Ø500: 1-4 sfm Ø630: 1–6 sfm
Fan diameter	Ø500, Ø630
Std Power supply	3/400 V - 50Hz
Mounting position	H: vertical air flow
	V: horizontal air flow
Options	EC motors (500 & 630 mm)
	Fan speed control (230/1 and 400/3 - 56/60Hz)
	Non-standard power supply
	Fan motor switches
	Terminal box for electric power connection
	Coil corrosion protection: Coil coating, and fins seawater resistant aluminium alloy 57S/5052
	Special fin spacing (2.5 and 3.2mm)
	Vibration dampers

sfm: single fan motor

Application

AlfaBlue Junior commercial dry coolers is a competitive product line of robust construction and high rigidity, that has every feature you need, with excellent performance especially at low air flow rates, allowing easy installation on site and an outstanding integration with other components. Highly efficient fan motors combine sound characteristics and low energy consumption. This dry coolers are often used for cooling down condenser water in air-conditioning and refrigeration installations. In the processing industry, dry coolers are suitable for closed circuit cooling of various process liquids.

Capacity

Nominal capacity according to standard EN 1048: 10-231 kW

Frame and casework

The coil frame is made from AlMg3 for protection against vibration and thermal expansion. Casing material is galvanized steel sheet, pre-painted with an epoxy finish (RAL9002). Separated fan sections.

Heat exchangers

Coil design based on 3/8” copper tubes and aluminium “turbo fins” provides excellent heat transfer at minimal refrigerant charge. Standard fin spacing is 2.1 mm. On demand, “industrial fins” and large spacing is available.

Fan motors

High efficiency fans with innovative polymeric fan blades and low power consumption. Available in two fan diameters (500 & 630 mm), different power supplies (230V, 400V, 50/60Hz) and four noise levels. Protection class IP 54 according to DIN 40050. Integrated thermo contacts provide reliable protection against thermal overload (terminals in the box). Motors are wired to one or more common terminal boxes.

Certification

The Alfa Laval quality system is in accordance with ISO 9001.
All products are manufactured to CE rules.
All series of dry coolers have performance certified by Eurovent

Selection & Prices

Complete air cooler selection and all prices may to be performed with our AlfaSelect Air Software.
In case of inconsistency of data between this book and selection software, please refer always to the last one.

Prices

The model is ready to be delivered: completely assembled, in vertical position, on a pallet or crate, protected by a plastic film, ex-works factory. The Dry Cooler includes: the coil, manifolds with threaded connections, fan motors, caseworks. This version is ready to be installed in vertical position (air flow is horizontal) or in horizontal adding the support kit feet (see the ACCESSORIES page). Wiring has to be done by customer cabling all fans; this can be avoid adding the electrical components (see the ACCESSORIES page).

Coil options

- OIL: version available as oil cooler with PT = 30 bar.
- EP: epoxy coated aluminium fins.
- T: thermoguard (Industrial or sea coast applications).
- SWR: sea water resistant, on request
- CU:copper fin.

Model	Series					Coil options Extra price		
	S	L	Q	R	OIL	EP	T	CU
Ø 500 ((400V/3Ph - 50 Hz))								
DG_501A	954	954	954		85	105	235	398
DG_501B	1094	1094	1094		94	118	246	556
DG_501C	1225	1225	1225		104	130	271	715
DG_502A	1563	1563	1563		170	209	469	796
DG_502B	1886	1886	1886		188	236	491	1113
DG_502C	2108	2108	2108		207	261	541	1429
DG_503A	2307	2307	2307		255	314	704	1194
DG_503B	2748	2748	2748		282	355	737	1669
DG_503C	3103	3103	3103		311	391	812	2144
DG_504B	3660	3660	3660		376	473	982	2225
DG_504C	4035	4035	4035		414	521	1082	2859
Ø 630 ((400V/3Ph - 50 Hz))								
DG_631A	1532	1532	1532	1532	97	123	429	491
DG_631B	1775	1775	1775	1775	111	143	501	572
DG_631C	1996	1996	1996		123	160	559	639
DG_632A	2341	2341	2341	2341	193	245	859	981
DG_632B	2715	2715	2715	2715	222	286	1002	1144
DG_632C	3020	3020	3020		246	319	1118	1278
DG_633A	3483	3483	3483	3483	290	368	1288	1472
DG_633B	4058	4058	4058	4058	334	429	1503	1717
DG_633C	4502	4502	4502		369	479	1677	1916
DG_634A	4567	4567	4567	4567	387	491	1718	1962
DG_634B	5352	5352	5352	5352	445	572	2003	2289
DG_634C	5966	5966	5966		492	639	2236	2555
DG_635A	6246	6246	6246	6246	484	613	2147	2453
DG_635B	6991	6991	6991	6991	556	715	2504	2861
DG_635C	7499	7499	7499		614	799	2795	3194
DG_636A	7751	7751	7751	7751	580	736	2576	2943
DG_636B	8659	8659	8659	8659	667	858	3005	3433
DG_636C	9498	9498	9498		737	958	3354	3833

Accessories and options

Electrical options			
Model	RCPL		
	SW	EMC	CB
501	**121**	**165**	**175**
502	**243**	**330**	**251**
503	**363**	**495**	**346**
504	**485**	**660**	**472**
631	**121**	**165**	**198**
632	**242**	**330**	**282**
633	**363**	**495**	**357**
634	**484**	**660**	**522**
635	**605**	**825**	**630**
636	**726**	**990**	**780**

The price option is intended for single unit.

SW: Local safety switch **EMC**: Local safety switch EMC **CB**: Terminal box

Fan motors									
Axial fan		Code number				RCPL			
		S	L	Q	R	S	L	Q	R
Ø 500	230V/1ph/50Hz	41101366	41101367	41101368		NEP	NEP	NEP	
	230V/1ph/60Hz	41101366	41101367	41101368		NEP	NEP	NEP	
	400V/3ph/50Hz	41101363	41101364	41101365		NEP	NEP	NEP	
	400V/3ph/60Hz	41101371	41101364	41101365		**47**	NEP	NEP	
Ø 630	230V/1ph/50Hz		41101404	41101405			NEP	NEP	
	230V/1ph/60Hz			41101405			NEP	NEP	
	400V/3ph/50Hz	41101400	41101401	41101402	41101403	NEP	NEP	NEP	NEP
	400V/3ph/60Hz		41101401		41101403		NEP		NEP

EC technology fans		Code number				RCPL							
		S	L	Q	R	EC fan to max speed, not wiring, not setting				EC fan wiring and setting			
						S	L	Q	R	S	L	Q	R
Ø 500	380-460V/3/50-60Hz	41101398			—	**840**				**975**			
Ø 630	380-460V/3/50-60Hz	na	41101407			**685**				**825**			

Always specify type unit programming required
Extra price for each fan.

NA = Not Available N.E.P.: no extra price

Support kit options					
Model	Feet			Vibration dampers	
	Code	H	RCPL	Code	RCPL
501	10999364	420 mm	**126**	10999345	**149**
502	10999364	420 mm	**126**	10999345	**149**
503	10999364	420 mm	**126**	10999345	**149**
504	10999365	420 mm	**177**	10999346	**364**
631	10999461	500 mm	**108**	10999345	**149**
632	10999461	500 mm	**108**	10999345	**149**
633	10999461	500 mm	**108**	10999345	**149**
634	10999462	500 mm	**162**	10999346	**364**
635	10999463	500 mm	**216**	10999347	**486**
636	10999463	500 mm	**216**	10999347	**486**

The price option is intended for single unit.

Flanges stainless steel		
These loose flanges are connected to the manifold.	**Connection**	**RCPL**
Price for couple of connections:		
PN16 DN32 - AISI	1"	**286**
PN16 DN40 - AISI	1"1/2	**308**
PN16 DN50 - AISI	2"	**384**
PN16 DN65 - AISI	2"1/2	**469**
PN16 DN80 - AISI	3"	**545**
PN16 DN100 - AISI	4"	**595**

General description

Specifications		
Series	SJG	
Special Model	E	
Fan diameter	500 mm	
	630 mm	
Fan speed	1400 rpm	900 rpm
	1150 rpm	700 rpm
Std Power supply	3/400 V/50Hz	1/230 V/50Hz
Mounting position	H: vertical air flow	V:horizontal air flow
Options	Fan speed control	Outer thread
	Flange	

Application

The Solar Junior G dry coolers are designed as heat exchangers for commercial and industrial cooling and refrigeration and air conditioning. Due to its construction, the range is especially suitable for places where easy assembly as well as a light and robust structure are required. The units are designed for outdoor use, but the structure and low sound level make them suitable also for indoor use, where the cooling capacity can be utilized for heating.

Capacity

Nominal capacity according to standard EN: 9.8-187 kW.

Frame and casework

Heat exchangers

The heat transfer section is made of copper tubes and aluminium fins. Fin spacing is 2.3 mm. The coil of a dry cooler is equipped with draining and venting nipples but the standard version cannot be totally drained.

Fan motors

3-phase fans are suitable for 3/400 V/50 Hz and 1-phase fans for 1/230 V/50 Hz. For other power supplies, the fans must be specified as special. All fans are suitable at least for +50 ºC air out temperatures. Suitability for higher temperatures must be checked according to fan type. Protection class of all fan motors is at least IP 44. The fan power input at +20 ºC is given in the performance data tables. The full load current is given at a temperature of –30 ºC for specifying the overload protector. The current value changes according to air density. This data may also vary due to changes in motor types; therefore the overload protectors should have a +/-20 % adjustment margin.

Certification

The Alfa Laval quality system is in accordance with ISO 9001.
All products are manufactured to CE rules.
All series of dry coolers have performance certified by Eurovent

Selection & Prices

Complete air cooler selection may be performed with our FincoilSelect Air Software.

Prices

Size	Standard model	SK	With variable fan speed control VC 3/400V/50Hz			
			1400 rpm	1150 rpm	900 rpm	700 rpm
SJG-5	**1487**	**330**	**3276**	**3276**	**3276**	**3276**
SJG-7	**1602**	**330**	**3370**	**3370**	**3370**	**3370**
SJG-9	**1830**	**330**	**3609**	**3609**	**3609**	**3609**
SJG-10	**2038**	**330**	**3817**	**3817**	**3817**	**3817**
SJG-11	**2278**	**330**	**4139**	**4139**	**4139**	**4139**
SJG-12	**2527**	**330**	**4368**	**4368**	**4368**	**4368**
SJG-13	**3151**	**330**	**5065**	**5065**	**5065**	**5065**
SJG-14	**3151**	**330**	**5002**	**5002**	**5002**	**5002**
SJG-15	**3536**	**330**	**5450**	**5450**	**5450**	**5450**
SJG-16	**3505**	**330**	**5356**	**5356**	**5356**	**5356**
SJG-17	**4326**	**330**	-	**6250**	**6250**	**6250**
SJG-19	**4690**	**330**	-	**6604**	**6604**	**6604**
SJG-20	**5699**	**440**	-	-	**7706**	**7706**
SJG-22	**6198**	**440**	-	-	**8206**	**8206**
SJG-27	**7051**	-	-	-	-	**9152**
SJG-28	**7727**	-	-	-	-	**9828**
SJG-29	**8164**	-	-	-	-	**10618**
SJG-30	**8986**	-	-	-	-	**11440**

SK: Wall mounting bracket
Prices for epoxy coated aluminium fins or copper fins are given by request.
Same price for H- and V-models.

Accessories and options

Frequency Converterr (SVC)				
Size	3/400V/50Hz			
	1400 rpm	1150 rpm	900 rpm	700 rpm
SJG-5	**3540**	**3540**	**3540**	**3540**
SJG-7	**3540**	**3540**	**3540**	**3540**
SJG-9	**3540**	**3540**	**3540**	**3540**
SJG-10	**3540**	**3540**	**3540**	**3540**
SJG-11	**3970**	**3970**	**3970**	**3970**
SJG-12	**3970**	**3970**	**3970**	**3970**
SJG-13	**3980**	**3980**	**3980**	**3980**
SJG-14	**3970**	**3970**	**3970**	**3970**
SJG-15	**3980**	**3980**	**3980**	**3980**
SJG-16	**3970**	**3970**	**3970**	**3970**
SJG-17	-	**3980**	**3980**	**3980**
SJG-19	-	**3980**	**3980**	**3980**
SJG-20	-	-	**4980**	**4980**
SJG-22	-	-	**4980**	**4980**
SJG-27	-	-	-	**5640**
SJG-28	-	-	-	**5640**
SJG-29	-	-	-	**5900**
SJG-30	-	-	-	**5900**

Extra price		
Temperature transmitter	**550**	/ pc
Thermal contact protection (THC)	**80**	/ pc
Safety isolating swicth for each fan (Q)	**100**	/ pc

Step Control (SC)				
Number of fans Current / fan: ...6.9A	Number of steps	Te	Pr	EC
1 x 2	2	**1960**	**2720**	**1160**
1 x 3	3	**2770**	**3670**	**1510**
1 x 4	4	**3180**	**4000**	**1860**
1 x 5	5	**4680**	**5290**	**2200**
1 x 6	6	**5800**	**6280**	**2690**
1 x 7	7	**6120**	**6590**	**3110**
2 x 2	2	**2860**	**3570**	**1840**
2 x 3	3	**3770**	**4670**	**2630**
2 x 4	4	**4980**	**5740**	**3380**
2 x 5	5	**6840**	**7520**	**4340**
2 x 6	6	**7540**	**8130**	**4980**
2 x 7	7	**8210**	**8660**	**5360**

SC-Te =Temperature control for dry coolers
EC =External control.

General description

Specifications	
Series	BDM: Single fan row
Coil material	BD: Cu tubes and Al fins
Type	Dry coolers
Fan diameter	Ø630, Ø630L, Ø800, Ø910, Ø1000
Size	Ø630: 1-4 sfm, Ø630L: 1-3 sfm, Ø800: 1-5 sfm, Ø910: 1-4 sfm, Ø1000: 1-4 sfm
Noise level	T (910), S (630, 630L, 800, 910), L/Q/R (630, 630L, 800, 910, 1000)
Std Power supply	3/400 V - 50Hz
Mounting position	H: vertical air flow
	V: horizontal air flow
Options	Coil corrosion protection: Coil coating, and fins seawater resistant aluminium alloy 57S/5052
	EC technology fans
	Special fan motors: 480/3/60 (IP54), protection class IP55, high-temperature motors, explosion proof motors
	Electrical options: isolating switch, motors wired to a common terminal box, switchboard (IP55), EMC approved components, fan step control, fan speed control, frequency control, inverter equipment
	Vibration dampers

sfm: single fan motor

Application

The AlfaBlue Dry Coolers can be used in refrigeration, air conditioning equipment and in Industrial Cooling (cooling of water or other different fluids, Food, Power, Process and general Industry).

Capacity

Nominal capacity according to standard ENV 327: 15-437 kW.

Frame and casework

Frame construction provides high rigidity for protection against vibration and thermal expansion.
Casing and framework of corrosion resistant pregalvanized sheet steel (corrosion resistance class C4), epoxy coated white RAL 9002 on both sides. Separated fan sections.

Heat exchangers

An innovative coil design provides excellent heat transfer. In standard execution dry coolers are fitted with smooth copper tubing (1/2” or 3/8”).
Available with two Alu-fin types:
Turbo fins for maximized capacity
Industrial power fins for long lasting performance
Available in different fin thicknesses and fin spacings. Coil configuration optimized according to liquid flow.

Fan motors

Four different fan diameters are available: 630, 800, 910, 1000 mm with three-phase standard motor 400V-50Hz..
The motors are with external rotor, protection class IP 54 according to DIN 40050. Integrated thermal protection by thermo contacts provides reliable protection against thermal overload. Five noise levels fan motor, (T) high performance fan, (S) standard, (L) low, (Q) quiet, (R) residential.

Certification

The Alfa Laval quality system is in accordance with ISO 9001.
All products are manufactured to CE rules.
All series of dry coolers have performance certified by Eurovent

Selection & Prices

Complete air cooler selection and all prices may to be performed with our AlfaSelect Air Software.
In case of inconsistency of data between this book and selection software, please refer always to the last one.

Prices

T, S, L, Q, R Standard Noise Level Fan Motor: 400V/3Ph - 50Hz for diameter 800, 910 and 1000 mm.
V: Basic Unit Vertical Transport. The model is delivered: completely assembled, in vertical position (air flow is horizontal), on a pallet, protected by a plastic film, ex-works Alonte (Vicenza Italy).
The AlfaBlue includes: the coil, manifolds, fan motors, caseworks. Wiring has to be done by customer cabling all fans; this can be avoid adding the electrical components (see the ACCESSORIES page).
H: Basic Unit Horizontal Transport. This version is ready to be installed in horizontal position (air flow is vertical) with the support feet mounted (H=500mm). Wiring has to be done by customer cabling all fans; this can be avoid adding the electrical components (see the ACCESSORIES page).

Coil options

- EP: epoxy coated aluminium fins.
- T: thermoguard (Industrial or sea coast applications).
- OIL: version available as oil cooler with PS = 30 bar.
- SWR: sea water resistant
- IF: Industrial fin
- CU:copper fin.

Series	T		S		L		Q		R			Coil options Extra price					
Position	V	H	V	H	V	H	V	H	V	H		OIL	EP	T	SWR	IF	CU
Ø 630 (400V/3Ph - 50 Hz)																	
BDM_631A	-	-	2865	3443	2652	3230	2632	3210	2633	3212		137	203	425	173	87	1418
BDM_631B	-	-	3170	3748	2957	3535	2937	3515	2938	3516		152	224	470	190	95	1565
BDM_631C	-	-	3710	4288	3496	4075	3477	4054	3478	4055		168	246	517	213	107	1722
BDM_631D	-	-	3857	4436	3644	4222	3624	4203	3624	4203		189	276	580	229	114	1932
BDM_632A	-	-	4201	4739	3774	4313	3735	4274	3737	4276		275	405	850	347	173	2836
BDM_632B	-	-	4621	5159	4195	4734	4156	4696	4157	4697		305	447	939	381	190	3130
BDM_632C	-	-	5032	5570	4606	5145	4567	5105	4568	5106		336	492	1033	427	213	3444
BDM_632D	-	-	5604	6142	5178	5717	5139	5677	5140	5678		379	552	1160	457	229	3865
BDM_633A	-	-	6105	6600	5466	5961	5408	5902	5410	5904		412	608	1275	520	260	4254
BDM_633B	-	-	6707	7203	6068	6564	6010	6505	6012	6507		457	671	1409	571	286	4695
BDM_633C	-	-	7361	7856	6724	7218	6664	7159	6666	7161		504	738	1550	640	320	5166
BDM_633D	-	-	7561	8054	6920	7415	6861	7357	6866	7359		568	828	1739	686	343	5797
BDM_634A	-	-	8039	8859	7188	8008	7109	7930	7112	7932		549	810	1701	693	347	5671
BDM_634B	-	-	8754	9574	7903	8721	7824	8643	7827	8647		610	894	1878	762	381	6260
BDM_634C	-	-	9670	10490	8819	9640	8741	9561	8743	9563		673	984	2066	854	427	6888
BDM_634D	-	-	10859	11677	10007	10826	9928	10748	9931	10752		757	1104	2319	915	457	7729
630 Long (400V/3Ph - 50 Hz)																	
BDM_631AL	-	-	3267	3838	3054	3624	3034	3606	3035	3606		137	203	425	173	87	1418
BDM_631BL	-	-	3604	4175	3390	3962	3372	3942	3372	3943		152	224	470	190	95	1565
BDM_631CL	-	-	3931	4502	3718	4289	3699	4270	3699	4271		168	246	517	213	107	1722
BDM_631DL	-	-	4389	4960	4176	4748	4156	4727	4156	4728		189	276	580	229	114	1932
BDM_632AL	-	-	4817	5337	4392	4912	4352	4872	4354	4873		275	405	850	347	173	2836
BDM_632BL	-	-	5300	5819	4874	5393	4835	5354	4836	5356		305	447	939	381	190	3130
BDM_632CL	-	-	5823	6342	5398	5917	5358	5877	5359	5878		336	492	1033	427	213	3444
BDM_632DL	-	-	6490	7009	6064	6583	6025	6544	6027	6545		379	552	1160	457	229	3865
BDM_633AL	-	-	6394	6879	5755	6240	5696	6181	5698	6183		412	608	1275	520	260	4254
BDM_633BL	-	-	6964	7447	6325	6810	6266	6751	6268	6753		457	671	1409	571	286	4695
BDM_633CL	-	-	7698	8183	7061	7544	7001	7486	7003	7488		504	738	1550	640	320	5166
BDM_633DL	-	-	8705	9189	8066	8551	8008	8493	8010	8494		568	828	1739	686	343	5797

T, S, L, Q, R Standard noise level fan motor.
V: basic unit vertical transport.
H: basic unit horizontal transport.

Coil options

- EP: epoxy coated aluminium fins.
- T: thermoguard (Industrial or sea coast applications).
- OIL: version available as oil cooler with PS = 30 bar.
- SWR: sea water resistant
- IF: Industrial fin
- CU:copper fin.

Series	T		S		L		Q		R			Coil options Extra price					
Position	V	H	V	H	V	H	V	H	V	H		OIL	EP	T	SWR	IF	CU
Ø 800 (400V/3Ph - 50 Hz)																	
BDM_801A	-	-	3728	4283	3668	4222	3649	4203	3693	4246		195	280	589	241	120	1963
BDM_801B	-	-	4119	4673	4060	4613	4039	4594	4083	4637		218	310	651	270	135	2172
BDM_801C	-	-	4522	5076	4462	5016	4443	4996	4487	5040		256	364	765	297	148	2549
BDM_801D	-	-	5020	5573	4961	5514	4940	5494	4985	5538		285	409	859	331	165	2863
BDM_802A	-	-	6259	6764	6139	6644	6100	6605	6188	6692		390	561	1178	481	241	3927
BDM_802B	-	-	6874	7380	6754	7260	6715	7221	6803	7308		435	621	1302	540	270	4343
BDM_802C	-	-	7561	8065	7440	7946	7402	7906	7489	7994		511	728	1529	594	297	5098
BDM_802D	-	-	8466	8970	8345	8851	8306	8811	8394	8899		571	818	1718	662	331	5727
BDM_803A	-	-	8857	9284	8677	9105	8617	9046	8750	9177		585	841	1767	722	361	5890
BDM_803B	-	-	10269	10697	10089	10516	10030	10458	10163	10590		653	931	1954	810	405	6515
BDM_803C	-	-	11248	11676	11069	11496	11009	11438	11142	11569		767	1092	2294	890	445	7648
BDM_803D	-	-	12215	12642	12035	12463	11977	12404	12108	12535		856	1227	2576	992	496	8590
BDM_804A	-	-	11613	12333	11372	12093	11294	12015	11470	12191		781	1121	2356	963	481	7854
BDM_804B	-	-	13426	14147	13187	13907	13108	13829	13284	14005		871	1241	2605	1080	540	8687
BDM_804C	-	-	14437	15158	14198	14918	14119	14840	14296	15016		1023	1456	3059	1187	594	10197
BDM_804D	-	-	16305	17026	16067	16788	15987	16708	16164	16883		1142	1636	3435	1323	662	11453
BDM_805A	-	-	14664	15053	14366	14753	14267	14655	13928	14874		976	1402	2945	1204	602	9817
BDM_805B	-	-	16072	17072	15773	16772	15676	16673	15895	16894		1088	1551	3256	1350	675	10858
BDM_805C	-	-	18152	19151	17853	18851	17755	18754	17974	18974		1278	1820	3824	1484	742	12746
BDM_805D	-	-	20502	21499	20201	21200	20103	21102	20323	21322		1427	2045	4294	1654	827	14317
Ø 910 (400V/3Ph - 50 Hz)																	
BDM_901A	4447	4988	4078	4622	4055	4600	4059	4604	4075	4620		195	280	589	241	120	1963
BDM_901B	4815	5359	4445	4990	4423	4968	4426	4971	4443	4988		218	310	651	270	135	2172
BDM_901C	5480	6025	5111	5656	5089	5633	5092	5637	5107	5653		256	364	765	297	148	2549
BDM_901D	5781	6326	5412	5956	5390	5935	5393	5938	5410	5954		285	409	859	331	165	2863
BDM_902A	7910	8379	7171	7641	7127	7596	7134	7603	7167	7636		390	561	1178	481	241	3927
BDM_902B	8675	9143	7935	8403	7892	8361	7898	8368	7931	8399		435	621	1302	540	270	4343
BDM_902C	9558	10027	8818	9288	8774	9244	8782	9251	8814	9283		511	728	1529	594	297	5098
BDM_902D	10726	11196	9986	10456	9942	10411	9950	10419	9982	10452		571	818	1718	662	331	5727
BDM_903A	10987	11383	9878	10274	9811	10208	9822	10219	9871	10268		585	841	1767	722	361	5890
BDM_903B	12036	12431	10927	11325	10862	11257	10871	11267	10920	11316		653	931	1954	810	405	6515
BDM_903C	13269	13667	12161	12558	12095	12491	12105	12502	12153	12551		767	1092	2294	890	445	7648
BDM_903D	15401	15799	14295	14690	14227	14624	14238	14635	14286	14684		856	1227	2576	992	496	8590
BDM_904A	14666	15345	13188	13867	13100	13780	13113	13794	13178	13858		781	1121	2356	963	481	7854
BDM_904B	16064	16744	14586	15266	14498	15178	14512	15191	14577	15257		871	1241	2605	1080	540	8687
BDM_904C	17840	18520	16363	17042	16275	16955	16288	16969	16353	17033		1023	1456	3059	1187	594	10197
BDM_904D	19417	20097	17938	18618	17852	18530	17865	18545	17930	18610		1142	1636	3435	1323	662	11453
Ø 1000 (400V/3Ph - 50 Hz)																	
BDM_1001A	-	-	-	-	4913	5458	4255	4801	4223	4767		195	280	589	241	120	1963
BDM_1001B	-	-	-	-	5281	5826	4623	5168	4592	5136		218	310	651	270	135	2172
BDM_1001C	-	-	-	-	5946	6491	5288	5833	5256	5800		256	364	765	297	148	2549
BDM_1001D	-	-	-	-	6247	6792	5589	6135	5558	6103		285	409	859	331	165	2863
BDM_1002A	-	-	-	-	8841	9311	7524	7994	7461	7930		390	561	1178	481	241	3927
BDM_1002B	-	-	-	-	9604	10073	8288	8758	8223	8693		435	621	1302	540	270	4343
BDM_1002C	-	-	-	-	10488	10957	9172	9642	9107	9577		511	728	1529	594	297	5098
BDM_1002D	-	-	-	-	11656	12126	10340	10810	10276	10745		571	818	1718	662	331	5727
BDM_1003A	-	-	-	-	12404	12800	10430	10826	10333	10730		585	841	1767	722	361	5890
BDM_1003B	-	-	-	-	13453	13850	11478	11876	11383	11779		653	931	1954	810	405	6515
BDM_1003C	-	-	-	-	14687	15083	12713	13109	12616	13012		767	1092	2294	890	445	7648
BDM_1003D	-	-	-	-	16820	17217	14846	15242	14749	15147		856	1227	2576	992	496	8590
BDM_1004A	-	-	-	-	16526	17205	13893	14574	13765	14445		781	1121	2356	963	481	7854
BDM_1004B	-	-	-	-	17923	18604	15291	15971	15163	15843		871	1241	2605	1080	540	8687
BDM_1004C	-	-	-	-	19700	20380	17068	17749	16940	17620		1023	1456	3059	1187	594	10197
BDM_1004D	-	-	-	-	21276	21956	18644	19323	18515	19195		1142	1636	3435	1323	662	11453

Accessories and options

Electrical options													
Model	RCPL												
	SW	EMC	CB	Switch board									
				B	BS	BT	BST	BFT			BSFT		
								T	S	L	T	S	L
BDM													
631	121	165	265	2031	2294	2625	2855	-	3200	3200	-	3430	3430
632	243	330	332	2031	2294	2625	2855	-	3405	3405	-	3636	3636
633	363	496	649	2220	2813	2779	3077	-	3617	3617	-	3881	3881
634	485	661	909	3027	3390	3587	3951	-	3205	4425	-	3469	4689
631L	121	165	265	2031	2294	2625	2855	-	3200	3200	-	3430	3430
632L	243	330	332	2031	2294	2625	2855	-	3405	3405	-	3636	3636
633L	363	496	649	2220	2813	2779	3077	-	3617	3617	-	3881	3881
801	121	165	328	1827	2057	2417	2614	-	3205	3205	-	3403	3403
802	243	330	536	2035	2298	2625	2855	-	3429	3429	-	3660	3660
803	363	496	647	2228	2822	2781	3078	-	3688	3655	-	3952	3920
804	485	661	932	3044	3406	3589	3953	-	4513	4482	-	4778	4745
805	606	826	1029	3272	3700	3798	4195	-	4963	4763	-	5261	5061
901	121	165	338	1827	2057	2420	2617	3212	3212	3212	3410	3410	3410
902	243	330	520	2035	2298	2628	2860	3470	3438	3438	3700	3668	3668
903	363	496	647	2228	2822	2789	3086	4241	3712	3678	4504	3975	3942
904	485	661	932	3044	3406	3604	3966	5173	4547	4513	5437	4810	4778
1001	121	165	338	1827	2057	2420	2617	-	-	3212	-	-	3410
1002	243	330	520	2035	2298	2628	2860	-	-	3438	-	-	3668
1003	363	496	647	2228	2822	2789	3086	-	-	3712	-	-	3975
1004	485	661	932	3044	3406	3604	3966	-	-	4746	-	-	5009

The price option is intended for single unit. For all these option the equipment is cabled to the electric motors terminal box. Noise Level: T, S, L, Q, R

SW: Local safety switch
BS: Basic switch board + signal
BST: Basic Switch Board+Signal+Fan Step Control Temp.
EMC: Local safety switch EMC
CB: Terminal box
BFT: Basic switchboard + fan speed control temp. C option included
B: Basic switch board
BT: Basic switchboard + fan step control temp.
BSFT: Basic switchboard + signal + fan speed control temp. C option included

Switch board options	
Option to be added to the switch board.	**All models**
R Anti-condensate resistor 230Vac (Max operating temperature -25°C)	**271**
C Cooling fan 230Vac (max. operating temperature + 50°C)	**303**
F Cooling fan + Anti-condensate resistor (operating temperature -25 + 50°C)	**574**

Model	RCPL									
	BI					BIC				
	T	S	L	Q	R	T	S	L	Q	R
BDM										
631	-	-	-	-	-	-	-	-	-	-
632	-	-	-	-	-	-	-	-	-	-
633	-	4176	3069	3069	3069	-	-	-	-	-
634	-	4617	3474	3325	3325	-	-	-	-	-
631L	-	-	-	-	-	-	-	-	-	-
632L	-	-	-	-	-	-	-	-	-	-
633L	-	4192	3086	3086	3086	-	-	-	-	-
801	-	-	-	-	-	-	-	-	-	-
802	-	-	-	-	-	-	-	-	-	-
803	-	4009	3251	3102	3102	-	-	-	-	-
804	-	4486	4286	3528	3379	-	-	-	-	-
805	-	5151	4766	4008	3859	-	-	-	-	-
901	-	-	-	-	-	-	-	-	-	-
902	-	-	-	-	-	-	-	-	-	-
903	4410	4025	3267	3118	3118	-	-	-	-	-
904	6144	4513	4314	3407	3407	-	-	-	-	-
1001	-	-	-	-	-	-	-	-	-	-
1002	-	-	-	-	-	-	-	-	-	-
1003	-	-	4025	3267	3118	-	-	-	-	-
1004	-	-	4513	3556	3556	-	-	-	-	-

BI Inverter equipment + switchboard by Ziehl-Abegg with integrated Sinus Filter (shielded cable not required). Operating temperature range: -20/+55°C (the equipment have to be always powered).

BIC Electrical Cabinet with Inverter equipment by ABB. Shielded cable included. Operating temperature range: -25/+55°C (the equipment have to be always powered). With BIC is possible to install only EMC.

BI/BIC Options	
Option to be added to the switch board.	**All models**
R Anti-condensate resistor 230Vac (Max operating temperature -25°C)	**271**
C Cooling fan 230Vac (max. operating temperature + 50°C)	Already included

Fan motors											
Axial fan	Model	Code number					RCPL				
		T	S	L	Q	R	T	S	L	Q	R
Fan motor 230V/1ph - 50/60 Hz, IP54. **Extra price for each fan.**	Ø 630 (50 Hz)	-	-	41101301	41101303	-	-	-	NEP	NEP	-
	Ø 630 (60 Hz)	-	-	41101266	41101303	-	-	-	**314**	NEP	-
		T	**S**	**L**	**Q**	**R**	**T**	**S**	**L**	**Q**	**R**
Fan motor 400V/3ph-60 Hz, IP54, 460V/3ph-60 Hz, IP54, **Extra price for each fan.**	Ø 630	-	41101163	41101263	41101264	41101265	-	**162**	**32**	**51**	**114**
	Ø 800	-	41103044	41103045	41103048	41101306	-	**435**	NEP	NEP	NEP
	Ø 910	41101299	41101270	41101268	41101269	41101310	NEP	**208**	**288**	**201**	NEP
	Ø 1000	-	-	-	41101271	41101272	-	-	-	NEP	NEP
N.E.P: no extra price											
Explosion-proof fan motor											
On request											

EC technology fans(Etavent)	Model	Code number					RCPL									
							EC fan to max speed, not wiring, not setting					EC fan wiring and setting				
		T	S	L	Q	R	T	S	L	Q	R	T	S	L	Q	R
380-460V/3/50-60Hz **Extra price for each fan**	Ø 630	—	41103030	41101336				**698**	**850**	**860**	**860**	-	**872**	**1062**	**1074**	**1074**
	Ø 630L	—	41103030	41101336				**698**	**850**	**860**	**860**	-	**872**	**1062**	**1074**	**1074**
	Ø 800	—	41103032	41101324				**856**	**848**	**857**	**836**	-	**1070**	**1060**	**1071**	**1045**
	Ø 910	NA	41103031	41101334			**584**	**754**	**765**	**762**	**755**	**730**	**942**	**956**	**953**	**944**
	Ø 1000	—	—	41101337					**529**	**872**	**851**	-	-	**661**	**1089**	**1064**

Always specify type unit programming required. N.E.P: no extra price. NA = Not Available. CB: terminal box.

Coil options	Support kit options							
Model	Feet						Vibration dampers	
	H850 mm		H500 mm		A			
	Code	RCPL	Code	RCPL	Code	RCPL	Code	RCPL
631	10999206	**481**	10999203	**343**	10999209	**361**	10999345	**149**
632	10999206	**481**	10999203	**343**	10999209	**361**	10999345	**149**
633	10999206	**481**	10999203	**343**	10999209	**361**	10999345	**149**
634	10999207	**694**	10999204	**487**	10999210	**515**	10999346	**364**
631L	10999206	**481**	10999203	**343**	10999209	**361**	10999345	**149**
632L	10999206	**481**	10999203	**343**	10999209	**361**	10999345	**149**
633L	10999206	**481**	10999203	**343**	10999209	**361**	10999345	**149**
801	10999206	**481**	10999203	**343**	10999209	**361**	10999345	**149**
802	10999206	**481**	10999203	**343**	10999209	**361**	10999345	**149**
803	10999206	**481**	10999203	**343**	10999209	**361**	10999345	**149**
804	10999207	**694**	10999204	**487**	10999210	**515**	10999346	**364**
805	10999208	**910**	10999205	**632**	10999211	**670**	10999347	**486**
901	10999206	**481**	10999203	**343**	10999209	**361**	10999345	**149**
902	10999206	**481**	10999203	**343**	10999209	**361**	10999345	**149**
903	10999206	**481**	10999203	**343**	10999209	**361**	10999078	**244**
904	10999207	**694**	10999204	**487**	10999210	**515**	10999346	**364**
1001	10999206	**481**	10999203	**343**	10999209	**361**	10999345	**149**
1002	10999206	**481**	10999203	**343**	10999209	**361**	10999345	**149**
1003	10999206	**481**	10999203	**343**	10999209	**361**	10999078	**244**
1004	10999207	**694**	10999204	**487**	10999210	**515**	10999346	**364**

The price option is intended for single unit.

Kit of support feet:

V: Vertical position

H: Horizontal position

A Feet adjustable from 350 to 950 mm

The vibration dampers are delivered without bolts and nuts.

N.E.P.: no extra price

Flanges stainless steel		
These loose flanges are connected to the manifold.	**Connection**	**RCPL**
Price for couple of connections:		
PN16 DN32 - AISI	1"	**286**
PN16 DN40 - AISI	1"1/2	**308**
PN16 DN50 - AISI	2"	**384**
PN16 DN65 - AISI	2"1/2	**469**
PN16 DN80 - AISI	3"	**545**
PN16 DN100 - AISI	4"	**595**

General description

Specifications	
Series	BDD/BDD6: Double fan row
Coil material	BD: Cu tubes and Al fins
Type	Dry coolers
Fan diameter	Ø800, Ø910, Ø1000
Size	Ø800: 2-6 dfm, Ø910: 2-5 dfm, Ø1000: 2-5 dfm
Noise level	T (910), S (800, 910), L/Q/R (800, 910, 1000)
Std Power supply	3/400 V - 50Hz
Mounting position	H: vertical air flow
	V: horizontal air flow
Options	Coil corrosion protection: Coil coating, and fins seawater resistant aluminium alloy 57S/5052
	EC technology fans
	Special fan motors: 480/3/60 (IP54), protection class IP55, high-temperature motors, explosion proof motors
	Electrical options: isolating switch, motors wired to a common terminal box, switchboard (IP55), EMC approved components, fan step control, fan speed control, frequency control, inverter equipment
	Vibration dampers
	Spray water

dfm: Double fan motor

Application:

The AlfaBlue Dry Coolers can be used in refrigeration, air conditioning equipment and in Industrial Cooling (cooling of water or other different fluids, Food, Power, Process and general Industry).

Capacity

Nominal capacity according to standard ENV 327: 82-1028 kW.

Frame and casework

Casework made with galvanized steel sheets painted. The design frame provides high rigidity also for heavy applications. The system protects the heat exchanger tubes during transportation and operation against vibration and thermal expansion. Support manufactured in galvanized steel, with optimized length to permit uniform air suction in the coil

Heat exchangers

An innovative coil design provides excellent heat transfer. In standard execution dry coolers are fitted with smooth copper tubing (1/2” or 3/8”).
Available with two Alu-fin types:
Turbo fins for maximized capacity
Industrial power fins for long lasting performance
Available in different fin thicknesses and fin spacings. Coil configuration optimized according to liquid flow.
Separate connections in the D series provide the opportunity for independent operation of both coils.

Fan motors

On the BDD and BDD6, 800, 910, 1000 mm with three-phase motor 400V-50Hz. The motors are with external rotor, protection class IP54 according to DIN 40050. BDD/BDD6 Integrated thermal protection by thermo contacts provides reliable protection against thermal overload. These Dry Coolers are available in five noise levels fan motor, (S) standard, (L) low, (Q) quiet, (R) residential and the new (T) high performance fan. Dry coolers BDD/BDD6 800 mm fans are available in 4 noises level fan motor, (S), (L), (Q) (R). Dry Coolers BDD/BDD6 910 are available in 5 noises level fan motor, (T) , (S) , (L) , (Q) and (R). Dry Coolers BDD/BDD6 1000 are available in 3 noises level fan motor, (L), (Q) and (R).
New bell mouths optimize the performance of the fan motors and minimize the noise level. Each fan chamber is separated by internal baffle plates which enables optimal capacity control by separate running of the fans.

Certification

The Alfa Laval quality system is in accordance with ISO 9001.
All products are manufactured to CE rules.
All series of dry coolers have performance certified by Eurovent

Selection & Prices

Complete air cooler selection and all prices may to be performed with our AlfaSelect Air Software.

General description

Specifications		
Series	Solar	
Coil material	CA: Cu tubes and Al fins	
	CC: Cu tubes and Cu fins	
	Ep: Cu tubes and epoxy coated fins	
Type	G: Dry coolers	
Size	for 914Ø: 111-153 single fan row and 221-274 double fan row	
	for 1240Ø: 221-274 single fan row	
Special Model	-: Standard model	
	E:Special Model (has to be specified in the order)	
Fan diameter	09: 914 mm	12:1240 mm
Fan speed	06: 950 rpm	12: 470 rpm
	08: 720 rpm	16: 350 rpm
	10: 560 rpm	
Std Power supply	N5: 3/400 V/50Hz (STD)	N7: 3/230 V/50 Hz (not available for 11kW 950 rpm fan)
	N6: 3/440 V/60 Hz	NE: special network
Mounting position	H: vertical air flow	V: horizontal air flow
Options	Step Control	Motor heater
	Stepless fan speed control with Frequency Converter	Fans wired to power box fitted at dry coolers
	EMC cables, glads and safety switches for each fan	Forced draught
	Motors with thermal overland switches wired to safety switch provided with auxiliary contact	Special paint for casing

Application

Air cooled Solar dry coolers are designed for commercial, industrial, and air conditioning applications. With a wide range of sound level alternatives these units are particularly suited to demanding, noise sensitive environments.

Capacity

Nominal capacity according to standard ENV 327: 37-1651 kW.

Frame and casework

Casing material is hot dip galvanised steel.

Heat exchangers

The heat transfer section is made of copper tubes and aluminium fins. Standard fin spacing is 2.3 mm. Other fin materials and spacings are available as option. Dry coolers are provided with venting and draining valves. Note: standard coil cannot be drained completely.

Fan motors

All fans are fitted with squirrel cage motors built to IEC standards.
Technical data, standard motors:

- Power supply: 3/400V/50Hz...3/440V/50Hz
- Protection: IP54
- Insulation class: F
- Operating temp.: -35ºC...+60ºC
- Motors are wired to the fans' safety switches (IP65) located near each fan.

For other power supplies and operating temperatures, please contact Alfa Laval Vantaa for a special selection. If required, motors can be supplied fitted with integral thermal overload switches (Klixon type), option reference THC. If required, units can be supplied with factory fitted EMC cables, safety switches and glands to EN61800-3, option reference EMC. Most fans can be supplied with "explosion proof" (EX) motors to special order.

Certification

The Alfa Laval quality system is in accordance with ISO 9001.
All products are manufactured to CE rules.
All series of dry coolers have performance certified by Eurovent

Selection & Prices

Complete air cooler selection may be performed with our FincoilSelect Air Software.

General description

Specifications	
Series	VDD/VDD6
Coil material	Cu tubes and Al fins
Type	Dry coolers
Fan diameter	Ø 800/910/1000
Size	2-8 dfm
Noise level	T (910), S (800, 910), L/Q/R (800, 910, 1000)
Std Power supply	3/400V-50Hz
Options	Coil corrosion protection: Coil coating, and fins seawater resistant aluminium alloy 57S/5052
	EC technology fans
	Special fan motors: 480/3/60 (IP54), protection class IP55, high-temperature motors, explosion proof motors
	Electrical options: isolating switch, motors wired to a common terminal box, switchboard (IP55), EMC approved components, fan step control, fan speed control, frequency control, inverter equipment
	Vibration dampers
	Spray water
	Skid container

dfm: Double fan motor

Application

Refrigeration of liquids for:
- Industrial refrigeration;
- Food, Power, Process & General Industry;
- Air Conditioning.

Capacity

Nominal capacity according to standard EN 1048: 54-1600 kW

Frame and casework

Casework made with galvanized steel sheets painted with epoxy finish, RAL 9002, while supports and frame galvanized steel bars provide high rigidity also for heavy applications.

Simplest heat exchangers maintenance thanks full accessibility of the unit with fan motor bell mouths easily removable.

Heat exchangers

“V type” design provides large capacity with compact size. The heat exchanger design gives heat transfer with minimized fluid volume, thanks fins corrugation, combined with smooth tubes. Heat exchange from aluminium fins and copper tubes with nominal diameter 1/2" or 5/8". The fin spacing is 2.1 mm.

Double connections provides opportunity for two completely independent heat exchangers.

Fan motors

Three different diameter: 800, 910, 1000 mm with three-phase motor 400V-50Hz. The motors are with external rotor, protection class IP 54 according to DIN 40050. Integrated thermal protection by thermo contacts provides reliable protection against thermal overload. Five noise levels fan motor: (T) high performance fan, (S) standard, (L) low, (Q) quiet, (R) residential.

Certification

The Alfa Laval quality system is in accordance with ISO 9001.
All products are manufactured to CE rules.
All series of dry coolers have performance certified by Eurovent

Selection & Prices

Complete air cooler selection and all prices may to be performed with our AlfaSelect Air Software.

General description

Specifications		
Series	Solar SXG	
Coil material	CA: Cu tubes and Al fins	
Special Model	-: Standard model	
	E: Special Model (have to be specify in the order), epoxy or Cu fins.	
Fan diameter	914 mm - Double fan row	1240 mm - Single fan row
Fan speed	950 rpm	470 rpm
	720 rpm	350 rpm
	560 rpm	
Std Power supply	3/400 V/50Hz	3/230 V/50Hz (not available for 11kW 950 rpm fan)
	3/440 V/50Hz	
Options	Spray water	Step Control
	Vibration dampers	Fan speed control with Frequency Converter
	Epoxy coated aluminium fins	

Application

The Solar Max dry coolers are designed for commercial and industrial cooling and refrigeration plants. Due to its construction, the range is especially suitable when high capacity relative to available space, low energy consumption or low noise levels are required.

Capacity

Nominal capacity according to standard EN 1048: 146-1638kW.

Frame and casework

Casing material is hot dip galvanised steel.

Heat exchangers

The heat transfer section is made of copper tubes and aluminium fins. Standard fin spacing is 2.3 mm. As an option, aluminium fins with epoxy coating are also available. They extend the working life of the coil in urban and coastal environments. The capacity correction factor for epoxy-coated aluminium fins is 0.97.

Fan motors

All fans are fitted with squirrel cage motors built to IEC standards.
Technical data, standard motors:

- Power supply: 3/400V/50Hz...3/440V/50Hz
- Protection: IP54
- Insulation class: F
- Operating temp.: -35ºC...+60ºC
- Motors are wired to the fans' safety switches (IP65) located near each fan.

Certification

The Alfa Laval quality system is in accordance with ISO 9001.
All products are manufactured to CE rules.
All series of dry coolers have performance certified by Eurovent

Selection & Prices

Complete air cooler selection may be performed with our FincoilSelect Air Software.

AHE Selection
Fincoil Select

General description

Specifications		
Series/Coil material	ZAG: F1 finned coil, specially electrogalvanised steel tube with aluminium fins (FeZn/Al)	
	ZZG: A1 finned coil, totally hot dip galvanised steel (FeZn/FeZn)	
Special Model	-: Standard model	
	E: Special Model (have to be specify in the order)	
Fan diameter	914 mm - single and double fan row	
	1240 mm - Single fan row	
Fan speed	950 rpm (excluded 1240 mm)	470 rpm
	720 rpm	350 rpm
	560 rpm	
Std Power supply	3/400 V/50Hz	3/230 V/50Hz
	3/440 V/50Hz	
Refrigerant	Depend from application	
Options	Spray water	Extra high feet
	excluded	Vibration dampers
	Multicircuited	

Application

Solar air cooled liquid cooler with steel tubes are suitable for corrosive environment. The heat transfer section is alternatively made of specially electrogalvanised steel tubes or stainless steel tubes with aluminium fins, or of totally hot dip galvanised steel block. The units are designed for outdoor use and can be installed either with their air flow upwards or horizontally.

Capacity

Nominal capacity according to standard ENV 327: 66-948kW.

Frame and casework

Sturdy, monocoque structure made of hot dip galvanised steel. Other parts are of stainless or efficiently corrosion-protected material.

Heat exchangers

Series ZA: F1 finned coil, nominal tube diam. 17 mm, fin spacing 2.5 mm (also fin spacings of 3.0 or 4.0 mm available), specially electrogalvanised steel tube with aluminium fins (epoxycoated fins as alternative).
Series ZZ: A1 finned coil of totally hot dip galvanised steel, fin spacing 3.1 mm (also 4.5 mm available). For conditions, where the condensers rapidly get dirty, a fin spacing of min. 4.0 mm is recommended.
Two mounting positions : H = air flow upwards, V =horizontal air flow. Heat transfer section can be multicircuited.

Fan motors

All fans are fitted with squirrel cage motors built to IEC standards.
Technical data, standard motors:

- Power supply: 3/400V/50Hz...3/440V/50Hz
- Protection: IP54
- Insulation class: F
- Operating temp.: -35ºC...+60ºC
- Motors are wired to the fans' safety switches (IP65) located near each fan.

Selection & Prices

Complete air cooler selection may be performed with our FincoilSelect Air Software.

AHE Selection
Fincoil Select

General description

Specifications	
Series	BRCT, BRMT, BRCS, BRMS, BRCL, BRML, BRCQ, BRMQ
Fan diameter	910 mm
Size	1-5 sfm
Coil size	A,B,C,D,E,F
Options	Coil corrosion protection: Coil coating, and fins seawater resistant aluminium alloy 57S/5052
	Electrical options: isolating switch, motors wired to a common terminal box, switchboard (IP55), EMC approved components, fan step control, fan speed control, frequency control, inverter equipment
	Vibration dampers

sfm: single fan motor

Application

The AlfaBlue Reverse Dry Coolers can be used in cooling of water or other in: Process and general Industry, Diesel & Biodiesel Gas power plants, Steel, Chemical and Food.

Capacity

Nominal capacity range: 150-1600 kW (ΔT(Tinliq-Tinair) =50°C).

Frame and casework

Casework and supports for horizontal installation made of galvanized steel sheets (optional: double painted). Design frame provides high rigidity also for heavy applications. Feet supports are manufactured in galvanized steel, designed to optimized air flow through the coil. Coil accessible and fan motors removable for heat exchanger washing. Coil's grid protection (optional).

Heat exchangers

Innovative heat exchanger gives excellent heat transfer with minimized fluid volume. The RBM use the new geometry coil and are designed with one row of fan motors. In the standard execution, the heat exchanger is made in aluminum fins and copper tubes (optional inox up to C coil size). The fin spacing is from 2.1 mm to 4 mm. Each connection is flanged using loose flanges (except when "termogard" treatment is required). Single and Combined version coils (LT and HT). RBM as standard is provided with two side by side independent coils. Each manifold provided with draining and venting nozzles. Each heat exchanger undergoes a pressure and leaking test with dry air at 10bar (Design pressure is 9bar).

Fan motors

One fan diameter available: 910 mm blowing forced fan motors. Standard fan motors are 400V/3Ph - 50Hz. The motors are with external rotor, made in accordance with VDE 0530/12.84. Protection class IP 54 according to DIN 40050. Integrated thermal protection by thermo contacts provides reliable protection against thermal overload. Different motor types and number of poles to optimize the performance and minimize the noise level (T high performance fan, S standard, L low, Q quiet).

Certification

The Alfa Laval quality system is in accordance with ISO 9001.
All products are manufactured to CE rules.

Selection & Prices

Complete air cooler selection and all prices may to be performed with our AlfaSelect Air Software.

General description

Specifications	
Series	BRDT, BRD6T, BRDS, BRD6S, BRDL, BRD6L, BRDQ, BRD6Q
Fan diameter	910 mm
Size	2-7 dfm
Coil size	A,B,C,D,E,F
Options	Coil corrosion protection: Coil coating, and fins seawater resistant aluminium alloy 57S/5052
	Electrical options: isolating switch, motors wired to a common terminal box, switchboard (IP55), EMC approved components, fan step control, fan speed control, frequency control, inverter equipment
	Vibration dampers

dfm: Double fan motor

Application

The AlfaBlue Reverse Dry Coolers can be used in cooling of water or other in: Process and general Industry, Diesel & Biodiesel Gas power plants, Steel, Chemical and Food..

Capacity

Nominal capacity range: 230- 3500 kW (ΔT(Tinliq-Tinair) =50°C).

Frame and casework

Casework and supports for horizontal installation made of galvanized steel sheets (optional: double painted). Design frame provides high rigidity also for heavy applications. Feet supports are manufactured in galvanized steel, designed to optimized air flow through the coil. Coil accessible and fan motors removable for heat exchanger washing. Coil's grid protection (optional).

Heat exchangers

Innovative heat exchanger gives excellent heat transfer with minimized fluid volume combined with two different tube sizes (RBD) and (RBD6). The RBD/RBD6 use the new geometry coil and are designed with two rows of fan motors. In the standard execution, the heat exchanger is made in aluminum fins and copper tubes (optional inox up to C coil size). The fin spacing is from 2.1 mm to 4 mm. Each connection is flanged using loose flanges (except when "termogard" treatment is required). Single and Combined version coils (LT and HT). RBD as standard is provided with two side by side independent coils. Each manifold provided with draining and venting nozzles. Each heat exchanger undergoes a pressure and leaking test with dry air at 10bar (Design pressure is 9bar).

Fan motors

One fan diameter available: 910 mm blowing forced fan motors. Standard fan motors are 400V/3Ph - 50Hz. The motors are with external rotor, made in accordance with VDE 0530/12.84. Protection class IP 54 according to DIN 40050. Integrated thermal protection by thermo contacts provides reliable protection against thermal overload. Different motor types and number of poles to optimize the performance and minimize the noise level (T high performance fan, S standard, L low, Q quiet).

Certification

The Alfa Laval quality system is in accordance with ISO 9001.
All products are manufactured to CE rules.

Selection & Prices

Complete air cooler selection and all prices may to be performed with our AlfaSelect Air Software.

Alfa Laval Air Coolers

Technical specifications

Technical specifications								
Geometry	Cooler model	Capacity	Air vol.	Coil material	Refrigerant			
		kW (1)	m^3/h		(H)CFC	NH_3	CO_2	Brine
Draw through unit coolers	AIRMAX II	6 - 200	8000 - 127000	Cu/AL - SS/Al	X	X	X	X
	ALFACUBIC	1.5 - 57	1500 - 30000	Cu/AL - SS/Al	X	X	X	X
	HELPMAN THOR-A	4 - 41	-	Cu/Al	X		X	X
	HELPMAN THOR-Z	5 - 115	4000 - 67000	Cu/Al	X		X	X
	HELPMAN TYR-A	4 - 41	-	SS/Al	X	X	X	X
	HELPMAN TYR-Z	5 - 115	4000 - 67000	SS/Al	X	X	X	X
	HELPMAN ZLA	4 - 125	4000 - 63000	FeZn	X	X		X
	HELPMAN HRC	12 - 29	-	Cu/Al	X			X
	FINCOIL POLAR CAT (G)	1.1 - 44	720 - 17420	Cu/Al	X		X	X
	FINCOIL AHB(G)	1.8 - 189	2160 - 88560	FeZn	X	X	X	X
Blow through unit coolers	HELPMAN LEX	1.3 - 40	1080 - 26000	Cu/Al	X			
	HELPMAN LFX	7 - 29	5100 - 22400	Cu/Al	X			X
	HELPMAN THOR-B	5 - 115	4000 - 67000	Cu/Al	X		X	X
	HELPMAN THOR-F	18 - 52	13000 - 36000	Cu/Al	X		X	X
	HELPMAN TYR-B	5 - 115	4000 - 67000	SS/Al	X	X	X	X
	HELPMAN TYR-F	18 - 52	13000 - 36000	SS/Al	X	X	X	X
	FINCOIL POLAR CAT (G)	1.1 - 44	720 - 17420	Cu/Al	X		X	X
	FINCOIL AHB(G)	1.8 - 189	2160 - 88560	FeZn	X	X	X	X
Low silhouette	SLIM	1 - 3	900 - 2500	Cu/Al	X			X
	HELPMAN PX	1.4 - 8.8	1000 - 6000	Cu/Al	X			
Mini	COMPACT	0.5 - 1.5	440 - 980	Cu/Al	X			X
	HELPMAN PLV	0.4 - 1.6	450 - 1000	Cu/Al	X			
Dual Discharge	AlfaTop	0.4 - 2.23	450 - 1560	Cu/AL	X	X	X	X
	BFG/B	3.5 - 32	3800 - 18300	Cu/AL - SS/Al	X	X	X	X
	TOP	1.2 - 10.3	1400 - 7100	Cu/AL - SS/Al				X
	TFG	3.5 - 32	2800 - 15300	Cu/AL - SS/Al	X	X	X	X
	BIG TOP	22 - 63	20800 - 40800	Cu/AL - SS/Al	X	X	X	X
	HELPMAN THOR-D	4.5 - 123	3000 - 60000	Cu/Al	X		X	X
	HELPMAN TYR-D	4.5 - 123	3000 - 60000	SS/Al	X	X	X	X
	HELPMAN HRC-D	8 - 38	-	Cu/Al	X			X
	FINCOIL POLAR CAT DUO (G)	1.1 - 5.2	580 - 2950	Cu/Al	X		X	X
	FINCOIL FMP(G)	3.1 - 73	2520 - 36360	Cu/Al	X	X	X	X
	FINCOIL AMK(G)	1.6 - 106	2160 - 48600	FeZn	X	X	X	X
Blast freezer	ALFA BLAST	12 - 117	13600 - 74200	Cu/AL - SS/Al	X	X	X	X
	HELPMAN THOR-T	11 - 114	11800 - 66400	Cu/Al	X		X	X
	HELPMAN TYR-T	11 - 114	11800 - 66400	SS/Al	X	X	X	X
Centrifugal	ISC	12 - 60	9300 - 28700	Cu/Al	X			X
Gravity coils	FINCOIL FK(G)	0.2 - 4.5	-	Cu/Al	X		X	X

Applications												
Geometry	Cooler model	Applications			Temp. area		General packed	Agricul-tural (2)	Meat	Air-sock	Process-ing (3)	Banana ripening
		Small	Medium	Large	Cooling	Freezing						
Draw through unit coolers	AIRMAX II		X	X	X	X			X	X	X	
	ALFACUBIC	X	X		X	X	X					
	CUBIC-PLASTIC	X	X		X	X	X					
	HELPMAN THOR-A		X		X					X	X	
	HELPMAN THOR-Z		X	X	X	X			X			
	HELPMAN TYR-A		X		X					X	X	
	HELPMAN TYR-Z		X	X	X	X			X			
	HELPMAN ZLA		X	X	X	X			X			
	HELPMAN HRC	8 - 28 pallets										TARP
	FINCOIL POLAR CAT (G)	X	X		X	X	X	X	X	X		
	FINCOIL AHB(G)		X	X	X	X			X	X		
Blow through unit coolers	HELPMAN LEX	X	X		X	X	X	X	X			
	HELPMAN LFX	X	X		X			X				
	HELPMAN THOR-B		X	X	X	X		X	X			
	HELPMAN THOR-F		X	X	X			X				
	HELPMAN TYR-B		X	X	X	X		X	X			
	HELPMAN TYR-F		X	X	X			X				
	FINCOIL POLAR CAT (G)	X	X		X	X	X	X	X	X		
	FINCOIL AHB(G)		X	X	X	X			X	X		
Low silhouette	SLIM	X										
	HELPMAN PX	X	X		X	X	X					
Mini	COMPACT	X										
	HELPMAN PLV	X			X	X	X					
Dual Discharge	AlfaTop	X	X		X	X		X	X		X	
	BFG/B	X	X		X	X		X	X		X	
	TFG	X	X		X	X		X	X		X	
	TOP	X	X		X	X		X	X		X	
	BIG TOP		X	X	X	X		X	X		X	
	HELPMAN THOR-D		X	X	X	X		X	X		X	
	HELPMAN TYR-D		X	X	X	X		X	X		X	
	HELPMAN HRC-D	6 - 30 pallets										AIRBAG
	FINCOIL POLAR CAT DUO (G)	X			X						X	
	FINCOIL FMP(G)		X	X	X	X		X	X		X	
	FINCOIL AMK(G)		X	X	X	X		X	X		X	
Blast freezer	ALFA BLAST			X	X	X			X			
	HELPMAN THOR-T			X	X	X			X			
	HELPMAN TYR-T			X	X	X			X			
Centrifugal	ISC		X	X	X					X	X	
Gravity coils	FINCOIL FK(G)	X			X						X	

Not all applications that are theoretically possible are listed in the tables, only the most common.
1) Nominal capacities according to Eurovent SC2
2) Optimised capacity/air volume ratio
3) Low air velocity

General description

Specifications	
Coil	Cu tubing, Alu fins
Air direction	Blow-through
Fans	1–3
Fin spacing	4 or 6 mm
Evaporating temperatures	+5 °C to -35 °C
Capacity range	400–2230W
Refrigerant	All H(C)FC, CO_2
Refrigerant system	DX, pumped
Options	
Electric defrost	E2
Drip tray for wall mounting	W

For detailed information see brochure: 50.04 (available at www.helpman.com)

Application

Helpman PLV coolers are commercial heavy duty mini coolers for general application in small size cooling and freezing rooms. The model design is characterised by a very low silhouette (all models 15 cm) for the efficient use of cold room space. Helpman PLV coolers are available from stock.

Capacity

Nominal capacities 400 to 2230 W (lightly frosted coil, R-404A, Eurovent SC2). Air flow 450 up to 1560 m^3/h. Eflo® refrigerant circuiting for higher effective cooling capacity.

Coil

Coil manufactured from Cu ripple fin® tubes Ø 1/2" and Alu-fins, tube pitch 38 x 38 mm square.

Casing

Durable aluminium casing, white epoxy coated RAL 9003. Easy installation and maintenance thanks to hinged drip tray construction. Helpman PLV coolers may be supplied with a drip tray for wall mounting.

Fan motors

Blow-through fans, diameter Ø 254 mm. Fan motor protection class IP-44. Fans are fitted with balanced aluminium fan blades and plastic fan guards.

Certification

All DX cooler models are "Eurovent Certify All" certified. The Alfa Laval quality system is in accordance with ISO 9001. All products are manufactured according to CE and PED rules.

Selection & RCPL

Air cooler selection and RCPL pricing may be performed with our 'HelpmanSelect' Air Heat Exchanger selection software.

Selection & RCPL
HelpmanSelect

ДЕ 01

Lloyd's Register
CE 0343
FULL QUALITY ASSURANCE
PED B+D/D1

EUROVENT
CERTIFIED PERFORMANCE
CERTIFY-ALL

Prices

Type/code		Fans	Cap.*kW	Air vol.m³/h	RCPL
Standard	HELPMAN PLV 13-4	1	490	500	**244**
	HELPMAN PLV 14-4	1	650	475	**262**
	HELPMAN PLV 15-4	1	760	450	**286**
	HELPMAN PLV 23-4	2	1160	1000	**359**
	HELPMAN PLV 24-4	2	1440	950	**376**
	HELPMAN PLV 25-4	2	1590	900	**398**
	HELPMAN PLV 33-4	3	1720	1500	**516**
	HELPMAN PLV 34-4	3	2040	1425	**542**
	HELPMAN PLV 35-4	3	2230	1350	**574**
	HELPMAN PLV 13-6	1	400	520	**237**
	HELPMAN PLV 14-6	1	550	495	**260**
	HELPMAN PLV 15-6	1	650	475	**278**
	HELPMAN PLV 23-6	2	960	1040	**349**
	HELPMAN PLV 24-6	2	1220	990	**362**
	HELPMAN PLV 25-6	2	1400	950	**385**
	HELPMAN PLV 33-6	3	1470	1560	**508**
	HELPMAN PLV 34-6	3	1790	1485	**528**
	HELPMAN PLV 35-6	3	2015	1425	**555**
Electric defrost E2	HELPMAN PLV 13-4	1	490	500	**298**
	HELPMAN PLV 14-4	1	650	475	**316**
	HELPMAN PLV 15-4	1	760	450	**339**
	HELPMAN PLV 23-4	2	1160	1000	**421**
	HELPMAN PLV 24-4	2	1440	950	**439**
	HELPMAN PLV 25-4	2	1590	900	**460**
	HELPMAN PLV 33-4	3	1720	1500	**589**
	HELPMAN PLV 34-4	3	2040	1425	**615**
	HELPMAN PLV 35-4	3	2230	1350	**647**
	HELPMAN PLV 13-6	1	400	520	**291**
	HELPMAN PLV 14-6	1	550	495	**314**
	HELPMAN PLV 15-6	1	650	475	**332**
	HELPMAN PLV 23-6	2	960	1040	**411**
	HELPMAN PLV 24-6	2	1220	990	**423**
	HELPMAN PLV 25-6	2	1400	950	**446**
	HELPMAN PLV 33-6	3	1470	1560	**580**
	HELPMAN PLV 34-6	3	1790	1485	**601**
	HELPMAN PLV 35-6	3	2015	1425	**628**

* Nominal capacities for R-404A according to Eurovent SC2, lightly frosted coil.

Drip tray for wall mounting (extra price)			
Type/code		Article nr.	RCPL
ALL MODELS	HELPMAN PLV 13-4	46.10.21	**73**
	HELPMAN PLV 14-4	46.10.21	**73**
	HELPMAN PLV 15-4	46.10.21	**73**
	HELPMAN PLV 23-4	46.10.22	**97**
	HELPMAN PLV 24-4	46.10.22	**97**
	HELPMAN PLV 25-4	46.10.22	**97**
	HELPMAN PLV 33-4	na	—
	HELPMAN PLV 34-4	na	—
	HELPMAN PLV 35-4	na	—
	HELPMAN PLV 13-6	46.10.21	**73**
	HELPMAN PLV 14-6	46.10.21	**73**
	HELPMAN PLV 15-6	46.10.21	**73**
	HELPMAN PLV 23-6	46.10.22	**97**
	HELPMAN PLV 24-6	46.10.22	**97**
	HELPMAN PLV 25-6	46.10.22	**97**
	HELPMAN PLV 33-6	na	—
	HELPMAN PLV 34-6	na	—
	HELPMAN PLV 35-6	na	—

NA = Not Available

General description

Specifications	
Coil	Cu tubing, Alu fins
Air direction	Blow-through
Fans	1 - 6
Fin spacing	7 mm
Evaporating temperatures	+5 °C to -35 °C
Capacity range	1.4 - 8.8 kW
Refrigerant	All H(C)FC, CO_2
Refrigerant system	DX, pumped
Options	
Electric defrost	E2

For detailed information see brochure: 50.03 (available at www.helpman.com)

Application

Helpman PX coolers are commercial heavy duty unit coolers for general application in small to medium size cooling and freezing rooms. The model design is characterised by a low silhouette for the efficient use of cold room space. Helpman PX coolers are available from stock.

Capacity

Nominal capacities 1.4 to 8.8 kW (lightly frosted coil, R-404A, Eurovent SC2). Air flow 1,000 up to 6,000 m^3/h. Eflo® refrigerant circuiting for higher effective cooling capacity.

Coil

Coil manufactured from Cu ripple fin® tubes Ø 1/2” and Alu-fins, tube pitch 38 x 38 mm square.

Casing

Durable aluminium casing, white epoxy coated RAL 9003. Removable interchangeable side plates for easy access. Sufficient room for fitting the expansion valve inside casing. All models fitted with a splash guard.

Fan motors

Blow-through fans, diameter 254 mm. Enclosed design spray-tight fan motors, protection class IP-55. Motors are equipped with a thermal safety device in the windings, connected to separate terminals in the box.

Certification

All DX cooler models are “Eurovent Certify All” certified. The Alfa Laval quality system is in accordance with ISO 9001. All products are manufactured according to CE and PED rules.

Selection & RCPL

Air cooler selection and RCPL pricing may be performed with our ‘HelpmanSelect’ Air Heat Exchanger selection software.

Selection & RCPL
HelpmanSelect

ДЕ 01

Lloyd's Register
CE 0343
FULL QUALITY ASSURANCE
PED B+D/D1

EUROVENT
CERTIFIED PERFORMANCE
CERTIFY-ALL

Prices

Type/code		Fans	Cap.*kW	Air vol. m^3/h	RCPL
Standard	HELPMAN PX 1-7	1	1.4	1000	**789**
	HELPMAN PX 2-7	2	2.9	2000	**1240**
	HELPMAN PX 3-7	3	4.5	3000	**1624**
	HELPMAN PX 4-7	4	6.0	4000	**2111**
	HELPMAN PX 5-7	5	7.4	5000	**2485**
	HELPMAN PX 6-7	6	8.8	6000	**3089**
Electric defrost E2	HELPMAN PX 1-7-E2	1	1.4	1000	**1006**
	HELPMAN PX 2-7-E2	2	2.9	2000	**1475**
	HELPMAN PX 3-7-E2	3	4.5	3000	**1876**
	HELPMAN PX 4-7-E2	4	6.0	4000	**2387**
	HELPMAN PX 5-7-E2	5	7.4	5000	**2798**
	HELPMAN PX 6-7-E2	6	8.8	6000	**3450**

* Nominal capacities for R-404A according to Eurovent SC2, lightly frosted coil.

General description

Specifications	
Series	GL, RL, BL
Size	Ø250 mm: 1-3 fan motors; Ø350 mm: 1-4 fan motors
	Ø400 mm: 1-3 fan motors; Ø500 mm: 2-4 fan motors
Size Coil	Ø250 mm: A,B; Ø350 mm: A,B; Ø400 mm: B,C Ø500 mm: A,B,C
Coil material	Cu tubes and Al fins
	SS tubes and Al fins
Fin spacing	GL: 4 mm
	RL: 5.5 mm
	BL: 7 mm
Applications	E = Direct expansion evaporator
	W = Brine unit cooler (Water /Glycol)
	A = Ammonia pump evaporator
	HP = CO2
Fan diameter	250, 350, 400 and 500 mm
Fan motors	S = Single phase , T = Three phase
Air direction	Single discharge
Defrost	**E**: A = Air, E = Electric , HG = Hot gas , HG+E = Hot gas + electric
	W: A = Air , E = Electric
	A/HP: A = Air , E = Electric , HG = Hot gas , HG+E = Hot gas + electric
Options	
Local safety switch wired; Terminal box	
Different coil treatments and/or materials	
Multiple fin spacing	
Electrical defrost on drip tray only, Cable electrical heater	
Re-heating coil; FE connection	
Insulated drip tray	
Air sock adapter ring; Fan ring heater, AlfaStreamer	

Application

Units designed for use in small and medium cold rooms from 10 to 400 m^3. Models designed for an easy maintenance with immediate access to inspection areas. This series is available as evaporator (DX or Pump, HFC, NH_3 and CO_2) and Brine Unit Coolers. The series is also suitable as HP version (High Pressure) with a design pressure of PS=50bar.

Capacity

Nominal capacity according to ENV328 and EUROVENT rules (SC2): 1,5 - 57 kw.

Coil

Coil manufactured from corrugated aluminium fins and copper rippled tubes nominal diameter 12 mm for DX evaporator and smooth tubes nominal diameter 12 mm for Brine and 16 mm stainless steel tubes for NH_3 units and CO_2 units.

Casing

It's manufactured from pre-painted aluminium sheets RAL 9010. Plastic film to be remove before installation.

Fan motors

Single-phase motors 230V-50Hz, or three phase 400V-50Hz, protection class IP54 according to DIN 40050. Low power consumption. Integrated thermal protection by thermo contacts. This provides reliable protection against thermal overload.

Certification and reliability

About the performance, all DX unit coolers are certified by Eurovent "Certify All".
The Alfa Laval quality system is in accordance with ISO 9001.
All products are manufactured to CE rules.

Selection & Prices

Complete air cooler selection and all prices may to be performed with our AlfaSelect Air Software.
In case of inconsistency of data between this book and selection software, please refer always to the last one.

Prices

A: air defrost
E: Electrical defrost

C: Cataphoresis treatment
EP: epoxy coated aluminium fins.
SS/AL: Coil with stainless steel tubes and aluminium fins

HG2: hot gas loose (coil and drip tray)
HG+E combined: hot gas defrost on coil and electrical defrost

SS/EC: Coil with stainless steel tubes and epoxy coated aluminium fins.
SS: Cabinet all part in stainless steel

Model	RCPL								
Application	Direct Expansion (E)				Special casing Extra price	Coil options Extra price			
Defrost	A	E	HG	HG+E	SS	EP	C	SS/AL	SS/EP
				Ø 250					
Fin spacing 4 mm									
GLE_251A40	578	720	735	711	305	48	169	205	228
GLE_251B40	639	798	796	772	305	53	189	228	253
GLE_252A40	809	962	982	957	426	95	338	410	456
GLE_252B40	907	1091	1080	1055	426	105	378	455	506
GLE_253A40	1103	1285	1304	1274	581	143	507	615	684
GLE_253B40	1222	1428	1424	1393	581	158	567	683	759
Fin spacing 5,5 mm									
RLE_251A55	572	714	730	706	305	47	167	202	224
RLE_251B55	628	786	785	762	305	51	186	223	247
RLE_252A55	796	948	968	944	426	93	334	404	449
RLE_252B55	889	1073	1062	1036	426	103	371	445	495
RLE_253A55	1076	1260	1278	1248	581	140	501	605	673
RLE_253B55	1181	1387	1383	1353	581	154	557	668	742
Fin spacing 7 mm									
BLE_251A70	569	710	726	702	305	46	166	200	223
BLE_251B70	623	782	781	757	305	51	184	220	245
BLE_252A70	789	942	963	937	426	93	332	400	445
BLE_252B70	879	1065	1054	1028	426	102	368	441	490
BLE_253A70	1065	1248	1266	1236	581	139	498	601	668
BLE_253B70	1168	1373	1369	1338	581	154	552	661	736
				Ø 350					
Fin spacing 4 mm									
GLE_351A40	750	915	907	883	387	58	201	254	282
GLE_351B40	848	1031	1006	981	387	66	229	289	322
GLE_352A40	1051	1245	1224	1199	543	115	403	508	564
GLE_352B40	1203	1430	1376	1351	543	131	459	579	643
GLE_353A40	1463	1678	1665	1634	756	173	604	761	846
GLE_353B40	1674	1928	1876	1845	756	197	688	868	965
GLE_354A40	1856	2112	2126	2086	959	230	805	1015	1128
GLE_354B40	2136	2421	2406	2366	959	263	918	1158	1286
Fin spacing 5,5 mm									
RLE_351A55	739	906	898	873	387	56	196	247	274
RLE_351B55	834	1016	991	967	387	63	222	279	310
RLE_352A55	1017	1211	1190	1165	543	112	392	493	548
RLE_352B55	1152	1379	1325	1300	543	126	444	558	620
RLE_353A55	1411	1626	1612	1582	756	168	588	740	822
RLE_353B55	1596	1848	1796	1767	756	190	667	837	930
RLE_354A55	1787	2042	2057	2017	959	224	785	986	1096
RLE_354B55	2029	2315	2298	2259	959	253	889	1116	1240
Fin spacing 7 mm									
BLE_351A70	733	899	890	866	387	55	194	243	270
BLE_351B70	822	1006	980	956	387	62	218	273	303
BLE_352A70	1002	1195	1174	1149	543	110	387	485	539
BLE_352B70	1127	1355	1301	1275	543	124	437	545	607
BLE_353A70	1381	1595	1583	1553	756	165	581	728	809
BLE_353B70	1552	1804	1752	1722	756	186	655	818	910
BLE_354A70	1748	2002	2018	1978	959	219	774	971	1079
BLE_354B70	1973	2259	2242	2204	959	247	874	1091	1213

A: air defrost
E: Electrical defrost

C: Cataphoresis treatment

EP: epoxy coated aluminium fins.
SS/AL: Coil with stainless steel tubes and aluminium fins

HG2: hot gas loose (coil and drip tray)
HG+E combined: hot gas defrost on coil and electrical defrost

SS/EP: Coil with stainless steel tubes and epoxy coated aluminium fins.

SS: Cabinet all part in stainless steel

Model	RCPL								
Application	Direct Expansion (E)				Special casing Extra price	Coil options Extra price			
Defrost	A	E	HG	HG+E	SS	EC	C	SS/AL	SS/EC
Ø 400									
Fin spacing 4 mm									
GLE_401B40	1076	1559	1588	1511	562	92	371	403	448
GLE_401C40	1208	1750	1720	1642	562	105	421	459	510
GLE_402B40	1674	2238	2268	2180	874	184	741	806	896
GLE_402C40	1905	2549	2498	2409	874	210	843	918	1020
GLE_403B40	2224	2860	2900	2799	1160	276	1112	1209	1344
GLE_403C40	2588	3313	3264	3163	1160	316	1264	1377	1531
Fin spacing 5,5 mm									
RLE_401B55	1044	1527	1555	1479	562	88	358	385	428
RLE_401C55	1159	1701	1670	1593	562	100	406	436	485
RLE_402B55	1598	2161	2191	2102	874	176	717	770	855
RLE_402C55	1803	2447	2396	2307	874	200	812	872	969
RLE_403B55	2071	2707	2748	2646	1160	265	1075	1154	1283
RLE_403C55	2429	3155	3105	3005	1160	300	1217	1308	1454
Fin spacing 7 mm									
BLE_401B70	1031	1513	1542	1465	562	86	353	376	418
BLE_401C70	1137	1680	1647	1571	562	97	397	423	471
BLE_402B70	1555	2117	2148	2058	874	172	705	752	836
BLE_402C70	1744	2387	2337	2247	874	194	794	847	942
BLE_403B70	2007	2644	2683	2582	1160	258	1058	1128	1254
BLE_403C70	2341	3067	3017	2916	1160	291	1192	1270	1413
Ø 500									
Fin spacing 4 mm									
GLE_502A40	2287	2706	2846	2540	1158	116	408	521	579
GLE_502B40	2715	3270	3108	2804	1158	129	451	580	645
GLE_502C40	3111	3736	3517	3218	1158	149	524	672	747
GLE_503B40	3824	4480	4341	3906	1936	387	1352	1740	1934
GLE_503C40	4382	5125	4949	4470	1936	448	1573	2017	2241
GLE_504B40	4753	5430	5573	4957	2406	515	1802	2321	2578
GLE_504C40	5647	6564	6467	5850	2406	598	2097	2689	2988
Fin spacing 5,5 mm									
RLE_502A55	2199	2618	2757	2449	1158	111	394	501	557
RLE_502B55	2607	3162	2999	2695	1158	124	435	557	619
RLE_502C55	2985	3611	3394	3093	1158	142	503	641	712
RLE_503B55	3672	4328	4189	3754	1936	371	1306	1672	1857
RLE_503C55	4206	4950	4774	4294	1936	427	1510	1923	2137
RLE_504B55	4567	5242	5385	4768	2406	495	1742	2229	2477
RLE_504C55	5311	6231	6132	5515	2406	570	2014	2564	2850
Fin spacing 7 mm									
BLE_502A70	2153	2573	2711	2404	1158	109	387	491	545
BLE_502B70	2555	3111	2947	2643	1158	121	428	546	606
BLE_502C70	2753	3378	3161	2861	1158	137	486	615	684
BLE_503B70	3597	4255	4115	3681	1936	364	1283	1637	1819
BLE_503C70	4123	4866	4690	4210	1936	410	1459	1846	2051
BLE_504B70	4472	5147	5290	4675	2406	485	1711	2183	2426
BLE_504C70	5207	6126	6027	5410	2406	546	1945	2461	2735

Accessories and options

Electrical options				
Series	RCPL			
	Ø 250	Ø 350	Ø 400	Ø 500
Local safety switch wired				
Number of fan				
1	**121**	**121**	**121**	-
2	**243**	**243**	**243**	**243**
3	**364**	**364**	**364**	**364**
4	-	**486**	-	**486**
Terminal box				
Number of fan	S = Single phase			
1	**43**	**43**	**43**	-
2	**63**	**64**	**63**	**86**
3	**81**	**81**	**81**	**125**
4	-	**108**	-	**176**
Number of fan	T = Three phase			
1	**165**	**165**	**176**	-
2	**174**	**174**	**187**	**381**
3	**194**	**194**	**207**	**434**
4	-	**212**	-	**499**
Electrical defrost on drip tray only				
Number of fan				
1	**73**	**73**	**81**	-
2	**80**	**80**	**87**	**95**
3	**87**	**87**	**96**	**107**
4	-	**91**	-	**120**
Cable electrical heater				
Model RS70W			41001200	**18**

Special coil for brine application	
SS tubes and Al fins	+45% on base brine unit with air defrost
SS tubes and pre-coated fins	+50% on base brine unit with air defrost

Re-heating coil						
Model GL / RL / BL		Application	Extra rows	NC	Capacity (*)	RCPL
D=250mm	_251A	Dx / Brine	2	2	4,84	**165**
	_251B	Dx / Brine		not available		**-**
	_252A	Dx / Brine	2	2	9,05	**221**
	_252B	Dx / Brine		not available		**-**
	_253A	Dx / Brine	2	2	12,72	**286**
	_253B	Dx / Brine		not available		**-**
D=350mm	_351A	Dx / Brine	2	2	7,72	**165**
	_351B	Dx / Brine		not available		**-**
	_352A	Dx / Brine	2	2	13,86	**221**
	_352B	Dx / Brine		not available		**-**
	_353A	Dx / Brine	2	2	18,72	**286**
	_353B	Dx / Brine		not available		**-**
	_354A	Dx / Brine	2	2	22,55	**358**
	_354B	Dx / Brine		not available		**-**
D=400mm	_401B	Dx / Brine	2	2	10,15	**202**
	_401C	Dx / Brine		not available		**-**
	_402B	Dx / Brine	2	2	17,88	**308**
	_402C	Dx / Brine		not available		**-**
	_403B	Dx / Brine	2	2	23,37	**455**
	_403C	Dx / Brine		not available		**-**
D=500mm	_502A	Dx / Brine	2	4	32,89	**308**
	_502B	Dx / Brine	2	4	32,89	**308**
	_502C	Dx / Brine		not available		**-**
	_503B	Dx / Brine	2	4	43,55	**455**
	_503C	Dx / Brine		not available		**-**
	_504B	Dx / Brine	2	4	51,39	**606**
	_504C	Dx / Brine		not available		**-**

(*) The re-heating capacity is calculated using the following conditions:

- Water inlet temp: 40°C
- Fluid velocity: 1 m/s
- Air inlet temperature: +12°C
- Fluid pressure drop: lower than 50 kPa

Fan motor							
		Code number			RCPL		
		2p	4p	6p	2p	4p	6p
Fan motor 230V/1ph - 50/60 Hz. **Extra price for each fan**	Ø 350	-	STD	41101180	NEP	NEP	**36**
	Ø 400	-	STD	41101213	NEP	NEP	**36**
	Ø 500	-	STD	41101103	NEP	NEP	**36**
	Ø 500 (60 Hz)	-	41101321	-	NEP	NEP	NEP
		2p	4p	6p	2p	4p	6p
Fan motor 230-400V/3ph - 50/60 Hz. **Extra price for each fan**	Ø 250	41101243	-	-	**42**	NEP	NEP
	Ø 350	-	41101181	-	NEP	**54**	NEP
		2p	4p	6p	2p	4p	6p
Fan motor 400V/3ph - 50/60 Hz. **Extra price for each fan**	Ø 400	-	41101152	41101292	NEP	NEP	**126**
	Ø 500 (50 Hz)	-	41103021	41101084	NEP	NEP	NEP
	Ø 500 (60 Hz)	-	41101144	41101084	NEP	**15**	NEP

Options				
Series	RCPL			
	Ø 250	Ø 350	Ø 400	Ø 500
Insulated drip tray				
	Aluminium pre-painted			
Number of fan				
1	**233**	**233**	**252**	-
2	**252**	**252**	**278**	**347**
3	**278**	**278**	**302**	**622**
4	-	**291**	-	**743**
	Stainless steel			
Number of fan				
1	**302**	**302**	**327**	**-**
2	**327**	**327**	**362**	**450**
3	**362**	**362**	**393**	**808**
4	**-**	**377**	**-**	**965**
AlfaStreamer				
Number of fan				
1	-	-	**65**	-
2	-	-	**130**	**155**
3	-	-	**195**	**233**
4	-	-	-	**310**
Air sock adapter ring				
Number of fan				
1		-	**100**	-
2		-	**200**	**200**
3		-	**300**	**300**
4		-	**400**	**400**
Fan ring heater				
Number of fan				
1	**65**	**69**	**73**	**-**
2	**130**	**139**	**148**	**159**
3	**195**	**208**	**221**	**238**
4	**-**	**277**	**-**	**317**
FE connection				
Ref. connection in stainless steel kit with end terminal in Fe				**309**

General description

Specifications		
Series	PC: liquid circulated air cooler	
Coil material	Cu tubes and Al fins	
Fin spacing	4/7 mm	
Fan diameter	254, 350, 450, 500 mm	
Fan speed	1400 rpm, 1150 rpm	
Air direction	Draw through	
Options	Different defrosts	wall mounting
	flanges on fan side for textile air duct (fan specification to be checked due to external pressure loss caused by the duct)	Epoxy coated aluminium fins (4 mm fin spacing only), electric defrost capacity need to be checked.

Application

Polar Cat G liquid circulated air coolers are efficient and reliable unit air coolers suitable for cold and freezing rooms in commercial refrigeration. Units are also suitable for cooling engine and monitoring rooms. The range is constructed for refrigerants and liquids, which do not corrode copper.

Capacity

Nominal capacity according to ENV328 and EUROVENT rules (SC2): 1.08-41.4 kW.

Coil

The heat transfer section is made of aluminium fins and copper tubes. The fins have no dirt and frost accumulating cutting edges (turbulators). Fin spacing is 4 mm or 7 mm. Fins with 4 mm fin spacing are also available of epoxy coated aluminium, which endures excellently diluted acid alkaline and chlorinated water (please check electric defrost capacity).

Casing

The whole casing is stainless or effi ciently corrosion protected material. Casing is made of polyester coated hot dip galvanized steel, colour white NCS 1002-4.

Fan motors

The standard motors are suitable for 3/400V/50Hz and 1/230V/50Hz power supply. Fan size 254 mm is with single phase shaded-pole motor. Other fan sizes have single- or 3-phases fan units (Ø 500 mm as 3-phase only). Fan units are with D/Y-connection functioning 2-speed motors. A lower fan speed can be chosen by changing the connection from D to Y (except Ø 350 mm 1400 rpm). Fan speed of 3-phase fans can be regulated by changing the voltage. 3-phase fans have an internal thermal protectors wired to junction boxes. If they are connected to control the contractor, an external overload protector is not needed. Single-phase fans have automatic built-in thermo contacts. The minimum operating temperature for 3-phase fans is –50ºC and for single-phase fans –25ºC. Technical data for power supplies 3/440V/60Hz and 3/230V/50Hz is available separately.

Certification

About the performance, all DX unit coolers are certified by Eurovent "Certify All".
The Alfa Laval quality system is in accordance with ISO 9001.
All products are manufactured to CE rules.

Selection & Prices

Complete air cooler selection may to be performed with our FincoilSelect Air Software.

Prices

PC	standard model			Extra price				
		Fin spacing						
Size	Fan motor	4 mm	7 mm	SS0	SS	SK	Ft	SP
101	1 x 254	**562**	**551**	-	**170**	**160**	-	-
102	2 x 254	**811**	**738**	-	**200**	**160**	-	-
103	1 x 350	**1009**	**967**	-	**250**	**230**	**70**	**30**
104	3 x 254	**1019**	**978**	-	**220**	**160**	-	-
105	1 x 350	**1238**	**1196**	-	**270**	**230**	**70**	**30**
106	2 x 350	**1643**	**1591**	-	**360**	**180**	**110**	**70**
107	2 x 350	**1945**	**1841**	-	**340**	**230**	**130**	**80**
108	1 x 450	**1591**	**1498**	-	**360**	**300**	**70**	**40**
109	1 x 450	**1955**	**1810**	-	**440**	**300**	**70**	**40**
110	3 x 350	**2631**	**2496**	-	**310**	**300**	**200**	**110**
111	2 x 450	**2683**	**2558**	-	**480**	**300**	**130**	**80**
112	2 x 450	**3172**	**3026**	-	**590**	**300**	**130**	**80**
113	3 x 450	**3734**	**3422**	-	**540**	**300**	**200**	**120**
114	2 x 500	**3702**	**3671**	**410**	**610**	**300**	**130**	**90**
115	2 x 500	**4129**	**4077**	**550**	**900**	**300**	**130**	**90**
116	3 x 500	**5283**	**5221**	**690**	**1130**	**400**	**200**	**130**

SS0 = Electric defrost (cold rooms appr. 0°C)
SS = Electric defrost
SK = wall mounting
Ft = Round flanges for textile air duct
SP = Electric defrost for fan openings

General description

Specifications			
Series	ILG ILB ILR		
Applications	Direct Expansion (E)	Brine (W)	Ammonia (A)/CO2 high pressure (H)
Coil size	Ø500: A,C,E	Ø500: A,C,D,E	Ø500: A,B,C
	Ø560: C,E,G	Ø560: C,E,D,F	Ø560: B,C,D
	Ø630: C,E,G	Ø630: C,E,D,F	Ø630: B,C,D
	Ø800: C,E,G	Ø800: C,E,D,F	Ø800: B,C,D
Size	Ø500 to 630 mm: 1-5 fan motors		
	Ø800 mm: 1-4 fan motors		
Coil material	Cu tubes and Al fins		
	SS tubes and Al fins		
Fin spacing	ILG: 4/5 mm		
	ILB: 6/7 mm		
	ILR: 8/10/12 mm		
Fan diameter	500, 560, 630, 800 mm		
Air direction	Single discharge		
Defrost	Direct Expansion (E)	Brine (W)	Ammonia (A)/CO2 high pressure (H)
	A = Air , E = Electric , EL = Low electrical ,HG = Hot gas , W = Water , HG+E = Hot gas + electric , W+E = Water and electrical, EDT = Electrical Drip Tray	A = Air , E = Electric , EL = Low electrical , W = Water ,W+E = Water and electrical,EDT = Electrical Drip Tray	A = Air ,E = Electric ,EL = Low electrical ,HG = Hot gas ,W = Water ,HG+E = Hot gas + electric ,W+E = Water and electrical,EDT = Electrical Drip Tray
Options			
Insulated drip tray	Different coil treatments and/or materials	Stainless steel casing	Multiple fin spacing
Special fan motors	Local safety switch wired	Terminal box	AlfaStreamer
Air sock adapter ring	Fan ring heater	Floor mounting support	Different connection side,FE connection

Application

Airmax II is available as direct expansion evaporator (DX) for all HFCs as well as water/glycol unit coolers, Ammonia, and CO_2 High Pressure with PS=50bar for refrigeration.
The series is designed to keep fresh and frozen goods refrigerated from +30 to -40°C, with a high or low humidity content.

Capacity

Nominal capacity according to ENV328 and Eurovent rules (SC2): 5 - 180 KW.

Coil

Direct expansion coil is designed to achieve optimal capacity thanks to the staggered pitch rows that give a high secondary fin surface. The large fin surface ensures longer intervals between defrost cycles, therefore reducing the amount of daily energy used. The coils are manufactured with a special aluminium fin array and have a high efficiency internal copper tube with a grooved inner wall with 12 mm nominal bore. All this allows for a minimal internal volume with the advantage of using less refrigerant. Water/glycol For water/glycol applications, the coil is designed with same fin pattern and smooth 5/8” copper tube. All connections are thread connections with vent and drain plug as standard. All other characteristics are the same as for the Airmax II DX.
For NH_3 and CO_2, the heat exchanger is designed to offer the best performance in cooling for the considered application in order to minimize the refrigerant charge. The coil pitch is 60 x 60, with the tubes in line of 16 mm stainless steel material and aluminium fins. This new pattern is characterized by a large heat exchanger surface which ensures longer intervals between defrost cycles. The only one inlet and outlet connection, with combination of the different large fin spacing (6, 8, 10 and 12 mm) and the several coil block modules make the new line an innovative product range in the market.

Casing

All units use galvanized steel painted RAL 9002, while the drip tray is in aluminium painted. The frame has been designed in order to ensure an easy installation and maintenance. A large and deep drip tray permits a fast discharge of the water defrosting, with regard to the bottom storage goods. The supports have two different positions (flush mounted or space) to consent to install the water defrost cassette. Structural parts are fastened with stainless steel bolts and screws. Structures made of galvanized steel, with optimized length to permit uniform air suction in the coil.

Fan motors

Four different fan diameter available depending to the application: 500, 560, 630 and 800 mm. The motors are with external rotor, constructed in accordance with VDE 0530/12.84. Protection class IP 54 according to DIN 40050. Integrated thermal protection by thermo contacts. This provides reliable protection against thermal overload.

Certification

About the performance, all DX unit coolers are certified by Eurovent "Certify All".
The Alfa Laval quality system is in accordance with ISO 9001.
All products are manufactured to CE rules.

Selection & Prices

Complete air cooler selection and all prices may to be performed with our AlfaSelect Air Software.
In case of inconsistency of data between this book and selection software, please refer always to the last one.

Prices

A: air defrost
E: electrical defrost (coil + drip tray)
EL: low electrical defrost (coil + drip tray)
HG: hot gas defrost
HG+E: combined: hot gas defrost on coil and electrical defrost
W: water defrost only
W+E: combined: water defrost on coil and electrical defrost
C: Cataphoresis treatment
EP: epoxy coated aluminium fins.
SS/AL: Coil with stainless steel tubes and aluminium fins
SS/EP: Coil with stainless steel tubes and epoxy coated aluminium fins.
SS: Cabinet all part in stainless steel

Model	RCPL Direct Expansion (E) Defrost							Special casing Extra price	Coil options Extra price			
	A	E	EL	HG	W	HG+E	W+E	SS	EP	C	SS/AL	SS/EP
Ø 500 mm - High speed rotation												
Fin spacing 4 mm												
ILGE501A4	**2084**	**2731**	**2667**	**2839**	**2257**	**2624**	**2321**	**450**	**126**	**314**	**949**	**1055**
ILGE501C4	**2677**	**3398**	**3314**	**3432**	**2897**	**3217**	**2982**	**450**	**159**	**398**	**1219**	**1355**
ILGE501E4	**3078**	**3850**	**3755**	**3834**	**3333**	**3619**	**3429**	**450**	**184**	**461**	**1402**	**1558**
ILGE502A4	**2707**	**3560**	**3476**	**3699**	**2930**	**3420**	**3014**	**899**	**252**	**629**	**1233**	**1370**
ILGE502C4	**3476**	**4426**	**4318**	**4470**	**3763**	**4190**	**3870**	**899**	**318**	**796**	**1583**	**1759**
ILGE502E4	**3999**	**5014**	**4890**	**4993**	**4330**	**4713**	**4453**	**899**	**369**	**922**	**1821**	**2024**
ILGE503A4	**3689**	**4795**	**4681**	**4986**	**3994**	**4605**	**4108**	**1212**	**377**	**943**	**1680**	**1867**
ILGE503C4	**4731**	**5964**	**5818**	**6026**	**5121**	**5645**	**5268**	**1212**	**477**	**1194**	**2155**	**2394**
ILGE503E4	**5393**	**6711**	**6544**	**6690**	**5839**	**6310**	**6006**	**1212**	**553**	**1383**	**2457**	**2730**
ILGE504A4	**4532**	**5872**	**5732**	**6106**	**4907**	**5639**	**5047**	**1502**	**503**	**1258**	**2064**	**2294**
ILGE504C4	**5809**	**7309**	**7130**	**7385**	**6289**	**6918**	**6470**	**1502**	**637**	**1592**	**2646**	**2940**
ILGE504E4	**6693**	**8301**	**8095**	**8268**	**7246**	**7801**	**7453**	**1502**	**737**	**1844**	**3049**	**3388**
ILGE505A4	**5389**	**7045**	**6878**	**7323**	**5834**	**6766**	**6002**	**1873**	**629**	**1572**	**2455**	**2728**
ILGE505C4	**6910**	**8753**	**8538**	**8842**	**7481**	**8286**	**7694**	**1873**	**796**	**1990**	**3147**	**3497**
ILGE505E4	**8338**	**10357**	**10100**	**10271**	**9025**	**9715**	**9284**	**1873**	**922**	**2305**	**3798**	**4220**
Fin spacing 6 mm												
ILRE501A6	**2037**	**2684**	**2620**	**2792**	**2210**	**2577**	**2274**	**450**	**121**	**302**	**928**	**1031**
ILRE501C6	**2609**	**3331**	**3248**	**3365**	**2831**	**3150**	**2914**	**450**	**153**	**381**	**1188**	**1321**
ILRE501E6	**2990**	**3762**	**3667**	**3746**	**3245**	**3531**	**3340**	**450**	**176**	**440**	**1362**	**1513**
ILRE502A6	**2646**	**3500**	**3415**	**3639**	**2869**	**3359**	**2953**	**899**	**242**	**604**	**1205**	**1339**
ILRE502C6	**3389**	**4339**	**4231**	**4383**	**3676**	**4103**	**3785**	**899**	**305**	**762**	**1544**	**1715**
ILRE502E6	**3883**	**4898**	**4775**	**4878**	**4213**	**4598**	**4337**	**899**	**352**	**881**	**1769**	**1966**
ILRE503A6	**3587**	**4694**	**4579**	**4884**	**3892**	**4503**	**4006**	**1212**	**362**	**906**	**1634**	**1816**
ILRE503C6	**4600**	**5835**	**5689**	**5897**	**4991**	**5516**	**5137**	**1212**	**458**	**1144**	**2095**	**2328**
ILRE503E6	**5226**	**6542**	**6374**	**6521**	**5670**	**6140**	**5838**	**1212**	**529**	**1321**	**2380**	**2645**
ILRE504A6	**4397**	**5739**	**5599**	**5973**	**4772**	**5506**	**4912**	**1502**	**483**	**1208**	**2003**	**2226**
ILRE504C6	**5639**	**7136**	**6958**	**7212**	**6118**	**6745**	**6297**	**1502**	**611**	**1525**	**2568**	**2854**
ILRE504E6	**6471**	**8079**	**7873**	**8045**	**7024**	**7578**	**7231**	**1502**	**705**	**1762**	**2947**	**3275**
ILRE505A6	**5225**	**6881**	**6713**	**7158**	**5670**	**6602**	**5836**	**1873**	**604**	**1510**	**2380**	**2644**
ILRE505C6	**6698**	**8542**	**8327**	**8631**	**7269**	**8075**	**7483**	**1873**	**764**	**1906**	**3051**	**3390**
ILRE505E6	**8058**	**10077**	**9820**	**9990**	**8746**	**9434**	**9004**	**1873**	**881**	**2202**	**3670**	**4078**
Fin spacing 8 mm												
ILBE501A8	**2054**	**2702**	**2637**	**2810**	**2227**	**2595**	**2291**	**450**	**120**	**299**	**925**	**1028**
ILBE501C8	**2588**	**3306**	**3223**	**3340**	**2808**	**3125**	**2890**	**450**	**151**	**377**	**1184**	**1315**
ILBE501E8	**2958**	**3727**	**3633**	**3712**	**3212**	**3496**	**3307**	**450**	**174**	**435**	**1355**	**1505**
ILBE502A8	**2675**	**3530**	**3446**	**3669**	**2900**	**3389**	**2983**	**899**	**239**	**598**	**1201**	**1335**
ILBE502C8	**3384**	**4335**	**4227**	**4378**	**3671**	**4099**	**3778**	**899**	**302**	**755**	**1537**	**1708**
ILBE502E8	**3869**	**4882**	**4758**	**4861**	**4198**	**4581**	**4322**	**899**	**348**	**870**	**1759**	**1955**
ILBE503A8	**3503**	**4607**	**4493**	**4798**	**3807**	**4417**	**3922**	**1212**	**359**	**897**	**1625**	**1805**
ILBE503C8	**4552**	**5787**	**5640**	**5848**	**4942**	**5467**	**5089**	**1212**	**453**	**1132**	**2083**	**2314**
ILBE503E8	**5197**	**6512**	**6345**	**6492**	**5642**	**6111**	**5808**	**1212**	**522**	**1305**	**2362**	**2625**
ILBE504A8	**4327**	**5668**	**5529**	**5902**	**4702**	**5435**	**4841**	**1502**	**478**	**1195**	**1990**	**2212**
ILBE504C8	**5628**	**7127**	**6948**	**7203**	**6108**	**6736**	**6289**	**1502**	**604**	**1509**	**2552**	**2835**
ILBE504E8	**6433**	**8042**	**7836**	**8009**	**6987**	**7542**	**7194**	**1502**	**696**	**1739**	**2921**	**3246**
ILBE505A8	**5136**	**6791**	**6624**	**7069**	**5581**	**6512**	**5747**	**1873**	**598**	**1494**	**2362**	**2624**
ILBE505C8	**6684**	**8527**	**8313**	**8616**	**7254**	**8060**	**7468**	**1873**	**755**	**1886**	**3028**	**3365**
ILBE505E8	**8014**	**10034**	**9777**	**9948**	**8703**	**9391**	**8960**	**1873**	**870**	**2174**	**3639**	**4043**

A: air defrost
E: electrical defrost (coil + drip tray)

EL: low electrical defrost (coil + drip tray)

C: Cataphoresis treatment

EP: epoxy coated aluminium fins.

HG: hot gas defrost
HG+E: combined: hot gas defrost on coil and electrical defrost

SS/AL: Coil with stainless steel tubes and aluminium fins
SS/EP: Coil with stainless steel tubes and epoxy coated aluminium fins.

W: water defrost only
W+E: combined: water defrost on coil and electrical defrost

SS: Cabinet all part in stainless steel

Model	RCPL Direct Expansion (E) Defrost							Special casing Extra price	Coil options Extra price			
	A	E	EL	HG	W	HG+E	W+E	SS	EP	C	SS/AL	SS/EP
Ø 560 mm - High speed rotation												
Fin spacing 4 mm												
ILGE561C4	**3661**	**4558**	**4449**	**4737**	**3947**	**4378**	**4055**	**593**	**205**	**512**	**1584**	**1760**
ILGE561E4	**4218**	**5180**	**5055**	**5294**	**4548**	**4935**	**4672**	**593**	**243**	**608**	**1825**	**2028**
ILGE561G4	**4625**	**5637**	**5501**	**5702**	**4988**	**5344**	**5125**	**593**	**276**	**690**	**2001**	**2224**
ILGE562C4	**4816**	**6007**	**5867**	**6244**	**5194**	**5772**	**5336**	**1184**	**409**	**1024**	**2084**	**2316**
ILGE562E4	**5549**	**6827**	**6664**	**6977**	**5984**	**6505**	**6147**	**1184**	**486**	**1216**	**2401**	**2668**
ILGE562G4	**6086**	**7427**	**7248**	**7514**	**6563**	**7042**	**6742**	**1184**	**552**	**1379**	**2633**	**2926**
ILGE563C4	**6724**	**8295**	**8096**	**8624**	**7251**	**7964**	**7448**	**1660**	**614**	**1535**	**2909**	**3233**
ILGE563E4	**7774**	**9468**	**9240**	**9674**	**8383**	**9015**	**8612**	**1660**	**729**	**1824**	**3364**	**3738**
ILGE563G4	**8530**	**10313**	**10061**	**10429**	**9199**	**9770**	**9449**	**1660**	**828**	**2069**	**3691**	**4101**
ILGE564C4	**8391**	**10313**	**10066**	**10723**	**9049**	**9902**	**9296**	**2082**	**819**	**2047**	**3631**	**4034**
ILGE564E4	**9756**	**11840**	**11553**	**12090**	**10522**	**11268**	**10809**	**2082**	**972**	**2431**	**4221**	**4691**
ILGE564G4	**10635**	**12819**	**12508**	**12967**	**11468**	**12145**	**11781**	**2082**	**1104**	**2759**	**4602**	**5113**
ILGE565C4	**10116**	**12491**	**12194**	**12988**	**10910**	**11995**	**11207**	**2511**	**1024**	**2559**	**4377**	**4864**
ILGE565E4	**11763**	**14332**	**13986**	**14634**	**12685**	**13642**	**13031**	**2511**	**1216**	**3039**	**5090**	**5656**
ILGE565G4	**12821**	**15515**	**15137**	**15693**	**13827**	**14700**	**14204**	**2511**	**1380**	**3449**	**5548**	**6164**
Fin spacing 6 mm												
ILRE561C6	**3554**	**4452**	**4343**	**4631**	**3841**	**4272**	**3949**	**593**	**199**	**498**	**1538**	**1709**
ILRE561E6	**4078**	**5042**	**4917**	**5155**	**4409**	**4796**	**4532**	**593**	**236**	**590**	**1764**	**1961**
ILRE561G6	**4454**	**5466**	**5330**	**5532**	**4817**	**5173**	**4954**	**593**	**267**	**667**	**1927**	**2142**
ILRE562C6	**4676**	**5868**	**5727**	**6105**	**5054**	**5633**	**5196**	**1184**	**398**	**995**	**2023**	**2248**
ILRE562E6	**5365**	**6644**	**6481**	**6794**	**5800**	**6322**	**5963**	**1184**	**471**	**1179**	**2322**	**2580**
ILRE562G6	**5861**	**7202**	**7023**	**7289**	**6339**	**6817**	**6518**	**1184**	**534**	**1335**	**2536**	**2818**
ILRE563C6	**6511**	**8083**	**7884**	**8412**	**7039**	**7752**	**7236**	**1660**	**597**	**1493**	**2817**	**3131**
ILRE563E6	**7502**	**9196**	**8968**	**9402**	**8111**	**8742**	**8340**	**1660**	**707**	**1769**	**3246**	**3607**
ILRE563G6	**8195**	**9979**	**9727**	**10095**	**8864**	**9436**	**9116**	**1660**	**801**	**2002**	**3546**	**3940**
ILRE564C6	**8081**	**10003**	**9756**	**10414**	**8739**	**9592**	**8986**	**2082**	**796**	**1991**	**3497**	**3885**
ILRE564E6	**9396**	**11480**	**11192**	**11729**	**10162**	**10908**	**10449**	**2082**	**943**	**2358**	**4066**	**4518**
ILRE564G6	**10242**	**12427**	**12116**	**12575**	**11076**	**11753**	**11389**	**2082**	**1068**	**2669**	**4432**	**4924**
ILRE565C6	**9734**	**12109**	**11811**	**12605**	**10527**	**11613**	**10825**	**2511**	**995**	**2488**	**4212**	**4680**
ILRE565E6	**11318**	**13888**	**13542**	**14190**	**12242**	**13198**	**12587**	**2511**	**1178**	**2948**	**4897**	**5442**
ILRE565G6	**12339**	**15030**	**14653**	**15208**	**13343**	**14216**	**13721**	**2511**	**1335**	**3337**	**5339**	**5932**
Fin spacing 8 mm												
ILBE561C8	**3513**	**4411**	**4301**	**4590**	**3800**	**4231**	**3907**	**593**	**196**	**491**	**1528**	**1698**
ILBE561E8	**4018**	**4982**	**4857**	**5095**	**4348**	**4736**	**4473**	**593**	**232**	**581**	**1749**	**1944**
ILBE561G8	**4376**	**5387**	**5251**	**5453**	**4739**	**5094**	**4876**	**593**	**263**	**657**	**1908**	**2120**
ILBE562C8	**4658**	**5849**	**5709**	**6086**	**5036**	**5614**	**5177**	**1184**	**393**	**982**	**2010**	**2234**
ILBE562E8	**5331**	**6608**	**6446**	**6759**	**5767**	**6287**	**5930**	**1184**	**465**	**1162**	**2302**	**2558**
ILBE562G8	**5808**	**7149**	**6970**	**7236**	**6286**	**6764**	**6466**	**1184**	**525**	**1314**	**2510**	**2789**
ILBE563C8	**6485**	**8058**	**7859**	**8387**	**7013**	**7727**	**7211**	**1660**	**589**	**1473**	**2797**	**3108**
ILBE563E8	**7446**	**9142**	**8914**	**9348**	**8057**	**8688**	**8286**	**1660**	**697**	**1742**	**3213**	**3571**
ILBE563G8	**8112**	**9895**	**9643**	**10011**	**8781**	**9352**	**9031**	**1660**	**788**	**1971**	**3506**	**3895**
ILBE564C8	**8004**	**9925**	**9678**	**10336**	**8661**	**9514**	**8909**	**2082**	**786**	**1965**	**3460**	**3845**
ILBE564E8	**9322**	**11405**	**11118**	**11654**	**10087**	**10833**	**10373**	**2082**	**929**	**2323**	**4023**	**4470**
ILBE564G8	**10182**	**12368**	**12057**	**12515**	**11017**	**11694**	**11330**	**2082**	**1050**	**2628**	**4385**	**4872**
ILBE565C8	**9636**	**12010**	**11712**	**12506**	**10429**	**11514**	**10727**	**2511**	**982**	**2456**	**4163**	**4626**
ILBE565E8	**11223**	**13792**	**13446**	**14094**	**12145**	**13102**	**12491**	**2511**	**1162**	**2904**	**4841**	**5379**
ILBE565G8	**12258**	**14951**	**14574**	**15129**	**13263**	**14137**	**13641**	**2511**	**1313**	**3285**	**5277**	**5864**

A: air defrost
E: electrical defrost (coil + drip tray)

EL: low electrical defrost (coil + drip tray)

C: Cataphoresis treatment

EP: epoxy coated aluminium fins.

HG: hot gas defrost
HG+E: combined: hot gas defrost on coil and electrical defrost

SS/AL: Coil with stainless steel tubes and aluminium fins

SS/EP: Coil with stainless steel tubes and epoxy coated aluminium fins.

W: water defrost only
W+E: combined: water defrost on coil and electrical defrost

SS: Cabinet all part in stainless steel

Model	RCPL Direct Expansion (E) Defrost							Special casing Extra price	Coil options Extra price			
	A	E	EL	HG	W	HG+E	W+E	SS	EP	C	SS/AL	SS/EP
Ø 630 mm - High speed rotation												
Fin spacing 4 mm												
ILGE631C4	5920	7082	6909	7373	6382	6792	6557	864	265	661	2561	2846
ILGE631E4	6230	7431	7249	7685	6719	7104	6902	864	331	827	2696	2995
ILGE631G4	6520	7754	7563	7974	7031	7393	7222	864	368	920	2821	3135
ILGE632C4	7687	9214	8990	9591	8290	8837	8517	1728	529	1323	3326	3696
ILGE632E4	8092	9666	9430	9995	8727	9241	8964	1728	662	1654	3501	3891
ILGE632G4	8467	10086	9838	10371	9130	9617	9380	1728	736	1841	3663	4071
ILGE633C4	9353	11233	10958	11693	10087	10775	10362	2102	794	1984	4047	4497
ILGE633E4	9846	11785	11494	12186	10617	11268	10908	2102	993	2480	4260	4734
ILGE633G4	10951	13020	12698	13290	11810	12373	12133	2102	1104	2761	4739	5265
ILGE634C4	12204	14576	14217	15174	13161	13978	13521	2743	1058	2645	5281	5868
ILGE634E4	12847	15293	14917	15816	13854	14620	14232	2743	1324	3307	5559	6177
ILGE634G4	14260	16874	16455	17230	15378	16034	15798	2743	1472	3682	6170	6856
ILGE635C4	14279	17145	16725	17845	15399	16446	15819	3209	1323	3307	6179	6865
ILGE635E4	15031	17985	17543	18597	16210	17197	16652	3209	1654	4134	6504	7227
ILGE635G4	16686	19833	19342	20251	17993	18851	18485	3209	1840	4602	7220	8022
Fin spacing 6 mm												
ILRE631C6	5747	6911	6737	7201	6211	6621	6385	864	257	643	2487	2763
ILRE631E6	6050	7250	7068	7504	6537	6923	6722	864	322	804	2618	2909
ILRE631G6	6295	7529	7337	7748	6806	7168	6997	864	356	892	2724	3027
ILRE632C6	7464	8991	8766	9367	8066	8613	8292	1728	514	1286	3230	3589
ILRE632E6	7856	9431	9195	9760	8491	9006	8730	1728	643	1608	3399	3777
ILRE632G6	8174	9794	9546	10079	8839	9325	9088	1728	713	1783	3537	3930
ILRE633C6	9030	10910	10635	11369	9764	10452	10039	2102	772	1929	3907	4342
ILRE633E6	9506	11444	11153	11845	10278	10927	10567	2102	965	2411	4113	4570
ILRE633G6	10534	12603	12281	12873	11392	11956	11715	2102	1069	2675	4558	5065
ILRE634C6	11768	14140	13781	14738	12724	13542	13084	2743	1029	2572	5092	5658
ILRE634E6	12387	14834	14457	15357	13395	14161	13773	2743	1287	3215	5360	5956
ILRE634G6	13749	16363	15944	16719	14868	15523	15287	2743	1426	3567	5949	6610
ILRE635C6	13745	16611	16191	17311	14865	15911	15285	3209	1286	3215	5947	6608
ILRE635E6	14468	17422	16980	18035	15648	16635	16090	3209	1608	4019	6260	6956
ILRE635G6	16061	19208	18717	19626	17368	18226	17860	3209	1782	4458	6949	7722
Fin spacing 8 mm												
ILBE631C8	5679	6843	6670	7133	6143	6553	6318	864	254	635	2471	2745
ILBE631E8	5978	7178	6996	7432	6467	6852	6650	864	317	793	2601	2890
ILBE631G8	6191	7426	7234	7645	6703	7065	6894	864	351	877	2690	2989
ILBE632C8	7428	8955	8731	9332	8031	8578	8257	1728	508	1270	3209	3565
ILBE632E8	7818	9393	9157	9723	8452	8969	8691	1728	635	1586	3377	3753
ILBE632G8	8100	9720	9472	10005	8764	9251	9013	1728	702	1754	3493	3882
ILBE633C8	8967	10847	10573	11307	9701	10390	9976	2102	761	1904	3871	4302
ILBE633E8	9439	11379	11087	11779	10211	10862	10501	2102	952	2380	4075	4528
ILBE633G8	10414	12482	12161	12752	11273	11835	11595	2102	1053	2631	4509	5010
ILBE634C8	11689	14060	13701	14658	12645	13462	13005	2743	1015	2539	5044	5604
ILBE634E8	12302	14750	14374	15273	13310	14077	13687	2743	1269	3173	5309	5899
ILBE634G8	13644	16258	15839	16614	14763	15418	15182	2743	1404	3509	5893	6548
ILBE635C8	13643	16508	16088	17208	14763	15808	15183	3209	1269	3174	5882	6536
ILBE635E8	14361	17315	16873	17928	15541	16528	15982	3209	1586	3966	6192	6880
ILBE635G8	15926	19075	18584	19493	17235	18093	17725	3209	1755	4386	6872	7636

A: air defrost
E: electrical defrost (coil + drip tray)

EL: low electrical defrost (coil + drip tray)
C: Cataphoresis treatment

EP: epoxy coated aluminium fins.

HG: hot gas defrost
HG+E: combined: hot gas defrost on coil and electrical defrost

SS/AL: Coil with stainless steel tubes and aluminium fins
SS/EP: Coil with stainless steel tubes and epoxy coated aluminium fins.

W: water defrost only
W+E: combined: water defrost on coil and electrical defrost

SS: Cabinet all part in stainless steel

Model	RCPL Direct Expansion (E) Defrost							Special casing Extra price	Coil options Extra price			
	A	E	EL	HG	W	HG+E	W+E	SS	EP	C	SS/AL	SS/EP
Ø 800 mm - High speed rotation												
Fin spacing 4 mm												
ILGE801C4	4836	5946	5808	6173	5201	5717	5338	1253	439	1097	2093	2325
ILGE801E4	6046	7290	7120	7382	6502	6925	6673	1253	549	1372	2616	2907
ILGE801G4	7134	8503	8301	8471	7672	8014	7873	1253	601	1502	3087	3430
ILGE802C4	8877	10630	10378	11048	9547	10211	9798	2505	878	2195	3841	4268
ILGE802E4	11097	13100	12786	13267	11934	12430	12247	2505	1097	2744	4802	5335
ILGE802G4	13095	15322	14952	15264	14081	14427	14452	2505	1202	3004	5666	6296
ILGE803C4	12469	14815	14462	15402	13410	14227	13761	3048	1317	3292	5395	5995
ILGE803E4	15586	18283	17843	18518	16762	17343	17203	3048	1646	4115	6744	7494
ILGE803G4	18392	21406	20886	21324	19779	20149	20299	3048	1803	4507	7958	8843
ILGE804C4	19353	22667	22120	23580	20812	21755	21361	3977	1756	4390	8374	9305
ILGE804E4	24192	28053	27369	28418	26017	26593	26700	3977	2194	5487	10468	11631
ILGE804G4	28547	32899	32092	32772	30700	30947	31507	3977	2403	6009	12352	13725
Fin spacing 6 mm												
ILRE801C6	4742	5853	5716	6081	5107	5624	5245	1253	427	1068	2052	2280
ILRE801E6	5929	7175	7004	7266	6385	6810	6556	1253	534	1335	2565	2851
ILRE801G6	6996	8366	8164	8334	7535	7877	7737	1253	582	1456	3027	3364
ILRE802C6	8707	10459	10208	10877	9377	10040	9627	2505	855	2136	3767	4186
ILRE802E6	10883	12887	12573	13054	11720	12217	12034	2505	1068	2670	4709	5232
ILRE802G6	12842	15072	14701	15013	13830	14176	14200	2505	1164	2912	5557	6174
ILRE803C6	12229	14575	14222	15162	13170	13987	13522	3048	1282	3204	5292	5880
ILRE803E6	15286	17985	17545	18220	16461	17045	16903	3048	1602	4005	6614	7349
ILRE803G6	18038	21054	20534	20972	19425	19796	19945	3048	1746	4368	7805	8672
ILRE804C6	18982	22294	21747	23208	20441	21382	20988	3977	1709	4272	8213	9126
ILRE804E6	23727	27588	26904	27953	25552	26128	26236	3977	2136	5339	10266	11407
ILRE804G6	27998	32351	31544	32224	30151	30399	30959	3977	2329	5824	12114	13461
Fin spacing 8 mm												
ILBE801C8	4691	5800	5663	6028	5054	5571	5192	1253	422	1055	2033	2259
ILBE801E8	5865	7109	6939	7201	6319	6744	6491	1253	527	1318	2541	2823
ILBE801G8	6920	8289	8087	8257	7458	7800	7660	1253	573	1432	2998	3331
ILBE802C8	8627	10379	10128	10797	9296	9960	9547	2505	843	2109	3731	4145
ILBE802E8	10784	12787	12473	12954	11621	12117	11935	2505	1055	2636	4663	5181
ILBE802G8	12725	14953	14583	14895	13711	14058	14082	2505	1146	2865	5503	6114
ILBE803C8	12134	14480	14127	15068	13075	13892	13427	3048	1265	3164	5239	5822
ILBE803E8	15166	17865	17425	18100	16343	16925	16784	3048	1582	3954	6549	7277
ILBE803G8	17898	20912	20392	20830	19285	19655	19805	3048	1719	4297	7729	8588
ILBE804C8	18776	22090	21543	23003	20236	21178	20783	3977	1687	4218	8132	9036
ILBE804E8	23471	27331	26647	27696	25295	25871	25979	3977	2109	5272	10166	11296
ILBE804G8	27694	32047	31240	31920	29847	30094	30655	3977	2292	5729	11996	13329

Accessories and options

Electrical options				
Series	RCPL			
	Ø 500	Ø 560	Ø 630	Ø 800
Local safety switch wired				
Number of fan				
1	**121**	**121**	**121**	**121**
2	**243**	**243**	**243**	**243**
3	**364**	**364**	**364**	**364**
4	**486**	**486**	**486**	**486**
5	**607**	**607**	**607**	**607**
Terminal box				
Number of fan				
1	**380**	**380**	**380**	**380**
2	**432**	**432**	**432**	**432**
3	**499**	**499**	**499**	**499**
4	**547**	**547**	**547**	**547**
5	**608**	**608**	**608**	**608**

Fan motor					
		Code number		RCPL	
Fan motor 230V/1ph - 50/60 Hz.		4p	6p	4p	6p
Extra price for each fan	Ø 500	41101102	41101103	NEP	NEP
		4p	**6p**	**4p**	**6p**
	Ø 500	STD	41101084	-	NEP
Fan motor (400V/3Ph - 50 Hz).	Ø 560	STD	41101333	-	NEP
Extra price for each fan	Ø 630	STD	41101263	-	NEP
	Ø 800	STD	41101148	-	NEP
		4p	**6p**	**4p**	**6p**
	Ø 500	41101144	41101084	**20**	NEP
Fan motor 400V/3ph-60 Hz..	Ø 560	-	41101333	NEP	NEP
Extra price for each fan	Ø 630	41101163	41101263	**153**	NEP
	Ø 800	-	41101200	NEP	NEP

N.E.P: no extra price
STD: Fan motor standard

Special coil for brine application	
SS tubes and Al fins	+45% on base brine unit with air defrost
SS tubes and pre-coated fins	+50% on base brine unit with air defrost

Options				
Series	RCPL			
	Ø 500	Ø 560	Ø 630	Ø 800
AlfaStreamer				
Number of fan				Only on 6 poles
1	**78**	n.a.	**92**	**141**
2	**155**	n.a.	**184**	**282**
3	**233**	n.a.	**275**	**422**
4	**310**	n.a.	**367**	**563**
5	**388**	n.a.	**459**	-
Air sock adapter ring				
Number of fan				
1	**102**	**128**	**128**	**214**
2	**204**	**255**	**255**	**428**
3	**306**	**383**	**383**	**643**
4	**408**	**510**	**510**	**857**
5	**510**	**638**	**638**	-
Fan ring heater				
Number of fan				
1	**101**	**110**	**113**	**111**
2	**188**	**282**	**361**	**207**
3	**289**	**315**	**326**	**317**
4	**366**	**416**	**416**	**405**
5	**458**	**520**	**520**	-
Floor mounting support				
Number of fan				
1	**561**	**561**	**561**	**561**
2	**1081**	**1081**	**1081**	**1081**
3	**1224**	**1224**	**1224**	**1224**
4	**1658**	**1658**	**1658**	**1658**
5	**1823**	**1823**	**1823**	-

Options				
Series	RCPL			
	Ø 500	Ø 560	Ø 630	Ø 800
Connection side				
			Left	Right
Ref. connection side			STD	option - NEP
FE connection				
Ref. connection in stainless steel kit with end terminal in Fe				All models and diameter
				309

General description

Specifications	
Coil	Cu tubing, Alu fins
Air direction	Draw-through
Fans	1 - 3
Fin spacing	4, 6 or 7 mm
Evaporating temperatures	+5 °C to -15 °C
Capacity range	5 - 38 kW
Refrigerant	All H(C)FC, brine, CO_2
Refrigerant system	DX, pumped
Options	
Electric defrost	E1, E4
Hot gas defrost	G1
Water defrost	W
Drip tray insulation	I2/I3
Isolating switch	ISM
Refrigerant connections left/right	L / R
Suction Hood	SH

For detailed information see brochure: 55.16 (available at www.helpman.com)

Application
Helpman THOR-A coolers have been designed for airsock application. All models are fitted with an airsock ring and fan motors capable of supplying the extra external pressure that is required for the proper functioning of airsocks. Suitable for applications like processing rooms, working production area's and greenhouse cooling.

Capacity
Nominal capacities 5 to 38 kW (lightly frosted coil, R-404A, Eurovent SC2).

Coil
Coil manufactured from smooth Cu tubes Ø 5/8" and corrugated Alu-fins, tube pitch 50 x 50 mm square. Available in 3 coil block modules, 4 or 6 tube rows deep.

Casing
Corrosion resistant material (aluminium/sendzimir), white epoxy coated RAL 9003. Hinged, enclosed end covers. Sufficient room for fitting the expansion valve inside casing. All models fitted with a hinged drip tray. Driptray drain(s) freely adjustable into either horizontal or vertical position.

Fan motors
Fans available in a range of different executions, air sock diameters 450 mm up to 730 mm. Enclosed design spray-tight fan motors, protection class IP-55. Motors are equipped with a thermal safety device in the windings, connected to separate terminals in the box.

Certification
All DX cooler models are "Eurovent Certify All" certified. The Alfa Laval quality system is in accordance with ISO 9001. All products are manufactured according to CE and PED rules.

Selection & RCPL
Air cooler selection and RCPL pricing is to be performed with our 'HelpmanSelect' Air Heat Exchanger selection software.

Selection & RCPL
HelpmanSelect

ДЕ 01

Lloyd's Register CE 0343 FULL QUALITY ASSURANCE PED B+D/D1

EUROVENT CERTIFIED PERFORMANCE CERTIFY-ALL

General description

Specifications	
Coil	Cu tubing, Alu fins
Air direction	Blow-through or draw-through
Fans	1 -7
Fin spacing	4, 6, 7, 8, or 10 mm
Evaporating temperatures	+5 °C to -40 °C
Capacity range	6 - 120 kW
Refrigerant	All H(C)FC, brine, CO_2
Refrigerant system	DX, pumped
Options	
Electric defrost	E1, E2, E4
Hot gas defrost	G1, G2
Water defrost	W
Diffusor	D
Diffusor with dumpers	DO
Electrical defrost for the diffusor's dumpers	E5
Drip tray insulation	I2/I3
Fan ring heater	FRH
Mounting feet	M
Isolating switch	ISM
Suction Hood	SH
Stainless steel casing	SSC
Refrigerant connections left/right	L / R

For detailed information see brochure:55.20 (available at www.helpman.com)

Application

The Helpman THOR series is a wide and flexible range of heavy-duty industrial air coolers for both cooling and freezing applications in medium to large cold rooms. Suitable for a wide range of applications, with a special focus on meat storage, agricultural produce and packed products.

Capacity

Nominal capacities 6 to 115 kW (lightly frosted coil, R-404A, Eurovent SC2). Air flow 4,000 up to 67,000 m^3/h.

Coil

Coil manufactured from smooth Cu tubes Ø 5/8" and corrugated Alu-fins, tube pitch 50 x 50 mm square. Available in 7 coil block modules, 4, 6 or 8 tube rows deep.

Casing

Corrosion resistant material (aluminium/sendzimir), white epoxy coated RAL 9003. Hinged, enclosed end covers. Larger modules (5-7) fitted with easily removable end covers. Sufficient room for fitting the expansion valve inside casing. All models fitted with a hinged drip tray. Driptray drain(s) freely adjustable into either horizontal or vertical position.

Fan motors

Fans available in a range of different executions, diameters 406 mm up to 710 mm. Enclosed design spray-tight fan motors, protection class IP-55. Motors are equipped with a thermal safety device in the windings, connected to separate terminals in the box. Fans can be supplied in both blow-through (Helpman THOR-B) and draw-through versions (Helpman THOR-Z).

Certification

All DX cooler models are "Eurovent Certify All" certified. The Alfa Laval quality system is in accordance with ISO 9001. All products are manufactured according to CE and PED rules.

Selection & RCPL

Air cooler selection and RCPL pricing is to be performed with our 'HelpmanSelect' Air Heat Exchanger selection software.

Selection & RCPL
HelpmanSelect

ДЕ 01

Lloyd's Register CC 0343 FULL QUALITY ASSURANCE PED B+D/D1

EUROVENT CERTIFIED PERFORMANCE CERTIFY-ALL

General description

Specifications	
Coil	Stainless steel tubing, Alu fins
Air direction	Draw-through
Fans	1 - 3
Fin spacing	4, 6 or 7 mm
Evaporating temperatures	+5 °C to -15 °C
Capacity range	5 - 38 kW
Refrigerant	NH_3, H(C)FC, brine, CO_2
Refrigerant system	DX, pumped
Options	
Electric defrost	E1, E4
Hot gas defrost	G1
Water defrost	W
Drip tray insulation	I2/I3
Isolating switch	ISM
Suction Hood	SH
Refrigerant connections left/right	L / R

For detailed information see brochure: 55.36 (available at www.helpman.com)

Application
Helpman TYR-A coolers have been designed for airsock application. All models are fitted with an airsock ring and fan motors capable of supplying the extra external pressure that is required for the proper functioning of airsocks. Suitable for applications like processing rooms, working production area's and greenhouse cooling.

Capacity
Nominal capacities 5 to 38 kW (lightly frosted coil, R-404A, Eurovent SC2).

Coil
Coil manufactured from smooth stainless steel tubes Ø16 mm and corrugated Alu-fins, tube pitch 50 x 50 mm square. Available in 3 coil block modules, 4 or 6 tube rows deep.

Casing
Corrosion resistant material (aluminium/sendzimir), white epoxy coated RAL 9003. Hinged, enclosed end covers. Sufficient room for fitting the expansion valve inside casing. All models fitted with a hinged drip tray. Driptray drain(s) freely adjustable into either horizontal or vertical position.

Fan motors
Fans available in a range of different executions, air sock diameters 450 mm up to 730 mm. Enclosed design spray-tight fan motors, protection class IP-55. Motors are equipped with a thermal safety device in the windings, connected to separate terminals in the box.

Certification
All DX cooler models are "Eurovent Certify All" certified. The Alfa Laval quality system is in accordance with ISO 9001. All products are manufactured according to CE and PED rules.

Selection & RCPL
Air cooler selection and RCPL pricing is to be performed with our 'HelpmanSelect' Air Heat Exchanger selection software.

Selection & RCPL
HelpmanSelect

ДЕ 01

Lloyd's Register CE 0343 FULL QUALITY ASSURANCE PED B+D/D1

EUROVENT CERTIFIED PERFORMANCE CERTIFY-ALL

General description

Specifications	
Coil	Stainless steel tubing, Alu fins
Air direction	Blow-through or draw-through
Fans	1 - 7
Fin spacing	4, 6, 7, 8, or 10 mm
Evaporating temperatures	+5 °C to -40 °C
Capacity range	6 - 120 kW
Refrigerant	NH_3, H(C)FC, brine, CO_2
Refrigerant system	DX, pumped
Options	
Electric defrost	E1, E2, E4
Hot gas defrost	G1, G2
Water defrost	W
Drip tray insulation	I2/I3
Diffusor	D
Diffusor with dumpers	DO
Diffusor with dumpers	E5
Fan ring heater	FRH
Mounting feet	M
Isolating switch	ISM
Suction Hood	SH
Stainless steel casing	SSC
Refrigerant connections left/right	L / R

For detailed information see brochure:55.30 (available at www.helpman.com)

Application

The Helpman TYR series is a wide and flexible range of heavy-duty industrial air coolers for both cooling and freezing applications in medium to large cold rooms. Suitable for a wide range of applications with a special focus on meat storage, agricultural produce and packed products.

Capacity

Nominal capacities 6 to 115 kW (lightly frosted coil, R-404A, Eurovent SC2). Air flow 4,000 up to 67,000 m^3/h.

Coil

Coil manufactured from smooth stainless steel tubes Ø16 mm and corrugated Alu-fins, tube pitch 50 x 50 mm square. Available in 7 coil block modules, 4, 6 or 8 tube rows deep.

Casing

Corrosion resistant material (aluminium/sendzimir), white epoxy coated RAL 9003. Hinged, enclosed end covers. Larger modules (5-7) fitted with easily removable end covers. Sufficient room for fitting the expansion valve inside casing. All models fitted with a hinged drip tray. Driptray drain(s) freely adjustable into either horizontal or vertical position.

Fan motors

Fans available in a range of different executions, diameters 406 mm up to 710 mm. Enclosed design spray-tight fan motors, protection class IP-55. Motors are equipped with a thermal safety device in the windings, connected to separate terminals in the box. Fans can be supplied in both blow-through (Helpman TYR-B) and draw-through versions (Helpman TYR-Z).

Certification

All DX cooler models are “Eurovent Certify All” certified. The Alfa Laval quality system is in accordance with ISO 9001. All products are manufactured according to CE and PED rules.

Selection & RCPL

Air cooler selection and RCPL pricing is to be performed with our ‘HelpmanSelect’ Air Heat Exchanger selection software.

Selection & RCPL
HelpmanSelect

ДЕ 01

Lloyd's Register CC 0343 FULL QUALITY ASSURANCE PED B+D/D1

EUROVENT CERTIFIED PERFORMANCE CERTIFY-ALL

General description

Specifications	
Coil	Steel galvanised
Air direction	Draw-through
Fans	1 - 4
Fin spacing	6, 8, 10 or 12 mm
Evaporating temperatures	+5 °C to -40 °C
Capacity range	4 - 125 kW
Refrigerant	NH_3, H(C)FC, brine, CO_2
Refrigerant system	DX, pumped
Options	
Hot gas defrost	G1, G2
Drip tray insulation	I2/I3
Fan ring heater	FRH
Mounting feet	M
Isolating switch	ISM
Side panels	Z

Application

The Helpman ZLA series is a wide and flexible range of heavy-duty industrial air coolers for both cooling and freezing applications in medium to large cold rooms. Suitable for a wide range of applications, with a special focus on meat products

Capacity

Nominal capacities 4 to 125 kW (lightly frosted coil, RH 85%, refrigerant ammonia R-717, pumped system (refrigerant ratio 2). Air flow 4,000 up to 63,000 m^3/h.

Coil

Coil manufactured from steel tubes Ø 22 mm, wall thickness 1.0 mm and steel fins. Tube pitch 60 x 60 mm square. Available in 7 coil block modules, 4, 6 or 8 tube rows deep. Coil block galvanised according to NEN-ISO 1461.

Casing

Corrosion resistant material, aluminium/sendzimir. All models fitted with a hinged drip tray.

Fan motors

Draw-through fans available in a range of different executions, diameters 508 mm up to 800 mm. Enclosed design spray-tight fan motors, protection class IP-55. Motors are equipped with a thermal safety device in the windings, connected to separate terminals in the box.

Certification

The Alfa Laval quality system is in accordance with ISO 9001. All products are manufactured according to CE and PED rules.

Selection & RCPL

Air cooler selection and RCPL pricing is to be performed with our ‘HelpmanSelect’ Air Heat Exchanger selection software.

Selection & RCPL
HelpmanSelect

ДЕ 01

Lloyd's Register
CE 0343
FULL QUALITY ASSURANCE
PED B+D/D1

General description

Specifications	
Coil	Cu tubing, Alu fins
Air direction	Draw-through
Fans	3 - 4
Banana ripening system	Tarp system
Evaporating temperatures	Optimised for banana ripening
Capacity range	8 to 28 pallets ripening rooms
Refrigerant	All H(C)FC, brine, CO_2
Refrigerant system	DX, pumped

For detailed information see brochure: 55.22 (available at www.helpman.com)

Application

Banana ripening coolers Helpman HRC have been designed for application in TARP system banana ripening rooms. The coolers have been optimised for 14.0 °C air-on and 13 °C air-off temperature at an evaporating temperature of 7 °C. Helpman HRC air coolers provide for an even temperature distribution throughout the whole ripening room, guaranteeing that the products are ripened as evenly as possible.

Capacity

Nominal capacities 12 to 29 kW (lightly frosted coil, R-404A, Eurovent SC2). The Helpman HRC range comprises cooler models for 8 to 28 pallets ripening rooms.

Coil

Coil manufactured from smooth Cu tubes 5/8” and corrugated Alu-fins, tube pitch 50 x 50 mm square.

Casing

Corrosion resistant material (aluminium/sendzimir), white epoxy coated RAL 9003. Hinged, enclosed end covers. Sufficient room for fitting the expansion valve inside casing. All models fitted with a hinged drip tray.

Fan motors

Draw-through fans, diameters 508 mm or 560 mm. Enclosed design spray-tight fan motors, protection class IP-55. Motors are equipped with a thermal safety device in the windings, connected to separate terminals in the box.

Certification

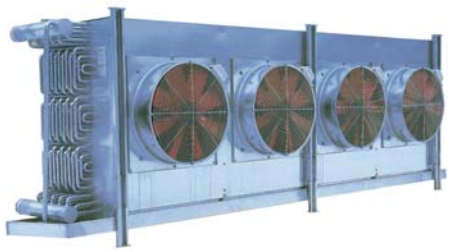
All DX cooler models are “Eurovent Certify All” certified. The Alfa Laval quality system is in accordance with ISO 9001. All products are manufactured according to CE and PED rules.

Selection & RCPL

Air cooler selection and RCPL pricing on request.

ДЕ 01

General description



Specifications		
Series	PBZZ: pumped circulation NH3	
	PBZZG: liquid circulated air coolers (brine)	
	PBZZ as special order: direct expansion	
Coil material	SS tubes and fins hot dip galvanized steel	
Fin spacing	6-18 mm	
Special Model	E: have to specify in the order	
Refrigerant	NH_3,	
Fan diameter	560 mm	710 mm
	630 mm	800 mm
Fan speed	1500 rpm (50Hz)	1800 rpm (60Hz)
Air direction	Draw through	

Options	
Heaters for fan opening	Connection on left side
Different defrosts	Blow through fans
Stainless steel	Safety switches
Duct connection	Fans wired to a junction box on evaporator end
Round flanges	End cover
Flush mounting	Special casing

Application

The air coolers of the Polar Bear ZZ series are intended for operating as the air coolers of air cooling systems using ammonia. The equipment is also suitable for other refrigerants and heat transfer solutions. The models in the series are designed to cover the different uses in product storaging and manufacturing processes.

Capacity

Nominal capacity (T_e:-8°C, T_{air}:+0°C, ΔTn:8K, R717) : 16.2-232KW.

Coil

The heat transfer section is a hot dip galvanised steel A1 element. It has a tube size of 20 mm that is favorable for wet evaporation, and its staggered tube spacing (57,74*50 mm) guarantees a good heat transfer factor. Depending on the operation objective, you have a selection of six different fin spacings between 6 and 18 mm and additional multi-fin spacings. The coil, with its headers, has been hot-dip galvanised as a one unit. The thickness of the zinc layer is 60 - 80 µm. The equipment's tubing system is standard for wet evaporation use of a pump or gravity flow systems. To special order, the piping can be made to suit the direct evaporation use of ammonia (Dx) or other refrigerants and solutions. The heat transfer section is pressure- tested with pressure, specified by the pressure vessel classification, in water.

Casing

In the basic model, the casing is hot-dip galvanised steel.

Fan motors

The fan motors have IEC bodies and they are foot mounted. The fan blades are made of polypropylene reinforced with glassfibre (except fan model no. 560/N). Due to the extensive range of motors and fan blades, the series includes options for external pressure increase, different electrical networks and rotation speeds. The motors are suitable for electric networks with 3~/400V/50Hz (Y-connection) and 3~/230V/50Hz (D-connection). For 3~/440V/60Hz networks, select the blade angle according to the changed rotation speed. Standard motors have four poles and their nominal rotation speed is 1500 rpm (or 1800 rpm in 60 Hz network). To special order, we can deliver motors for two-speed operation or with lower rotation speeds. The equipment of the series can also be delivered so that the fans blow the air through the air heat transfer section (P). The motors are equipped with a condensate drainage needed for air cooler operation, and their protection class is IP 54. The standard operation temperature of the motors is between - 40°C and +40°C. The fans equipped with IEC-motors have been wired for safety switches located next to the fan. In addition, the fans can be wired to a junction box on the evaporator end (W).

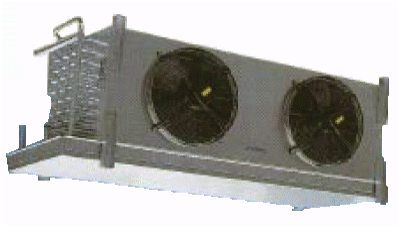
Certification

The Alfa Laval quality system is in accordance with ISO 9001.
All products are manufactured to CE rules.

Selection & Prices

Complete air cooler selection may be performed with our FincoilSelect Air Software.

General description



Specifications		
Series	AHB: pumped circulation NH3	
	AHB (G): liquid circulated air coolers (brine)	
	AHB.....Dx: direct expansion	
Coil material	SS tubes and fins hot dip galvanized steel	
Fin spacing	8, 10, 12, 15 mm	
Special Model	E: have to specify in the order	
Refrigerant	NH_3	
Fan diameter	350 mm	560 mm
	450 mm	630 mm
	500 mm	710 mm
Fan speed	4D:1400 rpm	6D: 900 rpm
	4Y: 1150 rpm	6Y: 700 rpm
Air direction	Draw through	

Options	
Special fan motors	Tube connections to the left seen from the coil side
Different defrosts	Blow through fans
Rectangular or round flanges for duct	Safety switches
Cover plates at both ends	

Application

AHB air coolers are efficient and reliable air coolers suitable for cold and subzero rooms in refrigeration plants. The air coolers are constructed for ammonia refrigeration but can also be used fro other solutions which do not corrode steel.

Capacity

Nominal capacity (T_e:-8°C, T_{air}: +0°C, ΔTn:8K, R717): 1.8-189 kW.

Coil

The heat transfer section is an efficient Fincoil A1 finned coil made of steel tubes and steel fins, which - including the manifolds - is hot dip galvanized after fabrication. Standard fin spacing are 8, 10, 12 and 15mm. Due to the small tube spacing the coil is very efficient.

Casing

All parts are of hot dip galvanized steel or of other corrosion-protected material. The drip trays are double and polystyrene insulated.

Fan motors

The fans from 350 to 560mm are statically and dynamically (according to VDI 2060 - standard) balanced axial fan units, protection class IP-44. The fans have a very low sound level. Their blade and motor frame are made of aluminium. The fan guards are of zink-coated steel with black plastic coating. The rotation speed can be regulated by changing the voltage. For the 3-phase motor you can use either star connection Y or delta connection D (not with 60Hz). By star connection lower rotation speed can be achieved. All motors are equipped with lubrication suitable for freezing conditions up to -50°C.

Certification

The Alfa Laval quality system is in accordance with ISO 9001.
All products are manufactured to CE rules.

Selection & Prices

Complete air cooler selection may be performed with our FincoilSelect Air Software.

AHE Selection
Fincoil Select

Prices

AHB	Fin spacing			
Size	8 mm	10 mm	12 mm	15 mm
1	2454	2423	2402	2392
2	2746	2694	2673	2631
3	3879	3754	3671	3598
4	4306	4160	4056	3962
5	4982	4794	4670	4555
6	5710	5460	5304	5148
7	6448	6313	6115	5928
8	7415	7051	6989	6750
9	8289	7862	7592	7322
10	9069	8622	8330	8008
11	10348	9797	9381	9027
12	12750	12064	11606	11107
13	14331	13562	13042	12480
14	15985	15080	14498	13926
15	17794	16775	16130	15486
16	18938	17805	17077	16359
17	21663	20207	19282	18418
18	25459	23712	22610	21570
19	30690	28496	27123	25823
20	34923	32292	30420	29089

AHB	Extra price								DX- use	Stainless casing	Crate packing
Size	KK	VS	SS	SSA	SSA(E)	SP	PP	Ft			
1	370	380	480	310	630	100	230	110	110	390	80
2	370	440	480	310	630	100	230	110	110	460	80
3	380	310	700	310	630	100	230	110	220	540	80
4	380	440	750	310	630	100	240	110	220	560	80
5	430	510	700	310	630	200	240	220	220	770	110
6	440	590	740	320	650	200	240	220	260	930	150
7	440	590	790	320	650	200	240	220	260	930	160
8	540	680	820	340	680	300	240	310	260	1260	180
9	540	680	880	340	680	300	240	320	260	1290	190
10	590	660	1140	340	680	300	250	320	260	1290	210
11	830	810	1180	490	970	410	250	420	310	2170	260
12	830	810	1440	490	970	410	250	430	310	2250	290
13	870	890	1450	490	970	510	250	540	310	2400	340
14	960	810			990	320	270	190			330
15	1010	890			990	420	270	240			370
16	1060	910			1050	420	270	240			420
17	1180	910			1050	320	290	190			460
18	1290	1200			1110	430	290	240			510
19	1370	970			1050	430	310	240			440
20	1510	1260			1110	430	310	240			510

KK = Hot gas defrost
VS = Water defrost
SS = Electric defrost
SSA = Electric defrost in tray
SSA(E)= Electric condens heating in bottom of the tray
SP =Electric defrost for fan openings
PP = End cover plates
Ft = Round flanges for textile air duct (for cooler sizes 14…20 fan guard not included)

General description

Specifications	
Coil	Cu tubing, Alu fins
Air direction	Blow-through
Fans	1 - 4
Fin spacing	4mm, 7 mm
Evaporating temperatures	+5 °C to -35 °C
Capacity range	1.3 - 40 kW
Refrigerant	All H(C)FC, CO_2
Refrigerant system	Direct exp. and brine
Options	
Electric defrost	E2
Hot gas defrost	G1
Fan ring heater	FRH

For detailed information see brochure:50.02 (available at www.helpman.com)

Application

Helpman LEX coolers are are commercial heavy duty unit coolers for general application in small to medium size cooling and freezing rooms. Helpman LEX coolers are available from stock.

Capacity

Nominal capacities 1.3 to 40 kW (lightly frosted coil, R-404A, Eurovent SC2). Air flow 1,080 up to 26,000 m^3/h. Eflo® refrigerant circuiting for higher effective cooling capacity.

Coil

Coil manufactured from Cu ripple fin® tubes Ø 1/2” and Alu-fins, tube pitch 38 x 38 mm square.

Casing

Durable aluminium casing, white epoxy coated RAL 9003. Models up to Helpman LEX 12 are fitted with hinged interchangeable side plates. Bigger models fitted with easy removable side plates for easy access. Sufficient room for fitting the expansion valve inside casing. All models fitted with a splash guard

Fan motors

Blow-through fans, diameter 254 up to 508 mm. Enclosed design spray-tight fan motors, protection class IP-55. Motors are equipped with a thermal safety device in the windings, connected to separate terminals in the box.

Certification

All DX cooler models are “Eurovent Certify All” certified. The Alfa Laval quality system is in accordance with ISO 9001. All products are manufactured according to CE and PED rules.

Selection & RCPL

Air cooler selection and RCPL pricing may be performed with our ‘HelpmanSelect’ Air Heat Exchanger selection software.

Selection & RCPL
HelpmanSelect

ДЕ 01

Lloyd's Register CC 0343 FULL QUALITY ASSURANCE PED B+D/D1

EUROVENT CERTIFIED PERFORMANCE CERTIFY-ALL

Prices

Model	Application					
	Direct exp. and brine					
Fin spacing 4 mm	Fans	Cap.*kW	Air vol. m^3/h	RCPL		
				A	E2	G1
Helpman-LEX 2-4 230	1	1,50	1030	**669**	**784**	**788**
Helpman-LEX 4-4 230	1	2,30	1740	**750**	**894**	**875**
Helpman-LEX 6-4 230	1	3,20	1650	**1005**	**1149**	**1136**
Helpman-LEX 8-4 230	1	5,10	2660	**1149**	**1299**	**1295**
Helpman-LEX 10-4 230	2	4,70	3490	**1324**	**1484**	**1470**
Helpman-LEX 12-4 230	2	6,30	3320	**1520**	**1681**	**1695**
Helpman-LEX 14-4 230	1	7,00	3700	**1562**	**1856**	**1751**
Helpman-LEX 16-4 230	1	8,90	4850	**1917**	**2237**	**2114**
Helpman-LEX 18-4 230	2	10,40	5320	**2065**	**2406**	**2298**
Helpman-LEX 20-4 230	2	14,10	7410	**2510**	**2880**	**2757**
Helpman-LEX 22-4 230	2	17,90	9680	**3011**	**3453**	**3273**
Helpman-LEX 24-4 230	2	22,70	12320	**3521**	**3963**	**3900**
Helpman-LEX 26-4 230	3	27,80	14200	**4270**	**4800**	**4663**
Helpman-LEX 28-4 230	3	35,70	18500	**4998**	**5528**	**5464**
Helpman-LEX 30-4 230	4	44,80	24660	**6531**	**7168**	**7084**
Fin spacing 7 mm	Fans	Capacity (*)	Air flow rate	RCPL		
		[kW]	[m3/h]	A	E2	G1
Helpman-LEX 2-7 230	1	1,03	1080	**614**	**729**	**733**
Helpman-LEX 4-7 230	1	1,09	1840	**687**	**832**	**812**
Helpman-LEX 6-7 230	1	2,08	1750	**921**	**1066**	**1052**
Helpman-LEX 8-7 230	1	4,04	2800	**1055**	**1204**	**1200**
Helpman-LEX 10-7 230	2	4,01	3680	**1215**	**1375**	**1360**
Helpman-LEX 12-7 230	2	5,05	3500	**1395**	**1555**	**1569**
Helpman-LEX 14-7 230	1	5,09	3900	**1433**	**1727**	**1622**
Helpman-LEX 16-7 230	1	7,09	5100	**1759**	**2079**	**1956**
Helpman-LEX 18-7 230	2	9,00	5600	**1895**	**2235**	**2128**
Helpman-LEX 20-7 230	2	12,02	7800	**2303**	**2673**	**2550**
Helpman-LEX 22-7 230	2	15,07	10200	**2762**	**3204**	**3024**
Helpman-LEX 24-7 230	2	20,00	13000	**3230**	**3672**	**3609**
Helpman-LEX 26-7 230	3	24,60	15300	**3918**	**4447**	**4311**
Helpman-LEX 28-7 230	3	31,00	19500	**4585**	**5115**	**5051**
Helpman-LEX 30-7 230	4	40,10	26000	**5991**	**6628**	**6545**

* Nominal capacities for R-404A according to Eurovent SC2, lightly frosted coil.

General description

Specifications	
Coil	Cu tubing, Alu fins
Air direction	Blow-through
Fans	3 - 8
Fin spacing	7 mm
Evaporating temperatures	+5 °C to -10 °C
Capacity range	7 - 29 kW
Refrigerant	All H(C)FC, brine, CO_2
Refrigerant system	Direct exp. and brine
Options	
Electric defrost	E1, E4
Hot gas defrost	G1
Drip tray insulation	I2
Isolating switch	ISM
Refrigerant connections left/right	L/ R

For detailed information see brochure:55.15 (available at www.helpman.com)

Application
Helpman LFX air coolers have been exclusively designed for the refrigerated storage of agricultural produce. These cooler models are characterised by an optimised capacity/air volume ratio and a relatively low profile. All models have been optimised for air temperatures around 10 °C and a small temperature difference to avoid product dehydration.

Capacity
Nominal capacities 7 to 29 kW (lightly frosted coil, R-404A, Eurovent SC2). Air flow 5,100 up to 22,400 m^3/h.

Coil
Coil manufactured from smooth Cu tubes Ø 1/2” and corrugated Alu-fins, tube pitch 38 x 38 mm square. Available in 2 coil block modules, both 6 tube rows deep.

Casing
Corrosion resistant material (aluminium/sendzimir), white epoxy coated RAL 9003. Hinged module 1) or easily removable (module 2) enclosed end covers. Sufficient room for fitting the expansion valve inside casing. All models fitted with easily removable drip tray. Drip tray drain(s) horizontal.

Fan motors
Blow-through fans with elevated external pressure to ensure optimised air distribution, diameters 305 mm or 356 mm. Enclosed design spray-tight fan motors, protection class IP-55. Motors are equipped with a thermal safety device in the windings, connected to separate terminals in the box.

Certification
All DX cooler models are “Eurovent Certify All” certified. The Alfa Laval quality system is in accordance with ISO 9001. All products are manufactured according to CE and PED rules.

Selection & RCPL
Air cooler selection and RCPL pricing is to be performed with our ‘HelpmanSelect’ Air Heat Exchanger selection software.

Selection & RCPL
HelpmanSelect

ДЕ 01

Lloyd's Register
CE 0343
FULL QUALITY ASSURANCE
PED B+D/D1

EUROVENT
CERTIFIED PERFORMANCE
CERTIFY-ALL

General description

Specifications	
Coil	Cu tubing, Alu fins
Air direction	Blow-through or draw-through
Fans	1 -7
Fin spacing	4, 6, 7, 8, or 10 mm
Evaporating temperatures	+5 °C to -40 °C
Capacity range	6 - 120 kW
Refrigerant	All H(C)FC, brine, CO_2
Refrigerant system	DX, pumped
Options	
Electric defrost	E1, E2, E4
Hot gas defrost	G1, G2
Water defrost	W
Diffusor	D
Diffusor with dumpers	DO
Electrical defrost for the diffusor's dumpers	E5
Drip tray insulation	I2/I3
Fan ring heater	FRH
Mounting feet	M
Isolating switch	ISM
Suction Hood	SH
Stainless steel casing	SSC
Refrigerant connections left/right	L / R

For detailed information see brochure:55.20 (available at www.helpman.com)

Application

The Helpman THOR series is a wide and flexible range of heavy-duty industrial air coolers for both cooling and freezing applications in medium to large cold rooms. Suitable for a wide range of applications, with a special focus on meat storage, agricultural produce and packed products.

Capacity

Nominal capacities 6 to 115 kW (lightly frosted coil, R-404A, Eurovent SC2). Air flow 4,000 up to 67,000 m^3/h.

Coil

Coil manufactured from smooth Cu tubes Ø 5/8" and corrugated Alu-fins, tube pitch 50 x 50 mm square. Available in 7 coil block modules, 4, 6 or 8 tube rows deep.

Casing

Corrosion resistant material (aluminium/sendzimir), white epoxy coated RAL 9003. Hinged, enclosed end covers. Larger modules (5-7) fitted with easily removable end covers. Sufficient room for fitting the expansion valve inside casing. All models fitted with a hinged drip tray. Driptray drain(s) freely adjustable into either horizontal or vertical position.

Fan motors

Fans available in a range of different executions, diameters 406 mm up to 710 mm. Enclosed design spray-tight fan motors, protection class IP-55. Motors are equipped with a thermal safety device in the windings, connected to separate terminals in the box. Fans can be supplied in both blow-through (Helpman THOR-B) and draw-through versions (Helpman THOR-Z).

Certification

All DX cooler models are "Eurovent Certify All" certified. The Alfa Laval quality system is in accordance with ISO 9001. All products are manufactured according to CE and PED rules.

Selection & RCPL

Air cooler selection and RCPL pricing is to be performed with our 'HelpmanSelect' Air Heat Exchanger selection software.

Selection & RCPL
HelpmanSelect

ДЕ 01

Lloyd's Register CE 0343 FULL QUALITY ASSURANCE PED B+D/D1

EUROVENT CERTIFIED PERFORMANCE CERTIFY-ALL

General description

Specifications	
Coil	Cu tubing, Alu fins
Air direction	Blow-through
Fans	3 - 7
Fin spacing	7 mm
Evaporating temperatures	+5 °C to -10 °C
Capacity range	18 - 52 kW
Refrigerant	All H(C)FC, brine, CO_2
Refrigerant system	DX, pumped
Options	
Electric defrost	E1, E4
Hot gas defrost	G1
Water defrost	W
Diffusor	D
Drip tray insulation	I2/I3
Isolating switch	ISM
Stainless steel casing	SSC
Refrigerant connections left/right	L / R

For detailed information see brochure:55.15 (available at www.helpman.com)

Application
Helpman THOR-F air coolers have been exclusively designed for the refrigerated storage of agricultural produce. These cooler models are characterised by an optimised capacity/air volume ratio and a relatively low profile. All models have been optimised for air temperatures around 10 °C and a small temperature difference to avoid product dehydration.

Capacity
Nominal capacities 18 to 52 kW (lightly frosted coil, R-404A, Eurovent SC2). Air flow 12,800 up to 36,000 m^3/h.

Coil
Coil manufactured from smooth Cu tubes Ø 5/8" and corrugated Alu-fins, tube pitch 50 x 50 mm square. Available in 2 coil block modules, both 6 tube rows deep.

Casing
Corrosion resistant material (aluminium/sendzimir), white epoxy coated RAL 9003. Hinged, enclosed end covers. Sufficient room for fitting the expansion valve inside casing. All models fitted with a hinged drip tray. Driptray drain(s) freely adjustable into either horizontal or vertical position.

Fan motors
Blow-through fans with elevated external pressure to ensure optimised air distribution, diameters 406 mm or 457 mm. Enclosed design spray-tight fan motors, protection class IP-55. Motors are equipped with a thermal safety device in the windings, connected to separate terminals in the box.

Certification
All DX cooler models are "Eurovent Certify All" certified. The Alfa Laval quality system is in accordance with ISO 9001. All products are manufactured according to CE and PED rules.

Selection & RCPL
Air cooler selection and RCPL pricing is to be performed with our 'HelpmanSelect' Air Heat Exchanger selection software.

Selection & RCPL
HelpmanSelect

ДЕ 01

Lloyd's Register
CC 0343
FULL QUALITY ASSURANCE
PED B+D/D1

EUROVENT CERTIFIED PERFORMANCE
CERTIFY-ALL

General description

Specifications	
Coil	Stainless steel tubing, Alu fins
Air direction	Blow-through or draw-through
Fans	1 - 7
Fin spacing	4, 6, 7, 8, or 10 mm
Evaporating temperatures	+5 °C to -40 °C
Capacity range	6 - 120 kW
Refrigerant	NH_3, H(C)FC, brine, CO_2
Refrigerant system	DX, pumped
Options	
Electric defrost	E1, E2, E4
Hot gas defrost	G1, G2
Water defrost	W
Drip tray insulation	I2/I3
Diffusor	D
Diffusor with dumpers	DO
Diffusor with dumpers	E5
Fan ring heater	FRH
Mounting feet	M
Isolating switch	ISM
Suction Hood	SH
Stainless steel casing	SSC
Refrigerant connections left/right	L / R

For detailed information see brochure:55.30 (available at www.helpman.com)

Application

The Helpman TYR series is a wide and flexible range of heavy-duty industrial air coolers for both cooling and freezing applications in medium to large cold rooms. Suitable for a wide range of applications with a special focus on meat storage, agricultural produce and packed products.

Capacity

Nominal capacities 6 to 115 kW (lightly frosted coil, R-404A, Eurovent SC2). Air flow 4,000 up to 67,000 m^3/h.

Coil

Coil manufactured from smooth stainless steel tubes Ø16 mm and corrugated Alu-fins, tube pitch 50 x 50 mm square. Available in 7 coil block modules, 4, 6 or 8 tube rows deep.

Casing

Corrosion resistant material (aluminium/sendzimir), white epoxy coated RAL 9003. Hinged, enclosed end covers. Larger modules (5-7) fitted with easily removable end covers. Sufficient room for fitting the expansion valve inside casing. All models fitted with a hinged drip tray. Driptray drain(s) freely adjustable into either horizontal or vertical position.

Fan motors

Fans available in a range of different executions, diameters 406 mm up to 710 mm. Enclosed design spray-tight fan motors, protection class IP-55. Motors are equipped with a thermal safety device in the windings, connected to separate terminals in the box. Fans can be supplied in both blow-through (Helpman TYR-B) and draw-through versions (Helpman TYR-Z).

Certification

All DX cooler models are “Eurovent Certify All” certified. The Alfa Laval quality system is in accordance with ISO 9001. All products are manufactured according to CE and PED rules.

Selection & RCPL

Air cooler selection and RCPL pricing is to be performed with our ‘HelpmanSelect’ Air Heat Exchanger selection software.

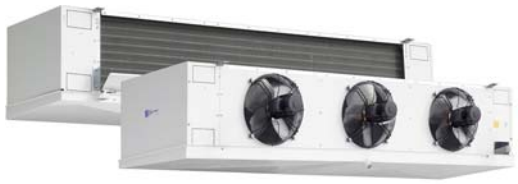
Selection & RCPL
HelpmanSelect

ДЕ 01

Lloyd's Register
CE 0343
FULL QUALITY ASSURANCE
PED B+D/D1

EUROVENT
CERTIFIED PERFORMANCE
CERTIFY-ALL

General description



Specifications	
Coil	Stainless steel tubing, Alu fins
Air direction	Blow-through
Fans	3 - 7
Fin spacing	7 mm
Evaporating temperatures	+5 °C to -10 °C
Capacity range	18 - 52 kW
Refrigerant	All H(C)FC, brine, CO_2
Refrigerant system	DX, pumped
Options	
Electric defrost	E1, E4
Hot gas defrost	G1
Water defrost	W
Drip tray insulation	I2/I3
Isolating switch	ISM
Stainless steel casing	SSC
Refrigerant connections left/right	L / R

For detailed information see brochure:55.15 (available at www.helpman.com)

Application

Helpman TYR-F air coolers have been exclusively designed for the refrigerated storage of agricultural produce. These cooler models are characterised by an optimised capacity/air volume ratio and a relatively low profile. All models have been optimised for air temperatures around 10 °C and a small temperature difference to avoid product dehydration.

Capacity

Nominal capacities 18 to 52 kW (lightly frosted coil, R-404A, Eurovent SC2). Air flow 12,800 up to 36,000 m^3/h.

Coil

Coil manufactured from smooth stainless steel tubes Ø 16 mm and corrugated Alu-fins, tube pitch 50 x 50 mm square. Available in 2 coil block modules, both 6 tube rows deep.

Casing

Corrosion resistant material (aluminium/sendzimir), white epoxy coated RAL 9003. Hinged, enclosed end covers. Sufficient room for fitting the expansion valve inside casing. All models fitted with a hinged drip tray. Driptray drain(s) freely adjustable into either horizontal or vertical position.

Fan motors

Blow-through fans with elevated external pressure to ensure optimised air distribution, diameters 406 mm or 457 mm. Enclosed design spray-tight fan motors, protection class IP-55. Motors are equipped with a thermal safety device in the windings, connected to separate terminals in the box.

Certification

All DX cooler models are “Eurovent Certify All” certified. The Alfa Laval quality system is in accordance with ISO 9001. All products are manufactured according to CE and PED rules.

Selection & RCPL

Air cooler selection and RCPL pricing is to be performed with our ‘HelpmanSelect’ Air Heat Exchanger selection software.

Selection & RCPL
HelpmanSelect

ДЕ 01

Lloyd's Register
CE 0343
FULL QUALITY ASSURANCE
PED B+D/D1

EUROVENT
CERTIFIED PERFORMANCE
CERTIFY-ALL

General description

Specifications	
Series	PCD: air cooler
	PCDG: liquid circulated air cooler
Coil material	Cu tubes and Al fins
Fin spacing	5 mm
Refrigerant	R404A, or all not corrosive
Fan diameter	254 mm
Fan speed	1400 rpm
Air direction	Dual discharge
Options	
Electric defrost	
Fan speed control (thyristor regulator for stepless fan speed control)	
Defrost thermostat system (includes defrost break thermostat and starter delay thermostat of fan, needed for automatic control, max. te = –8 ºC)	

Note: Product in phase-out

Application

Polar Cat Duo air coolers with extremely low profile are designed for commercial cold rooms, engine and monitoring rooms and other spaces, which need to be cooled. Low air velocity and noise level make them especially suitable for workrooms and other occupied areas. The range includes applications for evaporative refrigerants and liquids, which do not corrode copper.

Capacity

Nominal capacity according to ENV328 and EUROVENT rules (SC2): 1.08-5.22 kW.

Coil

The heat transfer section is made of aluminium fins and copper tubes. Fin spacing is 5 mm.

Casing

Casing material is polyester coated hot dip galvanized steel, color white NCS 1002-4. Casing including the drip tray are easy to open and remove for cleaning. A manual including installation and service instructions is shipped with each unit.

Fan motors

The standard motors are suitable for 1/230 V/ 50 Hz power supply. The motors are totally enclosed, impedance protected shaded-pole motors (0.42 A, 0.07 kW). The minimum operating temperature for fan motors is –25°C. The air suction is from below and the blowing sidewards. The protection class of fans is IP44.

Certification

About the performance, all DX unit coolers are certified by Eurovent "Certify All".
The Alfa Laval quality system is in accordance with ISO 9001.
All products are manufactured to CE rules.

Selection & Prices

Complete air cooler selection may be performed with our FincoilSelect Air Software.

Prices

PCD	Fan motor	Standard model Fin spacing	Extra price			
Size		5 mm	SS	Ps	Te	G
201	1 x 254	**671**	**160**	**146**	**132**	**165**
202	2 x 254	**974**	**174**	**146**	**132**	**165**
203	3 x 254	**1266**	**207**	**146**	**132**	**165**
204	4 x 254	**1548**	**228**	**146**	**132**	**165**
205	5 x 254	**2017**	**321**	**146**	**132**	**165**

SS = Electric defrost
Ps = Rotation speed regulator
Te = Fan delay thermostat (non-mounted)
G = Liquid use

General description

Specifications	
Series	AT
Application	E = Direct expansion evaporator
Coil material	Cu tubes and Al fins
Fin spacing	4, 6 mm
Fan motor	350, 450 mm
Casing material	Patented casing
Defrost	A: air defrost; E: Electrical defrost
Air direction	Dual discharge
Options	
Water/glycol execution	
Special fan motors	
Multiple fin spacing	
Different coil treatments	
Different connection side	
DC: diagnostic control	
VC: vacuum pump	

Application

Capacity

Nominal capacity according to ENV328 and EUROVENT rules (SC1): 1.5 up to 12 kW

Coil

Coil manufactured from internally rippled Cu tubes ø 12mm (brine: smooth tubing) and aluminium fins. Tube pitch 48 x 41.57 mm staggered. Fin spacings 4 and 6 mm.

Casing

AlfaTop stands out by a revolutionary new casing design, making this product really into a ‘looker’ amongst traditional air coolers. It is available in ABS or epoxy coated sheetsteel. A patented automatic casing closure system keeps the defrost energy inside the cooler casing, thus substantially lowering defrost times and reducing operating costs.

Fans

Blow-through fans ø 350 mm or 450 mm, fan motors both 230/50/1 and 400/50/3. Enclosed design spray-tight fan motors, protection class IP-54. Motors are equipped with a thermal safety device in the windings, connected to separate terminals in the box.

Certification

About the performance, all DX unit coolers are certified by Eurovent "Certify All".
The Alfa Laval quality system is in accordance with ISO 9001.
All products are manufactured to CE rules.

Selection & Prices

Complete air cooler selection and all prices may to be performed with our AlfaSelect Air Software.
In case of inconsistency of data between this book and selection software, please refer always to the last one.

Prices

A: air defrost
E: Electrical defrost
EP: epoxy coated aluminium fins.

Model	RCPL			Extra price
	A	E		EP
4mm Fin spacing				
ATE351A	**2336**	**2410**		**292**
ATE351B	**2386**	**2459**		**299**
ATE351C	**2431**	**2554**		**304**
ATE351D	**2495**	**2622**		**312**
ATE351E	**2542**	**2670**		**318**
ATE352C	**2786**	**2958**		**348**
ATE352D	**2865**	**3038**		**358**
ATE352E	**2926**	**3098**		**366**
6mm Fin spacing				
ATE351A	**2256**	**2330**		**282**
ATE351B	**2306**	**2379**		**289**
ATE351C	**2351**	**2474**		**294**
ATE351D	**2415**	**2542**		**302**
ATE351E	**2462**	**2590**		**308**
ATE352C	**2692**	**2864**		**337**
ATE352D	**2771**	**2944**		**347**
ATE352E	**2832**	**3004**		**354**

Accessories and options

Model	Extra price	
	DC	VC
ATE351A	**390**	**105**
ATE351B	**390**	**105**
ATE351C	**390**	**105**
ATE351D	**390**	**105**
ATE351E	**390**	**105**
ATE352C	**390**	**105**
ATE352D	**390**	**105**
ATE352E	**390**	**105**

DC: diagnostic control
VC: vacuum pump

General description

Specifications	
Series	TGL31-TGL38
	TBL61-TBL68
Application	E = Direct expansion evaporator, B = Brine unit cooler,
Coil material	Cu tubes and Al fins
Fin spacing	TGL 4.5 mm:
	TBL: 7 mm
Fan motor	300, 350 mm
Casing material	Aluminium prepainted or plastic
Defrost	Direct expansion evaporator: A = Air, E = Electric, HG = Hot gas
	Brine: A = Air, E = Electric
Air direction	Dual discharge

Options
Special fan motors
Local safety switch
Cable electrical heater
Re-heating coil
Multiple fin spacing
Different coil treatments

Application

These units with double air flux, are designed for use in cold rooms mainly for fresh goods with volume from 10 to 150 m^3. Units designed for an easy maintenance with immediate access to the inspection areas. This series is available as evaporator (DX, HFC) and Brine unit cooler.

Capacity

Nominal capacity according to ENV328 and EUROVENT rules (SC2): 1,2 - 10,3 kw

Coil

Coil manufactured from corrugated aluminium fins and copper rippled tubes nominal diameter 12 mm for DX evaporator and smooth tubes nominal diameter 12 mm for Brine.
Frame made from aluminium sheets.

Casing

It's manufactured from anti-shock plastic materials, suitable for applications where a high degree of hygiene is required.

Fans

Single-phase motor 230V-50Hz, 4 poles, Protection class IP 54 according to DIN 40050. Low power consumption. Integrated thermal protection by thermo-contacts.
This provides reliable protection against thermal overload.

Certification

About the performance, all DX unit coolers are certified by Eurovent "Certify All".
The Alfa Laval quality system is in accordance with ISO 9001.
All products are manufactured to CE rules.

Selection & Prices

Complete air cooler selection and all prices may to be performed with our AlfaSelect Air Software.
In case of inconsistency of data between this book and selection software, please refer always to the last one.

Prices
A: air defrost
E: Electrical defrost
HG = Hot gas

Model		RCPL					
		Plastic			Metal		
		A	E	HG	A	E	HG
DIRECT EXPANSION							
TGL	31	590	685	652	692	786	754
	32	685	781	748	786	882	849
	33	917	1003	980	1070	1154	1133
	34	1049	1135	1112	1202	1286	1265
	35	1265	1378	1327	1490	1604	1553
	36	1498	1611	1560	1724	1838	1787
	37	1883	2008	1946	2219	2344	2282
	38	2209	2334	2271	2545	2670	2607
TBL	61	579	675	642	680	776	743
	62	667	762	729	768	863	830
	63	882	967	944	1035	1119	1097
	64	1007	1092	1069	1160	1244	1222
	65	1291	1403	1353	1516	1630	1579
	66	1432	1545	1494	1658	1771	1720
	67	1834	1959	1896	2170	2295	2233
	68	2109	2234	2172	2445	2570	2507

Accessories and options

Electrical options	
Local safety switch wired	
Number of fan	
2	**243**
3	**364**
4	**486**
Cable electrical heater	
Model RS 70W	**18**

Fan motor					
		Code number		**RCPL**	
		4p	**6p**	**4p**	**6p**
Fan motor 230V/1ph - 50/60 Hz. **Extra price for each fan**	Ø 300	STD	41101027	-	NEP
	Ø 350	STD	41101028	-	NEP
		4p	**6p**	**4p**	**6p**
Fan motor 230V/3ph - 50/60 Hz. **Extra price for each fan**	Ø 300	41100269	-	**87**	-
	Ø 350	41101026	-	**37**	-

Series	Coil treatment	
	Cataphoresis	**Epoxy coated fins**
Direct exp.		
31	**173**	**60**
32	**173**	**60**
33	**346**	**120**
34	**346**	**120**
35	**346**	**120**
36	**346**	**120**
37	**519**	**180**
38	**519**	**180**
61	**173**	**60**
62	**173**	**60**
63	**346**	**120**
64	**346**	**120**
65	**346**	**120**
66	**346**	**120**
67	**519**	**180**
68	**519**	**180**

Re-heating coil						
Model		**Application**	**Extra rows**	**Total NC**	**Capacity (*)**	**RCPL**
D=300mm	31 / 61	Dx / Brine	2+2	2	4,78	**174**
	32 / 62	Dx / Brine	2+2	2	4,78	**174**
	33 / 63	Dx / Brine	2+2	2	8,95	**280**
	34 / 64	Dx / Brine	2+2	2	8,95	**280**
D=350mm	35 / 65	Dx / Brine	2+2	2	12,56	**389**
	36 / 66	Dx / Brine	2+2	2	12,56	**389**
	37 / 67	Dx / Brine	2+2	2	17,45	**577**
	38 / 68	Dx / Brine	2+2	2	17,45	**577**

(*) The re-heating capacity is calculated using the following conditions:

- Water inlet temp: 40°C
- Fluid velocity: 1 m/s
- Air inlet temperature: +12°C
- Fluid pressure drop: lower than 50 kPa

General description

BF

TF

Specifications	
Series	BFG, BFB, TFG
Application	E = Direct expansion evaporator, B = Brine unit cooler, A = Ammonia
Size	BF: 2-5 Fan motors
	TF: 1-5 Fan motors
Coil material	Cu tubes and Al fins
	SS tubes and Al fins
Coil size	BF: B/C
	TF: A/B
Fin spacing	BFG: 4 mm
	BGB: 7 mm
	TFG: 4 mm
Fan diameter	400 mm
Air direction	Dual discharge
Defrost	A = Air, E = Electrical

Options
Special fan motors
Local safety switch
Terminal box
Different coil treatments
Multiple fin spacing
Re-heating coil
Stainless steel casing
Insulated drip tray

Application

Series with double air flux, designed for use mainly in working and packaging room, where it's basic to have low noise level and low air velocity. Cold room volumes from 50 to 500 m^3. Units designed for an easy maintenance with immediate access to the inspection areas. This series is available as evaporator (DX or pump, HFC, NH_3 and CO_2) and Brine unit cooler.

Capacity

Nominal capacity according to ENV328 and EUROVENT rules (SC2): 3,5 - 32 KW.

Coil

Coil manufactured from corrugated aluminium fins and copper rippled tubes nominal diameter 12 mm for DX evaporator and smooth tubes nominal diameter 12 mm for Brine and 16 SS mm for NH_3 units.

Casing

It's manufactured from pre-painted aluminium sheets RAL 9010, protected by plastic film, suitable for applications where a high degree of hygiene is required and also for sea environment. Plastic film has to be remove after installation.

Fan motors

Three-phase motor 400V-50Hz, with double fan speed (Y connection with 1240 rpm and D connection with 1400 rpm). Protection class IP 54 according to DIN 40050. Low power consumption. Integrated thermal thermo contacts. This provides reliable protection against thermal overload.

Certification

About the performance, all DX unit coolers are certified by Eurovent "Certify All".
The Alfa Laval quality system is in accordance with ISO 9001.
All products are manufactured to CE rules.

Selection & Prices

Complete air cooler selection and all prices may to be performed with our AlfaSelect Air Software.

General description

Specifications	
Series	ITR. ITB
Size	2-4 Fan motors
Application	E = Direct expansion evaporator, W = Brine unit cooler , A = Ammonia pump evaporator
Coil material	Cu tubes and Al fins
	SS tubes and Al fins
Coil size	Direct exp. and brine: B, C
	Ammonia: B, C, E
Fin spacing	ITR: 5 mm
	ITB: 7 mm
Fan diameter	560 mm
Air direction	Dual discharge
Defrost	A = Air, E = Electric, W = Water
Options	
Special fan motors	
Local safety switch	
Terminal box	
Different coil treatments	
Multiple fin spacing	
Re-heating coil	
Stainless steel casing	
Insulated drip tray	

Application

Series with double air flux, designed for use in cold rooms for fresh and frozen goods with volume from 300 to 2000 m^3. Units designed for an easy maintenance with immediate access to the inspection areas. This series is available as evaporator (DX or pump, NFC, NH_3 e CO_2) and Brine unit cooler.

Capacity

Nominal capacity according to ENV328 and EUROVENT rules (SC2): 22-62,6 Kw.

Coil

Coil manufactured from corrugated aluminium fins and copper rippled tubes nominal diameter 12 mm for DX evaporator and smooth tubes nominal diameter 16 mm for Brine and NH_3 units (SS Tubes).

Casing

It's manufactured from pre-painted aluminium sheets RAL 9010, protected by plastic film, suitable for applications where a high degree of hygiene is required and also for sea environment.

Fan motors

Three-phase motor 400V-50Hz, double fan speed (standard D connection with 1300 rpm and Y connection with 970 rpm). Protection class IP 54 according to DIN 40050. Low power consumption. Integrated thermal protection by thermo contacts. This provides reliable protection against thermal overload.

Certification

About the performance, all DX unit coolers are certified by Eurovent "Certify All".
The Alfa Laval quality system is in accordance with ISO 9001.
All products are manufactured to CE rules.

Selection & Prices

Complete air cooler selection and all prices may to be performed with our AlfaSelect Air Software.
In case of inconsistency of data between this book and selection software, please refer always to the last one.

Prices

A: air defrost E: Electrical defrost W: Water defrost

E = Direct expansion evaporator			
Model	**BIG TOP**		
Defrost	**A**	**E**	**W**
	Fin spacing 5 mm		
ITRE_562B_5	**5101**	**5999**	**5687**
ITRE_562C_5	**5690**	**6684**	**6344**
ITRE_563B_5	**6795**	**7990**	**7577**
ITRE_563C_5	**7577**	**8908**	**8452**
ITRE_564B_5	**8513**	**10008**	**9497**
ITRE_564C_5	**9491**	**11153**	**10580**
	Fin spacing 7 mm		
ITBE_562B_7	**4838**	**5735**	**5422**
ITBE_562C_7	**5394**	**6386**	**6046**
ITBE_563B_7	**6445**	**7639**	**7227**
ITBE_563C_7	**7186**	**8517**	**8060**
ITBE_564B_7	**8074**	**9566**	**9055**
ITBE_564C_7	**9007**	**10664**	**10091**

Accessories and options

Electrical options	
	RCPL
Local safety switch wired	
Number of fan	
2	**243**
3	**364**
4	**486**
Terminal box	
Number of fan	
2	**194**
3	**266**
4	**308**

Fan motor					
		Code number		RCPL	
		4/4p	6/6p	4/4p	6/6p
Fan motor 400-460V/3ph - 50/60 Hz.	50 Hz	STD	41101244	NEP	**52**
Extra price for each fan	60 Hz	41101274	-	**254**	-

Double insulated drip tray	
Number of fan	Aluminium pre-painted
2	**898**
3	**1077**
4	**1346**
Number of fan	Stainless steel
2	**1167**
3	**1399**
4	**1749**

Coil treatment												
Series	Cataphoresis						Epoxy coated fins					
	ITR			ITB			ITR			ITB		
	B	C	E	B	C	E	B	C	E	B	C	E
Direct exp.												
Number of fan												
2	**740**	**988**	**1232**	**414**	**720**	-	**520**	**600**	**686**	**440**	**500**	-
3	**1110**	**1482**	**1848**	**621**	**1080**	-	**780**	**900**	**1029**	**660**	**750**	-
4	**1480**	**1976**	**2464**	**828**	**1440**	-	**1040**	**1200**	**1372**	**880**	**1000**	-

Stainless steel tubes with aluminium fins						
Series	ITR			ITB		
	B	C	E	B	C	E
Direct exp.						
Number of fan						
2	**2207**	**2462**	-	**2093**	**2334**	-
3	**2940**	**3279**	-	**2789**	**3110**	-
4	**3684**	**4107**	-	**3493**	**3897**	-
Brine						
Number of fan						
2	**2306**	**2561**	-	**2192**	**2432**	-
3	**3041**	**3379**	-	**2888**	**3209**	-
4	**3784**	**4206**	-	**3592**	**3997**	-

Stainless steel casing	
	RCPL
Number of fan	
2	**1751**
3	**2333**
4	**2922**
FE connection	
Ref. connection in stainless steel kit with end terminal in Fe	**309**

General description

Specifications	
Coil	Cu tubing, Alu fins
Air direction	Dual discharge, blow-through
Fans	1 - 5
Fin spacing	4 or 7 mm
Evaporating temperatures	+5 °C to -40 °C
Capacity range	4 - 123 kW
Refrigerant	All H(C)FC, brine, CO_2
Refrigerant system	DX, pumped
Options	
Electric defrost	E1, E4
Hot gas defrost	G1
Drip tray insulation	I2/I3
Fan ring heater	FRH
Isolating switch	ISM
Stainless steel casing	SSC
Horizontal drain	
Dual fan speed motors	

For detailed information see brochure: 55.14 (available at www.helpman.com)

Application
The Helpman THOR-D series are a further extension to the already wide and flexible THOR range of heavy-duty industrial air coolers. THOR-D dual discharge coolers are characterised by a low silhouette. Coolers may be used for both cooling and freezing applications in medium to large cold rooms. Suitable for a wide range of applications with a special focus on meat storage, agricultural produce and processing rooms (low air velocity!).

Capacity
Nominal capacities 4 to 123 kW (lightly frosted coil, R-404A, Eurovent SC2). Air flow 3,000 up to 60,000 m^3/h.

Coil
Coil manufactured from smooth Cu tubes Ø 5/8" and corrugated Alu-fins, tube pitch 50 x 50 mm square. Available in 3 coil block modules, 4, 6 or 8 tube rows deep.

Casing
Corrosion resistant material (aluminium/sendzimir), white epoxy coated RAL 9003. Hinged, enclosed end covers. Sufficient room for fitting the expansion valve inside casing. All models fitted with hinged drip trays.

Fan motors
Fans available in a range of different executions, diameters 457, 508 and 710 mm. Enclosed design spray-tight fan motors, protection class IP-55. Motors are equipped with a thermal safety device in the windings, connected to separate terminals in the box. Fan motors available in high (1500 rpm) and low speed execution (1000 rpm).

Certification
All DX cooler models are "Eurovent Certify All" certified. The Alfa Laval quality system is in accordance with ISO 9001. All products are manufactured according to CE and PED rules.

Selection & RCPL
Air cooler selection and RCPL pricing is to be performed with our 'HelpmanSelect' Air Heat Exchanger selection software.

Selection & RCPL
HelpmanSelect

ДЕ 01

Lloyd's Register CE 0343 FULL QUALITY ASSURANCE PED B+D/D1

EUROVENT CERTIFIED PERFORMANCE CERTIFY-ALL

General description

Specifications	
Coil	Stainless steel tubing, Alu fins
Air direction	Dual discharge, blow-through
Fans	1 - 5
Fin spacing	4 or 7 mm
Evaporating temperatures	+5 °C to -40 °C
Capacity range	4 - 123 kW
Refrigerant	NH_3, H(C)FC, brine, CO_2
Refrigerant system	DX, pumped
Options	
Electric defrost	E1, E4
Hot gas defrost	G1
Drip tray insulation	I2/I3
Fan ring heater	FRH
Isolating switch	ISM
Stainless steel casing	SSC
Horizontal drain	
Dual fan speed motors	

For detailed information see brochure: 55.34 (available at www.helpman.com)

Application
The Helpman TYR-D series are a further extension to the already wide and flexible TYR range of heavy-duty industrial air coolers. TYR-D dual discharge coolers are characterised by a low silhouette. Coolers may be used for both cooling and freezing applications in medium to large cold rooms. Suitable for a wide range of applications with a special focus on meat storage, agricultural produce and processing rooms (low air velocity!).

Capacity
Nominal capacities 4 to 123 kW (lightly frosted coil, R-404A, Eurovent SC2). Air flow 3,000 up to 60,000 m^3/h

Coil
Coil manufactured from smooth stainless steel tubes Ø 16 mm and corrugated Alu-fins, tube pitch 50 x 50 mm square. Available in 3 coil block modules, 4, 6 or 8 tube rows deep.

Casing
Corrosion resistant material (aluminium/sendzimir), white epoxy coated RAL 9003. Hinged, enclosed end covers. Sufficient room for fitting the expansion valve inside casing. All models fitted with hinged drip trays.

Fan motors
Fans available in a range of different executions, diameters 457, 508 and 710 mm. Enclosed design spray-tight fan motors, protection class IP-55. Motors are equipped with a thermal safety device in the windings, connected to separate terminals in the box. Fan motors available in high (1500 rpm) and low speed execution (1000 rpm).

Certification
All DX cooler models are “Eurovent Certify All” certified. The Alfa Laval quality system is in accordance with ISO 9001. All products are manufactured according to CE and PED rules.

Selection & RCPL
Air cooler selection and RCPL pricing is to be performed with our ‘HelpmanSelect’ Air Heat Exchanger selection software.

Selection & RCPL
HelpmanSelect

ДЕ 01

Lloyd's Register CE 0343 FULL QUALITY ASSURANCE PED B+D/D1

EUROVENT CERTIFIED PERFORMANCE CERTIFY-ALL

General description

Specifications	
Coil	Cu tubing, Alu fins
Air direction	Dual discharge, blow-through
Fans	3 - 5
Banana ripening system	Airbag system
Evaporating temperatures	Optimised for banana ripening
Capacity range	6 to 30 pallets ripening rooms
Refrigerant	All H(C)FC, brine, CO_2
Refrigerant system	DX, pumped

Application

Dual discharge banana ripening coolers Helpman HRC-D have been designed for application in Airbag system banana ripening rooms. The coolers have been optimised for 14.0 °C air-on and 13 °C air-off temperature at an evaporating temperature of 7 °C. Helpman HRC-D air coolers provide for an even temperature distribution throughout the whole ripening room, guaranteeing that the products are ripened as evenly as possible.

Capacity

Nominal capacities 8 to 38 kW (lightly frosted coil, R-404A, Eurovent SC2). The Helpman HRC-D range comprises cooler models for 6 to 30 pallets ripening rooms.

Coil

Coil manufactured from smooth Cu tubes 5/8” and corrugated Alu-fins, tube pitch 50 x 50 mm square.

Casing

Corrosion resistant material (aluminium/sendzimir), white epoxy coated RAL 9003. Hinged, enclosed end covers. Sufficient room for fitting the expansion valve inside casing. All models fitted with hinged drip trays. Lighting is standard integrated in the cooler casing.

Fan motors

Blow-through fans, diameters 508 mm up to 622 mm. Enclosed design spray-tight fan motors, protection class IP-55. Motors are equipped with a thermal safety device in the windings, connected to separate terminals in the box.

Certification

All DX cooler models are “Eurovent Certify All” certified. The Alfa Laval quality system is in accordance with ISO 9001. All products are manufactured according to CE and PED rules.

Selection & RCPL

Air cooler selection and RCPL pricing on request.

ДЕ 01

Lloyd's Register CE 0343 FULL QUALITY ASSURANCE PED B+D/D1

EUROVENT CERTIFIED PERFORMANCE CERTIFY-ALL

General description

Specifications	
Series	FMP..G: pump circulated
	FMP..G: liquid circulated air cooler
Coil material	CA: Cu tubes and Al fins
Fin spacing	CA: 4, 7, 12 mm
Fan diameter	450; 500; 630 mm
Fan speed	1400; 1150; 900; 700 rpm
Std Power supply	3/400V/50 Hz
Air direction	Dual discharge
Refrigerant	R404A, R717A

Options
Different defrosts
Safety switches
Casing of stainless steel
Pump circulation (CA)
Epoxy coated fins (4mm only)
Air suction through the coil block, blowing direction downwards
Safety switches
Air suction from above, blowing sidewards (mounting minimum 300mm from the ceiling)

Application

FMP air coolers and FMPG liquid circulated air coolers are designed for cold rooms where low profile dual discharge air cooler is needed. Units are also suitable for cooling engine rooms and monitoring rooms. The range includes CA-models with copper tubes designed for refrigerants and liquids, which do not corrode copper .

Capacity

Nominal capacity according to ENV328 and EUROVENT rules (SC2): 3.06-73.1KW.

Coil

The heat transfer section is made of aluminium fins and copper tubes (CA) with 4 mm, 7 mm or 12 mm fin spacing. As an option, aluminium fins with epoxy coating are also available with 4 mm fin spacing (please check electric defrost capacity). CA-models are with direct expansion as standard.

Casing

Casing material is polyester coated hot dip galvanized steel, color white NCS 1002-4. Double, uninsulated drip trays are easy to open and remove for cleaning.

Fan motors

The standard motors are suitable for 3/400 V/50 Hz power supply. Suitability for other power supplies has to be checked separately. The minimum operating temperature for fan motors is –50°C. In the standard model the air suction is from below and blowing sidewards. Technical information for other power supplies is available separately. Fan power input in the performance data tables is given at +20°C temperature. Full load current (FLC) is given for temperature of –30°C. The current value changes according to air density. The data may also vary due to changes in motor types; therefore the overload protectors should have a +/–20% adjustment margin. Fan speed can be regulated by changing the voltage, excluding fan Ø 630 mm, which can be regulated by a frequency converter. The fan speed can be reduced by changing delta connection (D) into star connection (Y), excluding fan Ø 630 mm. The fans have internal thermal protectors wired to fans' junction boxes. If they are connected to control the contactor, an external overload protector is not needed (excluding fan Ø 630 mm). The protection class of fans is IP54.

Certification

About the performance, all DX unit coolers are certified by Eurovent "Certify All".
The Alfa Laval quality system is in accordance with ISO 9001.
All products are manufactured to CE rules.

Selection & Prices

Complete air cooler selection may be performed with our FincoilSelect Air Software.

Prices

FMP/FMP(G)	Fan motor	CA Cu tubes and Al fins		Extra price	
		Fin spacing		Epoxy coated fins	AISI 304 Casing
Size		4 and 12	7 mm	Fin spacing (4mm)	
201	1x450	**2309**	**2236**	**230**	-
211	1x450	**2496**	**2402**	**240**	-
221	2x450	**2787**	**2662**	**260**	-
202	2x450	**3619**	**3505**	**310**	-
212	2x450	**4035**	**3848**	**340**	-
231	1x630	**3931**	**3723**	**360**	-
222	2x500	**4597**	**4347**	**380**	-
213	3x450	**5616**	**5335**	**430**	-
223	3x500	**6365**	**6011**	**510**	-
232	2x630	**6989**	**6521**	**560**	-
224	4x500	**8070**	**7602**	**650**	-
233	3x630	**8830**	**8216**	**710**	-

X = Prices are given by request.

Extra price						
Size	SS	SS0	SSA	KK-SSA	Q	W
201	**530**	-	**440**	**490**	**80**	**70**
211	**590**	-	**440**	**490**	**80**	**80**
221	**590**	-	**440**	**490**	**80**	**80**
202	**640**	-	**560**	**660**	**150**	**130**
212	**720**	-	**560**	**660**	**150**	**130**
231	**950**	-	**440**	**490**	**80**	**80**
222	**870**	-	**560**	**660**	**150**	**130**
213	**900**	-	**680**	**780**	**250**	**230**
223	**1110**	-	**680**	**780**	**250**	**230**
232	**1070**	-	**560**	**660**	**150**	**80**
224	**1470**	-	**800**	**930**	**340**	**300**
233	**1250**	-	**680**	**930**	**250**	**230**

SS = Electric defrost
SS0 = Electric defrost (cold rooms appr. 0°C)
SSA = Electric defrost in drip tray
KK-SSA = Hot gas defrost in coil and electric defrost in tray
Q = Safety switches
W = Fans wired to the air cooler end

General description

Specifications		
Series	AMK: pumped circulation NH3	
	AMK(G): liquid circulated air coolers (brine)	
Coil material	Hot dip galvanized	
Fin spacing	4.5, 6, 8, 10, 12 and 15 mm	
Fan diameter	450, 500, 630 mm	
Fan speed	1400 rpm	1600 rpm*
	1150 rpm (excepted 630 mm)	1300 rpm*
	900 rpm	1000 rpm*
	700 rpm (excepted 630 mm)	800 rpm*
Std Power supply	3/400V/50 Hz	3/440V60 Hz*
Air direction	Dual discharge	
Refrigerant	R717	

Options
Different defrosts
Direct expansion evaporator
Safety switches
Special casing
Special fan motors
Air suction through the coil block, blowing direction downwards
Air deflectors
Cover plates at both ends
Fan's safety switches mounted beside the fans

Application

AMK-air coolers are designed for cooling of coldand subzero storages where dual discharge cooling is needed. AMK-air coolers are also suitable for cooling of industrial working areas. The air coolers are designed for pump circulated ammonia, but are suitable also for solutions which do not corrode steel.

Capacity

Nominal capacity (T_e:-8°C, T_{air}:+0°C, ΔTn:8K, R717): 1.6-106kW.

Coil

Heat transfer section is hot dip galvanized A1-finned coil.

Casing

Standard casing material is hot dip galvanized steel.

Fan motors

Fan with low noise level and four fan speed alternatives.

Certification

The Alfa Laval quality system is in accordance with ISO 9001.
All products are manufactured to CE rules.

Selection & Prices

Complete air cooler selection may be performed with our FincoilSelect Air Software.

AHE Selection
Fincoil Select

Prices

AMK	Fin spacing					
Size	4,5 mm	6 mm	8 mm	10 mm	12 mm	15 mm
411	3546	3463	3401	3370	3349	3318
421	4066	3931	3838	3765	3734	3692
431	4867	4659	4524	4430	4378	4326
441	5491	5262	5075	4961	4898	4826
422	5793	5533	5335	5210	5138	5065
432	6854	6458	6167	5990	5866	5751
442	7467	7020	6698	6479	6354	6219
452	8674	8185	7738	7478	7290	7124
443	9526	8809	8403	8112	7914	7696
462	12293	11326	10608	10182	9890	9693
472	14321	13125	12220	11846	11346	10962
463	16401	14955	13874	13229	12792	12366
473	19250	17451	16099	15288	14747	14206
464	21310	20374	17930	17077	16484	15912
474	24617	22225	20426	19334	18616	17898

AMK	Extra price						DX- use	Crate packing
Size	KK	SS	SSA	PVC	RST	PP		
411	460	540	180	390	520	230	110	90
421	480	630	260	450	610	170	110	100
431	480	750	260	450	610	170	220	100
441	480	750	260	470	640	180	220	100
422	620	680	270	610	860	170	260	110
432	620	820	270	610	860	170	260	110
442	610	820	270	620	880	170	260	120
452	610	930	270	660	940	200	260	130
443	700	990	340	770	1140	170	260	170
462	790	1490	290	1020	1470	280	260	150
472	790	1750	290	1020	1470	280	280	150
463	940	1760	350	1310	1940	280	310	170
473	940	1960	350	1310	1940	280	310	170
464	1170	2510	470	1580	2380	270	340	210
474	1180	2810	480	1040	2390	280	410	210

KK = Hot gas defrost
SS = Electric defrost
SSA = Electric defrost in tray
PVC = Casing PVC-coated galvanised steel
RST = Stainless casing
PP = End cover plates

General description

Specifications	
Series	ABE, ABA
Application	E = Direct expansion evaporator, A = Ammonia pump evaporator
Coil material	Cu tubes and Al fins
	SS tubes and Al fins
Fin spacing	7, 10, 12 mm
Coil size	Direct expansion evaporator: A, B, C
	Ammonia: A, B
Fan diameter	500, 630 mm
Size	500 mm: 1-4 Fan motors
	560 mm: 1-3 Fan motors
Defrost	A = Air, E = Electric, HG = Hot gas , W = Water , HG+E = Hot gas + electric
Options	
Special casing	
Special fan motors	
Different coil treatments and/or materials	
Multiple fin spacing	
Local safety switch wired	
Terminal box	
Insulated drip tray	
Fan ring heater	
FE connection	

Application

AlfaBlast is a unit cooler with horizontal air flow direction. It's ideally used for shock-freeze applications in confined spaces, and will offer efficient capacity meat, poultry, fish, bakery, dairy, ice cream, ready-to-serve meals and in all sectors where a fast conservation of food is necessary.

Capacity

Nominal capacity according to ΔT=7k and T_{ev}= -25°C: 12-117 kW

Coil

- Fin Spacing: 7, 10 or 12 mm;
- Fin material: Aluminium;
- Piping: Copper or stainless steel.

Casing

Galvanized steel (standard), stainless steel (option), aluminium (option). Lateral panel removable (standard). Aluminium drip tray (standard)

Fan motors

- Diameter: 500 or 630 mm;
- Motor fan type: 3 phase 400V 50/60 Hz;
- Air static pressure: 50 - 100 Pa or 150 Pa.

Certification

The Alfa Laval quality system is in accordance with ISO 9001.
All products are manufactured to CE rules.

Selection & Prices

Complete air cooler selection and all prices may to be performed with our AlfaSelect Air Software.

General description

Specifications	
Coil	Cu tubing, Alu fins
Air direction	Blow-through
Fans	2 - 8
Fin spacing	7 or 10 mm
Evaporating temperatures	+5 °C to -40 °C
Capacity range	11 - 114 kW
Refrigerant	All H(C)FC, brine, CO_2
Refrigerant system	DX, pumped
Options	
Electric defrost	E1, E2, E4
Hot gas defrost	G1, G2
Water defrost	W
Drip tray insulation	I2/I3
Fan ring heater	FRH
Isolating switch	ISM
Stainless steel casing	SSC
Refrigerant connections left/right	L / R

For detailed information see brochure: 55.23 (available at www.helpman.com)

Application

Industrial shock coolers Helpman THOR-T have been designed for application in cooling and freezing tunnels. Shock-cooling is a process by which a product, mostly meat, is cooled quickly but not too deeply. The principle of shock-cooling is that the surface of the meat product is cooled until just below the freezing point, so that the surface becomes vapour-tight. This has the purpose of limiting the weight (moisture) loss of the product to a minimum. The product may not be cooled too deeply, however, since otherwise the structure of the underlying tissue is damaged, resulting in a decline of the quality of the meat. For shock-coolers, it is important that the total surface of the product that is to be cooled be fully exposed to the cold air flowing from the cooler. For this reason, all models are characterised by an elevated external pressure.

Capacity

Nominal capacities 11 to 114 kW (lightly frosted coil, R-404A, Eurovent SC2). Air flow 11,800 up to 66,400 m^3/h.

Coil

Coil manufactured from smooth Cu tubes Ø 5/8” and corrugated Alu-fins, tube pitch 50 x 50 mm square. Available in 2 coil block modules, 4, 6 or 8 tube rows deep.

Casing

Corrosion resistant material (aluminium/sendzimir), white epoxy coated RAL 9003. Hinged, enclosed end covers. Sufficient room for fitting the expansion valve inside casing. All models fitted with a hinged drip tray. Driptray drain(s) freely adjustable into either horizontal or vertical position.

Fan motors

Blow-through fans with elevated external pressure (120 Pa), diameters 508 mm or 560 mm. Enclosed design spray-tight fan motors, protection class IP-55. Motors are equipped with a thermal safety device in the windings, connected to separate terminals in the box.

Certification

All DX cooler models are “Eurovent Certify All” certified. The Alfa Laval quality system is in accordance with ISO 9001. All products are manufactured according to CE and PED rules.

Selection & RCPL

Air cooler selection and RCPL pricing is to be performed with our ‘HelpmanSelect’ Air Heat Exchanger selection software.

Selection & RCPL
HelpmanSelect

ДЕ 01

Lloyd's Register CE 0343 FULL QUALITY ASSURANCE PED B+D/D1

EUROVENT CERTIFIED PERFORMANCE CERTIFY-ALL

General description

Specifications	
Coil	Stainless steel tubing, Alu fins
Air direction	Blow-through
Fans	2 - 8
Fin spacing	7 or 10 mm
Evaporating temperatures	+5 °C to -40 °C
Capacity range	11 - 114 kW
Refrigerant	NH_3, H(C)FC, brine, CO_2
Refrigerant system	DX, pumped
Options	
Electric defrost	E1, E2, E4
Hot gas defrost	G1, G2
Water defrost	W
Drip tray insulation	I2/I3
Fan ring heater	FRH
Isolating switch	ISM
Stainless steel casing	SSC
Refrigerant connections left/right	L / R

For detailed information see brochure: 55.23 (available at www.helpman.com)

Application

Industrial shock coolers Helpman TYR-T have been designed for application in cooling and freezing tunnels. Shock-cooling is a process by which a product, mostly meat, is cooled quickly but not too deeply. The principle of shock-cooling is that the surface of the meat product is cooled until just below the freezing point, so that the surface becomes vapour-tight. This has the purpose of limiting the weight (moisture) loss of the product to a minimum. The product may not be cooled too deeply, however, since otherwise the structure of the underlying tissue is damaged, resulting in a decline of the quality of the meat. For shock-coolers, it is important that the total surface of the product that is to be cooled be fully exposed to the cold air flowing from the cooler. For this reason, all models are characterised by an elevated external pressure.

Capacity

Nominal capacities 11 to 114 kW (lightly frosted coil, R-404A, Eurovent SC2). Air flow 11,800 up to 66,400 m^3/h.

Coil

Coil manufactured from smooth stainless steel tubes Ø 16 mm and corrugated Alu-fins, tube pitch 50 x 50 mm square. Available in 2 coil block modules, 4, 6 or 8 tube rows deep.

Casing

Corrosion resistant material (aluminium/sendzimir), white epoxy coated RAL 9003. Hinged, enclosed end covers. Sufficient room for fitting the expansion valve inside casing. All models fitted with a hinged drip tray. Driptray drain(s) freely adjustable into either horizontal or vertical position.

Fan motors

Blow-through fans with elevated external pressure (120 Pa), diameters 508 mm or 560 mm. Enclosed design spray-tight fan motors, protection class IP-55. Motors are equipped with a thermal safety device in the windings, connected to separate terminals in the box.

Certification

All DX cooler models are “Eurovent Certify All” certified. The Alfa Laval quality system is in accordance with ISO 9001. All products are manufactured according to CE and PED rules.

Selection & RCPL

Air cooler selection and RCPL pricing is to be performed with our ‘HelpmanSelect’ Air Heat Exchanger selection software.

Selection & RCPL
HelpmanSelect

ДЕ 01

Lloyd's Register CE 0343 FULL QUALITY ASSURANCE PED B+D/D1

EUROVENT CERTIFIED PERFORMANCE CERTIFY-ALL

General description

Specifications	
Series	ISC
Application	S= Direct expansion evaporator, P= Brine unit cooler,
	A = Ammonia pump evaporator
Size	1-2 Fan motors
Std static pressure	150Pa
Coil material	Cu tubes and Al fins
Fin spacing	4.2 mm
Defrost	A = Air, E = Electric,HG = Hot gas , HG+E = Hot gas + electric,
	W+E = Water and electrical, W = Water

Options
Different coil treatments and/or materials
Multiple fin spacing
Special fan motors
Stainless steel casing
Filter pre-fil/MCF

Application

Series with centrifugal fans, designed for sock applications and mainly in working and packaging rooms, where it's basic to have low air velocity and uniform hygrometric conditions. Cold room volumes from 150 to 1500 m^3. Units designed for an easy maintenance with immediate access to the inspection areas. This series is available as evaporator (DX for HFC, or Pump for NH_3) and Brine Unit Coolers.

Capacity

Nominal capacity according to ENV328 and EUROVENT rules (SC2): 12 - 60 KW.

Coil

Coil manufactured from corrugated aluminium fins and copper tubes nominal diameter 16 mm.

Casing

It's manufactured from aluminium sheets, suitable for applications where a high degree of hygiene is required.

Fan motors

Three-phase motor 400V-50/60Hz, 4 poles. Protection class IP 55. External static pressure available standard 150 Pa. Two V belts drive.

Certification

The Alfa Laval quality system is in accordance with ISO 9001. All products are manufactured to CE rules.

All products are manufactured to CE rules.

Prices

A: air defrost
E: electrical defrost (coil + drip tray)
HG: hot gas defrost
W: water defrost only
HG+E combined: hot gas defrost on coil and electrical defrost
W+E: combined: water defrost on coil and electrical defrost

Model ISC	E = Direct expansion evaporator					
	Defrost					
	A	E	HG	W	HG + E	W+ E
1412	4483	4960	5158	4763	4594	4980
1612	4829	5465	5572	5107	5072	5260
1912	5340	6134	6255	5618	5693	5787
1416	4889	5485	5596	5169	5092	5324
1616	5444	6198	6321	5725	5817	5895
1916	6015	6912	7050	6295	6486	6484
2416	8734	9847	9943	9127	9448	9494
2616	9643	11138	10915	10038	10368	10441
2916	10980	12743	12486	11373	11861	11828
Model ISC	**Brine unit cooler**					
	Defrost					
	A	E	HG	W	HG + E	W+ E
1412	4572	5055		4858		
1612	4923	5570		5207		
1912	5443	6250		5728		
1416	4986	5591		5271		
1616	5548	6318		5834		
1916	6134	7047		6417		
2416	8904	10037		9305		
2616	9832	11354		10234		
2916	11192	12991		11596		
Model ISC	**Ammonia pump evaporator**					
	Defrost					
	A	E	HG	W	HG + E	W+ E
1412	6682	7389	7689	7098	6841	7417
1612	7194	8139	8305	7609	7557	7840
1912	7958	9138	9322	8373	8481	8623
1416	7286	8175	8337	7703	7586	7934
1616	8111	9236	9420	8527	8664	8785
1916	8964	10299	10505	9381	9665	9663
2416	13015	14671	14817	13600	14075	14145
2616	14372	16595	16264	14960	15449	15557
2916	16360	18985	18607	16945	17676	17625

Accessories and options

Series	Coil treatment		Coil options		Casing options	Filter pre-fil/MCF
	Cataphoresis	Epoxy coated fins	Stainless steel tubes with aluminium fins	Stainless steel tubes with pre-coated fins	Stainless steel	
Direct exp.						
1412	**1293**	**430**	**3664**	**3880**	**1293**	**362**
1612	**1392**	**464**	**3946**	**4178**	**1392**	**362**
1912	**1540**	**513**	**4365**	**4622**	**1540**	**362**
1416	**1410**	**470**	**3996**	**4231**	**1410**	**362**
1616	**1571**	**523**	**4449**	**4711**	**1571**	**362**
1916	**1735**	**578**	**4916**	**5205**	**1735**	**362**
2416	**2519**	**839**	**7138**	**7559**	**2519**	**725**
2616	**2782**	**927**	**7882**	**8346**	**2782**	**725**
2916	**3167**	**1056**	**8975**	**9502**	**3167**	**725**
Brine						
1412	**1319**	**440**	**3736**	**3957**	**1319**	**362**
1612	**1420**	**473**	**4023**	**4260**	**1420**	**362**
1912	**1570**	**523**	**4448**	**4710**	**1570**	**362**
1416	**1437**	**479**	**4075**	**4314**	**1437**	**362**
1616	**1600**	**533**	**4535**	**4802**	**1600**	**362**
1916	**1769**	**590**	**5012**	**5307**	**1769**	**362**
2416	**2569**	**856**	**7279**	**7706**	**2569**	**725**
2616	**2837**	**946**	**8037**	**8509**	**2837**	**725**
2916	**3228**	**1076**	**9147**	**9686**	**3228**	**725**
Ammonia						
1412	-	**643**	-	-	**1928**	**362**
1612	-	**692**	-	-	**2076**	**362**
1912	-	**766**	-	-	**2296**	**362**
1416	-	**701**	-	-	**2102**	**362**
1616	-	**780**	-	-	**2340**	**362**
1916	-	**862**	-	-	**2586**	**362**
2416	-	**1252**	-	-	**3755**	**725**
2616	-	**1381**	-	-	**4145**	**725**
2916	-	**1573**	-	-	**4720**	**725**
Non standard static pressure						
On request						
FE connection						
Ref. connection in stainless steel kit with end terminal in Fe						**309**

General description

Specifications	
Series	FK gravity coil
	FK(G) for special solution
Coil material	Cu tubes and Al fins
Fin spacing	7.5 mm
Refrigerant	R404A, or all not corrosive
Options	
Different defrosts	
Plate drip tray	
Superheater section	

Application

The gravity coils are used in cold rooms with temperatures above +2 ºC. If needed, the air coolers can be provided with electric defrost making them suitable for use in temperatures under 0 ºC. Optional plate drip trays with electric defrost are utilized also in lower temperatures. The low air velocity guarantees draft free conditions with minimum weight loss of products. The smallest sizes are applicable in small cold rooms and cold stores, e.g. for greeneries and vegetables. The bigger model can be used for cooling of industrial cold stores.

Capacity

Nominal capacity (R404A): 202-4481W.

Coil

The heat transfer section made of aluminium fins and copper tubes is specially designed for low air velocity. The 1/2” tube diameter enables a small refrigerant filling. Fin spacing is 7.5 mm. The drip tray is made of seawater aluminium (AlMg3). All parts of the unit sustain well corrosion.

Selection & Prices

Complete air cooler selection may be performed with our FincoilSelect Air Software.

AHE Selection
Fincoil Select

Prices

FK/FK(G)	Standard model	Extra price		
	Fin spacing 8 mm	SS	L	SSA
FK(G)-260	**249**	**87**	**110**	**85**
FK(G)-280	**254**	**89**	**110**	**85**
FK(G)-2100	**272**	**99**	**110**	**85**
FK(G)-2120	**319**	**104**	**110**	**85**
FK(G)-460	**225**	**157**	**110**	**85**
FK(G)-480	**278**	**163**	**110**	**85**
FK(G)-4100	**248**	**176**	**110**	**85**
FK(G)-4120	**349**	**189**	**110**	**85**
FK(G)-4160	**461**	**214**	**120**	**85**
FK(G)-4200	**528**	**235**	**130**	**85**
FK(G)-4270	**567**	**279**	**150**	**110**
FK(G)-560	**282**	**149**	**110**	**85**
FK(G)-580	**314**	**154**	**110**	**85**
FK(G)-5100	**337**	**167**	**110**	**85**
FK(G)-5120	**398**	**180**	**110**	**85**
FK(G)-5160	**523**	**202**	**120**	**85**
FK(G)-5200	**601**	**223**	**130**	**85**
FK(G)-5270	**677**	**264**	**150**	**110**
FK(G)-8100	**576**	**157**	**130**	**85**
FK(G)-8120	**615**	**168**	**130**	**85**
FK(G)-8160	**656**	**189**	**150**	**85**
FK(G9-8200	**747**	**208**	**160**	**85**
FK(G)-8240	**894**	**256**	**210**	**95**
FK(G)-8270	**994**	**247**	**210**	**110**
FK(G)-8320	**1171**	**307**	**280**	**110**
FK(G)-8360	**1314**	**309**	**310**	**120**
FK(G)-8400	**1412**	**478**	**330**	**140**

SS = Electric defrost in coil
L =Flat drip tray
SSA = Electric defrost in drip tray

General description

Specifications	
Coil	Steel galvanised (ZT) SS/Aluminium (ZTY) Copper/Aluminium (TR) SS/Aluminium (TRY)
Design	To order
Refrigerant	NH_3, H(C)FC, brine, CO_2
Refrigerant system	DX, pumped, gravity flow
Design options	
Hot gas defrost	Drip tray heating
Electric defrost	Coil heating
Water defrost	Fan ring heating
Defrost dampers	Defrost damper heating
Multiple fin spacing	Hot gas coil in driptray
Drip tray insulation	Epoxy coated casing
Cladding	Sight windows
Casing insulation	Inspection hatches
Dual fan speed	Removable side panels
Special fan motors	Non-return valve

For detailed information see brochure: 62.03 (available at www.helpman.com)

Application
Helpman ZT/ZTY & TR/TRY are wide ranges of special air coolers fully designed to customers specifications. For these air coolers three basic coil designs are available an a great number of accessories and design options. Helpman customised air coolers may be used for both cooling and freezing applications.

Configuration
Helpman customised coolers are available in a large number of different configurations. On the next page the most commonly used industrial air cooler models are listed. Other configurations available on request.

Coil ZT
Coil manufactured from steel fins and tubes ø 22 mm.
Tube pitch 60 x 60 mm square. Coil block galvanised according to NEN-ISO 1461.

Coil ZTY
Coil manufactured from aluminium fins and stainless steel tubes ø 22 mm. Tube pitch 60 x 60 mm square.

Coil TR
Coil manufactured from smooth Cu tubes ø 5/8” and corrugated Alu-fins. Tube pitch 50 x 50 mm square.

Coil TYR
Coil manufactured from smooth stainless steel tubes ø16 mm and corrugated Alu-fins. Tube pitch 50 x 50 mm square.

Casing
Corrosion resistant material, aluminium/sendzimir. Helpman customised coolers can be executed for floor as well as ceiling mounting.

Fan motors
Fans available in a range of different executions and diameters. Specifications on request.

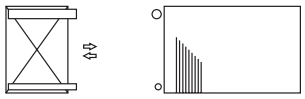
Certification
The Alfa Laval quality system is in accordance with ISO 9001. All products are manufactured according to CE and PED rules.

Selection & RCPL
Air cooler selection and RCPL pricing on request.

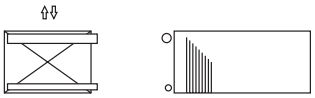
ДЕ 01

Model Configurations

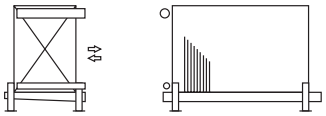
BS1



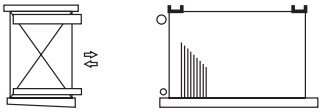
BS2



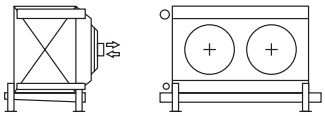
FS1



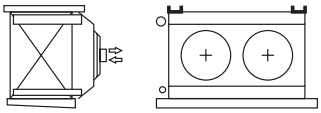
CS1



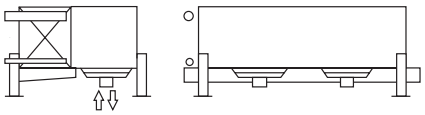
FS2



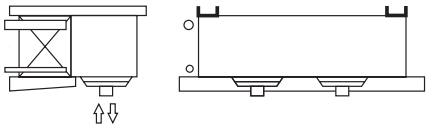
CS2



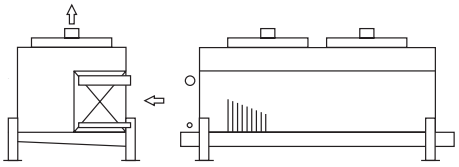
FS3



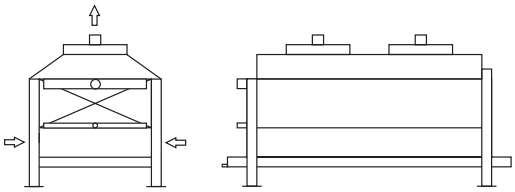
CS3



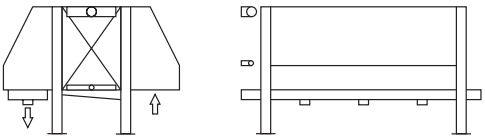
FS4



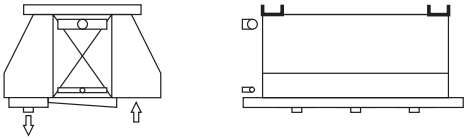
FS5



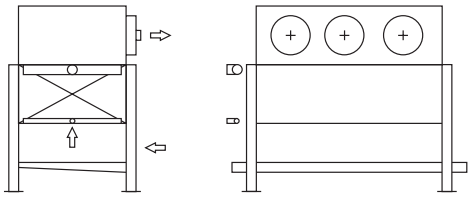
FS6



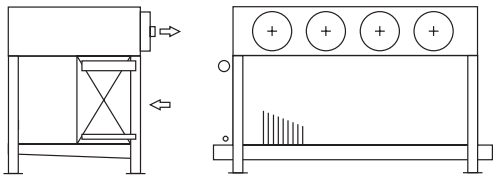
CS6



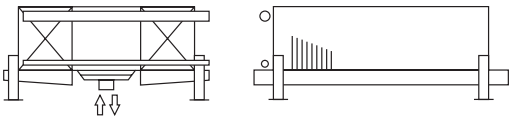
FS7



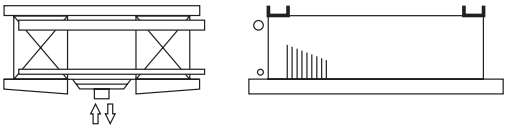
FS8



FD1



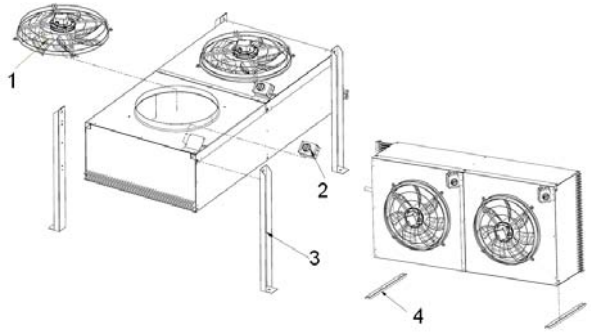
CD1



Spare Parts List

Alfa Laval Air Cooled Condensers
Alfa Laval Spare Parts

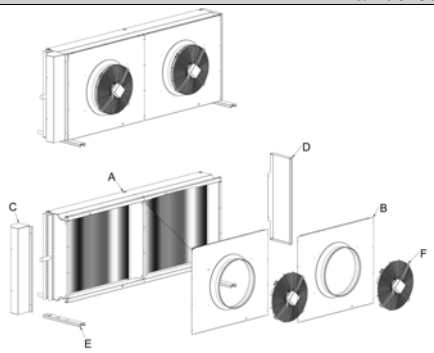
AlfaBlue Junior Condensers — Single fan row



Position	Description
1	Fan motor
2	Local safety switch
3	Feet -Horizontal position
4	Feet-Vertical position

Position	Description	Model			Code	RCPL
		400	500	630		
1	Fan motor	see table (1)				
2	Local safety switch	√			41002653	**173**
2	Local safety switch		√		41002660	**173**
2	Local safety switch			√	41003145	**173**
3	Feet -Horizontal position	√			60611040	**20**
3	Feet -Horizontal position		√		60611233	**20**
3	Feet -Horizontal position			√	60611305	**28**
4	Feet-Vertical position	√			na	**10**
4	Feet-Vertical position		√		60611235	**10**
4	Feet-Vertical position			√	60611304	**26**

AlfaBlue Condensers - Single fan row

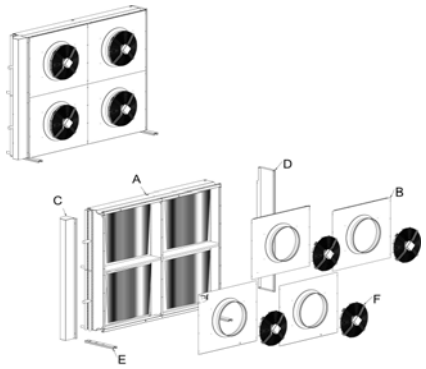


Position	Description
A	Coil
B	Fan cowl
C	Cover plate connection side
D	Cover plate bends side
E	Support leg
F	Fan motor

Position	Description	Model					Code	RCPL
		630	630L	800	910	1000		
B	Fan cowld=630 (module 1090)	√					60605200	**319**
B	Fan cowl d=630 (module 1400)		√				60605201	**338**
B	Fan cowl d=800 (module 1750)			√			60605202	**496**
B	Fan cowl d=910 (module 2100)				√		60605204	**631**
B	Fan cowl d=1000 (module 2100)					√	60605206	**631**
F	Fan motor	see table (1)						
C	Cover plate connection side	√	√				60602040	**190**
C	Cover plate connection side			√	√	√	60602047	**320**
D	Cover plate bends side	√	√				60602043	**157**
D	Cover plate bends side			√	√	√	60602050	**177**
C	Cover plate connection side NH_3 Min. temperature -45°C	√	√				60602054	**286**
C	Cover plate connection side NH_3 Min. temperature -45°C			√	√	√	60602061	**314**
D	Cover plate connection side NH_3 Min. temperature -45°C	√	√				60602057	**268**
D	Cover plate bends side NH_3 Min. temperature -45°C			√	√	√	60602064	**343**
E	Support leg (unit in vertical position)	√	√	√	√	√	60611060	**51**
E	Support leg sx (H = 500 mm)	√	√	√	√	√	60611061	**137**
E	Support leg dx (H = 500 mm)	√	√	√	√	√	60611062	**137**
E	Support leg sx (H=850 mm)	√	√	√	√	√	60611063	**177**
E	Support leg dx (H = 850 mm)	√	√	√	√	√	60611064	**177**
E	Support leg (adjustable)	√	√	√	√	√	60611065	**119**
	Safety switch support 16 Amp & EMC	√	√	√	√	√	60626152	**19**
	Safety switch support (63 Amp)	√	√	√	√	√	60626154	**19**
	Safety switch IP66 16 Amp	√	√	√	√	√	41002653	**64**
	Safety switch IP66 63 Amp	√	√	√	√	√	41002656	**143**
	Safety switch IP66 (16Amp) EMC	√	√	√	√	√	41002657	**128**
	Kit safety switch 16 Amp*	√	√	√	√	√	41002660	**152**
	Kit safety switch 32 Amp*	√	√	√	√	√	41002661	**230**

* switch + support + terminal + contact.

AlfaBlue Condensers - Double fan row

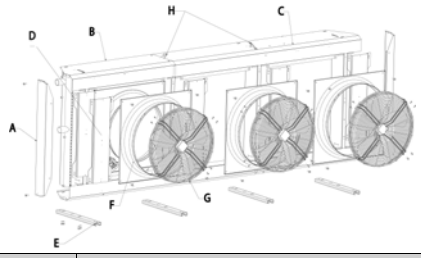


Position	Description
A	Coil
B	Fan cowl
C	Cover plate connection side
D	Cover plate bends side
E	Support leg
F	Fan motor

Position	Description	Model			Code	RCPL
		800	910	1000		
B	Fan cowl d=800	√			60605218	**419**
B	Fan cowl d=910		√		60605220	**534**
B	Fan cowl d=1000			√	60605222	**534**
F	Fan motor	see table (1)				
C	Cover plate connection side	√	√	√	60602075	**257**
D	Cover plate bends side	√	√	√	60602078	**225**
C	Cover plate connection side NH_3	√	√	√	60602089	**685**
D	Cover plate bends side NH_3	√	√	√	60602092	**511**
	Safety switch support 16 Amp & EMC	√	√	√	60626152	**19**
	Safety switch support (63 Amp)	√	√	√	60626154	**19**
	Safety switch IP66 16 Amp	√	√	√	41002653	**64**
	Safety switch IP66 63 Amp	√	√	√	41002656	**143**
	Safety switch IP66 (16Amp) EMC	√	√	√	41002657	**128**
	Kit safety switch 16 Amp*	√	√	√	41002660	**152**
	Kit safety switch 32 Amp*	√	√	√	41002661	**230**

* switch + support + terminal + contact.

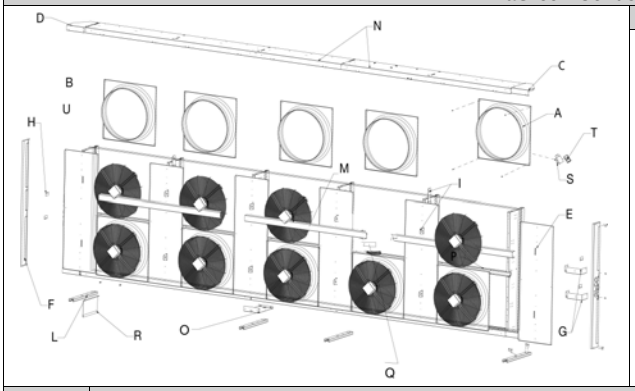
AlfaGreen Condensers —single fan motor



Position	Description
A	Right/Left side panel, for cover connection and bends
B	Modular cover SX
C	Modular cover DX
D	Top modular panel
E	Support for vertical positioning
F	Fan cowl
G	Fan motor

Position	Description	Model			Code number	RCPL
		630	800	910		
A	Right/Left side panel, for cover connection and bends	√			60622005	**56**
A	Right/Left side panel, for cover connection and bends		√	√	60622006	**70**
B	Modular cover SX 2-3 modules	√			60621008	**147**
B	Modular cover SX 2-3 modules		√		60621010	**140**
B	Modular cover SX 2-3 modules			√	60621012	**197**
B	Modular cover SX 4 modules	√			60621015	**337**
B	Modular cover SX 4-5 modules		√		60621017	**366**
B	Modular cover SX 4 modules			√	60621019	**408**
C	Modular cover DX 2 modules	√			60621007	**149**
C	Modular cover DX 2 modules		√		60621009	**143**
C	Modular cover DX 2 modules			√	60621011	**197**
C	Modular cover DX 4-3 modules	√			60621014	**337**
C	Modular cover DX 3-4-5 modules		√		60621016	**366**
C	Modular cover DX 3/4 modules			√	60621018	**379**
D	Top modular panel	√			60623006	**145**
D	Top modular panel		√		60623007	**119**
D	Top modular panel			√	60623008	**158**
E	Support for vertical positioning	√	√	√	60626033	**54**
F	Fan cowl	√			41199093	**202**
F	Fan cowl		√		41199094	**326**
F	Fan cowl			√	41199095	**370**
G	Fan motor	see table (1)				
-	Vibration dampers	√	√	√	60626031	**49**

AlfaGreen Condensers- Double fan motor

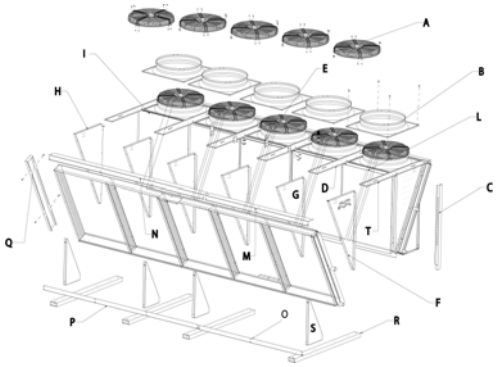


Position	Description
A	Fan cowl
B	Fan motor
C	Cover for panel DX
D	Cover panel for SX
E	Modular panel
F	Mobile bends/manifolds cover
L	Support for vertical positioning
N	Modular cover
Q	Stirrup fixing profile
R	Support of electrical cabinet
S	Safety switch support
T	Safety switch IP66
U	Electrical cabinet

Position	Description	Model			RCPL
		800	910	1000	
A	Fan cowl	41199094			**326**
A	Fan cowl		41199095		**370**
	Fan cowl			41199096	**446**
B	Fan motor		see table (1)		
C	Cover for panel DX	60623009			**66**
C	Cover for panel DX		60623011	60623011	**125**
D	Cover panel for SX	60623010			**59**
D	Cover panel for SX		60623012	60623012	**116**
E	Modular panel	60623055			**238**
E	Modular panel		60623056	60623056	**328**
F	Mobile bends/manifolds cover	60622002	60622002	60622002	**90**
L	Support for vertical positioning	60626033	60626033	60626033	**54**
N	Lifting eye bolts for length = 2/5 modules	60621003			**421**
N	Lifting eye bolts for length =2/4/5 modules		60621005	60621005	**651**
N	Lifting eye bolts for length =3/5/6 modules	60621004			**822**
N	Lifting eye bolts for length =5/6 modules		60621006	60621006	**915**
R	Support of electrical cabinet 500 x 700 mm	60626007	60626007	60626007	**73**
R	Support of electrical cabinet 500 x 500 mm	60626008	60626008	60626008	**103**
S	Safety switch support 16 Amp & EMC	60626152	60626152	60626152	**19**
T	Safety switch IP66 16 Amp	41002653	41002653	41002653	**64**
T	Safety switch IP66 63 Amp	41002656	41002656	41002656	**143**
	Safety switch IP66 (16Amp) EMC	41002657	41002657	41002657	**128**
	Kit safety switch 16 Amp*	41002660	41002660	41002660	**152**
	Kit safety switch 32 Amp*	41002661	41002661	41002661	**230**
U	Electrical cabinet		On request		
	Terminal box 4 motors	41002131	41002131	41002131	**216**
	Terminal box 5 motors	41002137	41002137	41002137	**285**
	Terminal box 7 motors	41002115	41002115	41002115	**309**
	Terminal box IP56 115C	41002112	41002112	41002112	**285**

* switch + support + terminal + contact.

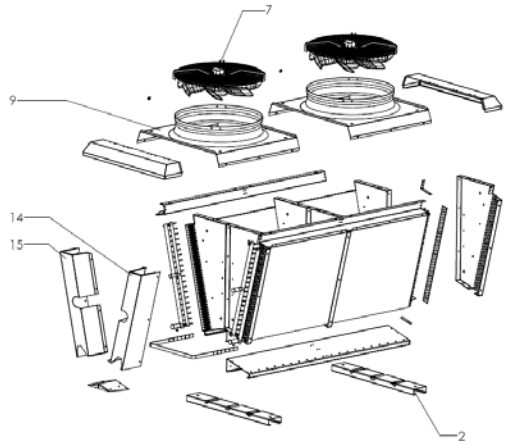
Alfa-V Condensers – Double fan row



Position	Description
A	Fan motor
B	Fan cowl
C	Wiring raceway
G	Intermediate panel
M	Cover profile 2 modules
N	Cover profile 3 modules
O	L fixing profile 2 modules
P	L fixing profile 3 modules
Q	Bend cover
R	Support feet
S	Coil support feet
T	Manifolds/bends modular panel

Position	Description	Code number	RCPL
A	Axial fan	see table (1)	
B	Fan cowl 800 mm Ø	41199094	**326**
B	Fan cowl 910 mm Ø	41199095	**370**
B	Fan cowl 1000 mm Ø	41199096	**446**
M	Cover profile	60623018	**126**
N	Cover profile	60623019	**222**
O	L fixing profile short	60625022	**124**
P	L fixing profile long	60625023	**196**
Q	Bend cover	60623033	**84**
R	Support feet	60626016	**264**
S	Coil support feet	60626017	**121**

Alfa-V Condensers — Single fan row



Position	Description
2	Mounting feet
7	Fan motor
9	Fan cowl
10	Bend cover Top Side—Top Side
15	Bend cover —Left
14	Bend cover —Right

Position	Description	Code number	RCPL
7	Fan motor	see table (1)	
9	Fan cowl 800 mm Ø	9460000388	**296**
9	Fan cowl 910 mm Ø	9460000431	**311**
10	Bend cover —Top Side	9460000918	**204**
15	Bend cover —Left	9460000930	**173**
14	Bend cover —Right	9460000931	**179**

Fan motors (1)					
Diameter Ømm	Model	Description	Specifications	Code number	RCPL
400	Alfablue Junior	460/3/60Hz (S)	Connection "D"	41101223	**472**
	Alfablue Junior	460/3/60Hz (L)	Connection "Y"	41101223	**472**
	Alfablue Junior; AlfaGreen	230/1/50-60Hz (S)		41101290	**317**
	Alfablue Junior; AlfaGreen	230/1/50Hz (L)		41101396	**279**
	Alfablue Junior	230/1/60Hz (L)		41101348	**315**
	Alfablue Junior; AlfaGreen	400/3/50-60Hz (S)	Connection "D"	41101152	**273**
	Alfablue Junior; AlfaGreen	400/3/50-60Hz (L)	Connection "Y"	41101152	**273**
500	Alfablue Junior	400-460/3/60Hz (S)		41101371	**367**
	Alfablue Junior	380-460/3/50-60Hz	EC motor (always specify type unit programming required)	41101398	**1441**
	Alfablue Junior; AlfaGreen	400/3/50Hz (S)		41101363	**491**
	Alfablue Junior; AlfaGreen	400-460/3/50-60Hz (L)		41101364	**491**
	Alfablue Junior; AlfaGreen	400-460/3/50-60Hz (Q)		41101365	**491**
	Alfablue Junior; AlfaGreen	230/1/50-60Hz (S)		41101366	**491**
	Alfablue Junior; AlfaGreen	230/1/50-60Hz (L)		41101367	**491**
	Alfablue Junior; AlfaGreen	230/1/50-60Hz (Q)		41101368	**491**
	AlfaGreen	230/1/50 Hz (S)		41101165	**241**
	AlfaGreen	230/1/50 Hz (L)		41101213	**248**
	AlfaGreen	230/1/50 Hz (S)		41101221	**399**
	AlfaGreen	230/1/50 Hz (L)		41101239	**395**
	AlfaGreen	230/1/50 Hz (Q)		41101240	**395**
	AlfaGreen	400/3/50 Hz (S)		41101220	**404**
	AlfaGreen	400/3/50 Hz (L)		41101237	**404**
	AlfaGreen	400/3/50 Hz (Q)		41101238	**399**
630	Alfablue	230-400/3/50Hz (S)		41101122	**794**
	Alfablue	260-460/3/60Hz (S)		41101128	**984**
	Alfablue	400-460/3/60Hz (S)		41101163	**1001**
	Alfablue	400-460/3/60Hz (L)		41101263	**515**
	Alfablue	400-460/3/60Hz (Q)		41101264	**514**
	Alfablue	400-460/3/60Hz (R)		41101265	**514**
	Alfablue	380-460/3/50-60Hz (S)	EC motor (always specify type unit programming required)	41103030	**2097**
	Alfablue	380-460/3/50-60Hz (L,Q,R)	EC motor (always specify type unit programming required)	41101336	**1880**
	Alfablue	230/1/60Hz (L)		41101266	**961**
	Alfablue Junior	400/3/50Hz (S)		41101400	**590**
	Alfablue Junior	400-460/3/50-60Hz (L)		41101401	**399**
	Alfablue Junior	400/3/50Hz (Q)		41101402	**399**
	Alfablue Junior	400-460/3/50-60Hz (R)		41101403	**399**
	Alfablue Junior	230/1/50Hz (L)		41101404	**399**
	Alfablue Junior	230/1/50-60Hz (Q)		41101405	**399**
	Alfablue Junior	230/1/50Hz (R)		41101406	**399**
	Alfablue; AlfaGreen	230/1/50Hz (L)		41101301	**537**
	Alfablue; AlfaGreen	230/1/50-60Hz (Q)		41101303	**487**
	Alfablue; AlfaGreen	400/3/50Hz (S)		41101218	**895**
	Alfablue; AlfaGreen	400/3/50Hz (L)		41101300	**509**
	Alfablue; AlfaGreen	400/3/50Hz (Q)		41101302	**483**
	Alfablue; AlfaGreen	400/3/50Hz (R)		41101305	**459**
800	Alfablue;AlfaV	230/3/50Hz (S)	Owlet fan motor	41103058	**936**
	Alfablue;AlfaV	400/3/50Hz (S)	Owlet fan motor	41103043	**879**
	Alfablue;AlfaV	400-460/3/50-60Hz (L)	Owlet fan motor	41103045	**900**
	Alfablue;AlfaV	400/3/50Hz (Q)	Owlet fan motor	41103046	**877**
	Alfablue;AlfaV	400/3/50Hz (R)	Owlet fan motor	41103047	**930**
	Alfablue;AlfaV	400-460/3/60Hz (S)	Owlet fan motor	41103044	**922**
	Alfablue;AlfaV	400-460/3/60Hz (Q)	Owlet fan motor	41103048	**922**
	Alfablue;AlfaV	380-460/3/50-60Hz (S)	EC motor (always specify type unit programming required)	41103032	**2098**
	Alfablue;AlfaV	380-460/3/50-60Hz (L,R,Q)	EC motor (always specify type unit programming required)	41101324	**2265**
	Alfablue;AlfaV	230-400/3/50Hz (S)		41101064	**919**
	Alfablue;AlfaV	230-400/3/50Hz (L)		41101150	**936**
	Alfablue;AlfaV	230-260-400-460/3/60Hz (S)		41101079	**1605**
	Alfablue;AlfaV	230-260-400-460/3/60Hz (L)		41101150	**936**
	Alfablue;AlfaV	400-460/3/60Hz (S)		41101200	**1379**
	Alfablue;AlfaV	400-460/3/60Hz (L)		41101323	**933**
	Alfablue;AlfaV	380-460/3/50-60Hz (S,L,Q,R)	EC motor (always specify type unit programming required)	41101335	**2152**
	Alfablue;AlfaV;AlfaGreen	400/3/50Hz (S)		41101148	**997**
	Alfablue;AlfaV;AlfaGreen	400/3/50Hz (L)		41101147	**1018**
	Alfablue;AlfaV;AlfaGreen	400/3/50-60Hz (Q)		41101149	**993**
	Alfablue;AlfaV;AlfaGreen	400/3/50Hz (R)		41101306	**1054**

Fan motors (1)					
Diameter Ømm	Model	Description	Specifications	Code number	RCPL
910	Alfablue Reverse	400/3/50Hz (T)		41101376	**1464**
	Alfablue Reverse	400/3/50Hz (S)		41101377	**955**
	Alfablue Reverse	400/3/50Hz (L)		41101378	**955**
	Alfablue Reverse	400/3/50Hz (Q)		41101379	**946**
	Alfablue Reverse	400-460/3/60Hz (T)		41101380	**1464**
	Alfablue Reverse	400-460/3/60Hz (S)		41101381	**1035**
	Alfablue Reverse	400-460/3/60Hz (L)		41101382	**1035**
	Alfablue Reverse	400-460/3/60Hz (Q)		41101379	**946**
	Alfablue;AlfaV	230-400/3/50Hz (S)		41101313	**993**
	Alfablue;AlfaV	230-400/3/50-60Hz (L)		41101359	**1058**
	Alfablue;AlfaV	400-460/3/60Hz (T)		41101299	**1426**
	Alfablue;AlfaV	400-460/3/60Hz (S)		41101270	**1211**
	Alfablue;AlfaV	400-460/3/60Hz (L)		41101268	**1289**
	Alfablue;AlfaV	400-460/3/60Hz (Q)		41101269	**1184**
	Alfablue;AlfaV	380-460/3/50-60Hz (T)	EC motor (always specify type unit programming required)	41103049	**2461**
	Alfablue;AlfaV	380-460/3/50-60Hz (S)	EC motor (always specify type unit programming required)	41103031	**2190**
	Alfablue;AlfaV	380-460/3/50-60Hz (L,Q,R)	EC motor (always specify type unit programming required)	41101334	**2010**
	Alfablue;AlfaV;AlfaGreen	400/3/50-60Hz (T)		41101311	**1501**
	Alfablue;AlfaV;AlfaGreen	400/3/50Hz (S)		41101307	**1024**
	Alfablue;AlfaV;AlfaGreen	400/3/50Hz (L)		41101308	**992**
	Alfablue;AlfaV;AlfaGreen	400/3/50Hz (Q)		41101309	**998**
	Alfablue;AlfaV;AlfaGreen	400/3/50-60Hz (R)		41101310	**1020**
1000	Alfablue;AlfaV	230/3/50-60Hz (Q)		41103033	**1218**
	Alfablue;AlfaV	230/3/50-60Hz (R)		41103054	**1242**
	Alfablue;AlfaV	380-460/3/50-60Hz (L,Q,R)	EC motor (always specify type unit programming required)	41101337	**2299**
	Alfablue;AlfaV	400/3/50Hz (L)		41101281	**2053**
	Alfablue;AlfaV;AlfaGreen	400/3/50-60Hz (Q)		41101271	**1196**
	Alfablue;AlfaV;AlfaGreen	400/3/50-60Hz (R)		41101272	**1216**

Centrifugal fans				
Description		Model	Code	RCPL
El. fan motor (400/3Ph/50 Hz)	4 P	CRC 17 - 23	41100061	**218**
El. fan motor (400/3Ph/50 Hz)	4 P	CRC 31	41100063	**267**
El. fan motor (400/3Ph/50 Hz)	4 P	CRC 41	41100064	**325**
El. fan motor (400/3Ph/50 Hz)	4 P	CRC 58	41100065	**407**
El. fan motor (400/3Ph/50 Hz)	4 P	CRC 73	41100066	**487**
El. fan motor (400/3Ph/50 Hz)	4 P	CRC 92	41100067	**600**
El. fan motor (400/3Ph/50 Hz)	5 P	CRI 2115 - 4290	41100066	**487**
Fan: Belt driven - double inlet	12/12	CRC 17 - 23	41103001	**456**
Fan: Belt driven - double inlet	15/15	CRC 31	41103002	**545**
Fan: Belt driven - double inlet	15/15	CRC 41	41103002	**545**
Fan: Belt driven - double inlet	18/18	CRC 58	41103003	**699**
Fan: Belt driven - double inlet	18/18	CRC 73	41103003	**699**
Fan: Belt driven - double inlet	15/15	CRC 92	41103005	**1427**
Fan: Belt driven - double inlet	18/18	CRI 2115 - 4290	41103000	**866**

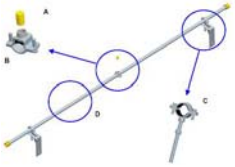
Axial Condensers and Dry coolers (out of production since 2002)				
Including electrical motor + fan blades + fan guard				
Description	Model		Code number	RCPL
Axial fan motor (400/3Ph/50 Hz)	ACCS 15 - 70	LCS 10 - 50	41101083	**430**
Axial fan motor (400/3Ph/50 Hz)	ACCS 79 - 174	LCS 56 - 129	41101003	**477**
Axial fan motor (400/3Ph/50 Hz)	ACCS 151 - 433	LCS 108 - 322	41101148	**997**
Axial fan motor (400/3Ph/50 Hz)	ACCL 11 - 49	LCL 8 - 38	41101084	**422**
Axial fan motor (400/3Ph/50 Hz)	ACCL 57 - 121	LCL 42 - 97	41101042	**490**
Axial fan motor (400/3Ph/50 Hz)	ACCL 126 - 334	LCL 88 - 252	41101147	**1019**
Axial fan motor (400/3Ph/50 Hz)	ACCQ 9 - 39	LCQ 7 - 28	41101085	**441**
Axial fan motor (400/3Ph/50 Hz)	ACCQ 40 - 82	LCQ 30 - 65	41101069	**514**
Axial fan motor (460/3Ph/50 Hz)	ACCQ 77 - 216	LCQ 59 - 165	41101149	**993**
Axial fan motor (400/3Ph/50 Hz)	AL - AC 6 Poles	AL - LC 6 Poles	41101148	**997**
Axial fan motor (400/3Ph/50 Hz)	AL - AC 8 Poles	AL - LC 8 Poles	41101147	**1019**
Axial fan motor (400/3Ph/50 Hz)	AL - AC 12 Poles	AL - LC 12 Poles	41101149	**993**
Axial fan motor (230/1Ph/50 Hz)	ACCS 15 - 70	LCS 10 - 50	41101102	**431**
Axial fan motor (230/1Ph/50 Hz)	ACCS 79 - 174	LCS 56 - 129	41101005	**465**
Axial fan motor (230/1Ph/50 Hz)	ACCL 11 - 49	LCL 8 - 38	41101103	**424**
Axial fan motor (230/1Ph/50 Hz)	ACCL 57 - 121	LCL 42 - 97	41101052	**455**
Axial fan motor (230/1Ph/50 Hz)	ACCQ 9 - 39	LCQ 7 - 28	41101104	**441**

Fan speed controller													
Model		1PH			3 PH								
		S	L	Q	S		L		Q		R		
		4 M	6 M	8M	D	Y	D	Y	D	Y	D	Y	
AC 400	1x400	o	o	o									
	2x400	o	o	o									
	3x400	o	o	o									
AC 500	1x500	e	e	e	a	a	a	a	a	a			
	2x500	e	e	e	a	a	a	a	a	a			
	3x500	e	e	e	a	a	a	a	a	a			
	4x500	e	e	e	a	a	a	a	a	a			
AC 630	2X630		e	e	a	a	a	a	a	a	a	a	
	3X630		e	e	a	a	a	a	a	a	a	a	
	4X630		e	e	b	a	a	a	a	a	a	a	
AC 800	2x800				a	a	a	a	a	a	a	a	
	3x800				b	a	a	a	a	a	a	a	
	4x800				b	a	a	a	a	a	a	a	
	5x800				c	b	b	a	a	a	a	a	
ACD 800	4x800				b	a	a	a	a	a	a	a	
	6x800				c	b	b	a	a	a	a	a	
	8x800				c	b	c	b	a	a	a	a	
	10x800				d	b	b	c	c	a	a	a	
	12x800				d	b	b	c	c	a	a	a	
AC 910	2X910				a	a	a	a	a	a	a	a	
	3X910				a	a	a	a	a	a	a	a	
	4X910				b	a	a	a	a	a	a	a	
	5X910												
ACD/ ACV 910	4x910				b	a	a	a	a	a	a	a	
	6x910				c	a	b	a	a	a	a	a	
	8x910				c	b	b	a	a	a	a	a	
	10x910				d	b	c	a	a	a	a	a	
	12x910				d	c	c	b	b	a	a	a	
	14x910				d	c	c	b	b	a	a	a	
	16x910				d	c	d	b	b	a	a	a	

Index	Description	Code	RCPL
	Fan speed controller		
a	FSC 12 PR	41099961	**1295**
b	FSC 20 PR	41099962	**1443**
c	FSC 40 PR	41099963	**2326**
e	FSC 20 PR	41099972	**1032**
d	FSC 50 PR	41099968	**3653**
o	FSC 12 50/60 Hz 1000W	41099936	**216**
	Fan speed controller		
a	FSC 12 NTC	41099964	**1295**
b	FSC 20 NTC	41099965	**1551**
c	FSC 40 NTC	41099966	**2499**
e	FSC 20 NTC	41099967	**1032**
d	FSC 50 NTC	41099969	**3320**

Fan step controller		
Description	Code	RCPL
Fan step controller press.	41002214	**361**

Sensors/Probes		
Description	Code	RCPL
Temperature sensor for EC motors & inverters	41099988	**82**
Socket for temp. sensor for ECs & inverters	41002834	**41**
Temperature sensor for FSC and fan step controller (NTC probe and probe trap.)	41099929	**79**
Pressure transducer	41099923	**260**

Spray water					
			Code	RCPL	
	A nozzle				
	Type I		41002561	**23**	
	Type II		41002560	**20**	
	Type III		41002559	**20**	
	B Split eyeless connectors		41002558	**42**	
	C Pipe supporting stirrup		43007520	**2**	
	D Pipeline		**Composed by**	**Code**	**Length**	**RCPL**
	ACD_802	DCD_802	V9999897	V9999877	mm	n.a.
	ACD_803	DCD_803	V9999896	V9999878	mm	**271**
	ACD_804	DCD_804	V9999897+V9999895	V9999879	2585mm	**158**
	ACD_805	DCD_805	V9999896+V9999895	V9999880	1275mm	n.a.
	ACD_806	DCD_806	V9999896+V9999894	V9999881	5390mm	n.a.
	ACD_902_1002	DCD_902_1002	V9999893	V9999882	4080mm	**308**
	ACD_903_1003	DCD_903_1003	V9999893+V9999892	V9999883	2770mm	**156**
	ACD_904_1004	DCD_904_1004	V9999893+V9999891	V9999884	4165mm	**278**
	ACD_905_1005	DCD_905_1005	V9999893+V9999891+V9999892	V9999885	2065mm	**159**
	ACV_802_902_1002	DCV_802_902_1002	V9999883	V9999886	4450mm	**278**
	ACV_803_903_1003	DCV_803_903_1003	V9999882	V9999887	5215mm	**285**
	ACV_804_904_1004	DCV_804_904_1004	V9999881	V9999888	3465mm	**343**
	ACV_805_905_1005	DCV_805_905_1005	V9999881+V9999880	V9999889	5500mm	**285**
	ACV_806_906_1006	DCV_806_906_1006	V9999881+V9999879	V9999890	3750mm	**339**
	ACV_807_907_1007	DCV_807_907_1007	V9999881+V9999878	V9999891	4165mm	**353**
	ACV_808_908_1008	DCV_808_908_1008	V9999881+V9999877	V9999892	2065mm	**184**
				V9999893	4450mm	**353**
				V9999894	5215mm	**302**
				V9999895	3465mm	**322**
				V9999896	5500mm	**298**
				V9999897	3750mm	**322**

Others			
Image	**Description**	**Code**	**RCPL**
	Coil comb	n.a.	**51**
	Alpacon degreaser 25 liter	n.a.	**157**

Alfa Laval Helpman Spare Parts

Fan motors - Alfa Laval Helpman Condensers				
Power (W)	**Specifications**		**Article nr.**	**RCPL**
HTC / HTCN-050				
370	n = 1420	230/400/50/3	30.08.73	**445**
180	n = 910	230/400/50/3	30.08.72	**505**
120	n = 690	230/400/50/3	30.08.74	**486**
35	n = 470	230/400/50/3	30.04.16	**601**
370	n = 1350	230/50/1	30.08.23	**580**
35	n = 470	230/50/1	30.04.10	**592**
180	n = variable	230/50/1	30.10.11	**601**
250	n = 1200	230/400/60/3	30.08.84	**636**
HTC / HTCN-076				
750	n = 930	230/400/50/3	30.07.18	**716**
370	n = 690	230/400/50/3	30.09.28	**769**
120	n = 325	230/400/50/3	30.09.27	**1179**
750/150	n = 935/425	400/50/3	30.09.05	**1046**
750	n = variable	230/50/1	30.04.55	**1563**
750	n = 930	230/50/1	30.09.26	**848**
660	n = 840	230/400/60/3	30.07.07	**1017**
Fan unit complete HTC / HTCN				
HT* 090 / 091	n = 850 / 610	400/50/3	29.14.58	**2008**
	n = 680 / 520	400/50/3	29.14.62	**1924**
	n = 860 / 660	400/50/3	29.14.60	**1636**
HT* 100	n = 670 / 520	400/50/3	29.14.54	**2104**
	n = 420 / 310	400/50/3	29.14.67	**1733**
	n = 380 / 250	400/50/3	29.14.66	**1733**
Fan unit complete ODIN-C / ODIN-CY				
630/470	n = 1500 / 1200	400/50/3	29.14.24	**807**
640	n = 1500 VAR	230/50/1	29.14.25	**807**
340	n = 1000	230/400/50/3	29.14.26	**807**
340	n = 1000 VAR	230/50/1	29.14.22	**807**
180/88	n = 750 / 650	400/50/3	29.14.21	**851**
217	n = 450	230/400/50/3	29.14.27	**881**

Fan blades						
Type	**Motor W**	**Fan blade specs.**			**Article nr.**	**RCPL**
		Diameter mm	**Angle**	**Ø Axle mm**		
HTC / HTCN 050						
n= 910	180	508	32°	14	29.04.20	**99**
n= 1420	370	508	26°	14	29.04.15	**99**
HTC / HTCN / HTD 076		762	27°	24	29.04.26	**406**

Fan guards					
Type	**Ø Fan blade mm**	**Ø Motor flange mm**	**Bolt**	**Article nr.**	**RCPL**
Fan guards	254	85	M6	29.15.01	**53**
Fan guards	305	85	M6	29.15.02	**64**
Fan guards	356	85	M6	29.15.07	**87**
Fan guards	406	85	M6	29.15.03	**104**
Fan guards	406	115	M8	29.15.04	**104**
Fan guards	457	115	M8	29.15.15	**129**
Fan guards	508	115	M8	29.15.05	**149**
Wide spaced	508	115	M8	29.15.06	**129**
HTC / HTCN 050	508	115	M8	29.15.18	**159**

Copper		
Type	**Article nr.**	**RCPL**
Copper bends		
1/2" x 38 mm c.t.c. (TZ-TX)	42.03.05	**2**
1/2" x 76 mm c.t.c. (TX spec)	42.03.11	**5**
5/8" x 38 mm c.t.c. (Z)	42.03.01	**3**
5/8" x 50 mm c.t.c. (R)	42.03.03	**4**
Copper bottom		
22 mm	12.02.52	**2**
28 mm	12.02.53	**3**
35 mm	12.02.54	**3**
42 mm	12.02.55	**4**
54 mm	12.02.56	**5**
67 mm	12.02.57	**6**
80 mm	12.02.58	**12**

Alfa Laval Fincoil Spare Parts
Fans (fan blades and motors)

Product	pcs	3/400V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL	1/230V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL
Type		Fan		€			€	Fan		€			€
FLC(G)-1-6...3-10-M		0,5 kW, 450 rpm	22,301	**613**	911-4-30°-28	222,096	**381**						
FLC(G)-1-6...3-10-N		1,8 kW, 750 rpm	108,902	**810**	911-4-30°-28	222,096	**381**						
FLC(G)-1-6...3-10-K		2,5 kW, 1000 rpm	222,206	**698**	911-4-30°-28	222,096	**381**						
FLC(G)-1-2...3-3-K		5,5 kW, 750 rpm	E27489/220 658	**2731**	1236-6-38-42	222,175	**1282**						

Product	pcs	3/400V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL	1/230V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL
Type		Fan		€			€	Fan		€			€
SX(G)..914-350		0,14 kW, 375 rpm	222 210/222 117	**733**	911-4-28°-24	222,093	**345**						
SX(G)..914-470		0,37 kW, 500 rpm	222 209/222 139	**647**	911-4-27.5°-28	222,092	**390**						
SX(G)..914-560		0,55 kW, 600 rpm	222 208/222 138	**595**	911-4-27.5°-28	222,092	**390**						
SX(G)..914-720		1,2 kW, 750 rpm	222 207/222 137	**663**	911-4-27.5°-28	222,092	**390**						
SX(G)..914-950		2,5 kW, 1000 rpm	222,206	**698**	911-4-27.5°-28	222,092	**390**						
SX(G)..1240-350		0,75 kW, 375 rpm	184,598	**1223**	1236-6-45°-38	222,095	**765**						
SX(G)..1240-470		1,5 kW, 500 rpm	192,872	**1446**	1236-6-45°-38	222,095	**765**						
SX(G)..1240-560		3,0 kW, 600 rpm	192,807	**1674**	1236-6-45°-42	222,094	**765**						
SX(G)..1240-720		5,5 kW, 750 rpm	E27489/220 658	**2732**	1236-6-45°-42	222,094	**765**						
SX(G)..1240-950		11 kW, 1000 rpm	222,097	**2039**	1236-6-45°-42	222,094	**765**						

Product	pcs	3/400V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL	1/230V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL
Type		Fan		€			€	Fan		€			€
FBX(G)…-M1		0,14 kW, 375 rpm	222 210/222 117	**733**	762-4-26°-24	222,201	**350**						
FBX(G)…-M2		0,25 kW, 500 rpm	36,640	**689**	762-4-26°-24	222,201	**350**						
FBX(G)…-M3		0,55 kW, 600 rpm	222 208/222 138	**595**	762-4-26°-28	222,202	**350**						
FBX(G)…-N1		0,55 kW, 750 rpm	180,075	**359**	762-4-26°-24	222,201	**350**						
FBX(G)…-N2		1,2 kW, 1000 rpm	E28224	**491**	762-4-26°-24	222,201	**350**						
FBY(G)…-M2		0,14 kW, 375 rpm	222 210/222 117	**733**	911-4-28°-24	222,093	**345**						
FBY(G)…-M3		0,37 kW, 500 rpm	222 209/222 139	**647**	911-4-30°-28	222,096	**381**						
FBY(G)…-M4		0,55 kW, 600 rpm	222 208/222 138	**595**	911-4-30°-28	222,096	**381**						
FBY(G)…-N1		1,2 kW, 750 rpm	222 207/222 137	**663**	911-4-30°-28	222,096	**381**						
FBY(G)…-K		2,5 kW, 1000 rpm	222,206	**698**	911-4-27.5°-28	222,092	**390**						
FB(G)...-M2		0,14 kW, 375 rpm	222 210/222 117	**733**	911-4-28°-24	222,093	**345**						
FB(G)...-M3		0,37 kW, 500 rpm	222 209/222 139	**647**	911-4-30°-28	222,096	**381**						
FB(G)…-M4		0,55 kW, 600 rpm	222 208/222 138	**595**	911-4-30°-28	222,096	**381**						
FB(G)…-N1		1,2 kW, 750 rpm	222 207/222 137	**663**	911-4-30°-28	222,096	**381**						
FB(G)…-K		2,5 kW, 1000 rpm	222,206	**698**	911-4-27.5°-28	222,092	**390**						
FC(G)…-M2		0,14 kW, 375 rpm	222 210/222 117	**733**	911-4-28°-24	222093	**345**						
FC(G)…-M3		0,37 kW, 500 rpm	222 209/222 139	**647**	911-4-27.5°-28	222,092	**390**						
FC(G)…-M4		0,55 kW, 600 rpm	222 208/222 138	**595**	911-4-27.5°-28	222,092	**390**						
FC(G)…-N1		1,2 kW, 750 rpm	222 207/222 137	**663**	911-4-27.5°-28	222,092	**390**						
FC(G)…-N2		1,8 kW, 750 rpm	108,902	**810**	911-4-27.5°-28	222,092	**390**						
FC(G)…-K		2,5 kW, 1000 rpm	222,206	**698**	911-4-27.5°-28	222,092	**390**						

Product	pcs	3/400V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL	1/230V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL
Type		Fan		€			€	Fan		€			€
FLB(G)-1…8M		0,5 kW, 450 rpm	22,301	**613**	911-4-30°-28	222,096	**381**						
FLB(G)-1N		1,2 kW, 750 rpm	222 207/222 137	**663**	911-4-30°-28	222,096	**381**						
FLB(G)-2…8N		1,8 kW, 750 rpm	108,902	**810**	911-4-30°-28	222,096	**381**						
FLB(G)-1…8K		2,5 kW, 1000 rpm	222,206	**698**	911-4-30°-28	222,096	**381**						
FL(G)-1	2	0,25 kW, 1500 rpm	108,860	**302**	510-4-35°-14	222,112	**184**						
FL(G)-2	2	0,25 kW, 1000 rpm	111,757	**364**	610-5-30°-14	222,191	**302**						
FL(G)-3	2	0,55 kW, 1000 rpm	109,058	**377**	610-8-45°-19	222,110	**229**						
FL(G)-4	3	0,55 kW, 1000 rpm	109,058	**377**	610-8-45°-19	222,110	**229**						
FL(G)-5	2	1,2 kW, 750 rpm	222 207/222 137	**663**	911-4-30°-28	222,096	**381**						
FL(G)-6	2	1,8 kW, 750 rpm	108,902	**810**	911-4-30°-28	222,096	**381**						
FL(G)-7	3	1,2 kW, 750 rpm	222 207/222 137	**663**	911-4-30°-28	222,096	**381**						
FL(G)-8	4	1,8 kW, 750 rpm	108,902	**810**	911-4-30°-28	222,096	**381**						
FL(G)-9	4	1,8 kW, 750 rpm	108,902	**810**	911-4-30°-28	222,096	**381**						

Product	pcs	3/400V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL	1/230V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL
Type		Fan		€			€	Fan		€			€
FLM(G)-1	2	0,09 kW, 1000 rpm	217,174	**316**	510-4-35°-14	222,112	**184**						
FLM(G)-2	2	0,25 kW, 750 rpm	111,765	**353**	610-8-45°-19	222,110	**229**						
FLM(G)-3	2	0,25 kW, 750 rpm	111,765	**353**	610-8-45°-19	222,110	**229**						
FLM(G)-4	3	0,25 kW, 750 rpm	111,765	**353**	610-8-45°-19	222,110	**229**						
FLM(G)-5	2	0,5 kW, 450 rpm	22,301	**613**	911-4-30°-28	222,096	**381**						
FLM(G)-6	2	0,5 kW, 450 rpm	22,301	**613**	911-4-30°-28	222,096	**381**						
FLM(G)-7	3	0,5 kW, 450 rpm	22,301	**613**	911-4-30°-28	222,096	**381**						
FLM(G)-8	4	0,5 kW, 450 rpm	22,301	**613**	911-4-30°-28	222,096	**381**						
FLM(G)-9	4	0,5 kW, 450 rpm	22,301	**613**	911-4-30°-28	222,096	**381**						

Product	pcs	3/400V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL	1/230V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL
Type		Fan		€			€	Fan		€			€
FLA(G)-1N	1	0,25 kW, 1500 rpm	108,860	**302**	406-4-22°-14	77,206	**107**	0,12 kW, 1500 rpm	106,120	**476**	406-4-22°-14	77,206	**107**
FLA(G)-2N	1	0,25 kW, 1500 rpm	108,860	**302**	406-4-22°-14	77,206	**107**	0,12 kW, 1500 rpm	106,120	**476**	406-4-22°-14	77,206	**107**
FLA(G)-3N	1	0,25 kW, 1500 rpm	108,860	**302**	510-4-35°-14	222,112	**184**	0,25 kW, 1500 rpm	22,319	**371**	510-4-35°-14	222,112	**184**
FLA(G)-4N	1	0,25 kW, 1500 rpm	108,860	**302**	510-4-35°-14	222,112	**184**	0,25 kW, 1500 rpm	22,319	**371**	510-4-35°-14	222,112	**184**
FLA(G)-5N	2	0,25 kW, 1500 rpm	108,860	**302**	406-4-22°-14	77,206	**107**	0,12 kW, 1500 rpm	106,120	**476**	406-4-22°-14	77,206	**107**
FLA(G)-6N	2	0,25 kW, 1500 rpm	108,860	**302**	510-4-35°-14	222,112	**184**	0,25 kW, 1500 rpm	22,319	**371**	510-4-35°-14	222,112	**184**
FLA(G)-7N	2	0,25 kW, 1500 rpm	108,860	**302**	510-4-35°-14	222,112	**184**	0,25 kW, 1500 rpm	22,319	**371**	510-4-35°-14	222,112	**184**
FLA(G)-8N	3	0,25 kW, 1500 rpm	108,860	**302**	510-4-35°-14	222,112	**184**	0,25 kW, 1500 rpm	22,319	**371**	510-4-35°-14	222,112	**184**
FLA(G)-9N	2	0,55 kW, 1000 rpm	109,058	**377**	610-8-45°-19	222,110	**229**						
FLA(G)-10N	3	0,55 kW, 1000 rpm	109,058	**377**	610-8-45°-19	222,110	**229**						
FLA(G)-1M	1	0,09 kW, 1000 rpm	217,174	**316**	406-4-22°-14	77,206	**107**	0,09 kW, 1000 rpm	33,316	**466**	406-4-22°-14	77,206	**107**
FLA(G)-2M	1	0,09 kW, 1000 rpm	217,174	**316**	406-4-32°-14	2,014	**107**	0,09 kW, 1000 rpm	33,316	**466**	406-4-32°-14	2,014	**107**
FLA(G)-3M	1	0,09 kW, 1000 rpm	217,174	**316**	510-4-35°-14	222,112	**184**	0,09 kW, 1000 rpm	33,316	**466**	510-4-35°-14	222,112	**184**
FLA(G)-4M	1	0,09 kW, 1000 rpm	217,174	**316**	510-4-35°-14	222,112	**184**	0,09 kW, 1000 rpm	33,316	**466**	510-4-35°-14	222,112	**184**
FLA(G)-5M	2	0,09 kW, 1000 rpm	217,174	**316**	406-4-32°-14	2,014	**107**	0,09 kW, 1000 rpm	33,316	**466**	406-4-32°-14	2,014	**107**
FLA(G)-6M	2	0,09 kW, 1000 rpm	217,174	**316**	510-4-35°-14	222,112	**184**	0,09 kW, 1000 rpm	33,316	**466**	510-4-35°-14	222,112	**184**
FLA(G)-7M	2	0,09 kW, 1000 rpm	217,174	**316**	510-4-35°-14	222,112	**184**	0,09 kW, 1000 rpm	33,316	**466**	510-4-35°-14	222,112	**184**
FLA(G)-8M	3	0,09 kW, 1000 rpm	217,174	**316**	510-4-35°-14	222,112	**184**	0,09 kW, 1000 rpm	33,316	**466**	510-4-35°-14	222,112	**184**
FLA(G)-9M	2	0,25 kW, 750 rpm	111,765	**353**	610-8-45°-19	222,110	**229**						
FLA(G)-10M	3	0,25 kW, 750 rpm	111,765	**353**	610-8-45°-19	222,110	**229**						

Product	pcs	3/400V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL	1/230V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL
Type		Fan		€			€	Fan		€			€
FA(G)-1-4D/4Y	1	S4D350-AA06-09	178,863	**291**				S4E350-AP06-61	222,061	**229**			
FA(G)-2-4D/4Y	1	S4D350-AA06-09	178,863	**291**				S4E350-AP06-61	222,061	**229**			
FA(G)-3-4D/4Y	1	FB045-VDK4C6P	178,913	**308**				FB045-4EK4F6P	184,416	**331**			
FA(G)-4-4D/4Y	1	FB045-VDK4C6P	178,913	**308**				FB045-4EK4F6P	184,416	**331**			
FA(G)-5-4D/4Y	1	AFK500-30/4-4T-B	222,058	**323**									
FA(G)-6-4D/4Y	1	AFK560-25/4-4T-B	222,005	**369**									
FA(G)-7-4D/4Y	2	FB045-VDK4C6P	178,913	**308**				FB045-4EK4F6P	184,416	**331**			
FA(G)-8-4D/4Y	2	AFK500-30/4-4T-B	222,058	**323**									
FA(G)-9-4D/4Y	2	AFK560-25/4-4T-B	222,005	**369**									
FA(G)-10-4D/4Y	3	AFK500-30/4-4T-B	222,058	**323**									
FA(G)-11-4D/4Y	3	AFK560-25/4-4T-B	222,005	**369**									
FA(G)-12-4D/4Y	4	AFK500-30/4-4T-B	222,058	**323**									
FA(G)-13-4D/4Y	4	AFK560-25/4-4T-B	222,005	**369**									
FA(G)-14-4D/4Y	4	AFK560-25/4-4T-B	222,005	**369**									
FA(G)-15-4D/4Y	6	AFK500-30/4-4T-B	222,058	**323**									
FA(G)-16-4D/4Y	6	AFK500-30/4-4T-B	222,058	**323**									
FA(G)-17-4D/4Y	6	AFK500-30/4-4T-B	222,058	**323**									
FA(G)-18-4D/4Y	6	AFK560-25/4-4T-B	222,005	**369**									

Product	pcs	3/400V	Part n:o	RCPL	Fan blade	Part n:o	RCPL	1/230V	Part n:o	RCPL	Fan blade	Part n:o	RCPL
		Motor						Motor					
Type		Fan		€			€	Fan		€			€
FA(G)-1-6D/6Y	1	FB035-SDK2C6S	178,905	**297**									
FA(G)-2-6D/6Y	1	FB035-SDK2C6S	178,905	**297**									
FA(G)-3-6D/6Y	1	FB045-SDK4C6P	178,921	**308**									
FA(G)-4-6D/6Y	1	FB045-SDK4C6P	178,921	**308**									
FA(G)-5-6D/6Y	1	FB050-SDK4C6P	178,947	**318**									
FA(G)-6-6D/6Y	1	FB056-SDK4F6L	178,962	**345**									
FA(G)-7-6D/6Y	2	FB045-SDK4C6P	178,921	**308**									
FA(G)-8-6D/6Y	2	FB050-SDK4C6P	178,947	**318**									
FA(G)-9-6D/6Y	2	FB056-SDK4F6L	178,962	**345**									
FA(G)-10-6D/6Y	3	FB050-SDK4C6P	178,947	**318**									
FA(G)-11-6D/6Y	3	FB056-SDK4F6L	178,962	**345**									
FA(G)-12-6D/6Y	4	FB050-SDK4C6P	178,947	**318**									
FA(G)-13-6D/6Y	4	FB056-SDK4F6L	178,962	**345**									
FA(G)-14-6D/6Y	4	FB056-SDK4F6L	178,962	**345**									
FA(G)-15-6D/6Y	6	FB050-SDK4C6P	178,947	**318**									
FA(G)-16-6D/6Y	6	FB050-SDK4C6P	178,947	**318**									
FA(G)-17-6D/6Y	6	FB050-SDK4C6P	178,947	**318**									
FA(G)-18-6D/6Y	6	FB056-SDK4F6L	178,962	**345**									

Product	pcs	3/400V	Part n:o	RCPL	Fan blade	Part n:o	RCPL	1/230V	Part n:o	RCPL	Fan blade	Part n:o	RCPL
		Motor						Motor					
Type		Fan		€			€	Fan		€			€
SJ-1-1400/1150	1	S4D350-AA06-09	178,863	**291**				S4E350-AP06-61	222,061	**229**			
SJ-2-1400/1150	1	S4D350-AA06-09	178,863	**291**				S4E350-AP06-61	222,061	**229**			
SJ-3-1400/1150	2	S4D350-AA06-09	178,863	**291**				S4E350-AP06-61	222,061	**229**			
SJ-4-1400/1150	2	S4D350-AA06-09	178,863	**291**				S4E350-AP06-61	222,061	**229**			
SJ-5-1400/1150	1	AFK500-30/4-4T-B	222,058	**323**				AFK500-30/4M-B	222,037	**323**			
SJ-6-1400/1150	3	S4D350-AA06-09	178,863	**291**				S4E350-AP06-61	222,061	**229**			
SJ-7-1400/1150	1	AFK500-30/4-4T-B	222,058	**323**				AFK500-30/4M-B	222,037	**323**			
SJ-8-1400/1150	3	S4D350-AA06-09	178,863	**291**				S4E350-AP06-61	222,061	**229**			
SJ-9-1400/1150	1	AFK630-25/4-4T-B	222,039	**376**									
SJ-10-1400/1150	1	AFK630-25/4-4T-B	222,039	**376**									
SJ-11-1400/1150	2	AFK500-30/4-4T-B	222,058	**323**				AFK500-30/4M-B	222,037	**323**			
SJ-12-1400/1150	2	AFK500-30/4-4T-B	222,058	**323**				AFK500-30/4M-B	222,037	**323**			
SJ-13-1400/1150	3	AFK500-30/4-4T-B	222,058	**323**				AFK500-30/4M-B	222,037	**323**			
SJ-14-1400/1150	2	AFK630-25/4-4T-B	222,039	**376**									
SJ-15-1400/1150	3	AFK500-30/4-4T-B	222,058	**323**				AFK500-30/4M-B	222,037	**323**			
SJ-16-1400/1150	2	AFK630-25/4-4T-B	222,039	**376**									
SJ-17-1400/1150	3	AFK630-25/4-4T-B	222,039	**376**									
SJ-18-1400/1150	6	AFK500-30/4-4T-B	222,058	**323**				AFK500-30/4M-B	222,037	**323**			
SJ-19-1400/1150	3	AFK630-25/4-4T-B	222,039	**376**									
SJ-20-1400/1150	4	AFK630-25/4-4T-B	222,039	**376**									
SJ-21-1400/1150	6	AFK500-30/4-4T-B	222,058	**323**				AFK500-30/4M-B	222,037	**323**			
SJ-22-1400/1150	4	AFK630-25/4-4T-B	222,039	**376**									
SJ-23-1400/1150	6	AFK630-25/4-4T-B	222,039	**376**									
SJ-24-1400/1150	6	AFK630-25/4-4T-B	222,039	**376**									
SJ-25-1400/1150	8	AFK630-25/4-4T-B	222,039	**376**									
SJ-26-1400/1150	8	AFK630-25/4-4T-B	222,039	**376**									
SJ-1-900/700													
SJ-2-900/700													
SJ-3-900/700													
SJ-4-900/700													
SJ-5-900/700	1	AFK500-30/6-6T-B	222,059	**306**									
SJ-6-900/700													
SJ-7-900/700	1	AFK500-30/6-6T-B	222,059	**306**									
SJ-8-900/700													
SJ-9-900/700	1	AFK630-30/6-6T-B	222,040	**355**				AFK630-30/6M-B	222,038	**365**			
SJ-10-900/700	1	AFK630-30/6-6T-B	222,040	**355**				AFK630-30/6M-B	222,038	**365**			
SJ-11-900/700	2	AFK500-30/6-6T-B	222,059	**306**									
SJ-12-900/700	2	AFK500-30/6-6T-B	222,059	**306**									
SJ-13-900/700	3	AFK500-30/6-6T-B	222,059	**306**									
SJ-14-900/700	2	AFK630-30/6-6T-B	222,040	**355**				AFK630-30/6M-B	222,038	**365**			
SJ-15-900/700	3	AFK500-30/6-6T-B	222,059	**306**									
SJ-16-900/700	2	AFK630-30/6-6T-B	222,040	**355**				AFK630-30/6M-B	222,038	**365**			
SJ-17-900/700	3	AFK630-30/6-6T-B	222,040	**355**				AFK630-30/6M-B	222,038	**365**			
SJ-18-900/700	6	AFK500-30/6-6T-B	222,059	**306**									
SJ-19-900/700	3	AFK630-30/6-6T-B	222,040	**355**				AFK630-30/6M-B	222,038	**365**			
SJ-20-900/700	4	AFK630-30/6-6T-B	222,040	**355**				AFK630-30/6M-B	222,038	**365**			
SJ-21-900/700	6	AFK500-30/6-6T-B	222,059	**306**									
SJ-22-900/700	4	AFK630-30/6-6T-B	222,040	**355**				AFK630-30/6M-B	222,038	**365**			
SJ-23-900/700	6	AFK630-30/6-6T-B	222,040	**355**				AFK630-30/6M-B	222,038	**365**			
SJ-24-900/700	6	AFK630-30/6-6T-B	222,040	**355**				AFK630-30/6M-B	222,038	**365**			
SJ-25-900/700	8	AFK630-30/6-6T-B	222,040	**355**				AFK630-30/6M-B	222,038	**365**			
SJ-26-900/700	8	AFK630-30/6-6T-B	222,040	**355**				AFK630-30/6M-B	222,038	**365**			

Product	pcs	3/400V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL	1/230V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL
Type		Fan		€			€	Fan		€			€
SJ-101-1400-4Y	1	S4D350-AA06-09	178,863	**291**				S4E350-AP06-61	222,061	**230**			
SJ-102-1400-4Y	1	S4D350-AA06-09	178,863	**291**				S4E350-AP06-61	222,061	**230**			
SJ-103-1400-4Y	1	S4D350-AA06-09	178,863	**291**				S4E350-AP06-61	222,061	**230**			
SJ-104-1400-4Y	2	S4D350-AA06-09	178,863	**291**				S4E350-AP06-61	222,061	**230**			
SJ-105-1400-4Y	2	S4D350-AA06-09	178,863	**291**				S4E350-AP06-61	222,061	**230**			
SJ-106-1400-4Y	2	S4D350-AA06-09	178,863	**291**				S4E350-AP06-61	222,061	**230**			
SJ-107-1400-4Y	3	S4D350-AA06-09	178,863	**291**				S4E350-AP06-61	222,061	**230**			
SJ-108-1400-4Y	3	S4D350-AA06-09	178,863	**291**				S4E350-AP06-61	222,061	**230**			
SJ-109-1400-4Y	3	S4D350-AA06-09	178,863	**291**				S4E350-AP06-61	222,061	**230**			
SJ-110-1400/1150	1	AFK500-30/4-4T-B	222,058	**323**				AFK500-30/4M-B	222,037	**323**	(*)		
SJ-111-1400/1150	1	AFK500-30/4-4T-B	222,058	**323**				AFK500-30/4M-B	222,037	**323**	(*)		
SJ-112-1400/1150	1	AFK500-30/4-4T-B	222,058	**323**				AFK500-30/4M-B	222,037	**323**	(*)		
SJ-113-1400/1150	2	AFK500-30/4-4T-B	222,058	**323**				AFK500-30/4M-B	222,037	**323**	(*)		
SJ-114-1400/1150	2	AFK500-30/4-4T-B	222,058	**323**				AFK500-30/4M-B	222,037	**323**	(*)		
SJ-115-1400/1150	2	AFK500-30/4-4T-B	222,058	**323**				AFK500-30/4M-B	222,037	**323**	(*)		
SJ-116-1400/1150	3	AFK500-30/4-4T-B	222,058	**323**				AFK500-30/4M-B	222,037	**323**	(*)		
SJ-117-1400/1150	3	AFK500-30/4-4T-B	222,058	**323**				AFK500-30/4M-B	222,037	**323**	(*)		
SJ-118-1400/1150	3	AFK500-30/4-4T-B	222,058	**323**				AFK500-30/4M-B	222,037	**323**	(*)		
SJ-119-1400/1150	1	AFK630-25/4-4T-B	222,039	**376**									
SJ-120-1400/1150	1	AFK630-25/4-4T-B	222,039	**376**									
SJ-121-1400/1150	1	AFK630-25/4-4T-B	222,039	**376**									
SJ-122-1400/1150	2	AFK630-25/4-4T-B	222,039	**376**									
SJ-123-1400/1150	2	AFK630-25/4-4T-B	222,039	**376**									
SJ-124-1400/1150	2	AFK630-25/4-4T-B	222,039	**376**									
SJ-125-1400/1150	4	AFK500-30/4-4T-B	222,058	**323**				AFK500-30/4M-B	222,037	**323**			
SJ-126-1400/1150	4	AFK500-30/4-4T-B	222,058	**323**				AFK500-30/4M-B	222,037	**323**			
SJ-127-1400/1150	4	AFK500-30/4-4T-B	222,058	**323**				AFK500-30/4M-B	222,037	**323**			
SJ-128-1400/1150	3	AFK630-25/4-4T-B	222,039	**376**									
SJ-129-1400/1150	3	AFK630-25/4-4T-B	222,039	**376**									
SJ-130-1400/1150	3	AFK630-25/4-4T-B	222,039	**376**									
SJ-131-1400/1150	4	AFK630-25/4-4T-B	222,039	**376**									
SJ-132-1400/1150	4	AFK630-25/4-4T-B	222,039	**376**									
SJ-133-1400/1150	4	AFK630-25/4-4T-B	222,039	**376**									
SJ-134-1400 (ei 4Y)	5	AFK630-25/4-4T-B	222,039	**376**									
SJ-135-1400 (ei 4Y)	5	AFK630-25/4-4T-B	222,039	**376**									
SJ-136-1400 (ei 4Y)	5	AFK630-25/4-4T-B	222,039	**376**									
SJ-137-1400 (ei 4Y)	6	AFK630-25/4-4T-B	222,039	**376**									
SJ-138-1400 (ei 4Y)	6	AFK630-25/4-4T-B	222,039	**376**									
SJ-139-1400 (ei 4Y)	6	AFK630-25/4-4T-B	222,039	**376**									
SJ-134-1400/1150	5	AFQ630-25/4-4T-B	222,131	**550**									
SJ-135-1400/1150	5	AFQ630-25/4-4T-B	222,131	**550**									
SJ-136-1400/1150	5	AFQ630-25/4-4T-B	222,131	**550**									
SJ-137-1400/1150	6	AFQ630-25/4-4T-B	222,131	**550**									
SJ-138-1400/1150	6	AFQ630-25/4-4T-B	222,131	**550**									
SJ-139-1400/1150	6	AFQ630-25/4-4T-B	222,131	**550**									

(*): Only 1400 rpm

Product	pcs	3/400V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL	1/230V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL
Type		Fan		€			€	Fan		€			€
SJ-101-900/700	1	FB035-SDK2C6S	178,905	**297**									
SJ-102-900/700	1	FB035-SDK2C6S	178,905	**297**									
SJ-103-900/700	1	FB035-SDK2C6S	178,905	**297**									
SJ-104-900/700	2	FB035-SDK2C6S	178,905	**297**									
SJ-105-900/700	2	FB035-SDK2C6S	178,905	**297**									
SJ-106-900/700	2	FB035-SDK2C6S	178,905	**297**									
SJ-107-900/700	3	FB035-SDK2C6S	178,905	**297**									
SJ-108-900/700	3	FB035-SDK2C6S	178,905	**297**									
SJ-109-900/700	3	FB035-SDK2C6S	178,905	**297**									
SJ-110-900/700	1	AFK500-30/6-6T-B	222,059	**306**									
SJ-111-900/700	1	AFK500-30/6-6T-B	222,059	**306**									
SJ-112-900/700	1	AFK500-30/6-6T-B	222,059	**306**									
SJ-113-900/700	2	AFK500-30/6-6T-B	222,059	**306**									
SJ-114-900/700	2	AFK500-30/6-6T-B	222,059	**306**									
SJ-115-900/700	2	AFK500-30/6-6T-B	222,059	**306**									
SJ-116-900/700	3	AFK500-30/6-6T-B	222,059	**306**									
SJ-117-900/700	3	AFK500-30/6-6T-B	222,059	**306**									
SJ-118-900/700	3	AFK500-30/6-6T-B	222,059	**306**									
SJ-119-900/700	1	AFK630-30/6-6T-B	222,040	**355**				AFK630-30/6M-B	222,038	**365**	(*)		
SJ-120-900/700	1	AFK630-30/6-6T-B	222,040	**355**				AFK630-30/6M-B	222,038	**365**	(*)		
SJ-121-900/700	1	AFK630-30/6-6T-B	222,040	**355**				AFK630-30/6M-B	222,038	**365**	(*)		
SJ-122-900/700	2	AFK630-30/6-6T-B	222,040	**355**				AFK630-30/6M-B	222,038	**365**	(*)		
SJ-123-900/700	2	AFK630-30/6-6T-B	222,040	**355**				AFK630-30/6M-B	222,038	**365**	(*)		
SJ-124-900/700	2	AFK630-30/6-6T-B	222,040	**355**				AFK630-30/6M-B	222,038	**365**	(*)		
SJ-125-900/700	4	AFK500-30/6-6T-B	222,059	**306**									
SJ-126-900/700	4	AFK500-30/6-6T-B	222,059	**306**									
SJ-127-900/700	4	AFK500-30/6-6T-B	222,059	**306**									
SJ-128-900/700	3	AFK630-30/6-6T-B	222,040	**355**				AFK630-30/6M-B	222,038	**365**	(*)		
SJ-129-900/700	3	AFK630-30/6-6T-B	222,040	**355**				AFK630-30/6M-B	222,038	**365**	(*)		
SJ-130-900/700	3	AFK630-30/6-6T-B	222,040	**355**				AFK630-30/6M-B	222,038	**365**	(*)		
SJ-131-900/700	4	AFK630-30/6-6T-B	222,040	**355**				AFK630-30/6M-B	222,038	**365**	(*)		
SJ-132-900/700	4	AFK630-30/6-6T-B	222,040	**355**				AFK630-30/6M-B	222,038	**365**	(*)		
SJ-133-900/700	4	AFK630-30/6-6T-B	222,040	**355**				AFK630-30/6M-B	222,038	**365**	(*)		
SJ-134-900/700	5	AFK630-30/6-6T-B	222,040	**355**				AFK630-30/6M-B	222,038	**365**	(*)		
SJ-135-900/700	5	AFK630-30/6-6T-B	222,040	**355**				AFK630-30/6M-B	222,038	**365**	(*)		
SJ-136-900/700	5	AFK630-30/6-6T-B	222,040	**355**				AFK630-30/6M-B	222,038	**365**	(*)		
SJ-137-900/700	6	AFK630-30/6-6T-B	222,040	**355**				AFK630-30/6M-B	222,038	**365**	(*)		
SJ-138-900/700	6	AFK630-30/6-6T-B	222,040	**355**				AFK630-30/6M-B	222,038	**365**	(*)		
SJ-139-900/700	6	AFK630-30/6-6T-B	222,040	**355**				AFK630-30/6M-B	222,038	**365**	(*)		

(*): Only 1400 rpm

Product	pcs	3/400V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL	1/230V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL
Type		Fan		€			€	Fan		€			€
SJ-119-1400/1150-VC	1	AFQ630-25/4-4T-B	222,131	**550**									
SJ-120-1400/1150-VC	1	AFQ630-25/4-4T-B	222,131	**550**									
SJ-121-1400/1150-VC	1	AFQ630-25/4-4T-B	222,131	**550**									
SJ-122-1400/1150-VC	2	AFQ630-25/4-4T-B	222,131	**550**									
SJ-123-1400/1150-VC	2	AFQ630-25/4-4T-B	222,131	**550**									
SJ-124-1400/1150-VC	2	AFQ630-25/4-4T-B	222,131	**550**									
SJ-128-1400/1150-VC	3	AFQ630-25/4-4T-B	222,131	**550**									
SJ-129-1400/1150-VC	3	AFQ630-25/4-4T-B	222,131	**550**									
SJ-130-1400/1150-VC	3	AFQ630-25/4-4T-B	222,131	**550**									
SJ-131-1400/1150-VC	4	AFQ630-25/4-4T-B	222,131	**550**									
SJ-132-1400/1150-VC	4	AFQ630-25/4-4T-B	222,131	**550**									
SJ-133-1400/1150-VC	4	AFQ630-25/4-4T-B	222,131	**550**									
SJ-134-1400/1150-VC	5	AFQ630-25/4-4T-B	222,131	**550**									
SJ-135-1400/1150-VC	5	AFQ630-25/4-4T-B	222,131	**550**									
SJ-136-1400/1150-VC	5	AFQ630-25/4-4T-B	222,131	**550**									
SJ-137-1400/1150-VC	6	AFQ630-25/4-4T-B	222,131	**550**									
SJ-138-1400/1150-VC	6	AFQ630-25/4-4T-B	222,131	**550**									
SJ-139-1400/1150-VC	6	AFQ630-25/4-4T-B	222,131	**550**									

Product	pcs	3/400V	Part n:o	RCPL	Fan blade	Part n:o	RCPL	1/230V	Part n:o	RCPL	Fan blade	Part n:o	RCPL
		Motor						Motor					
Type		Fan		€			€	Fan		€			€
SJG-5-1400/1150	1	AFK500-30/4-4T-B	222,058	**323**				AFK500-30/4M-B	222,037	**323**			
SJG-7-1400/1150	1	AFK500-30/4-4T-B	222,058	**323**				AFK500-30/4M-B	222,037	**323**			
SJG-9-1400/1150	1	AFK630-25/4-4T-B	222,039	**376**									
SJG-10-1400/1150	1	AFK630-25/4-4T-B	222,039	**376**									
SJG-11-1400/1150	2	AFK500-30/4-4T-B	222,058	**323**				AFK500-30/4M-B	222,037	**323**			
SJG-12-1400/1150	2	AFK500-30/4-4T-B	222,058	**323**				AFK500-30/4M-B	222,037	**323**			
SJG-13-1400/1150	3	AFK500-30/4-4T-B	222,058	**323**				AFK500-30/4M-B	222,037	**323**			
SJG-14-1400/1150	2	AFK630-25/4-4T-B	222,039	**376**									
SJG-15-1400/1150	3	AFK500-30/4-4T-B	222,058	**323**				AFK500-30/4M-B	222,037	**323**			
SJG-16-1400/1150	2	AFK630-25/4-4T-B	222,039	**376**									
SJG-17-1400/1150	3	AFK630-25/4-4T-B	222,039	**376**									
SJG-19-1400/1150	3	AFK630-25/4-4T-B	222,039	**376**									
SJG-20-1400/1150	4	AFK630-25/4-4T-B	222,039	**376**									
SJG-22-1400/1150	4	AFK630-25/4-4T-B	222,039	**376**									
SJG-27-1400	5	AFK630-25/4-4T-B	222,039	**376**									
SJG-28-1400	5	AFK630-25/4-4T-B	222,039	**376**									
SJG-29-1400	6	AFK630-25/4-4T-B	222,039	**376**									
SJG-30-1400	6	AFK630-25/4-4T-B	222,039	**376**									
SJG-27-1150	5	AFQ630-25/4-4T-B	222,131	**550**									
SJG-28-1150	5	AFQ630-25/4-4T-B	222,131	**550**									
SJG-29-1150	6	AFQ630-25/4-4T-B	222,131	**550**									
SJG-30-1150	6	AFQ630-25/4-4T-B	222,131	**550**									
SJG-5-900/700	1	AFK500-30/6-6T-B	222,059	**306**									
SJG-7-900/700	1	AFK500-30/6-6T-B	222,059	**306**									
SJG-9-900/700	1	AFK630-30/6-6T-B	222,040	**355**				AFK630-30/6M-B	222,038	**365**			
SJG-10-900/700	1	AFK630-30/6-6T-B	222,040	**355**				AFK630-30/6M-B	222,038	**365**			
SJG-11-900/700	2	AFK500-30/6-6T-B	222,059	**306**									
SJG-12-900/700	2	AFK500-30/6-6T-B	222,059	**306**									
SJG-13-900/700	3	AFK500-30/6-6T-B	222,059	**306**									
SJG-14-900/700	2	AFK630-30/6-6T-B	222,040	**355**				AFK630-30/6M-B	222,038	**365**			
SJG-15-900/700	3	AFK500-30/6-6T-B	222,059	**306**									
SJG-16-900/700	2	AFK630-30/6-6T-B	222,040	**355**				AFK630-30/6M-B	222,038	**365**			
SJG-17-900/700	3	AFK630-30/6-6T-B	222,040	**355**				AFK630-30/6M-B	222,038	**365**			
SJG-19-900/700	3	AFK630-30/6-6T-B	222,040	**355**				AFK630-30/6M-B	222,038	**365**			
SJG-20-900/700	4	AFK630-30/6-6T-B	222,040	**355**				AFK630-30/6M-B	222,038	**365**			
SJG-22-900/700	4	AFK630-30/6-6T-B	222,040	**355**				AFK630-30/6M-B	222,038	**365**			
SJG-27-900/700	5	AFK630-30/6-6T-B	222,040	**355**				AFK630-30/6M-B	222,038	**365**			
SJG-28-900/700	5	AFK630-30/6-6T-B	222,040	**355**				AFK630-30/6M-B	222,038	**365**			
SJG-29-900/700	6	AFK630-30/6-6T-B	222,040	**355**				AFK630-30/6M-B	222,038	**365**			
SJG-30-900/700	6	AFK630-30/6-6T-B	222,040	**355**				AFK630-30/6M-B	222,038	**365**			
SJG-9-1400/1150-VC	1	AFQ630-25/4-4T-B	222,131	**550**									
SJG-10-1400/1150-VC	1	AFQ630-25/4-4T-B	222,131	**550**									
SJG-14-1400/1150-VC	2	AFQ630-25/4-4T-B	222,131	**550**									
SJG-16-1400/1150-VC	2	AFQ630-25/4-4T-B	222,131	**550**									
SJG-17-1400/1150-VC	3	AFQ630-25/4-4T-B	222,131	**550**									
SJG-19-1400/1150-VC	3	AFQ630-25/4-4T-B	222,131	**550**									
SJG-20-1400/1150-VC	4	AFQ630-25/4-4T-B	222,131	**550**									
SJG-22-1400/1150-VC	4	AFQ630-25/4-4T-B	222,131	**550**									
SJG-27-1400/1150-VC	5	AFQ630-25/4-4T-B	222,131	**550**									
SJG-28-1400/1150-VC	5	AFQ630-25/4-4T-B	222,131	**550**									
SJG-29-1400/1140-VC	6	AFQ630-25/4-4T-B	222,131	**550**									
SJG-30-1400/1140-VC	6	AFQ630-25/4-4T-B	222,131	**550**									

Product	pcs	3/400V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL	1/230V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL
Type		Fan		€			€	Fan		€			€
SJM-1-1400/1150	5	AFK630-25/4-4T-B	222,039	**376**									
SJM-2-1400/1150	5	AFK630-25/4-4T-B	222,039	**376**									
SJM-3-1400/1150	6	AFK630-25/4-4T-B	222,039	**376**									
SJM-4-1400/1150	6	AFK630-25/4-4T-B	222,039	**376**									
SJM-1-900/700	5	AFK630-30/6-6T-B	222,040	**355**				AFK630-30/6M-B	222,038	**365**			
SJM-2-900/700	5	AFK630-30/6-6T-B	222,040	**355**				AFK630-30/6M-B	222,038	**365**			
SJM-3-900/700	6	AFK630-30/6-6T-B	222,040	**355**				AFK630-30/6M-B	222,038	**365**			
SJM-4-900/700	6	AFK630-30/6-6T-B	222,040	**355**				AFK630-30/6M-B	222,038	**365**			

Product	pcs	3/400V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL	1/230V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL
Type		Fan		€			€	Fan		€			€
HHLA-17	2	0,55 kW, 1500 rpm	108,886	**385**	502-8-40-19	222,109	**268**						
HHLA-25	2	0,55 kW, 1500 rpm	108,886	**385**	502-8-40-19	222,109	**268**						
HHLA-31	3	0,55 kW, 1500 rpm	108,886	**385**	502-8-40-19	222,109	**268**						
HHLA-41	2	1,5 kW, 1500 rpm	108,894	**399**	610-5-35°-24	E32418	**329**						
HHLA-52	3	1,5 kW, 1500 rpm	108,894	**399**	610-5-35°-24	E32418	**329**						
HHLA-73	3	1,5 kW, 1500 rpm	108,894	**399**	610-5-35°-24	E32418	**329**						
HHLA-96	4	1,5 kW, 1500 rpm	108,894	**399**	610-5-35°-24	E32418	**329**						
HHLA-136	4	1,5 kW, 1500 rpm	108,894	**399**	610-5-35°-24	E32418	**329**						
HHLA-163	6	1,5 kW, 1500 rpm	108,894	**399**	610-5-35°-24	E32418	**329**						
HHLA-218	8	1,5 kW, 1500 rpm	108,894	**399**	610-5-35°-24	E32418	**329**						
HHLA-260	8	1,5 kW, 1500 rpm	108,894	**399**	610-5-35°-24	E32418	**329**						
HHLA-319	6	2,5 kW, 1000 rpm	222,206	**698**	911-4-27.5°-28	222,092	**391**						
HHLA-350	8	1,8 kW, 1000 rpm			800-5-38°-28	97,980	**431**						
HHLA-1	2	0,55 kW, 1500 rpm	108,886	**385**	502-8-40-19	222109	**268**						
HHLA-2	2	0,55 kW, 1500 rpm	108,886	**385**	502-8-40-19	222109	**268**						
HHLA-3	3	0,55 kW, 1500 rpm	108,886	**385**	502-8-40-19	222109	**268**						
HHLA-4	2	1,5 kW, 1500 rpm	108,894	**399**	610-5-35°-24	E32418	**329**						
HHLA-5	3	1,5 kW, 1500 rpm	108,894	**399**	610-5-35°-24	E32418	**329**						
HHLA-6	3	1,5 kW, 1500 rpm	108,894	**399**	610-5-35°-24	E32418	**329**						
HHLA-7	4	1,5 kW, 1500 rpm	108,894	**399**	610-5-35°-24	E32418	**329**						
HHLA-8	4	1,5 kW, 1500 rpm	108,894	**399**	610-5-35°-24	E32418	**329**						
HHLA-9	6	1,5 kW, 1500 rpm	108,894	**399**	610-5-35°-24	E32418	**329**						
HHLA-10	8	1,5 kW, 1500 rpm	108,894	**399**	610-5-35°-24	E32418	**329**						
HHLA-11	8	1,5 kW, 1500 rpm	108,894	**399**	610-5-35°-24	E32418	**329**						
HHLA-12	6	2,5 kW, 1000 rpm	222,206	**698**	911-4-27.5°-28	222092	**391**						
HHLA-13	6	2,5 kW, 1000 rpm	222,206	**698**	911-4-27.5°-28	222092	**391**						

Product	pcs	3/400V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL	1/230V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL
Type		Fan		€			€	Fan		€			€
AL-01M	2	0,25 kW, 750 rpm	111,765	**353**	610-8-45°-19	222,110	**229**						
AL-02M	3	0,25 kW, 750 rpm	111,765	**353**	610-8-45°-19	222,110	**229**						
AL-03M	2	0,5 kW, 450 rpm	22,301	**613**	911-4-30°-28	222,096	**381**						
AL-04M	2	0,5 kW, 450 rpm	22,301	**613**	911-4-30°-28	222,096	**381**						
AL-05M	3	0,5 kW, 450 rpm	22,301	**613**	911-4-30°-28	222,096	**381**						
AL-06M	3	0,5 kW, 450 rpm	22,301	**613**	911-4-30°-28	222,096	**381**						
AL-07M	3	0,5 kW, 450 rpm	22,301	**613**	911-4-30°-28	222,096	**381**						
AL-08M	4	0,5 kW, 450 rpm	22,301	**613**	911-4-30°-28	222,096	**381**						
AL-09M	5	0,5 kW, 450 rpm	22,301	**613**	911-4-30°-28	222,096	**381**						
AL-10M	5	0,5 kW, 450 rpm	22,301	**613**	911-4-30°-28	222,096	**381**						
AL-11M	5	0,5 kW, 450 rpm	22,301	**613**	911-4-30°-28	222,096	**381**						
AL-12M	5	0,5 kW, 450 rpm	22,301	**613**	911-4-30°-28	222,096	**381**						
AL-13M	5	0,5 kW, 450 rpm	22,301	**613**	911-4-30°-28	222,096	**381**						
AL-01N	2	0,55 kW, 1000 rpm	109,058	**377**	610-8-45°-19	222,110	**229**						
AL-02N	3	0,55 kW, 1000 rpm	109,058	**377**	610-8-45°-19	222,110	**229**						
AL-03N	2	1,2 kW, 750 rpm	222 207/222 137	**663**	911-4-30°-28	222,096	**381**						
AL-04N	2	1,8 kW, 750 rpm	108,902	**810**	911-4-30°-28	222,096	**381**						
AL-05N	3	1,2 kW, 750 rpm	222 207/222 137	**663**	911-4-30°-28	222,096	**381**						
AL-06N	3	1,8 kW, 750 rpm	108,902	**810**	911-4-30°-28	222,096	**381**						
AL-07N	3	1,8 kW, 750 rpm	108,902	**810**	911-4-30°-28	222,096	**381**						
AL-08N	4	1,8 kW, 750 rpm	108,902	**810**	911-4-30°-28	222,096	**381**						
AL-09N	5	1,2 kW, 750 rpm	222 207/222 137	**663**	911-4-30°-28	222,096	**381**						
AL-10N	5	1,8 kW, 750 rpm	108,902	**810**	911-4-30°-28	222,096	**381**						
AL-11N	5	1,8 kW, 750 rpm	108,902	**810**	911-4-30°-28	222,096	**381**						
AL-12N	5	1,8 kW, 750 rpm	108,902	**810**	911-4-30°-28	222,096	**381**						
AL-13N	5	1,8 kW, 750 rpm	108,902	**810**	911-4-30°-28	222,096	**381**						
AL-01K	2	1,5 kW, 1500 rpm	108,894	**399**	610-5-35°-24	E32418	**329**						
AL-02K	3	1,5 kW, 1500 rpm	108,894	**399**	610-5-35°-24	E32418	**329**						
AL-03K	2	2,5 kW, 1000 rpm	222,206	**698**	911-4-30°-28	222,096	**381**						
AL-04K	2	2,5 kW, 1000 rpm	222,206	**698**	911-4-30°-28	222,096	**381**						
AL-05K	3	2,5 kW, 1000 rpm	222,206	**698**	911-4-30°-28	222,096	**381**						
AL-06K	3	2,5 kW, 1000 rpm	222,206	**698**	911-4-30°-28	222,096	**381**						
AL-07K	2	4,0 kW, 750 rpm	69,104	**1180**	1236-6-33°-42	222,190	**762**						
AL-08K	2	5,5 kW, 750 rpm	E27489/220 658	**2732**	1236-6-38-42	222,175	**1282**						
AL-09K	3	4,0 kW, 750 rpm	69,104	**1180**	1236-6-33°-42	222,190	**762**						
AL-10K	3	5,5 kW, 750 rpm	E27489/220 658	**2732**	1236-6-38-42	222,175	**1282**						
AL-11K	3	5,5 kW, 750 rpm	E27489/220 658	**2732**	1236-6-38-42	222,175	**1282**						
AL-12K	4	4,0 kW, 750 rpm	69,104	**1180**	1236-6-33°-42	222,190	**762**						
AL-13K	4	5,5 kW, 750 rpm	E27489/220 658	**2732**	1236-6-38-42	222,175	**1282**						

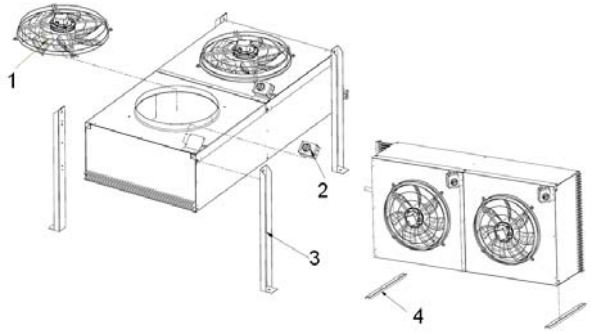
Product	pcs	3/400V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL	1/230V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL
Type		Fan		€			€	Fan		€			€
Solar 1-2..16-12-350		0,14 kW, 375 rpm	222 210/222 117	**733**	911-4-28°-24	222,093	**345**						
Solar 1-2..16-12-470		0,37 kW, 500 rpm	222 209/222 139	**647**	911-4-27.5°-28	222,092	**390**						
Solar 1-2..16-12-560		0,55 kW, 600 rpm	222 208/222 138	**595**	911-4-27.5°-28	222,092	**390**						
Solar 1-2..16-12-720		1,2 kW, 750 rpm	222 207/222 137	**663**	911-4-27.5°-28	222,092	**390**						
Solar 1-2..16-12-950		2,5 kW, 1000 rpm	222,206	**698**	911-4-27.5°-28	222,092	**390**						
Solar 9-3..16-6-350		0,75 kW, 375 rpm	184,598	**1222**	1236-6-45°-38	222,095	**765**						
Solar 9-3..16-6-470		1,5 kW, 500 rpm	192,872	**1446**	1236-6-45°-38	222,095	**765**						
Solar 9-3..16-6-560		3,0 kW, 600 rpm	192,807	**1673**	1236-6-45°-38	222,095	**765**						
Solar 9-3..16-6-720		5,5 kW, 750 rpm	E27489/220 658	**2731**	1236-6-45°-38	222,095	**765**						

Product	pcs	3/400V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL	1/230V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL
Type		Fan		€			€	Fan		€			€
SCAL-G-914-350		0,14 kW, 375 rpm	222 210/222 117	**733**	911-4-43-24	222,214	**377**						
SCAL-G-914-470		0,37 kW, 500 rpm	222 209/222 139	**646**	911-4-43-28	222,205	**306**						
SCAL-G-914-560		0,55 kW, 600 rpm	222 208/222 138	**594**	911-4-43-28	222,205	**306**						
SCAL-G-914-720		1,2 kW, 750 rpm	222 207/222 137	**663**	911-4-43-28	222,205	**306**						
SCAL-G-914-950		2,5 kW, 1000 rpm	222,206	**697**	911-4-43-28	222,205	**306**						
SCAL-G-1240-350		0,75 kW, 375 rpm	184,598	**1222**	1236-6-40-38	E41239	**737**						
SCAL-G-1240-470		1,5 kW, 500 rpm	192,872	**1446**	1236-6-40-38	E41239	**737**						
SCAL-G-1240-560		3,0 kW, 600 rpm	192,807	**1673**	1236-6-40-42	E33766	**794**						
SCAL-G-1240-720		5,5 kW, 750 rpm	E27489/220 658	**2731**	1236-6-40-42	E33766	**794**						
SCAL-G-1240-950		11 kW, 1000 rpm	222,097	**2038**	1236-6-37-42	E37401	**794**						

Product	pcs	3/400V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL	1/230V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL
Type		Fan		€			€	Fan		€			€
FI-01	1	0,09 kW, 1500 rpm	222,029	**370**	305-4-32°-14	1,933	**85**	0,12 kW, 1500 rpm	106,120	**476**	305-4-32°-14	1,933	**85**
FI-02	1	0,25 kW, 1500 rpm	108,860	**302**	406-4-22°-14	77,206	**107**	0,12 kW, 1500 rpm	106,120	**476**	406-4-22°-14	77,206	**107**
FI-03	1	0,25 kW, 1500 rpm	108,860	**302**	406-4-32°-14	2,014	**107**	0,25 kW, 1500 rpm	22,319	**371**	406-4-32°-14	2,014	**107**
FI-04	2	0,25 kW, 1500 rpm	108,860	**302**	406-4-22°-14	77,206	**107**	0,12 kW, 1500 rpm	106,120	**476**	406-4-22°-14	77,206	**107**
FI-05	2	0,25 kW, 1500 rpm	108,860	**302**	406-4-32°-14	2,014	**107**	0,25 kW, 1500 rpm	22,319	**371**	406-4-32°-14	2,014	**107**
FI-06	3	0,25 kW, 1500 rpm	108,860	**302**	406-4-32°-14	2,014	**107**	0,25 kW, 1500 rpm	22,319	**371**	406-4-32°-14	2,014	**107**
FIM-01	1	0,09 kW, 1000 rpm	217,174	**316**	406-4-32°-14	2,014	**107**	0,09 kW, 1000 rpm	33,316	**466**	406-4-32°-14	2,014	**107**
FIM-02	1	0,09 kW, 1000 rpm	217,174	**316**	406-4-32°-14	2,014	**107**	0,09 kW, 1000 rpm	33,316	**466**	406-4-32°-14	2,014	**107**
FIM-03	1	0,09 kW, 1000 rpm	217,174	**316**	406-4-32°-14	2,014	**107**	0,09 kW, 1000 rpm	33,316	**466**	406-4-32°-14	2,014	**107**
FIM-04	2	0,09 kW, 1000 rpm	217,174	**316**	406-4-32°-14	2,014	**107**	0,09 kW, 1000 rpm	33,316	**466**	406-4-32°-14	2,014	**107**
FIM-05	2	0,09 kW, 1000 rpm	217,174	**316**	406-4-32°-14	2,014	**107**	0,09 kW, 1000 rpm	33,316	**466**	406-4-32°-14	2,014	**107**
FIM-06	3	0,09 kW, 1000 rpm	217,174	**316**	406-4-32°-14	2,014	**107**	0,09 kW, 1000 rpm	33,316	**466**	406-4-32°-14	2,014	**107**

Alfa Laval Air Cooled Liquid Coolers
Alfa Laval Spare Parts

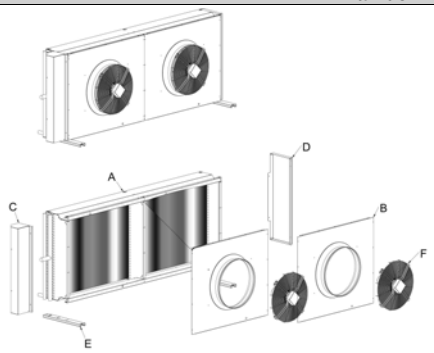
AlfaBlue Junior Dry Coolers— Single fan row



Position	Description
1	Fan motor
2	Local safety switch
3	Feet -Horizontal position
4	Feet-Vertical position

Position	Description	Model			Code	RCPL
		400	500	630		
1	Fan motor	see table (1)				
2	Local safety switch	√			41002653	**173**
2	Local safety switch		√		41002660	**173**
2	Local safety switch			√	41003145	**173**
3	Feet -Horizontal position	√			60611040	**20**
3	Feet -Horizontal position		√		60611233	**20**
3	Feet -Horizontal position			√	60611305	**28**
4	Feet-Vertical position	√			na	**10**
4	Feet-Vertical position		√		60611235	**10**
4	Feet-Vertical position			√	60611304	**26**

AlfaBlue Dry coolers - Single fan row

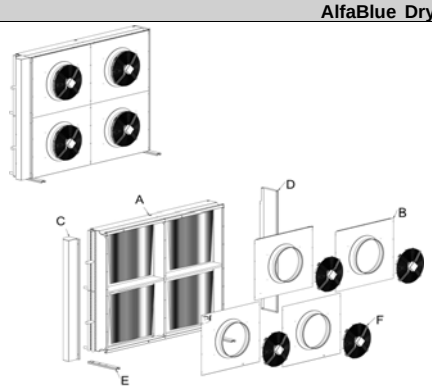


Position	Description
A	Coil
B	Fan cowl
C	Cover plate connection side
D	Cover plate bends side
E	Support leg
F	Fan motor

Position	Description	Model					Code	RCPL
		630	630L	800	910	1000		
B	Fan cowld=630 (module 1090)	√					60605200	**319**
B	Fan cowl d=630 (module 1400)		√				60605201	**338**
B	Fan cowl d=800 (module 1750)			√			60605202	**496**
B	Fan cowl d=910 (module 2100)				√		60605204	**631**
B	Fan cowl d=1000 (module 2100)					√	60605206	**631**
F	Fan motor	see table (1)						
C	Cover plate connection side	√	√				60602040	**190**
C	Cover plate connection side			√	√	√	60602047	**320**
D	Cover plate bends side	√	√				60602043	**157**
D	Cover plate bends side			√	√	√	60602050	**177**
C	Cover plate connection side NH_3 Min. temperature -45°C	√	√				60602054	**286**
C	Cover plate connection side NH_3 Min. temperature -45°C			√	√	√	60602061	**314**
D	Cover plate connection side NH_3 Min. temperature -45°C	√	√				60602057	**268**
D	Cover plate bends side NH_3 Min. temperature -45°C			√	√	√	60602064	**343**
E	Support leg (unit in vertical position)	√	√	√	√	√	60611060	**51**
E	Support leg sx (H = 500 mm)	√	√	√	√	√	60611061	**137**
E	Support leg dx (H = 500 mm)	√	√	√	√	√	60611062	**137**
E	Support leg sx (H=850 mm)	√	√	√	√	√	60611063	**177**
E	Support leg dx (H = 850 mm)	√	√	√	√	√	60611064	**177**
E	Support leg (adjustable)	√	√	√	√	√	60611065	**119**
	Safety switch support 16 Amp & EMC	√	√	√	√	√	60626152	**19**
	Safety switch support (63 Amp)	√	√	√	√	√	60626154	**19**
	Safety switch IP66 16 Amp	√	√	√	√	√	41002653	**64**
	Safety switch IP66 63 Amp	√	√	√	√	√	41002656	**143**
	Safety switch IP66 (16Amp) EMC	√	√	√	√	√	41002657	**128**
	Kit safety switch 16 Amp*	√	√	√	√	√	41002660	**152**
	Kit safety switch 32 Amp*	√	√	√	√	√	41002661	**230**

* switch + support + terminal + contact.

AlfaBlue Dry coolers - Double fan row

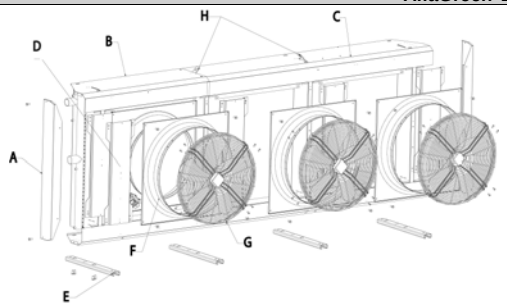


Description	
A	Coil
B	Fan cowl
C	Cover plate connection side
D	Cover plate bends side
E	Support leg
F	Fan motor

Position	Description	Model			Code	RCPL
		800	910	1000		
B	Fan cowl d=800	√			60605218	**419**
B	Fan cowl d=910		√		60605220	**534**
B	Fan cowl d=1000			√	60605222	**534**
C	Cover plate connection side	√	√	√	60602075	**257**
D	Cover plate bends side	√	√	√	60602078	**225**
C	Cover plate connection side NH_3	√	√	√	60602089	**685**
D	Cover plate bends side NH_3	√	√	√	60602092	**511**
	Safety switch support 16 Amp & EMC	√	√	√	60626152	**19**
	Safety switch support (63 Amp)	√	√	√	60626154	**19**
	Safety switch IP66 16 Amp	√	√	√	41002653	**64**
	Safety switch IP66 63 Amp	√	√	√	41002656	**143**
	Safety switch IP66 (16Amp) EMC	√	√	√	41002657	**128**
	Kit safety switch 16 Amp*	√	√	√	41002660	**152**
	Kit safety switch 32 Amp*	√	√	√	41002661	**230**

* switch + support + terminal + contact.

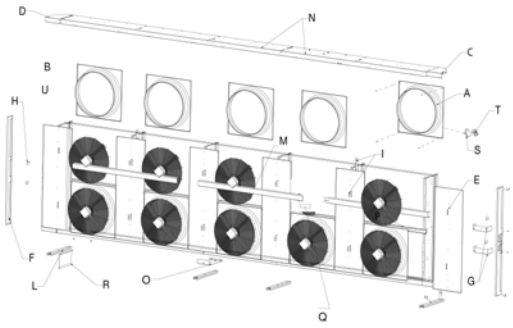
AlfaGreen Dry coolers - Single fan row



Position	Description
A	Right/Left side panel, for cover connection and bends
B	Modular cover SX
C	Modular cover DX
D	Top modular panel
E	Support for vertical positioning
F	Fan cowl
G	Fan motor

Position	Description	Model			Code number	RCPL
		630	800	910		
A	Right/Left side panel, for cover connection and bends	√			60622005	**56**
A	Right/Left side panel, for cover connection and bends		√	√	60622006	**70**
B	Modular cover SX 2-3 modules	√			60621008	**147**
B	Modular cover SX 2-3 modules		√		60621010	**140**
B	Modular cover SX 2-3 modules			√	60621012	**197**
B	Modular cover SX 4 modules	√			60621015	**337**
B	Modular cover SX 4-5 modules		√		60621017	**366**
B	Modular cover SX 4 modules			√	60621019	**408**
C	Modular cover DX 2 modules	√			60621007	**149**
C	Modular cover DX 2 modules		√		60621009	**143**
C	Modular cover DX 2 modules			√	60621011	**197**
C	Modular cover DX 4-3 modules	√			60621014	**337**
C	Modular cover DX 3-4-5 modules		√		60621016	**366**
C	Modular cover DX 3/4 modules			√	60621018	**379**
D	Top modular panel	√			60623006	**145**
D	Top modular panel		√		60623007	**119**
D	Top modular panel			√	60623008	**158**
E	Support for vertical positioning	√	√	√	60626033	**54**
F	Fan cowl	√			41199093	**202**
F	Fan cowl		√		41199094	**326**
F	Fan cowl			√	41199095	**370**
G	Fan motor	see table (1)				
-	Vibration dampers	√	√	√	60626031	**49**

AlfaGreen Dry coolers - double row

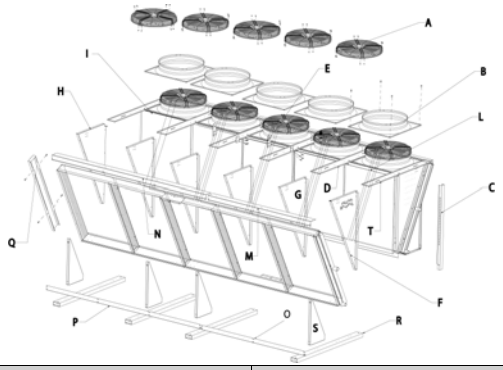


Position	Description
A	Fan cowl
B	Fan motor
C	Cover for panel DX
D	Cover panel for SX
E	Modular panel
F	Mobile bends/manifolds cover
L	Support for vertical positioning
N	Modular cover
Q	Stirrup fixing profile
R	Support of electrical cabinet
S	Safety switch support
T	Safety switch IP66
U	Electrical cabinet

Position	Description	Model			RCPL
		800	910	1000	
A	Fan cowl	41199094			**326**
A	Fan cowl		41199095		**370**
	Fan cowl			41199096	**446**
B	Fan motor	see table (1)			
C	Cover for panel DX	60623009			**66**
C	Cover for panel DX		60623011	60623011	**125**
D	Cover panel for SX	60623010			**59**
D	Cover panel for SX		60623012	60623012	**116**
E	Modular panel	60623055			**238**
E	Modular panel		60623056	60623056	**328**
F	Mobile bends/manifolds cover	60622002	60622002	60622002	**90**
L	Support for vertical positioning	60626033	60626033	60626033	**54**
N	Lifting eye bolts for length = 2/5 modules	60621003			**421**
N	Lifting eye bolts for length =2/4/5 modules		60621005	60621005	**651**
N	Lifting eye bolts for length =3/5/6 modules	60621004			**822**
N	Lifting eye bolts for length =5/6 modules		60621006	60621006	**915**
R	Support of electrical cabinet 500 x 700 mm	60626007	60626007	60626007	**73**
R	Support of electrical cabinet 500 x 500 mm	60626008	60626008	60626008	**103**
S	Safety switch support 16 Amp & EMC	60626152	60626152	60626152	**19**
T	Safety switch IP66 16 Amp	41002653	41002653	41002653	**64**
T	Safety switch IP66 63 Amp	41002656	41002656	41002656	**143**
	Safety switch IP66 (16Amp) EMC	41002657	41002657	41002657	**128**
	Kit safety switch 16 Amp*	41002660	41002660	41002660	**152**
	Kit safety switch 32 Amp*	41002661	41002661	41002661	**230**
U	Electrical cabinet	On request			
	Terminal box 4 motors	41002131	41002131	41002131	**216**
	Terminal box 5 motors	41002137	41002137	41002137	**285**
	Terminal box 7 motors	41002115	41002115	41002115	**309**
	Terminal box IP56 115C	41002112	41002112	41002112	**285**

* switch + support + terminal + contact.

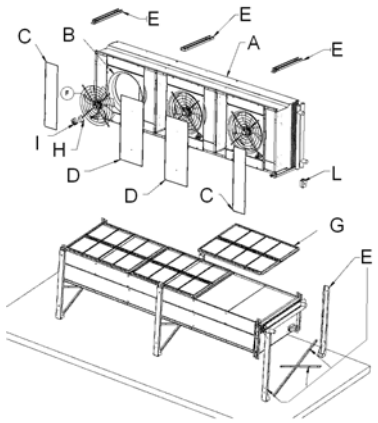
V-Type —Double row



Position	Description
A	Fan motor
B	Fan cowl
C	Wiring raceway
G	Intermediate panel
M	Cover profile 2 modules
N	Cover profile 3 modules
O	L fixing profile 2 modules
P	L fixing profile 3 modules
Q	Bend cover
R	Support feet
S	Coil support feet
T	Manifolds/bends modular panel

Position	Description	Model	RCPL
A	Fan motor	see table (1)	
B	Fan cowl 800 mm Ø	41199094	**326**
B	Fan cowl 910 mm Ø	41199095	**370**
B	Fan cowl 1000 mm Ø	41199096	**446**
M	Cover profile	60623018	**126**
N	Cover profile	60623019	**222**
O	L fixing profile short	60625022	**124**
P	L fixing profile long	60625023	**196**
Q	Bend cover	60623033	**84**
R	Support feet	60626016	**264**
S	Coil support feet	60626017	**121**

AlfaBlue Reverse



Position	Description
A	Coil
B	Fan cowl
C	Removable side panels
D	Removable module panel
E	Support leg
F	Fan motors
G	Protection grid
H	Safety switch support
I	Local safety switch
L	Connection box

Position	Description	Model			Code	RCPL
		BRC	BRM	BRD/6		
B	Fan cowl Ø910	√	√	√	60605270	**305**
F	Fan motors	see table (1)				
B	Removable side panels		√		60623176	**39**
C	Removable side panels	√		√	60623172	**46**
C	Removable side panels		√		60623174	**62**
D	Removable module panel	√		√	60623173	**72**
D	Removable module panel		√		60623175	**100**
E	Support leg-Vertical position,lifting lug	√	√	√	60611261	**167**
E	Support leg-Vertical position	√	√	√	60611262	**122**
E	Support leg- (H=1000mm)	√	√		60611263	**281**
E	Support leg (H=1500mm)			√	60611264	**342**
E	Support leg (wind braces)	√			60611265	**27**
E	Support leg (wind braces)		√		60611266	**31**
E	Support leg (wind braces)			√	60611267	**46**
G	Protection grid (Coil)	√		√	40901077	**277**
G	Protection grid (Coil)		√		40901078	**258**
H	Safety switch support	√	√	√	60626124	**7**
I	Local safety switch IP66 16Amp	√	√	√	41002653	**70**
(H+I)	Kit safety switch IP66 16Amp	√	√	√	41002968	**140**
L	Electrical connection box 1Fan motors	√	√	√	41002566	**293**
L	Electrical connection box 2 Fan motors	√	√	√	41002567	**327**
L	Electrical connection box 3 Fan motors	√	√	√	41002568	**359**
L	Electrical connection box 4 Fan motors	√	√	√	41002569	**470**
L	Electrical connection box 5 Fan motors	√	√	√	41002570	**502**
L	Electrical connection box 6 Fan motors			√	41002571	**533**
L	Electrical connection box 7 Fan motors			√	41002862	**748**

Power fan coolers

Including electrical motor + fan blades + fan guard

Description		Model		Code number	RCPL
Spare parts	N. of poles	Ø			
Axial fan motor (400/3Ph/50 Hz)	6 P	630 mm	S	41101110	**562**
Axial fan motor (400/3Ph/50 Hz)	8 P		L	41101315	**682**
Axial fan motor (400/3Ph/50 Hz)	6 P	800 mm	S	41101107	**1088**
Axial fan motor (400/3Ph/50-60 Hz)	8 P		L	41101190	**1070**
Axial fan motor (400/3Ph/50-60 Hz)	12 P		Q	41101162	**1027**

Fan motors (1)					
Diameter Ømm	**Model**	**Description**	**Specifications**	**Code number**	**RCPL**
400	Alfablue Junior	460/3/60Hz (S)	Connection "D"	41101223	**472**
	Alfablue Junior	460/3/60Hz (L)	Connection "Y"	41101223	**472**
	Alfablue Junior; AlfaGreen	230/1/50-60Hz (S)		41101290	**317**
	Alfablue Junior; AlfaGreen	230/1/50Hz (L)		41101396	**279**
	Alfablue Junior	230/1/60Hz (L)		41101348	**315**
	Alfablue Junior; AlfaGreen	400/3/50-60Hz (S)	Connection "D"	41101152	**273**
	Alfablue Junior; AlfaGreen	400/3/50-60Hz (L)	Connection "Y"	41101152	**273**
500	Alfablue Junior	400-460/3/60Hz (S)		41101371	**367**
	Alfablue Junior	380-460/3/50-60Hz	EC motor (always specify type unit programming required)	41101398	**1441**
	Alfablue Junior; AlfaGreen	400/3/50Hz (S)		41101363	**491**
	Alfablue Junior; AlfaGreen	400-460/3/50-60Hz (L)		41101364	**491**
	Alfablue Junior; AlfaGreen	400-460/3/50-60Hz (Q)		41101365	**491**
	Alfablue Junior; AlfaGreen	230/1/50-60Hz (S)		41101366	**491**
	Alfablue Junior; AlfaGreen	230/1/50-60Hz (L)		41101367	**491**
	Alfablue Junior; AlfaGreen	230/1/50-60Hz (Q)		41101368	**491**
	AlfaGreen	230/1/50 Hz (S)		41101165	**241**
	AlfaGreen	230/1/50 Hz (L)		41101213	**248**
	AlfaGreen	230/1/50 Hz (S)		41101221	**399**
	AlfaGreen	230/1/50 Hz (L)		41101239	**395**
	AlfaGreen	230/1/50 Hz (Q)		41101240	**395**
	AlfaGreen	400/3/50 Hz (S)		41101220	**404**
	AlfaGreen	400/3/50 Hz (L)		41101237	**404**
	AlfaGreen	400/3/50 Hz (Q)		41101238	**399**
630	Alfablue	230-400/3/50Hz (S)		41101122	**794**
	Alfablue	260-460/3/60Hz (S)		41101128	**984**
	Alfablue	400-460/3/60Hz (S)		41101163	**1001**
	Alfablue	400-460/3/60Hz (L)		41101263	**515**
	Alfablue	400-460/3/60Hz (Q)		41101264	**514**
	Alfablue	400-460/3/60Hz (R)		41101265	**514**
	Alfablue	380-460/3/50-60Hz (S)	EC motor (always specify type unit programming required)	41103030	**2097**
	Alfablue	380-460/3/50-60Hz (L,Q,R)	EC motor (always specify type unit programming required)	41101336	**1880**
	Alfablue	230/1/60Hz (L)		41101266	**961**
	Alfablue Junior	400/3/50Hz (S)		41101400	**590**
	Alfablue Junior	400-460/3/50-60Hz (L)		41101401	**399**
	Alfablue Junior	400/3/50Hz (Q)		41101402	**399**
	Alfablue Junior	400-460/3/50-60Hz (R)		41101403	**399**
	Alfablue Junior	230/1/50Hz (L)		41101404	**399**
	Alfablue Junior	230/1/50-60Hz (Q)		41101405	**399**
	Alfablue Junior	230/1/50Hz (R)		41101406	**399**
	Alfablue; AlfaGreen	230/1/50Hz (L)		41101301	**537**
	Alfablue; AlfaGreen	230/1/50-60Hz (Q)		41101303	**487**
	Alfablue; AlfaGreen	400/3/50Hz (S)		41101218	**895**
	Alfablue; AlfaGreen	400/3/50Hz (L)		41101300	**509**
	Alfablue; AlfaGreen	400/3/50Hz (Q)		41101302	**483**
	Alfablue; AlfaGreen	400/3/50Hz (R)		41101305	**459**
800	Alfablue;AlfaV	230/3/50Hz (S)	Owlet fan motor	41103058	**936**
	Alfablue;AlfaV	400/3/50Hz (S)	Owlet fan motor	41103043	**879**
	Alfablue;AlfaV	400-460/3/50-60Hz (L)	Owlet fan motor	41103045	**900**
	Alfablue;AlfaV	400/3/50Hz (Q)	Owlet fan motor	41103046	**877**
	Alfablue;AlfaV	400/3/50Hz (R)	Owlet fan motor	41103047	**930**
	Alfablue;AlfaV	400-460/3/60Hz (S)	Owlet fan motor	41103044	**922**
	Alfablue;AlfaV	400-460/3/60Hz (Q)	Owlet fan motor	41103048	**922**
	Alfablue;AlfaV	380-460/3/50-60Hz (S)	EC motor (always specify type unit programming required)	41103032	**2098**
	Alfablue;AlfaV	380-460/3/50-60Hz (L,R,Q)	EC motor (always specify type unit programming required)	41101324	**2265**
	Alfablue;AlfaV	230-400/3/50Hz (S)		41101064	**919**
	Alfablue;AlfaV	230-400/3/50Hz (L)		41101150	**936**
	Alfablue;AlfaV	230-260-400-460/3/60Hz (S)		41101079	**1605**
	Alfablue;AlfaV	230-260-400-460/3/60Hz (L)		41101150	**936**
	Alfablue;AlfaV	400-460/3/60Hz (S)		41101200	**1379**
	Alfablue;AlfaV	400-460/3/60Hz (L)		41101323	**933**
	Alfablue;AlfaV	380-460/3/50-60Hz (S,L,Q,R)	EC motor (always specify type unit programming required)	41101335	**2152**
	Alfablue;AlfaV;AlfaGreen	400/3/50Hz (S)		41101148	**997**
	Alfablue;AlfaV;AlfaGreen	400/3/50Hz (L)		41101147	**1018**
	Alfablue;AlfaV;AlfaGreen	400/3/50-60Hz (Q)		41101149	**993**
	Alfablue;AlfaV;AlfaGreen	400/3/50Hz (R)		41101306	**1054**

Fan motors (1)					
Diameter Ømm	**Model**	**Description**	**Specifications**	**Code number**	**RCPL**
910	Alfablue Reverse	400/3/50Hz (T)		41101376	**1464**
	Alfablue Reverse	400/3/50Hz (S)		41101377	**955**
	Alfablue Reverse	400/3/50Hz (L)		41101378	**955**
	Alfablue Reverse	400/3/50Hz (Q)		41101379	**946**
	Alfablue Reverse	400-460/3/60Hz (T)		41101380	**1464**
	Alfablue Reverse	400-460/3/60Hz (S)		41101381	**1035**
	Alfablue Reverse	400-460/3/60Hz (L)		41101382	**1035**
	Alfablue Reverse	400-460/3/60Hz (Q)		41101379	**946**
	Alfablue;AlfaV	230-400/3/50Hz (S)		41101313	**993**
	Alfablue;AlfaV	230-400/3/50-60Hz (L)		41101359	**1058**
	Alfablue;AlfaV	400-460/3/60Hz (T)		41101299	**1426**
	Alfablue;AlfaV	400-460/3/60Hz (S)		41101270	**1211**
	Alfablue;AlfaV	400-460/3/60Hz (L)		41101268	**1289**
	Alfablue;AlfaV	400-460/3/60Hz (Q)		41101269	**1184**
	Alfablue;AlfaV	380-460/3/50-60Hz (T)	EC motor (always specify type unit programming required)	41103049	**2461**
	Alfablue;AlfaV	380-460/3/50-60Hz (S)	EC motor (always specify type unit programming required)	41103031	**2190**
	Alfablue;AlfaV	380-460/3/50-60Hz (L,Q,R)	EC motor (always specify type unit programming required)	41101334	**2010**
	Alfablue;AlfaV;AlfaGreen	400/3/50-60Hz (T)		41101311	**1501**
	Alfablue;AlfaV;AlfaGreen	400/3/50Hz (S)		41101307	**1024**
	Alfablue;AlfaV;AlfaGreen	400/3/50Hz (L)		41101308	**992**
	Alfablue;AlfaV;AlfaGreen	400/3/50Hz (Q)		41101309	**998**
	Alfablue;AlfaV;AlfaGreen	400/3/50-60Hz (R)		41101310	**1020**
1000	Alfablue;AlfaV	230/3/50-60Hz (Q)		41103033	**1218**
	Alfablue;AlfaV	230/3/50-60Hz (R)		41103054	**1242**
	Alfablue;AlfaV	380-460/3/50-60Hz (L,Q,R)	EC motor (always specify type unit programming required)	41101337	**2299**
	Alfablue;AlfaV	400/3/50Hz (L)		41101281	**2053**
	Alfablue;AlfaV;AlfaGreen	400/3/50-60Hz (Q)		41101271	**1196**
	Alfablue;AlfaV;AlfaGreen	400/3/50-60Hz (R)		41101272	**1216**

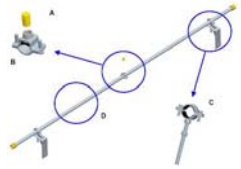
Fan speed controller													
Model		**1PH**			**3 PH**								
		S	**L**	**Q**	**S**		**L**		**Q**		**R**		
		4 M	**6 M**	**8M**	**D**	**Y**	**D**	**Y**	**D**	**Y**	**D**	**Y**
DC 500	1x500	e	e	e	a	a	a	a	a	a		
	2x500	e	e	e	a	a	a	a	a	a		
	3x500	e	e	e	a	a	a	a	a	a		
	4x500	e	e	e	a	a	a	a	a	a		
DC 630	2X630		e	e	a	a	a	a	a	a	a	a
	3X630		e	e	a	a	a	a	a	a	a	a
	4X630		e	e	b	a	a	a	a	a	a	a
DC 800	2x800				a	a	a	a	a	a	a	a
	3x800				b	a	a	a	a	a	a	a
	4x800				b	a	a	a	a	a	a	a
	5x800				c	b	b	a	a	a	a	a
DCD 800	4x800				b	a	a	a	a	a	a	a
	6x800				c	b	b	a	a	a	a	a
	8x800				c	b	c	b	a	a	a	a
	10x800				d	b	b	c	c	a	a	a
	12x800				d	b	b	c	c	a	a	a
DC 910	2X910				a	a	a	a	a	a	a	a
	3X910				a	a	a	a	a	a	a	a
	4X910				b	a	a	a	a	a	a	a
	5X910											
DCD/DCV 910	4x910				b	a	a	a	a	a	a	a
	6x910				c	a	b	a	a	a	a	a
	8x910				c	b	b	a	a	a	a	a
	10x910				d	b	c	a	a	a	a	a
	12x910				d	c	c	b	b	a	a	a
	14x910				d	c	c	b	b	a	a	a
	16x910				d	c	d	b	b	a	a	a

Index	Description	Code	RCPL
	Fan speed controller		
a	FSC 12 PR	41099961	**1295**
b	FSC 20 PR	41099962	**1443**
c	FSC 40 PR	41099963	**2326**
e	FSC 20 PR	41099972	**1032**
d	FSC 50 PR	41099968	**3653**
o	FSC 12 50/60 Hz 1000W	41099936	**216**
	Fan speed controller		
a	FSC 12 NTC	41099964	**1295**
b	FSC 20 NTC	41099965	**1551**
c	FSC 40 NTC	41099966	**2499**
e	FSC 20 NTC	41099967	**1032**
d	FSC 50 NTC	41099969	**3320**

Fan step controller		
Description	**Code**	**RCPL**
Fan step controller temp.	41002212	**341**

Sensors/Probes		
Description	**Code**	**RCPL**
Temperature sensor for EC motors & inverters	41099988	**82**
Socket for temp. sensor for ECs & inverters	41002834	**41**
Temperature sensor for FSC and fan step controller (NTC probe and probe trap.)	41099929	**79**
Pressure transducer	41099923	**260**

Spray water



		Code	RCPL		
A nozzle					
Type I		41002561	**23**		
Type II		41002560	**20**		
Type III		41002559	**20**		
B Split eyeless connectors		41002558	**42**		
C Pipe supporting stirrup		43007520	**2**		
D Pipeline		**Composed by**	**Code**	**Length**	**RCPL**
ACD_802	DCD_802	V9999897	V9999877	mm	n.a.
ACD_803	DCD_803	V9999896	V9999878	mm	**271**
ACD_804	DCD_804	V9999897+V9999895	V9999879	2585mm	**158**
ACD_805	DCD_805	V9999896+V9999895	V9999880	1275mm	n.a.
ACD_806	DCD_806	V9999896+V9999894	V9999881	5390mm	n.a.
ACD_902_1002	DCD_902_1002	V9999893	V9999882	4080mm	**308**
ACD_903_1003	DCD_903_1003	V9999893+V9999892	V9999883	2770mm	**156**
ACD_904_1004	DCD_904_1004	V9999893+V9999891	V9999884	4165mm	**278**
ACD_905_1005	DCD_905_1005	V9999893+V9999891+V9999892	V9999885	2065mm	**159**
ACV_802_902_1002	DCV_802_902_1002	V9999883	V9999886	4450mm	**278**
ACV_803_903_1003	DCV_803_903_1003	V9999882	V9999887	5215mm	**285**
ACV_804_904_1004	DCV_804_904_1004	V9999881	V9999888	3465mm	**343**
ACV_805_905_1005	DCV_805_905_1005	V9999881+V9999880	V9999889	5500mm	**285**
ACV_806_906_1006	DCV_806_906_1006	V9999881+V9999879	V9999890	3750mm	**339**
ACV_807_907_1007	DCV_807_907_1007	V9999881+V9999878	V9999891	4165mm	**353**
ACV_808_908_1008	DCV_808_908_1008	V9999881+V9999877	V9999892	2065mm	**184**
			V9999893	4450mm	**353**
			V9999894	5215mm	**302**
			V9999895	3465mm	**322**
			V9999896	5500mm	**298**
			V9999897	3750mm	**322**

Others

Image	Description	Code	RCPL
	Coil comb	n.a.	**51**
	Alpacon degreaser 25 liter	n.a.	**157**

Alfa Laval Helpman Spare Parts

Fan motors - Alfa Laval Helpman Dry coolers				
Power (W)	**Specifications**		**Article nr.**	**RCPL**
HTD-050				
370	n = 1420	230/400/50/3	30.08.73	**445**
180	n = 910	230/400/50/3	30.08.72	**505**
120	n = 690	230/400/50/3	30.08.74	**486**
35	n = 470	230/400/50/3	30.04.16	**601**
370	n = 1350	230/50/1	30.08.23	**580**
35	n = 470	230/50/1	30.04.10	**592**
180	n = variable	230/50/1	30.10.11	**601**
250	n = 1200	230/400/60/3	30.08.84	**636**
HTD-076				
750	n = 930	230/400/50/3	30.07.18	**716**
370	n = 690	230/400/50/3	30.09.28	**769**
120	n = 325	230/400/50/3	30.09.27	**1179**
750/150	n = 935/425	400/50/3	30.09.05	**1046**
750	n = variable	230/50/1	30.04.55	**1563**
750	n = 930	230/50/1	30.09.26	**848**
660	n = 840	230/400/60/3	30.07.07	**1017**
Fan unit complete HTD				
HT* 090 / 091	n = 850 / 610	400/50/3	29.14.58	**2008**
	n = 680 / 520	400/50/3	29.14.62	**1924**
	n = 860 / 660	400/50/3	29.14.60	**1636**
HT* 100	n = 670 / 520	400/50/3	29.14.54	**2104**
	n = 420 / 310	400/50/3	29.14.67	**1733**
	n = 380 / 250	400/50/3	29.14.66	**1733**
Fan unit completeODIN-DY				
630/470	n = 1500 / 1200	400/50/3	29.14.24	**807**
640	n = 1500 VAR	230/50/1	29.14.25	**807**
340	n = 1000	230/400/50/3	29.14.26	**807**
340	n = 1000 VAR	230/50/1	29.14.22	**807**
180/88	n = 750 / 650	400/50/3	29.14.21	**851**
217	n = 450	230/400/50/3	29.14.27	**881**

Fan blades						
Type	**Motor W**	**Fan blade specs.**			**Article nr.**	**RCPL**
		Diameter mm	**Angle**	**Ø Axle mm**		
HTD 050						
n= 910	180	508	32°	14	29.04.20	**99**
n= 1420	370	508	26°	14	29.04.15	**99**
HTD 076		762	27°	24	29.04.26	**406**

Fan guards					
Type	**Ø Fan blade mm**	**Ø Motor flange mm**	**Bolt**	**Article nr.**	**RCPL**
Fan guards	254	85	M6	29.15.01	**53**
Fan guards	305	85	M6	29.15.02	**64**
Fan guards	356	85	M6	29.15.07	**87**
Fan guards	406	85	M6	29.15.03	**104**
Fan guards	406	115	M8	29.15.04	**104**
Fan guards	457	115	M8	29.15.15	**129**
Fan guards	508	115	M8	29.15.05	**149**
HTD 050	508	115	M8	29.15.18	**159**

Copper		
Type	**Article nr.**	**RCPL**
Copper bends		
1/2" x 38 mm c.t.c. (TZ-TX)	42.03.05	**2**
1/2" x 76 mm c.t.c. (TX spec)	42.03.11	**5**
5/8" x 38 mm c.t.c. (Z)	42.03.01	**3**
5/8" x 50 mm c.t.c. (R)	42.03.03	**4**
Copper bottom		
22 mm	12.02.52	**2**
28 mm	12.02.53	**3**
35 mm	12.02.54	**3**
42 mm	12.02.55	**4**
54 mm	12.02.56	**5**
67 mm	12.02.57	**6**
80 mm	12.02.58	**12**

Alfa Laval Fincoil Spare Parts

Fans (fan blades and motors)

Product	pcs	3/400V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL	1/230V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL
Type		Fan		€			€	Fan		€			€
FLC(G)-1-6...3-10-M		0,5 kW, 450 rpm	22,301	**613**	911-4-30°-28	222,096	**381**						
FLC(G)-1-6...3-10-N		1,8 kW, 750 rpm	108,902	**810**	911-4-30°-28	222,096	**381**						
FLC(G)-1-6...3-10-K		2,5 kW, 1000 rpm	222,206	**698**	911-4-30°-28	222,096	**381**						
FLC(G)-1-2...3-3-K		5,5 kW, 750 rpm	E27489/220 658	**2731**	1236-6-38-42	222,175	**1282**						

Product	pcs	3/400V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL	1/230V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL
Type		Fan		€			€	Fan		€			€
SX(G)..914-350		0,14 kW, 375 rpm	222 210/222 117	**733**	911-4-28°-24	222,093	**345**						
SX(G)..914-470		0,37 kW, 500 rpm	222 209/222 139	**647**	911-4-27.5°-28	222,092	**390**						
SX(G)..914-560		0,55 kW, 600 rpm	222 208/222 138	**595**	911-4-27.5°-28	222,092	**390**						
SX(G)..914-720		1,2 kW, 750 rpm	222 207/222 137	**663**	911-4-27.5°-28	222,092	**390**						
SX(G)..914-950		2,5 kW, 1000 rpm	222,206	**698**	911-4-27.5°-28	222,092	**390**						
SX(G)..1240-350		0,75 kW, 375 rpm	184,598	**1223**	1236-6-45°-38	222,095	**765**						
SX(G)..1240-470		1,5 kW, 500 rpm	192,872	**1446**	1236-6-45°-38	222,095	**765**						
SX(G)..1240-560		3,0 kW, 600 rpm	192,807	**1674**	1236-6-45°-42	222,094	**765**						
SX(G)..1240-720		5,5 kW, 750 rpm	E27489/220 658	**2732**	1236-6-45°-42	222,094	**765**						
SX(G)..1240-950		11 kW, 1000 rpm	222,097	**2039**	1236-6-45°-42	222,094	**765**						

Product	pcs	3/400V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL	1/230V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL
Type		Fan		€			€	Fan		€			€
FBX(G)…-M1		0,14 kW, 375 rpm	222 210/222 117	**733**	762-4-26°-24	222,201	**350**						
FBX(G)…-M2		0,25 kW, 500 rpm	36,640	**689**	762-4-26°-24	222,201	**350**						
FBX(G)…-M3		0,55 kW, 600 rpm	222 208/222 138	**595**	762-4-26°-28	222,202	**350**						
FBX(G)…-N1		0,55 kW, 750 rpm	180,075	**359**	762-4-26°-24	222,201	**350**						
FBX(G)…-N2		1,2 kW, 1000 rpm	E28224	**491**	762-4-26°-24	222,201	**350**						
FBY(G)…-M2		0,14 kW, 375 rpm	222 210/222 117	**733**	911-4-28°-24	222,093	**345**						
FBY(G)…-M3		0,37 kW, 500 rpm	222 209/222 139	**647**	911-4-30°-28	222,096	**381**						
FBY(G)…-M4		0,55 kW, 600 rpm	222 208/222 138	**595**	911-4-30°-28	222,096	**381**						
FBY(G)…-N1		1,2 kW, 750 rpm	222 207/222 137	**663**	911-4-30°-28	222,096	**381**						
FBY(G)…-K		2,5 kW, 1000 rpm	222,206	**698**	911-4-27.5°-28	222,092	**390**						
FB(G)...-M2		0,14 kW, 375 rpm	222 210/222 117	**733**	911-4-28°-24	222,093	**345**						
FB(G)...-M3		0,37 kW, 500 rpm	222 209/222 139	**647**	911-4-30°-28	222,096	**381**						
FB(G)…-M4		0,55 kW, 600 rpm	222 208/222 138	**595**	911-4-30°-28	222,096	**381**						
FB(G)…-N1		1,2 kW, 750 rpm	222 207/222 137	**663**	911-4-30°-28	222,096	**381**						
FB(G)…-K		2,5 kW, 1000 rpm	222,206	**698**	911-4-27.5°-28	222,092	**390**						
FC(G)…-M2		0,14 kW, 375 rpm	222 210/222 117	**733**	911-4-28°-24	222093	**345**						
FC(G)…-M3		0,37 kW, 500 rpm	222 209/222 139	**647**	911-4-27.5°-28	222,092	**390**						
FC(G)…-M4		0,55 kW, 600 rpm	222 208/222 138	**595**	911-4-27.5°-28	222,092	**390**						
FC(G)…-N1		1,2 kW, 750 rpm	222 207/222 137	**663**	911-4-27.5°-28	222,092	**390**						
FC(G)…-N2		1,8 kW, 750 rpm	108,902	**810**	911-4-27.5°-28	222,092	**390**						
FC(G)...-K		2,5 kW, 1000 rpm	222,206	**698**	911-4-27.5°-28	222,092	**390**						

Product	pcs	3/400V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL	1/230V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL
Type		Fan		€			€	Fan		€			€
FLB(G)-1…8M		0,5 kW, 450 rpm	22,301	**613**	911-4-30°-28	222,096	**381**						
FLB(G)-1N		1,2 kW, 750 rpm	222 207/222 137	**663**	911-4-30°-28	222,096	**381**						
FLB(G)-2…8N		1,8 kW, 750 rpm	108,902	**810**	911-4-30°-28	222,096	**381**						
FLB(G)-1…8K		2,5 kW, 1000 rpm	222,206	**698**	911-4-30°-28	222,096	**381**						
FL(G)-1	2	0,25 kW, 1500 rpm	108,860	**302**	510-4-35°-14	222,112	**184**						
FL(G)-2	2	0,25 kW, 1000 rpm	111,757	**364**	610-5-30°-14	222,191	**302**						
FL(G)-3	2	0,55 kW, 1000 rpm	109,058	**377**	610-8-45°-19	222,110	**229**						
FL(G)-4	3	0,55 kW, 1000 rpm	109,058	**377**	610-8-45°-19	222,110	**229**						
FL(G)-5	2	1,2 kW, 750 rpm	222 207/222 137	**663**	911-4-30°-28	222,096	**381**						
FL(G)-6	2	1,8 kW, 750 rpm	108,902	**810**	911-4-30°-28	222,096	**381**						
FL(G)-7	3	1,2 kW, 750 rpm	222 207/222 137	**663**	911-4-30°-28	222,096	**381**						
FL(G)-8	4	1,8 kW, 750 rpm	108,902	**810**	911-4-30°-28	222,096	**381**						
FL(G)-9	4	1,8 kW, 750 rpm	108,902	**810**	911-4-30°-28	222,096	**381**						

Product	pcs	3/400V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL	1/230V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL
Type		Fan		€			€	Fan		€			€
FLM(G)-1	2	0,09 kW, 1000 rpm	217,174	**316**	510-4-35°-14	222,112	**184**						
FLM(G)-2	2	0,25 kW, 750 rpm	111,765	**353**	610-8-45°-19	222,110	**229**						
FLM(G)-3	2	0,25 kW, 750 rpm	111,765	**353**	610-8-45°-19	222,110	**229**						
FLM(G)-4	3	0,25 kW, 750 rpm	111,765	**353**	610-8-45°-19	222,110	**229**						
FLM(G)-5	2	0,5 kW, 450 rpm	22,301	**613**	911-4-30°-28	222,096	**381**						
FLM(G)-6	2	0,5 kW, 450 rpm	22,301	**613**	911-4-30°-28	222,096	**381**						
FLM(G)-7	3	0,5 kW, 450 rpm	22,301	**613**	911-4-30°-28	222,096	**381**						
FLM(G)-8	4	0,5 kW, 450 rpm	22,301	**613**	911-4-30°-28	222,096	**381**						
FLM(G)-9	4	0,5 kW, 450 rpm	22,301	**613**	911-4-30°-28	222,096	**381**						

Product	pcs	3/400V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL	1/230V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL
Type		Fan		€			€	Fan		€			€
FLA(G)-1N	1	0,25 kW, 1500 rpm	108,860	**302**	406-4-22°-14	77,206	**107**	0,12 kW, 1500 rpm	106,120	**476**	406-4-22°-14	77,206	**107**
FLA(G)-2N	1	0,25 kW, 1500 rpm	108,860	**302**	406-4-22°-14	77,206	**107**	0,12 kW, 1500 rpm	106,120	**476**	406-4-22°-14	77,206	**107**
FLA(G)-3N	1	0,25 kW, 1500 rpm	108,860	**302**	510-4-35°-14	222,112	**184**	0,25 kW, 1500 rpm	22,319	**371**	510-4-35°-14	222,112	**184**
FLA(G)-4N	1	0,25 kW, 1500 rpm	108,860	**302**	510-4-35°-14	222,112	**184**	0,25 kW, 1500 rpm	22,319	**371**	510-4-35°-14	222,112	**184**
FLA(G)-5N	2	0,25 kW, 1500 rpm	108,860	**302**	406-4-22°-14	77,206	**107**	0,12 kW, 1500 rpm	106,120	**476**	406-4-22°-14	77,206	**107**
FLA(G)-6N	2	0,25 kW, 1500 rpm	108,860	**302**	510-4-35°-14	222,112	**184**	0,25 kW, 1500 rpm	22,319	**371**	510-4-35°-14	222,112	**184**
FLA(G)-7N	2	0,25 kW, 1500 rpm	108,860	**302**	510-4-35°-14	222,112	**184**	0,25 kW, 1500 rpm	22,319	**371**	510-4-35°-14	222,112	**184**
FLA(G)-8N	3	0,25 kW, 1500 rpm	108,860	**302**	510-4-35°-14	222,112	**184**	0,25 kW, 1500 rpm	22,319	**371**	510-4-35°-14	222,112	**184**
FLA(G)-9N	2	0,55 kW, 1000 rpm	109,058	**377**	610-8-45°-19	222,110	**230**						
FLA(G)-10N	3	0,55 kW, 1000 rpm	109,058	**377**	610-8-45°-19	222,110	**230**						
FLA(G)-1M	1	0,09 kW, 1000 rpm	217,174	**316**	406-4-22°-14	77,206	**107**	0,09 kW, 1000 rpm	33,316	**466**	406-4-22°-14	77,206	**107**
FLA(G)-2M	1	0,09 kW, 1000 rpm	217,174	**316**	406-4-32°-14	2,014	**107**	0,09 kW, 1000 rpm	33,316	**466**	406-4-32°-14	2,014	**107**
FLA(G)-3M	1	0,09 kW, 1000 rpm	217,174	**316**	510-4-35°-14	222,112	**184**	0,09 kW, 1000 rpm	33,316	**466**	510-4-35°-14	222,112	**184**
FLA(G)-4M	1	0,09 kW, 1000 rpm	217,174	**316**	510-4-35°-14	222,112	**184**	0,09 kW, 1000 rpm	33,316	**466**	510-4-35°-14	222,112	**184**
FLA(G)-5M	2	0,09 kW, 1000 rpm	217,174	**316**	406-4-32°-14	2,014	**107**	0,09 kW, 1000 rpm	33,316	**466**	406-4-32°-14	2,014	**107**
FLA(G)-6M	2	0,09 kW, 1000 rpm	217,174	**316**	510-4-35°-14	222,112	**184**	0,09 kW, 1000 rpm	33,316	**466**	510-4-35°-14	222,112	**184**
FLA(G)-7M	2	0,09 kW, 1000 rpm	217,174	**316**	510-4-35°-14	222,112	**184**	0,09 kW, 1000 rpm	33,316	**466**	510-4-35°-14	222,112	**184**
FLA(G)-8M	3	0,09 kW, 1000 rpm	217,174	**316**	510-4-35°-14	222,112	**184**	0,09 kW, 1000 rpm	33,316	**466**	510-4-35°-14	222,112	**184**
FLA(G)-9M	2	0,25 kW, 750 rpm	111,765	**353**	610-8-45°-19	222,110	**230**						
FLA(G)-10M	3	0,25 kW, 750 rpm	111,765	**353**	610-8-45°-19	222,110	**230**						

Product	pcs	3/400V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL	1/230V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL
Type		Fan		€			€	Fan		€			€
FA(G)-1-4D/4Y	1	S4D350-AA06-09	178,863	**291**				S4E350-AP06-61	222,061	**229**			
FA(G)-2-4D/4Y	1	S4D350-AA06-09	178,863	**291**				S4E350-AP06-61	222,061	**229**			
FA(G)-3-4D/4Y	1	FB045-VDK4C6P	178,913	**308**				FB045-4EK4F6P	184,416	**331**			
FA(G)-4-4D/4Y	1	FB045-VDK4C6P	178,913	**308**				FB045-4EK4F6P	184,416	**331**			
FA(G)-5-4D/4Y	1	AFK500-30/4-4T-B	222,058	**323**									
FA(G)-6-4D/4Y	1	AFK560-25/4-4T-B	222,005	**369**									
FA(G)-7-4D/4Y	2	FB045-VDK4C6P	178,913	**308**				FB045-4EK4F6P	184,416	**331**			
FA(G)-8-4D/4Y	2	AFK500-30/4-4T-B	222,058	**323**									
FA(G)-9-4D/4Y	2	AFK560-25/4-4T-B	222,005	**369**									
FA(G)-10-4D/4Y	3	AFK500-30/4-4T-B	222,058	**323**									
FA(G)-11-4D/4Y	3	AFK560-25/4-4T-B	222,005	**369**									
FA(G)-12-4D/4Y	4	AFK500-30/4-4T-B	222,058	**323**									
FA(G)-13-4D/4Y	4	AFK560-25/4-4T-B	222,005	**369**									
FA(G)-14-4D/4Y	4	AFK560-25/4-4T-B	222,005	**369**									
FA(G)-15-4D/4Y	6	AFK500-30/4-4T-B	222,058	**323**									
FA(G)-16-4D/4Y	6	AFK500-30/4-4T-B	222,058	**323**									
FA(G)-17-4D/4Y	6	AFK500-30/4-4T-B	222,058	**323**									
FA(G)-18-4D/4Y	6	AFK560-25/4-4T-B	222,005	**369**									
FA(G)-1-6D/6Y	1	FB035-SDK2C6S	178,905	**297**									
FA(G)-2-6D/6Y	1	FB035-SDK2C6S	178,905	**297**									
FA(G)-3-6D/6Y	1	FB045-SDK4C6P	178,921	**308**									
FA(G)-4-6D/6Y	1	FB045-SDK4C6P	178,921	**308**									
FA(G)-5-6D/6Y	1	FB050-SDK4C6P	178,947	**318**									
FA(G)-6-6D/6Y	1	FB056-SDK4F6L	178,962	**345**									
FA(G)-7-6D/6Y	2	FB045-SDK4C6P	178,921	**308**									
FA(G)-8-6D/6Y	2	FB050-SDK4C6P	178,947	**318**									
FA(G)-9-6D/6Y	2	FB056-SDK4F6L	178,962	**345**									
FA(G)-10-6D/6Y	3	FB050-SDK4C6P	178,947	**318**									
FA(G)-11-6D/6Y	3	FB056-SDK4F6L	178,962	**345**									
FA(G)-12-6D/6Y	4	FB050-SDK4C6P	178,947	**318**									
FA(G)-13-6D/6Y	4	FB056-SDK4F6L	178,962	**345**									
FA(G)-14-6D/6Y	4	FB056-SDK4F6L	178,962	**345**									
FA(G)-15-6D/6Y	6	FB050-SDK4C6P	178,947	**318**									
FA(G)-16-6D/6Y	6	FB050-SDK4C6P	178,947	**318**									
FA(G)-17-6D/6Y	6	FB050-SDK4C6P	178,947	**318**									
FA(G)-18-6D/6Y	6	FB056-SDK4F6L	178,962	**345**									

Product	pcs	3/400V	Part n:o	RCPL	Fan blade	Part n:o	RCPL	1/230V	Part n:o	RCPL	Fan blade	Part n:o	RCPL
		Motor						Motor					
Type		Fan		€			€	Fan		€			€
SJ-1-1400/1150	1	S4D350-AA06-09	178,863	**291**				S4E350-AP06-61	222,061	**230**			
SJ-2-1400/1150	1	S4D350-AA06-09	178,863	**291**				S4E350-AP06-61	222,061	**230**			
SJ-3-1400/1150	2	S4D350-AA06-09	178,863	**291**				S4E350-AP06-61	222,061	**230**			
SJ-4-1400/1150	2	S4D350-AA06-09	178,863	**291**				S4E350-AP06-61	222,061	**230**			
SJ-5-1400/1150	1	AFK500-30/4-4T-B	222,058	**323**				AFK500-30/4M-B	222,037	**323**			
SJ-6-1400/1150	3	S4D350-AA06-09	178,863	**291**				S4E350-AP06-61	222,061	**230**			
SJ-7-1400/1150	1	AFK500-30/4-4T-B	222,058	**323**				AFK500-30/4M-B	222,037	**323**			
SJ-8-1400/1150	3	S4D350-AA06-09	178,863	**291**				S4E350-AP06-61	222,061	**230**			
SJ-9-1400/1150	1	AFK630-25/4-4T-B	222,039	**376**									
SJ-10-1400/1150	1	AFK630-25/4-4T-B	222,039	**376**									
SJ-11-1400/1150	2	AFK500-30/4-4T-B	222,058	**323**				AFK500-30/4M-B	222,037	**323**			
SJ-12-1400/1150	2	AFK500-30/4-4T-B	222,058	**323**				AFK500-30/4M-B	222,037	**323**			
SJ-13-1400/1150	3	AFK500-30/4-4T-B	222,058	**323**				AFK500-30/4M-B	222,037	**323**			
SJ-14-1400/1150	2	AFK630-25/4-4T-B	222,039	**376**									
SJ-15-1400/1150	3	AFK500-30/4-4T-B	222,058	**323**				AFK500-30/4M-B	222,037	**323**			
SJ-16-1400/1150	2	AFK630-25/4-4T-B	222,039	**376**									
SJ-17-1400/1150	3	AFK630-25/4-4T-B	222,039	**376**									
SJ-18-1400/1150	6	AFK500-30/4-4T-B	222,058	**323**				AFK500-30/4M-B	222,037	**323**			
SJ-19-1400/1150	3	AFK630-25/4-4T-B	222,039	**376**									
SJ-20-1400/1150	4	AFK630-25/4-4T-B	222,039	**376**									
SJ-21-1400/1150	6	AFK500-30/4-4T-B	222,058	**323**				AFK500-30/4M-B	222,037	**323**			
SJ-22-1400/1150	4	AFK630-25/4-4T-B	222,039	**376**									
SJ-23-1400/1150	6	AFK630-25/4-4T-B	222,039	**376**									
SJ-24-1400/1150	6	AFK630-25/4-4T-B	222,039	**376**									
SJ-25-1400/1150	8	AFK630-25/4-4T-B	222,039	**376**									
SJ-26-1400/1150	8	AFK630-25/4-4T-B	222,039	**376**									
SJ-1-900/700													
SJ-2-900/700													
SJ-3-900/700													
SJ-4-900/700													
SJ-5-900/700	1	AFK500-30/6-6T-B	222,059	**306**									
SJ-6-900/700													
SJ-7-900/700	1	AFK500-30/6-6T-B	222,059	**306**									
SJ-8-900/700													
SJ-9-900/700	1	AFK630-30/6-6T-B	222,040	**355**				AFK630-30/6M-B	222,038	**365**			
SJ-10-900/700	1	AFK630-30/6-6T-B	222,040	**355**				AFK630-30/6M-B	222,038	**365**			
SJ-11-900/700	2	AFK500-30/6-6T-B	222,059	**306**									
SJ-12-900/700	2	AFK500-30/6-6T-B	222,059	**306**									
SJ-13-900/700	3	AFK500-30/6-6T-B	222,059	**306**									
SJ-14-900/700	2	AFK630-30/6-6T-B	222,040	**355**				AFK630-30/6M-B	222,038	**365**			
SJ-15-900/700	3	AFK500-30/6-6T-B	222,059	**306**									
SJ-16-900/700	2	AFK630-30/6-6T-B	222,040	**355**				AFK630-30/6M-B	222,038	**365**			
SJ-17-900/700	3	AFK630-30/6-6T-B	222,040	**355**				AFK630-30/6M-B	222,038	**365**			
SJ-18-900/700	6	AFK500-30/6-6T-B	222,059	**306**									
SJ-19-900/700	3	AFK630-30/6-6T-B	222,040	**355**				AFK630-30/6M-B	222,038	**365**			
SJ-20-900/700	4	AFK630-30/6-6T-B	222,040	**355**				AFK630-30/6M-B	222,038	**365**			
SJ-21-900/700	6	AFK500-30/6-6T-B	222,059	**306**									
SJ-22-900/700	4	AFK630-30/6-6T-B	222,040	**355**				AFK630-30/6M-B	222,038	**365**			
SJ-23-900/700	6	AFK630-30/6-6T-B	222,040	**355**				AFK630-30/6M-B	222,038	**365**			
SJ-24-900/700	6	AFK630-30/6-6T-B	222,040	**355**				AFK630-30/6M-B	222,038	**365**			
SJ-25-900/700	8	AFK630-30/6-6T-B	222,040	**355**				AFK630-30/6M-B	222,038	**365**			
SJ-26-900/700	8	AFK630-30/6-6T-B	222,040	**355**				AFK630-30/6M-B	222,038	**365**			

Product	pcs	3/400V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL	1/230V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL
Type		Fan		€			€	Fan		€			€
SJ-101-1400-4Y	1	S4D350-AA06-09	178,863	**291**				S4E350-AP06-61	222,061	**230**			
SJ-102-1400-4Y	1	S4D350-AA06-09	178,863	**291**				S4E350-AP06-61	222,061	**230**			
SJ-103-1400-4Y	1	S4D350-AA06-09	178,863	**291**				S4E350-AP06-61	222,061	**230**			
SJ-104-1400-4Y	2	S4D350-AA06-09	178,863	**291**				S4E350-AP06-61	222,061	**230**			
SJ-105-1400-4Y	2	S4D350-AA06-09	178,863	**291**				S4E350-AP06-61	222,061	**230**			
SJ-106-1400-4Y	2	S4D350-AA06-09	178,863	**291**				S4E350-AP06-61	222,061	**230**			
SJ-107-1400-4Y	3	S4D350-AA06-09	178,863	**291**				S4E350-AP06-61	222,061	**230**			
SJ-108-1400-4Y	3	S4D350-AA06-09	178,863	**291**				S4E350-AP06-61	222,061	**230**			
SJ-109-1400-4Y	3	S4D350-AA06-09	178,863	**291**				S4E350-AP06-61	222,061	**230**			
SJ-110-1400/1150	1	AFK500-30/4-4T-B	222,058	**323**				AFK500-30/4M-B	222,037	**323**	(*)		
SJ-111-1400/1150	1	AFK500-30/4-4T-B	222,058	**323**				AFK500-30/4M-B	222,037	**323**	(*)		
SJ-112-1400/1150	1	AFK500-30/4-4T-B	222,058	**323**				AFK500-30/4M-B	222,037	**323**	(*)		
SJ-113-1400/1150	2	AFK500-30/4-4T-B	222,058	**323**				AFK500-30/4M-B	222,037	**323**	(*)		
SJ-114-1400/1150	2	AFK500-30/4-4T-B	222,058	**323**				AFK500-30/4M-B	222,037	**323**	(*)		
SJ-115-1400/1150	2	AFK500-30/4-4T-B	222,058	**323**				AFK500-30/4M-B	222,037	**323**	(*)		
SJ-116-1400/1150	3	AFK500-30/4-4T-B	222,058	**323**				AFK500-30/4M-B	222,037	**323**	(*)		
SJ-117-1400/1150	3	AFK500-30/4-4T-B	222,058	**323**				AFK500-30/4M-B	222,037	**323**	(*)		
SJ-118-1400/1150	3	AFK500-30/4-4T-B	222,058	**323**				AFK500-30/4M-B	222,037	**323**	(*)		
SJ-119-1400/1150	1	AFK630-25/4-4T-B	222,039	**376**									
SJ-120-1400/1150	1	AFK630-25/4-4T-B	222,039	**376**									
SJ-121-1400/1150	1	AFK630-25/4-4T-B	222,039	**376**									
SJ-122-1400/1150	2	AFK630-25/4-4T-B	222,039	**376**									
SJ-123-1400/1150	2	AFK630-25/4-4T-B	222,039	**376**									
SJ-124-1400/1150	2	AFK630-25/4-4T-B	222,039	**376**									
SJ-125-1400/1150	4	AFK500-30/4-4T-B	222,058	**323**				AFK500-30/4M-B	222,037	**323**			
SJ-126-1400/1150	4	AFK500-30/4-4T-B	222,058	**323**				AFK500-30/4M-B	222,037	**323**			
SJ-127-1400/1150	4	AFK500-30/4-4T-B	222,058	**323**				AFK500-30/4M-B	222,037	**323**			
SJ-128-1400/1150	3	AFK630-25/4-4T-B	222,039	**376**									
SJ-129-1400/1150	3	AFK630-25/4-4T-B	222,039	**376**									
SJ-130-1400/1150	3	AFK630-25/4-4T-B	222,039	**376**									
SJ-131-1400/1150	4	AFK630-25/4-4T-B	222,039	**376**									
SJ-132-1400/1150	4	AFK630-25/4-4T-B	222,039	**376**									
SJ-133-1400/1150	4	AFK630-25/4-4T-B	222,039	**376**									
SJ-134-1400 (ei 4Y)	5	AFK630-25/4-4T-B	222,039	**376**									
SJ-135-1400 (ei 4Y)	5	AFK630-25/4-4T-B	222,039	**376**									
SJ-136-1400 (ei 4Y)	5	AFK630-25/4-4T-B	222,039	**376**									
SJ-137-1400 (ei 4Y)	6	AFK630-25/4-4T-B	222,039	**376**									
SJ-138-1400 (ei 4Y)	6	AFK630-25/4-4T-B	222,039	**376**									
SJ-139-1400 (ei 4Y)	6	AFK630-25/4-4T-B	222,039	**376**									
SJ-134-1400/1150	5	AFQ630-25/4-4T-B	222,131	**550**									
SJ-135-1400/1150	5	AFQ630-25/4-4T-B	222,131	**550**									
SJ-136-1400/1150	5	AFQ630-25/4-4T-B	222,131	**550**									
SJ-137-1400/1150	6	AFQ630-25/4-4T-B	222,131	**550**									
SJ-138-1400/1150	6	AFQ630-25/4-4T-B	222,131	**550**									
SJ-139-1400/1150	6	AFQ630-25/4-4T-B	222,131	**550**									

(*): Only 1400 rpm

Product	pcs	3/400V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL	1/230V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL
Type		Fan		€			€	Fan		€			€
SJ-101-900/700	1	FB035-SDK2C6S	178,905	**297**									
SJ-102-900/700	1	FB035-SDK2C6S	178,905	**297**									
SJ-103-900/700	1	FB035-SDK2C6S	178,905	**297**									
SJ-104-900/700	2	FB035-SDK2C6S	178,905	**297**									
SJ-105-900/700	2	FB035-SDK2C6S	178,905	**297**									
SJ-106-900/700	2	FB035-SDK2C6S	178,905	**297**									
SJ-107-900/700	3	FB035-SDK2C6S	178,905	**297**									
SJ-108-900/700	3	FB035-SDK2C6S	178,905	**297**									
SJ-109-900/700	3	FB035-SDK2C6S	178,905	**297**									
SJ-110-900/700	1	AFK500-30/6-6T-B	222,059	**306**									
SJ-111-900/700	1	AFK500-30/6-6T-B	222,059	**306**									
SJ-112-900/700	1	AFK500-30/6-6T-B	222,059	**306**									
SJ-113-900/700	2	AFK500-30/6-6T-B	222,059	**306**									
SJ-114-900/700	2	AFK500-30/6-6T-B	222,059	**306**									
SJ-115-900/700	2	AFK500-30/6-6T-B	222,059	**306**									
SJ-116-900/700	3	AFK500-30/6-6T-B	222,059	**306**									
SJ-117-900/700	3	AFK500-30/6-6T-B	222,059	**306**									
SJ-118-900/700	3	AFK500-30/6-6T-B	222,059	**306**									
SJ-119-900/700	1	AFK630-30/6-6T-B	222,040	**355**				AFK630-30/6M-B	222,038	**365**	(*)		
SJ-120-900/700	1	AFK630-30/6-6T-B	222,040	**355**				AFK630-30/6M-B	222,038	**365**	(*)		
SJ-121-900/700	1	AFK630-30/6-6T-B	222,040	**355**				AFK630-30/6M-B	222,038	**365**	(*)		
SJ-122-900/700	2	AFK630-30/6-6T-B	222,040	**355**				AFK630-30/6M-B	222,038	**365**	(*)		
SJ-123-900/700	2	AFK630-30/6-6T-B	222,040	**355**				AFK630-30/6M-B	222,038	**365**	(*)		
SJ-124-900/700	2	AFK630-30/6-6T-B	222,040	**355**				AFK630-30/6M-B	222,038	**365**	(*)		
SJ-125-900/700	4	AFK500-30/6-6T-B	222,059	**306**									
SJ-126-900/700	4	AFK500-30/6-6T-B	222,059	**306**									
SJ-127-900/700	4	AFK500-30/6-6T-B	222,059	**306**									
SJ-128-900/700	3	AFK630-30/6-6T-B	222,040	**355**				AFK630-30/6M-B	222,038	**365**	(*)		
SJ-129-900/700	3	AFK630-30/6-6T-B	222,040	**355**				AFK630-30/6M-B	222,038	**365**	(*)		
SJ-130-900/700	3	AFK630-30/6-6T-B	222,040	**355**				AFK630-30/6M-B	222,038	**365**	(*)		
SJ-131-900/700	4	AFK630-30/6-6T-B	222,040	**355**				AFK630-30/6M-B	222,038	**365**	(*)		
SJ-132-900/700	4	AFK630-30/6-6T-B	222,040	**355**				AFK630-30/6M-B	222,038	**365**	(*)		
SJ-133-900/700	4	AFK630-30/6-6T-B	222,040	**355**				AFK630-30/6M-B	222,038	**365**	(*)		
SJ-134-900/700	5	AFK630-30/6-6T-B	222,040	**355**				AFK630-30/6M-B	222,038	**365**	(*)		
SJ-135-900/700	5	AFK630-30/6-6T-B	222,040	**355**				AFK630-30/6M-B	222,038	**365**	(*)		
SJ-136-900/700	5	AFK630-30/6-6T-B	222,040	**355**				AFK630-30/6M-B	222,038	**365**	(*)		
SJ-137-900/700	6	AFK630-30/6-6T-B	222,040	**355**				AFK630-30/6M-B	222,038	**365**	(*)		
SJ-138-900/700	6	AFK630-30/6-6T-B	222,040	**355**				AFK630-30/6M-B	222,038	**365**	(*)		
SJ-139-900/700	6	AFK630-30/6-6T-B	222,040	**355**				AFK630-30/6M-B	222,038	**365**	(*)		

(*): Only 1400 rpm

Product	pcs	3/400V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL	1/230V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL
Type		Fan		€			€	Fan		€			€
SJ-119-1400/1150-VC	1	AFQ630-25/4-4T-B	222,131	**550**									
SJ-120-1400/1150-VC	1	AFQ630-25/4-4T-B	222,131	**550**									
SJ-121-1400/1150-VC	1	AFQ630-25/4-4T-B	222,131	**550**									
SJ-122-1400/1150-VC	2	AFQ630-25/4-4T-B	222,131	**550**									
SJ-123-1400/1150-VC	2	AFQ630-25/4-4T-B	222,131	**550**									
SJ-124-1400/1150-VC	2	AFQ630-25/4-4T-B	222,131	**550**									
SJ-128-1400/1150-VC	3	AFQ630-25/4-4T-B	222,131	**550**									
SJ-129-1400/1150-VC	3	AFQ630-25/4-4T-B	222,131	**550**									
SJ-130-1400/1150-VC	3	AFQ630-25/4-4T-B	222,131	**550**									
SJ-131-1400/1150-VC	4	AFQ630-25/4-4T-B	222,131	**550**									
SJ-132-1400/1150-VC	4	AFQ630-25/4-4T-B	222,131	**550**									
SJ-133-1400/1150-VC	4	AFQ630-25/4-4T-B	222,131	**550**									
SJ-134-1400/1150-VC	5	AFQ630-25/4-4T-B	222,131	**550**									
SJ-135-1400/1150-VC	5	AFQ630-25/4-4T-B	222,131	**550**									
SJ-136-1400/1150-VC	5	AFQ630-25/4-4T-B	222,131	**550**									
SJ-137-1400/1150-VC	6	AFQ630-25/4-4T-B	222,131	**550**									
SJ-138-1400/1150-VC	6	AFQ630-25/4-4T-B	222,131	**550**									
SJ-139-1400/1150-VC	6	AFQ630-25/4-4T-B	222,131	**550**									

Product	pcs	3/400V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL	1/230V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL
Type		Fan		€			€	Fan		€			€
SJG-5-1400/1150	1	AFK500-30/4-4T-B	222,058	**323**				AFK500-30/4M-B	222,037	**323**			
SJG-7-1400/1150	1	AFK500-30/4-4T-B	222,058	**323**				AFK500-30/4M-B	222,037	**323**			
SJG-9-1400/1150	1	AFK630-25/4-4T-B	222,039	**376**									
SJG-10-1400/1150	1	AFK630-25/4-4T-B	222,039	**376**									
SJG-11-1400/1150	2	AFK500-30/4-4T-B	222,058	**323**				AFK500-30/4M-B	222,037	**323**			
SJG-12-1400/1150	2	AFK500-30/4-4T-B	222,058	**323**				AFK500-30/4M-B	222,037	**323**			
SJG-13-1400/1150	3	AFK500-30/4-4T-B	222,058	**323**				AFK500-30/4M-B	222,037	**323**			
SJG-14-1400/1150	2	AFK630-25/4-4T-B	222,039	**376**									
SJG-15-1400/1150	3	AFK500-30/4-4T-B	222,058	**323**				AFK500-30/4M-B	222,037	**323**			
SJG-16-1400/1150	2	AFK630-25/4-4T-B	222,039	**376**									
SJG-17-1400/1150	3	AFK630-25/4-4T-B	222,039	**376**									
SJG-19-1400/1150	3	AFK630-25/4-4T-B	222,039	**376**									
SJG-20-1400/1150	4	AFK630-25/4-4T-B	222,039	**376**									
SJG-22-1400/1150	4	AFK630-25/4-4T-B	222,039	**376**									
SJG-27-1400	5	AFK630-25/4-4T-B	222,039	**376**									
SJG-28-1400	5	AFK630-25/4-4T-B	222,039	**376**									
SJG-29-1400	6	AFK630-25/4-4T-B	222,039	**376**									
SJG-30-1400	6	AFK630-25/4-4T-B	222,039	**376**									
SJG-27-1150	5	AFQ630-25/4-4T-B	222,131	**550**									
SJG-28-1150	5	AFQ630-25/4-4T-B	222,131	**550**									
SJG-29-1150	6	AFQ630-25/4-4T-B	222,131	**550**									
SJG-30-1150	6	AFQ630-25/4-4T-B	222,131	**550**									
SJG-5-900/700	1	AFK500-30/6-6T-B	222,059	**306**									
SJG-7-900/700	1	AFK500-30/6-6T-B	222,059	**306**									
SJG-9-900/700	1	AFK630-30/6-6T-B	222,040	**355**				AFK630-30/6M-B	222,038	**365**			
SJG-10-900/700	1	AFK630-30/6-6T-B	222,040	**355**				AFK630-30/6M-B	222,038	**365**			
SJG-11-900/700	2	AFK500-30/6-6T-B	222,059	**306**									
SJG-12-900/700	2	AFK500-30/6-6T-B	222,059	**306**									
SJG-13-900/700	3	AFK500-30/6-6T-B	222,059	**306**									
SJG-14-900/700	2	AFK630-30/6-6T-B	222,040	**355**				AFK630-30/6M-B	222,038	**365**			
SJG-15-900/700	3	AFK500-30/6-6T-B	222,059	**306**									
SJG-16-900/700	2	AFK630-30/6-6T-B	222,040	**355**				AFK630-30/6M-B	222,038	**365**			
SJG-17-900/700	3	AFK630-30/6-6T-B	222,040	**355**				AFK630-30/6M-B	222,038	**365**			
SJG-19-900/700	3	AFK630-30/6-6T-B	222,040	**355**				AFK630-30/6M-B	222,038	**365**			
SJG-20-900/700	4	AFK630-30/6-6T-B	222,040	**355**				AFK630-30/6M-B	222,038	**365**			
SJG-22-900/700	4	AFK630-30/6-6T-B	222,040	**355**				AFK630-30/6M-B	222,038	**365**			
SJG-27-900/700	5	AFK630-30/6-6T-B	222,040	**355**				AFK630-30/6M-B	222,038	**365**			
SJG-28-900/700	5	AFK630-30/6-6T-B	222,040	**355**				AFK630-30/6M-B	222,038	**365**			
SJG-29-900/700	6	AFK630-30/6-6T-B	222,040	**355**				AFK630-30/6M-B	222,038	**365**			
SJG-30-900/700	6	AFK630-30/6-6T-B	222,040	**355**				AFK630-30/6M-B	222,038	**365**			
SJG-9-1400/1150-VC	1	AFQ630-25/4-4T-B	222,131	**550**									
SJG-10-1400/1150-VC	1	AFQ630-25/4-4T-B	222,131	**550**									
SJG-14-1400/1150-VC	2	AFQ630-25/4-4T-B	222,131	**550**									
SJG-16-1400/1150-VC	2	AFQ630-25/4-4T-B	222,131	**550**									
SJG-17-1400/1150-VC	3	AFQ630-25/4-4T-B	222,131	**550**									
SJG-19-1400/1150-VC	3	AFQ630-25/4-4T-B	222,131	**550**									
SJG-20-1400/1150-VC	4	AFQ630-25/4-4T-B	222,131	**550**									
SJG-22-1400/1150-VC	4	AFQ630-25/4-4T-B	222,131	**550**									
SJG-27-1400/1150-VC	5	AFQ630-25/4-4T-B	222,131	**550**									
SJG-28-1400/1150-VC	5	AFQ630-25/4-4T-B	222,131	**550**									
SJG-29-1400/1140-VC	6	AFQ630-25/4-4T-B	222,131	**550**									
SJG-30-1400/1140-VC	6	AFQ630-25/4-4T-B	222,131	**550**									

Product	pcs	3/400V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL	1/230V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL
Type		Fan		€			€	Fan		€			€
SJM-1-1400/1150	5	AFK630-25/4-4T-B	222,039	**376**									
SJM-2-1400/1150	5	AFK630-25/4-4T-B	222,039	**376**									
SJM-3-1400/1150	6	AFK630-25/4-4T-B	222,039	**376**									
SJM-4-1400/1150	6	AFK630-25/4-4T-B	222,039	**376**									
SJM-1-900/700	5	AFK630-30/6-6T-B	222,040	**355**				AFK630-30/6M-B	222,038	**365**			
SJM-2-900/700	5	AFK630-30/6-6T-B	222,040	**355**				AFK630-30/6M-B	222,038	**365**			
SJM-3-900/700	6	AFK630-30/6-6T-B	222,040	**355**				AFK630-30/6M-B	222,038	**365**			
SJM-4-900/700	6	AFK630-30/6-6T-B	222,040	**355**				AFK630-30/6M-B	222,038	**365**			

Product	pcs	3/400V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL	1/230V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL
Type		Fan		€			€	Fan		€			€
HHLA-17	2	0,55 kW, 1500 rpm	108,886	**385**	502-8-40-19	222,109	**268**						
HHLA-25	2	0,55 kW, 1500 rpm	108,886	**385**	502-8-40-19	222,109	**268**						
HHLA-31	3	0,55 kW, 1500 rpm	108,886	**385**	502-8-40-19	222,109	**268**						
HHLA-41	2	1,5 kW, 1500 rpm	108,894	**399**	610-5-35°-24	E32418	**329**						
HHLA-52	3	1,5 kW, 1500 rpm	108,894	**399**	610-5-35°-24	E32418	**329**						
HHLA-73	3	1,5 kW, 1500 rpm	108,894	**399**	610-5-35°-24	E32418	**329**						
HHLA-96	4	1,5 kW, 1500 rpm	108,894	**399**	610-5-35°-24	E32418	**329**						
HHLA-136	4	1,5 kW, 1500 rpm	108,894	**399**	610-5-35°-24	E32418	**329**						
HHLA-163	6	1,5 kW, 1500 rpm	108,894	**399**	610-5-35°-24	E32418	**329**						
HHLA-218	8	1,5 kW, 1500 rpm	108,894	**399**	610-5-35°-24	E32418	**329**						
HHLA-260	8	1,5 kW, 1500 rpm	108,894	**399**	610-5-35°-24	E32418	**329**						
HHLA-319	6	2,5 kW, 1000 rpm	222,206	**698**	911-4-27.5°-28	222,092	**391**						
HHLA-350	8	1,8 kW, 1000 rpm			800-5-38°-28	97,980	**431**						
HHLA-1	2	0,55 kW, 1500 rpm	108,886	**385**	502-8-40-19	222109	**268**						
HHLA-2	2	0,55 kW, 1500 rpm	108,886	**385**	502-8-40-19	222109	**268**						
HHLA-3	3	0,55 kW, 1500 rpm	108,886	**385**	502-8-40-19	222109	**268**						
HHLA-4	2	1,5 kW, 1500 rpm	108,894	**399**	610-5-35°-24	E32418	**329**						
HHLA-5	3	1,5 kW, 1500 rpm	108,894	**399**	610-5-35°-24	E32418	**329**						
HHLA-6	3	1,5 kW, 1500 rpm	108,894	**399**	610-5-35°-24	E32418	**329**						
HHLA-7	4	1,5 kW, 1500 rpm	108,894	**399**	610-5-35°-24	E32418	**329**						
HHLA-8	4	1,5 kW, 1500 rpm	108,894	**399**	610-5-35°-24	E32418	**329**						
HHLA-9	6	1,5 kW, 1500 rpm	108,894	**399**	610-5-35°-24	E32418	**329**						
HHLA-10	8	1,5 kW, 1500 rpm	108,894	**399**	610-5-35°-24	E32418	**329**						
HHLA-11	8	1,5 kW, 1500 rpm	108,894	**399**	610-5-35°-24	E32418	**329**						
HHLA-12	6	2,5 kW, 1000 rpm	222,206	**698**	911-4-27.5°-28	222092	**391**						
HHLA-13	6	2,5 kW, 1000 rpm	222,206	**698**	911-4-27.5°-28	222092	**391**						

Product	pcs	3/400V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL	1/230V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL
Type		Fan		€			€	Fan		€			€
AL-01M	2	0,25 kW, 750 rpm	111,765	**353**	610-8-45°-19	222,110	**229**						
AL-02M	3	0,25 kW, 750 rpm	111,765	**353**	610-8-45°-19	222,110	**229**						
AL-03M	2	0,5 kW, 450 rpm	22,301	**613**	911-4-30°-28	222,096	**381**						
AL-04M	2	0,5 kW, 450 rpm	22,301	**613**	911-4-30°-28	222,096	**381**						
AL-05M	3	0,5 kW, 450 rpm	22,301	**613**	911-4-30°-28	222,096	**381**						
AL-06M	3	0,5 kW, 450 rpm	22,301	**613**	911-4-30°-28	222,096	**381**						
AL-07M	3	0,5 kW, 450 rpm	22,301	**613**	911-4-30°-28	222,096	**381**						
AL-08M	4	0,5 kW, 450 rpm	22,301	**613**	911-4-30°-28	222,096	**381**						
AL-09M	5	0,5 kW, 450 rpm	22,301	**613**	911-4-30°-28	222,096	**381**						
AL-10M	5	0,5 kW, 450 rpm	22,301	**613**	911-4-30°-28	222,096	**381**						
AL-11M	5	0,5 kW, 450 rpm	22,301	**613**	911-4-30°-28	222,096	**381**						
AL-12M	5	0,5 kW, 450 rpm	22,301	**613**	911-4-30°-28	222,096	**381**						
AL-13M	5	0,5 kW, 450 rpm	22,301	**613**	911-4-30°-28	222,096	**381**						
AL-01N	2	0,55 kW, 1000 rpm	109,058	**377**	610-8-45°-19	222,110	**229**						
AL-02N	3	0,55 kW, 1000 rpm	109,058	**377**	610-8-45°-19	222,110	**229**						
AL-03N	2	1,2 kW, 750 rpm	222 207/222 137	**663**	911-4-30°-28	222,096	**381**						
AL-04N	2	1,8 kW, 750 rpm	108,902	**810**	911-4-30°-28	222,096	**381**						
AL-05N	3	1,2 kW, 750 rpm	222 207/222 137	**663**	911-4-30°-28	222,096	**381**						
AL-06N	3	1,8 kW, 750 rpm	108,902	**810**	911-4-30°-28	222,096	**381**						
AL-07N	3	1,8 kW, 750 rpm	108,902	**810**	911-4-30°-28	222,096	**381**						
AL-08N	4	1,8 kW, 750 rpm	108,902	**810**	911-4-30°-28	222,096	**381**						
AL-09N	5	1,2 kW, 750 rpm	222 207/222 137	**663**	911-4-30°-28	222,096	**381**						
AL-10N	5	1,8 kW, 750 rpm	108,902	**810**	911-4-30°-28	222,096	**381**						
AL-11N	5	1,8 kW, 750 rpm	108,902	**810**	911-4-30°-28	222,096	**381**						
AL-12N	5	1,8 kW, 750 rpm	108,902	**810**	911-4-30°-28	222,096	**381**						
AL-13N	5	1,8 kW, 750 rpm	108,902	**810**	911-4-30°-28	222,096	**381**						
AL-01K	2	1,5 kW, 1500 rpm	108,894	**399**	610-5-35°-24	E32418	**329**						
AL-02K	3	1,5 kW, 1500 rpm	108,894	**399**	610-5-35°-24	E32418	**329**						
AL-03K	2	2,5 kW, 1000 rpm	222,206	**698**	911-4-30°-28	222,096	**381**						
AL-04K	2	2,5 kW, 1000 rpm	222,206	**698**	911-4-30°-28	222,096	**381**						
AL-05K	3	2,5 kW, 1000 rpm	222,206	**698**	911-4-30°-28	222,096	**381**						
AL-06K	3	2,5 kW, 1000 rpm	222,206	**698**	911-4-30°-28	222,096	**381**						
AL-07K	2	4,0 kW, 750 rpm	69,104	**1180**	1236-6-33°-42	222,190	**762**						
AL-08K	2	5,5 kW, 750 rpm	E27489/220 658	**2732**	1236-6-38-42	222,175	**1282**						
AL-09K	3	4,0 kW, 750 rpm	69,104	**1180**	1236-6-33°-42	222,190	**762**						
AL-10K	3	5,5 kW, 750 rpm	E27489/220 658	**2732**	1236-6-38-42	222,175	**1282**						
AL-11K	3	5,5 kW, 750 rpm	E27489/220 658	**2732**	1236-6-38-42	222,175	**1282**						
AL-12K	4	4,0 kW, 750 rpm	69,104	**1180**	1236-6-33°-42	222,190	**762**						
AL-13K	4	5,5 kW, 750 rpm	E27489/220 658	**2732**	1236-6-38-42	222,175	**1282**						

Product	pcs	3/400V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL	1/230V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL
Type		Fan		€			€	Fan		€			€
Solar 1-2..16-12-350		0,14 kW, 375 rpm	222 210/222 117	**733**	911-4-28°-24	222,093	**345**						
Solar 1-2..16-12-470		0,37 kW, 500 rpm	222 209/222 139	**647**	911-4-27.5°-28	222,092	**390**						
Solar 1-2..16-12-560		0,55 kW, 600 rpm	222 208/222 138	**595**	911-4-27.5°-28	222,092	**390**						
Solar 1-2..16-12-720		1,2 kW, 750 rpm	222 207/222 137	**663**	911-4-27.5°-28	222,092	**390**						
Solar 1-2..16-12-950		2,5 kW, 1000 rpm	222,206	**698**	911-4-27.5°-28	222,092	**390**						
Solar 9-3..16-6-350		0,75 kW, 375 rpm	184,598	**1222**	1236-6-45°-38	222,095	**765**						
Solar 9-3..16-6-470		1,5 kW, 500 rpm	192,872	**1446**	1236-6-45°-38	222,095	**765**						
Solar 9-3..16-6-560		3,0 kW, 600 rpm	192,807	**1673**	1236-6-45°-38	222,095	**765**						
Solar 9-3..16-6-720		5,5 kW, 750 rpm	E27489/220 658	**2731**	1236-6-45°-38	222,095	**765**						

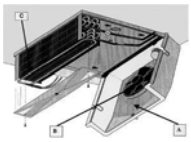
Product	pcs	3/400V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL	1/230V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL
Type		Fan		€			€	Fan		€			€
SCAL-G-914-350		0,14 kW, 375 rpm	222 210/222 117	**733**	911-4-43-24	222,214	**377**						
SCAL-G-914-470		0,37 kW, 500 rpm	222 209/222 139	**646**	911-4-43-28	222,205	**306**						
SCAL-G-914-560		0,55 kW, 600 rpm	222 208/222 138	**594**	911-4-43-28	222,205	**306**						
SCAL-G-914-720		1,2 kW, 750 rpm	222 207/222 137	**663**	911-4-43-28	222,205	**306**						
SCAL-G-914-950		2,5 kW, 1000 rpm	222,206	**697**	911-4-43-28	222,205	**306**						
SCAL-G-1240-350		0,75 kW, 375 rpm	184,598	**1222**	1236-6-40-38	E41239	**737**						
SCAL-G-1240-470		1,5 kW, 500 rpm	192,872	**1446**	1236-6-40-38	E41239	**737**						
SCAL-G-1240-560		3,0 kW, 600 rpm	192,807	**1673**	1236-6-40-42	E33766	**794**						
SCAL-G-1240-720		5,5 kW, 750 rpm	E27489/220 658	**2731**	1236-6-40-42	E33766	**794**						
SCAL-G-1240-950		11 kW, 1000 rpm	222,097	**2038**	1236-6-37-42	E37401	**794**						

Product	pcs	3/400V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL	1/230V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL
Type		Fan		€			€	Fan		€			€
FI-01	1	0,09 kW, 1500 rpm	222,029	**370**	305-4-32°-14	1,933	**85**	0,12 kW, 1500 rpm	106,120	**476**	305-4-32°-14	1,933	**85**
FI-02	1	0,25 kW, 1500 rpm	108,860	**302**	406-4-22°-14	77,206	**107**	0,12 kW, 1500 rpm	106,120	**476**	406-4-22°-14	77,206	**107**
FI-03	1	0,25 kW, 1500 rpm	108,860	**302**	406-4-32°-14	2,014	**107**	0,25 kW, 1500 rpm	22,319	**371**	406-4-32°-14	2,014	**107**
FI-04	2	0,25 kW, 1500 rpm	108,860	**302**	406-4-22°-14	77,206	**107**	0,12 kW, 1500 rpm	106,120	**476**	406-4-22°-14	77,206	**107**
FI-05	2	0,25 kW, 1500 rpm	108,860	**302**	406-4-32°-14	2,014	**107**	0,25 kW, 1500 rpm	22,319	**371**	406-4-32°-14	2,014	**107**
FI-06	3	0,25 kW, 1500 rpm	108,860	**302**	406-4-32°-14	2,014	**107**	0,25 kW, 1500 rpm	22,319	**371**	406-4-32°-14	2,014	**107**
FIM-01	1	0,09 kW, 1000 rpm	217,174	**316**	406-4-32°-14	2,014	**107**	0,09 kW, 1000 rpm	33,316	**466**	406-4-32°-14	2,014	**107**
FIM-02	1	0,09 kW, 1000 rpm	217,174	**316**	406-4-32°-14	2,014	**107**	0,09 kW, 1000 rpm	33,316	**466**	406-4-32°-14	2,014	**107**
FIM-03	1	0,09 kW, 1000 rpm	217,174	**316**	406-4-32°-14	2,014	**107**	0,09 kW, 1000 rpm	33,316	**466**	406-4-32°-14	2,014	**107**
FIM-04	2	0,09 kW, 1000 rpm	217,174	**316**	406-4-32°-14	2,014	**107**	0,09 kW, 1000 rpm	33,316	**466**	406-4-32°-14	2,014	**107**
FIM-05	2	0,09 kW, 1000 rpm	217,174	**316**	406-4-32°-14	2,014	**107**	0,09 kW, 1000 rpm	33,316	**466**	406-4-32°-14	2,014	**107**
FIM-06	3	0,09 kW, 1000 rpm	217,174	**316**	406-4-32°-14	2,014	**107**	0,09 kW, 1000 rpm	33,316	**466**	406-4-32°-14	2,014	**107**

Alfa Laval Air Coolers

Alfa Laval Spare Parts

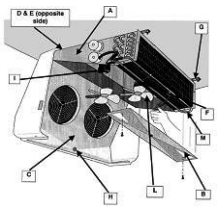
Compact



Position	Description
A	Drip tray/Cowling
B	Fan motor
C	Electric heater

Position	Description	Model CGL						Code number	RCPL
		1	2	3	4	5	6		
A	Compact 1 / 2 ABS drain-pan/cowling	√	√					57300195	**47**
A	Compact 3 / 4 / 5 / 6 ABS drain-pan/cowling			√	√	√	√	57300200	**99**
B	Fan motor standard D = 230 mm	√	√	√	√	√	√	41101189	**125**
C	Electric heater	√	√					41001025	**18**
C	Electric heater			√	√	√	√	41001026	**23**

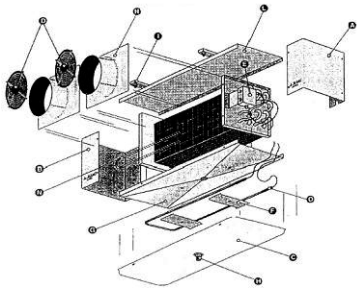
Slim



Position	Description
A	Cover plate of coil
B	Inner drip tray
C	Drip tray
F	Fan hinge
G	Bracket
H	Complete drain 1/2" PSP
I	Fan motor standard
L	Fan blade
M	(Kit)

Position	Description	Model												Code number	RCPL
		SGL						SBL							
		11	12	13	14	15	16	21	22	23	24	25	26		
A	Cover plate of coil	√	√					√	√					60700000	**89**
A	Cover plate of coil			√	√					√	√			60700001	**107**
A	Cover plate of coil					√	√					√	√	60700002	**137**
B	Inner drain-pan L=600	√	√					√	√					60702000	**20**
B	Inner drain-pan L=880			√	√					√	√			60702001	**30**
B	Inner drain-pan L=1320					√	√					√	√	60702002	**38**
C	Slim 1 fan drain-pan	√	√					√	√					60704000	**105**
C	Slim 2 fans drain-pan			√	√					√	√			60704001	**132**
C	Slim 3 fans drain-pan					√	√					√	√	60704002	**171**
F	Fan support	√	√					√	√					60712000	**33**
F	Fan support			√	√					√	√			60712001	**47**
F	Fan support					√	√					√	√	60712002	**46**
G	Unit support	√	√	√	√	√	√	√	√	√	√	√	√	60712003	**10**
H	Drain ½" BSP male	√	√	√	√	√	√	√	√	√	√	√	√	60716000	**4**
H	Drain ½" BSP female	√	√	√	√	√	√	√	√	√	√	√	√	60716001	**1**
H	Drain ½" gasket	√	√	√	√	√	√	√	√	√	√	√	√	60716002	**1**
I	El. fan mot. std 1 ph-4 poles 230V D = 300	√	√	√	√	√	√	√	√	√	√	√	√	41100030	**51**
L	Fan (blades)	√	√	√	√	√	√	√	√	√	√	√	√	41199014	**10**
	Fan grid	√	√	√	√	√	√	√	√	√	√	√	√	41199042	**11**
	Kit fan motor 1 ph-4 poles 230V D = 300	√	√	√	√	√	√	√	√	√	√	√	√	11300218	**153**
M	Electrical defrost heater	√						√						11299950	**80**
M	Electrical defrost heater		√						√					11299951	**80**
M	Electrical defrost heater			√						√				11299952	**87**
M	Electrical defrost heater				√						√			11299953	**87**
M	Electrical defrost heater											√		11299954	**102**
M	Electrical defrost heater						√						√	11299955	**102**

CUBIC PLASTIC CASING

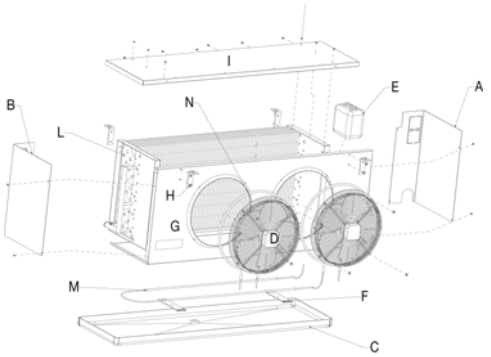


Position	Description
A	Right side panel
B	Left side panel
C	Drip tray
D	Fan motor (std: 6 poles - 3 ph)
E	Heater connection box
F	Electric heater support
G	Inner drip tray
H	Fan cowl
I	Bracket
L	Cover plate of coil
M *	Complete drain 1
N	Electric heater (coil)
O	Electric heater (drip tray)

Posi-tion	Description	Model																									Code number	RCPL
		GL									RL									BL									
		41	42	43	44	45	46	47	48	49	51	52	53	54	55	56	57	58	59	71	72	73	74	75	76	77	78	79		
A	Right side panel	√	√	√	√						√	√	√	√						√	√	√	√						60103003	**36**
A	Right side panel					√	√	√	√	√					√	√	√	√	√					√	√	√	√	√	60103001	**36**
B	Left side panel	√	√	√	√						√	√	√	√						√	√	√	√						60103004	**36**
B	Left side panel					√	√	√	√	√					√	√	√	√	√					√	√	√	√	√	60103002	**36**
C	Drip tray l=750	√	√								√	√								√	√								60104003	**49**
C	Drip tray l=1250			√	√	√	√						√	√	√	√						√	√	√	√				60104002	**61**
C	Drip tray l=1750							√	√								√	√								√	√		60104001	**78**
C	Drip tray l=2250									√									√									√	60104000	**118**
D	Axial fan motor 230V50–60Hz 1Ph 4 poles	√	√	√	√						√	√	√	√						√	√	√	√						41101098	**140**
D	Axial fan motor 230V50–60Hz 1Ph 4 poles					√	√	√	√	√					√	√	√	√	√					√	√	√	√	√	41101099	**164**
D	Axial fan motor 230V/50–60Hz 1Ph 6 poles	√	√	√	√						√	√	√	√						√	√	√	√						41101029	**314**
D	Axial fan motor 230V/50–60Hz 1Ph 6 poles					√	√	√	√	√					√	√	√	√	√					√	√	√	√	√	41101191	**227**
D	Axial fan motor 230-400V/50–60Hz 3Ph 4poles	√	√	√	√						√	√	√	√						√	√	√	√						41101280	**415**
D	Axial fan motor 230-400V/50–60Hz 3Ph 4poles					√	√	√	√	√					√	√	√	√	√					√	√	√	√	√	41101185	**249**
E	Heater connection box	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	41002162	**36**
F	Electric heater support	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	60112005	**6**
G	Inner drain-pan l=500	√	√								√	√								√	√								60102003	**33**
G	Inner drip tray l=1000			√	√	√	√						√	√	√	√						√	√	√	√				60102002	**52**
G	Inner drip tray l=1500							√	√								√	√								√	√		60102001	**91**
G	Inner drip tray l=2000									√									√									√	60102000	**109**
	Fan cowl d=300	√	√	√	√						√	√	√	√						√	√	√	√						60105002	**63**
H	Fan cowl					√	√	√	√	√					√	√	√	√	√					√	√	√	√	√	60105001	**63**
I	Bracket	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	60112001	**6**
L	Coil plate cover	√	√								√	√								√	√								60101003	**31**
L	Coil plate cover			√	√	√	√						√	√	√	√						√	√	√	√				60101008	**47**
L	Coil plate cover							√	√								√	√								√	√		60101001	**81**
L	Coil plate cover									√									√									√	60101000	**100**
M	Drain 1" BSP male	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	60116001	**3**
M	Drain 1 BSP male (ring nut)	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	60116002	**3**
M	Drain 1 BSP male (gasket)	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	60116003	**1**
N	Electric heater (coil)	√	√								√	√								√	√								41001002	**28**
N	Electric heater (coil)			√	√	√	√						√	√	√	√						√	√	√	√				41001003	**32**
N	Electric heater (coil)							√	√								√	√								√	√		41001004	**38**
N	Electric heater (coil)									√									√									√	41001012	**43**
O	Electric heater (drip tray)	√	√								√	√								√	√								41001028	**20**
O	Electric heater (drip tray)			√	√	√	√						√	√	√	√						√	√	√	√				41001029	**26**
O	Electric heater (drip tray)							√	√								√	√								√	√		41001030	**39**
O	Electric heater (drip tray)									√									√									√	41001031	**38**
	Electrical defrost (kit)	√	√								√	√								√	√								11299900	**205**
	Electrical defrost (kit)			√	√								√	√								√	√						11299901	**226**
	Electrical defrost (kit)					√									√									√					11299902	**259**
	Electrical defrost (kit)						√									√									√				11299903	**290**
	Electrical defrost (kit)							√									√									√			11299905	**303**
	Electrical defrost (kit)								√									√									√		11299906	**341**
	Electrical defrost (kit)									√									√									√	11299907	**367**
	Cable electrical heater RS 70W (for drain pipe)	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	41001200	**18**

NOTE (*) Must be ordered together.

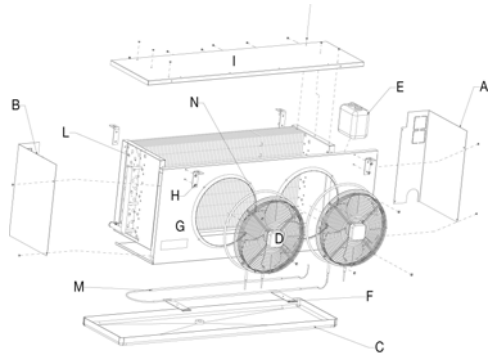
ALFACUBIC



Position	Description
A	Right side panel
B	Left side panel
C	Drip tray
D	Axial fan motor
E	Heater connection box
F	Electric heater support
G	Fan shroud
H	Bracket
I	Coil plate cover
L	Heater (coil)
M	Heater (drip tray)
N	Fan ring heater

Posi-tion	Description	Model													Code number	RCPL
		250			350				400			500				
		251	252	253	351	352	353	354	401	402	403	502	503	504		
A	Right side panel	√	√	√											60103024	**26**
A	Right side panel				√	√	√	√							60103026	**37**
A	Right side panel								√	√	√				60103028	**41**
A	Right side panel											√	√	√	60103054	**80**
B	Left side panel	√	√	√											60103025	**18**
B	Left side panel				√	√	√	√							60103027	**37**
B	Left side panel								√	√	√				60103029	**32**
B	Left side panel											√	√	√	60103055	**80**
C	Drain pain l=500	√			√										60104074	**104**
C	Drain pain l=1000		√			√									60104075	**146**
C	Drain pain l=1500			√			√								60104076	**167**
C	Drain pain l=2000							√							60104077	**216**
C	Drain pain l=600								√						60104078	**112**
C	Drain pain l=1200									√					60104079	**143**
C	Drain pain l=1800										√				60104080	**234**
C	Drain pain l=1670											√			60104116	**253**
C	Drain pain l=2520												√		60104117	**274**
C	Drain pain l=3370													√	60104118	**390**
D	Axial fan motor 230V/50–60Hz 1Ph 2 poles	√	√	√											41101242	**133**
D	Axial fan motor 230-400V/50–60Hz 3Ph 2 poles	√	√	√											41101243	**199**
D	Axial fan motor 230V50–60Hz 1Ph 4 poles				√	√	√	√							41101179	**175**
D	Axial fan motor 230V/50–60Hz 1Ph 6 poles				√	√	√	√							41101180	**233**
D	Axial fan motor 400V/50–60Hz 3Ph 4 poles				√	√	√	√							41101181	**261**
D	Axial fan motor 230V/50–60Hz 1Ph 6 poles								√	√	√				41101213	**248**
D	Axial fan motor 230V50–60Hz 1Ph 4 poles								√	√	√				41101165	**241**
D	Axial fan motor 400V/ 50-60Hz 3Ph 4 poles								√	√	√				41101152	**273**
D	Axial fan motor 400V/60Hz 3Ph 4 poles								√	√	√				41101207	**267**
D	Axial fan motor 460/60Hz 3ph								√	√	√				41101223	**460**
D	Axial fan motor 400–460V/ 50-60 Hz 3Ph 6 poles								√	√	√				41101292	**400**
D	Axial fan motor 230V/50-60 Hz 1Ph 4 poles											√	√	√	41101321	**431**
D	Axial fan motor 230V/50-60 Hz 1Ph 6 poles											√	√	√	41101103	**424**
D	Axial fan motor 230V/50-60 Hz 1Ph 8 poles											√	√	√	41101104	**441**
D	Axial fan motor 400V/ 50 Hz 3Ph 4 poles											√	√	√	41103021	**430**
D	Axial fan motor 400–460V/ 50-60 Hz 3Ph 6 poles											√	√	√	41101084	**422**
D	Axial fan motor 400–460/50–60Hz 3ph 4poles											√	√	√	41101144	**416**
D	Axial fan motor 230-400V/50Hz 3Ph 4 poles											√	√	√	41101018	**448**
D	Axial fan motor 230-400V/60Hz 3Ph 4 poles											√	√	√	41101142	**400**
D	Axial fan motor 230-400V/50Hz 3Ph 6 poles											√	√	√	41101034	**476**
E	Heater connection box	√	√	√	√	√	√	√							41002162	**36**
F	Electric heater support	√	√	√	√	√	√	√	√	√	√	√	√	√	60112015	**5**
G	Fan cowl	√													60105021	**102**
G	Fan cowl		√												60105022	**164**
G	Fan cowl			√											60105023	**244**
G	Fan cowl				√										60105024	**118**
G	Fan cowl					√									60105025	**167**
G	Fan cowl						√								60105026	**244**
G	Fan cowl							√							60105027	**327**
G	Fan cowl								√						60105028	**150**

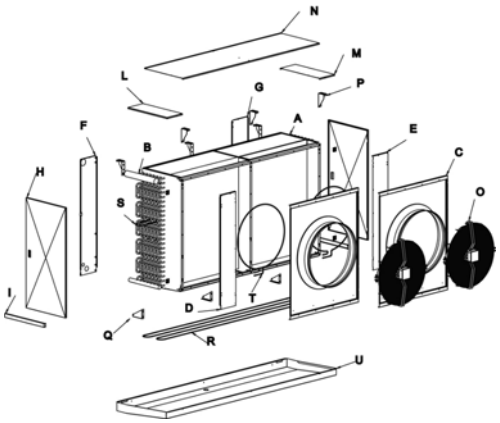
ALFACUBIC



POSITION	DESCRIPTION
A	Right side panel
B	Left side panel
C	Drip tray
D	Axial fan motor
E	Heater connection box
F	Electric heater support
G	Fan shroud
H	Bracket
I	Coil plate cover
L	Heater (coil)
M	Heater (drip tray)
N	Fan ring heater

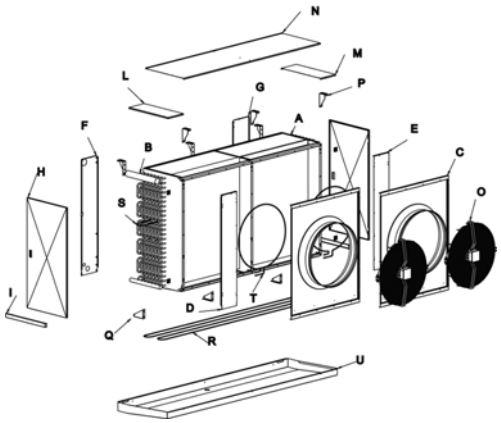
Posi-tion	Description	Model												Code number	RCPL
		250			350				400			500					
		251	252	253	351	352	353	354	401	402	403	502	503	504		
G	Fan cowl									√					60105029	**213**
G	Fan cowl										√				60105030	**292**
G	Fan cowl											√			60105067	**337**
G	Fan cowl												√		60105068	**468**
G	Fan cowl													√	60105069	**314**
G	Fan cowl													√	60105070	**314**
I	Coil plate cover	√			√										60101015	**37**
I	Coil plate cover		√			√									60101016	**54**
I	Coil plate cover			√			√								60101017	**67**
I	Coil plate cover							√							60101018	**80**
I	Coil plate cover								√						60101019	**48**
I	Coil plate cover									√					60101020	**102**
I	Coil plate cover										√				60101021	**90**
I	Coil plate cover											√			60101028	**120**
I	Coil plate cover												√		60101029	**156**
I	Coil plate cover													√	60101030	**208**
L	Electrical Heater (coil) L=665 P=390W	√			√										41001002	**28**
L	Electrical Heater (coil) L=1165 P=780W		√			√									41001003	**32**
L	Electrical Heater (coil) L=1665 P=1180W			√			√								41001004	**38**
L	Electrical Heater (coil) L=2165 P=1570W							√							41001012	**43**
L	Electrical Heater (coil) L=760 P=450W								√						41001005	**33**
L	Electrical Heater (coil) L=1360 P=900W									√					41001054	**39**
L	Electrical Heater (coil) L=1960 P=1250W										√				41001055	**45**
L	Electrical Heater (coil) L=1860 P=1600W											√			41001058	**44**
L	Electrical Heater (coil) L=2710 P=2800W												√		41001059	**57**
L	Electrical Heater (coil) L=3560 P=2600W													√	41001060	**65**
M	Electrical Heater (drip tray) L=620 P=270W	√			√										41001028	**20**
M	Electrical Heater (drip tray) L=1120 P=540W		√			√									41001029	**26**
M	Electrical Heater (drip tray) L=1620 P=800W			√			√								41001030	**39**
M	Electrical Heater (drip tray) L=2120 P=1000W							√							41001031	**38**
M	Electrical Heater (drip tray) L=760 P=450W								√						41001005	**33**
M	Electrical Heater (drip tray) L=1360 P=900W									√					41001054	**39**
M	Electrical Heater (drip tray) L=1960 P=1250W										√				41001055	**45**
M	Electrical Heater (drip tray) L=1860 P=1600W											√			41001058	**44**
M	Electrical Heater (drip tray) L=2710 P=2800W												√		41001059	**57**
M	Electrical Heater (drip tray) L=3560 P=2600W													√	41001060	**65**
N	Fan ring heater d=270 P=300W	√	√	√											41001077	**35**
N	Fan ring heater d=370 P=300W				√	√	√	√							41001071	**37**
N	Fan ring heater d = 405 P = 350W								√	√	√				41001066	**35**
N	Fan ring heater d = 505 P = 450W											√	√	√	41001067	**35**

AIRMAX II



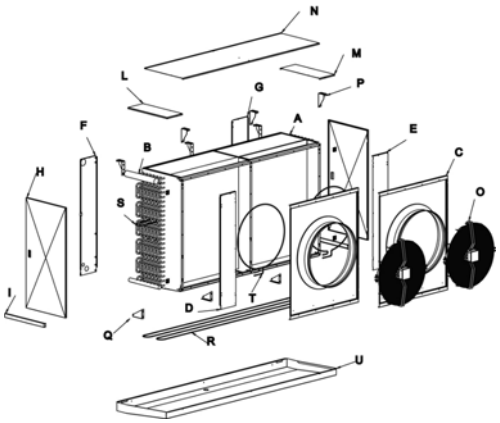
Description	Specifications	501	502	503	504	505	561	562	563	564	565	631	632	633	634	635	801	802	803	804	Code	RCPL
Removable panel (H)	Galvanized steel painted	√	√	√	√	√															60503477	**65**
Removable panel (H)	Galvanized steel painted						√	√	√	√	√										60503485	**95**
Removable panel (H)	Galvanized steel painted											√	√	√	√	√					60503492	**114**
Removable panel (H)	Galvanized steel painted																√	√	√	√	60503498	**114**
Bracket support (P)	Fe 360 Sp.30/10 + RAL 9002	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	60512240	**33**
Heater support	AISI 304 10/10	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√					60112005	**6**
Heater support	AISI 304 10/10																√	√	√	√	60112019	**11**
Cover cables	Fe-Zn Sp.12/10 RAL 9002	√	√	√	√	√															60516073	**84**
Cover cables	Fe-Zn Sp.12/10 RAL 9002						√	√	√	√	√	√	√	√	√	√					60516074	**35**
Cover cables	Fe-Zn Sp.12/10 RAL 9002																√	√	√	√	60516075	**92**
Drip tray (U)	Al-Mg 15/10 + RAL 9002	√																			60504335	**493**
Drip tray (U)	Al-Mg 15/10 + RAL 9002		√																		60504336	**632**
Drip tray (U)	Al-Mg 15/10 + RAL 9002			√																	60504337	**796**
Drip tray (U)	Al-Mg 15/10 + RAL 9002				√																60504338	**988**
Drip tray (U)	Al-Mg 15/10 + RAL 9002					√															60504339	**1628**
Drip tray (U)	Al-Mg 15/10 + RAL 9002						√					√									60504340	**624**
Drip tray (U)	Al-Mg 15/10 + RAL 9002							√					√								60504341	**743**
Drip tray (U)	Al-Mg 15/10 + RAL 9002								√					√							60504342	**927**
Drip tray (U)	Al-Mg 15/10 + RAL 9002									√					√						60504343	**1929**
Drip tray (U)	Al-Mg 15/10 + RAL 9002										√					√					60504344	**2341**
Drip tray (U)	Al-Mg 15/10 + RAL 9002																√				60504345	**728**
Drip tray (U)	Al-Mg 15/10 + RAL 9002																	√			60504346	**884**
Drip tray (U)	Al-Mg 15/10 + RAL 9002																		√		60504347	**1301**
Drip tray (U)	Al-Mg 15/10 + RAL 9002																			√	60504348	**2049**
Insulated drip tray	Al-Mg 15/10 + RAL 9002	√																			11300331	**1977**
Insulated drip tray	Al-Mg 15/10 + RAL 9002		√																		11300332	**2122**
Insulated drip tray	Al-Mg 15/10 + RAL 9002			√																	11300333	**2212**
Insulated drip tray	Al-Mg 15/10 + RAL 9002				√																11300334	**2400**
Insulated drip tray	Al-Mg 15/10 + RAL 9002					√															11300335	**2861**
Insulated drip tray	Al-Mg 15/10 + RAL 9002						√					√									11300336	**1925**
Insulated drip tray	Al-Mg 15/10 + RAL 9002							√					√								11300337	**2081**
Insulated drip tray	Al-Mg 15/10 + RAL 9002								√					√							11300338	**2695**
Insulated drip tray	Al-Mg 15/10 + RAL 9002									√					√						11300339	**3381**
Insulated drip tray	Al-Mg 15/10 + RAL 9002										√					√					11300340	**4823**
Insulated drip tray	Al-Mg 15/10 + RAL 9002																√				11300341	**1977**
Insulated drip tray	Al-Mg 15/10 + RAL 9002																	√			11300342	**2237**
Insulated drip tray	Al-Mg 15/10 + RAL 9002																		√		11300343	**2809**
Insulated drip tray	Al-Mg 15/10 + RAL 9002																			√	11300344	**3537**

AIRMAX II



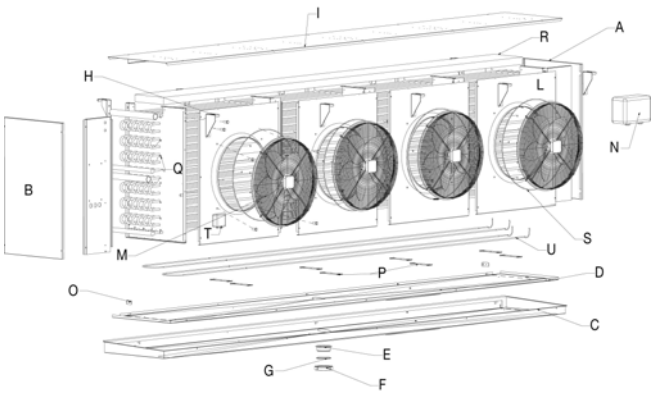
Description	Specifications	501	502	503	504	505	561	562	563	564	565	631	632	633	634	635	801	802	803	804	Code	RCPL
Switch ON/OFF	IP66 16A 3P	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	41002660	**152**
Terminal box 5M/T	PC RAL 7035 IP67 (16A)	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	41002850	**643**
Terminal box5M/T	PC RAL 7035 IP67 (45A)	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	41002864	**666**
Terminal box 5M/S	PC RAL 7035 IP67 (25A)	√	√	√	√	√															41002950	**643**
Heater connection box	PC RAL 7035 IP66	√	√	√	√	√															41002851	**589**
Heater connection box	ABS RAL 7035 IP65						√	√	√	√	√	√	√	√	√	√	√	√	√	√	41002852	**534**
FRH connection box	PC RAL 7035 IP66	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	41002853	**295**
Sock ring	RAL 9002	√	√	√	√	√															60505317	**114**
Sock ring	RAL 9002						√	√	√	√	√										60505316	**129**
Sock ring	RAL 9002											√	√	√	√	√					60505294	**150**
Sock ring	RAL 9002																√	√	√	√	60505299	**188**
AlfaStreamer		√	√	√	√	√															41199108	**65**
AlfaStreamer												√	√	√	√	√					41199118	**100**
Heater D=8.5 (R)	L=1050 P=750W	√																			41001087	**31**
Heater D=8.5 (R)	L=1900 P=1500W		√																		41001088	**44**
Heater D=8.5 (R)	L=2750 P=2100W			√																	41001089	**55**
Heater D=8.5 (R)	L=3600 P=2800W				√																41001090	**66**
Heater D=8.5 (R)	L=4450 P=3500W					√															41001091	**78**
Heater D=8.5 (R)	L=1200 P=860W						√					√									41001092	**32**
Heater D=8.5 (R)	L=2200 P=1700W							√					√								41001093	**45**
Heater D=8.5 (R)	L=3200 P=2300W								√					√							41001094	**65**
Heater D=8.5 (R)	L=4200 P=3300W									√					√						41001095	**81**
Heater D=8.5 (R)	L=5200 P=4200W										√					√					41001096	**114**
Heater D=8.5 (R)	L=1400 P=1020W																√				41001097	**35**
Heater D=8.5 (R)	L=2600 P=2000W																	√			41001098	**54**
Heater D=8.5 (R)	L=3800 P=3000W																		√		41001099	**71**
Heater D=8.5 (R)	L=5000 P=4000W																			√	41001100	**87**
Fan ring heater (T)	P=450W + therm. 150°C	√	√	√																	41001105	**60**
Fan ring heater (T)	P=450W + therm. 150°C				√	√															41001106	**63**
Fan ring heater (T)	P=500W + therm. 150°C						√	√	√												41001107	**62**
Fan ring heater (T)	P=500W + therm. 150°C									√	√										41001108	**66**
Fan ring heater (T)	P=550W + therm. 150°C											√	√	√							41001109	**63**
Fan ring heater (T)	P=550W + therm. 150°C														√	√					41001110	**68**
Fan ring heater (T)	P=700W + therm. 150°C																√	√			41001111	**65**
Fan ring heater (T)	P=700W + therm. 150°C																		√	√	41001112	**70**

AIRMAX II



Description	Specifications	500	560	630	800	Code	RCPL
Fan motor	230V/50-60Hz 1Ph S	√				41101102	**432**
Fan motor	400V/50Hz 3Ph S	√				41101083	**430**
Fan motor	400-460V/50-60Hz 3Ph L	√				41101084	**396**
Fan motor	230-400/3/50Hz 3Ph S	√				41101018	**497**
Fan motor	230/1/50Hz 1Ph L	√				41101103	**398**
Fan motor	230-400/3/60Hz 3Ph S	√				41101142	**443**
Fan motor	400/3/60Hz 3Ph S	√				41101144	**460**
Fan motor	400V/50Hz 3Ph S (std conveyor)		√			41101043	**476**
Fan motor	400V/50Hz 3Ph L (std conveyor)		√			41101333	**505**
Fan motor	230-400/3/50Hz 3Ph S (std conveyor)		√			41101033	**499**
Fan motor	230-400/3/60Hz 3Ph S (std conveyor)		√			41101204	**615**
Fan motor	400/3/50Hz 3Ph S (high conveyor)		√			41101383	**518**
Fan motor	230-400/3/50Hz 3Ph S (high conveyor)		√			41101387	**481**
Fan motor	230-400/3/60Hz 3Ph S (high conveyor)		√			41101388	**585**
Fan motor	400/3/50Hz 3Ph L (high conveyor)		√			41101389	**506**
Fan motor	400V/50Hz 3Ph S			√		41101218	**839**
Fan motor	400V/50Hz 3Ph L			√		41101263	**518**
Fan motor	230-400/3/50Hz 3Ph S			√		41101122	**857**
Fan motor	260-460/3/60Hz 3Ph S			√		41101128	**1062**
Fan motor	400/3/60Hz 3Ph S			√		41101163	**1080**
Fan motor	400V/50Hz 3Ph S				√	41101341	**1739**
Fan motor	400V/50Hz 3Ph L				√	41101148	**935**
Fan motor	230-400/3/50Hz 3Ph L				√	41101064	**991**
Fan motor	230-400/3/60Hz 3Ph L				√	41101079	**1733**
Fan motor	400/3/60Hz 3Ph L				√	41101200	**1488**

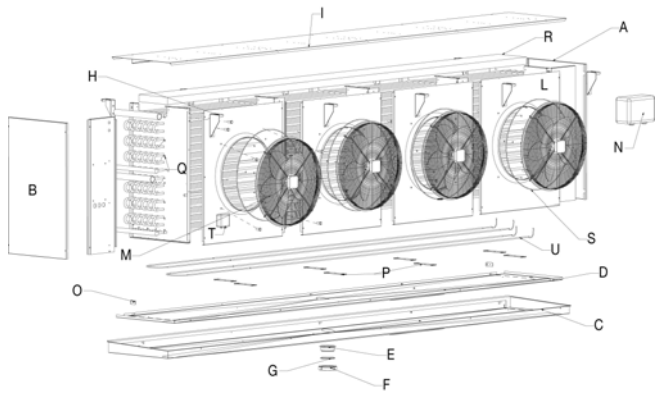
AIRMAX



Position	Description
A	Right side panel
B	Left side panel
C	Drip tray
D	Inner drip tray
E	Drain 2" BSP male
F	Drain 2" BSP male (ring nut)
G	Drain 2" BSP male (gasket)
H	Unit support
I	Cover plate of coil
L	Fan cowl
M	Fan motor
N	Heater connection box
O	Hinger joint dx/sx
P	Electric element support
Q	Heater (coil) L = 2160 P = 1570W
R	Defrost water distribution box
S	Fan ring heater
T	Terminal box

Position	Description	Model								Code number	RCPL
		Ø 400 mm				Ø 500 mm					
		402	403	404	405	502	503	504	505		
A	Right side panel	√	√	√	√					60503166	**39**
A	Right side panel					√	√	√	√	60503187	**78**
B	Left side panel	√	√	√	√					60503166	**39**
B	Left side panel					√	√	√	√	60503187	**78**
C	Drip tray	√								60504091	**254**
C	Drip tray		√							60504092	**270**
C	Drip tray			√						60504093	**329**
C	Drip tray				√					60504094	**427**
C	Drip tray					√				60504095	**268**
C	Drip tray						√			60504096	**408**
C	Drip tray							√		60504097	**556**
C	Drip tray								√	60504098	**603**
M	Fan mot. 3 ph-4/6 poles (std)	√	√	√	√					41101152	**273**
M	Fan mot. 3 ph-4/4 poles (std)					√	√	√	√	41101083	**430**
N	Heater connection box	√	√	√	√	√	√	√	√	41002193	**269**
P	Electric heater support	√	√	√	√	√	√	√	√	60112005	**6**
D	Inner drain-pan	√								60502048	**108**
D	Inner drain-pan		√							60502049	**102**
D	Inner drain-pan			√						60502050	**132**
D	Inner drain-pan				√					60502051	**171**
D	Inner drain-pan					√				60502052	**133**
D	Inner drain-pan						√			60502053	**173**
D	Inner drain-pan							√		60502054	**205**
D	Inner drain-pan								√	60502055	**343**
E	Drain 2" BSP male	√	√	√	√	√	√	√	√	60516000	**47**
F	Drain 2" BSP male (ring nut)	√	√	√	√	√	√	√	√	60516002	**19**
G	Drain 2" BSP male (gasket)	√	√	√	√	√	√	√	√	60516004	**1**
H	Unit support	√	√	√	√	√	√	√	√	60512106	**14**
R	Defrost water distribution box	√								60507131	**220**
R	Defrost water distribution box		√							60507132	**172**
R	Defrost water distribution box			√						60507133	**158**
R	Defrost water distribution box				√					60507140	**191**
R	Defrost water distribution box					√				60507135	**143**
R	Defrost water distribution box						√			60507136	**197**
R	Defrost water distribution box							√		60507137	**258**
R	Defrost water distribution box								√	60507138	**403**
S	Fan ring heater	√	√	√	√					41001066	**35**
S	Fan ring heater					√	√	√	√	41001067	**35**

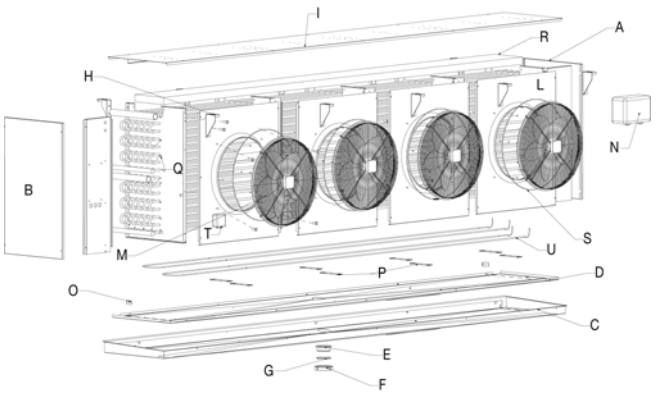
AIRMAX



Position	Description
A	Right side panel
B	Left side panel
C	Drip tray
D	Inner drip tray
E	Drain 2" BSP male
F	Drain 2" BSP male (ring nut)
G	Drain 2" BSP male (gasket)
H	Unit support
I	Cover plate of coil
L	Fan cowl
M	Fan motor
N	Heater connection box
O	Hinger joint dx/sx
P	Electric element support
Q	Heater (coil) L = 2160 P = 1570W
R	Defrost water distribution box
S	Fan ring heater
T	Terminal box

Position	Description	Model								Code number	RCPL
		Ø 400 mm				Ø 500 mm					
		402	403	404	405	502	503	504	505		
T	Terminal box	√	√	√	√	√	√	√	√	41002162	**36**
I	Cover plate of coil	√								60501066	**88**
I	Cover plate of coil		√							60501067	**118**
I	Cover plate of coil			√						60501068	**148**
I	Cover plate of coil				√					60501069	**161**
I	Cover plate of coil					√				60501070	**135**
I	Cover plate of coil						√			60501071	**181**
I	Cover plate of coil							√		60501072	**209**
L	Fan cowl d=400	√	√	√	√					60505196	**64**
L	Fan cowl d=500					√	√	√	√	60505200	**115**
	Heater (drip tray) L=1360 P=900W	√								41001054	**39**
	Heater (drip tray) L=1960 P=1250W		√							41001055	**45**
	Heater (drip tray) L=2560 P=1750W			√						41001056	**51**
	Heater (drip tray) L=3160 P=2200W				√					41001057	**60**
	Heater (drip tray) L=1860 P=1600W					√				41001058	**44**
	Heater (drip tray) L=2710 P=2800W						√			41001059	**57**
	Heater (drip tray) L=3560 P=2600W							√		41001060	**65**
	Heater (drip tray) L=4410 P=3400W								√	41001061	**78**
Q	Heater (coil) L=1360 P=900W	√								41001054	**39**
Q	Heater (coil) L=1960 P=1250W		√							41001055	**45**
Q	Heater (coil) L=2560 P=1750W			√						41001056	**51**
Q	Heater (coil) L=3160 P=2200W				√					41001057	**60**
Q	Heater (coil) L=1860 P=1600W					√				41001058	**44**
Q	Heater (coil) L=2710 P=2800W						√			41001059	**57**
Q	Heater (coil) L=3560 P=2600W							√		41001060	**65**
Q	Heater (coil) L=4410 P=3400W								√	41001061	**78**

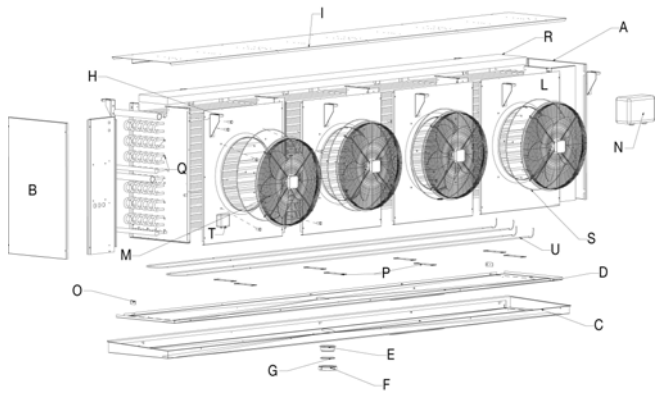
AIRMAX



Position	Description
A	Right side panel
B	Left side panel
C	Drip tray
D	Inner drip tray
E	Drain 2" BSP male
F	Drain 2" BSP male (ring nut)
G	Drain 2" BSP male (gasket)
H	Unit support
I	Cover plate of coil
L	Fan cowl
M	Fan motor
N	Heater connection box
O	Hinger joint dx/sx
P	Electric element support
Q	Heater (coil) L = 2160 P = 1570W
R	Defrost water distribution box
S	Fan ring heater
T	Terminal box

Position	Description	Model								Code number	RCPL
		Ø 560 mm				Ø 630 mm					
		562	563	564	565	632	633	634	635		
A	Right side panel	√	√	√	√					60503180	**71**
A	Right side panel					√	√	√	√	60503181	**119**
B	Left side panel	√	√	√	√					60503180	**71**
B	Left side panel					√	√	√	√	60503181	**119**
C	Drip tray	√				√				60504099	**282**
C	Drip tray		√				√			60504100	**362**
C	Drip tray			√				√		60504101	**544**
C	Drip tray				√				√	60504102	**616**
M	Fan mot. 3 ph-4 poles 230/380V (std)	√	√	√	√					41101033	**498**
M	Fan mot. 3 ph-4/4 poles 400V 2 speed	√	√	√	√					41101043	**508**
M	Fan mot. 3 ph-4 poles 230/380V (std)					√	√	√	√	41101122	**856**
M	Fan mot. 3 ph-4/4 400V 2 speed poles					√	√	√	√	41101123	**864**
N	Heater connection box	√	√	√	√	√	√	√	√	41002193	**269**
P	Electric heater support	√	√	√	√	√	√	√	√	60112005	**6**
D	Inner drain-pan	√				√				60502056	**205**
D	Inner drain-pan		√				√			60502057	**179**
D	Inner drain-pan			√				√		60502058	**287**
D	Inner drain-pan				√				√	60502041	**305**
E	Drain 3" BSP male	√	√	√	√	√	√	√	√	60516001	**53**
F	Drain 3" BSP (ring nut)	√	√	√	√	√	√	√	√	60516003	**26**
G	Drain 3" BSP (gasket)	√	√	√	√	√	√	√	√	60516005	**1**
R	Defrost water distribution box - Large (= 10 rows)	√				√				60507139	**142**
R	Defrost water distribution box - Small (<10 rows)	√				√				60507155	**166**
R	Defrost water distribution box - Large		√				√			60507157	**266**
R	Defrost water distribution box - Small		√				√			60507140	**191**
R	Defrost water distribution box - Large			√				√		60507159	**164**
R	Defrost water distribution box - Large			√				√		60507160	**164**
R	Defrost water distribution box - Small			√				√		60507141	**153**
R	Defrost water distribution box - Small			√				√		60507142	**148**
R	Defrost water distribution box - Large				√				√	60507162	**232**
R	Defrost water distribution box - Large				√				√	60507163	**247**
R	Defrost water distribution box - Small				√				√	60507143	**231**
R	Defrost water distribution box - Small				√				√	60507144	**228**
H	Unit support	√	√	√	√	√	√	√	√	60512106	**14**
I	Cover plate of coil	√				√				60501074	**152**
I	Cover plate of coil		√				√			60501075	**183**
I	Cover plate of coil			√				√		60501076	**219**
I	Cover plate of coil				√				√	60501077	**371**
L	Fan cowl	√	√	√	√					60505198	**152**
L	Fan cowl					√	√	√	√	60505199	**134**
	Heater (drip tray) L = 2160 P = 1570W	√				√				41001062	**47**
	Heater (drip tray) L = 3160 P = 2400W		√				√			41001063	**61**
	Heater (drip tray)L = 4160 P = 3100W			√				√		41001064	**79**

AIRMAX

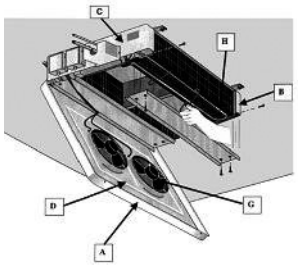


Position	Description
A	Right side panel
B	Left side panel
C	Drip tray
D	Inner drip tray
E	Drain 2" BSP male
F	Drain 2" BSP male (ring nut)
G	Drain 2" BSP male (gasket)
H	Unit support
I	Cover plate of coil
L	Fan cowl
M	Fan motor
N	Heater connection box
O	Hinger joint dx/sx
P	Electric element support
Q	Heater (coil) L = 2160 P = 1570W
R	Defrost water distribution box
S	Fan ring heater
T	Terminal box

Position	Description	Model								Code number	RCPL
		Ø 560 mm				Ø 630 mm					
		562	563	564	565	632	633	634	635		
	Heater (drip tray) L = 5160 P = 3600W				√				√	41001065	**94**
Q	Heater (coil) L = 2160 P = 1570W	√				√				41001062	**47**
Q	Heater (coil) L = 3160 P = 2400W		√				√			41001063	**61**
Q	Heater (coil) L = 4160 P = 3100W			√				√		41001064	**79**
Q	Heater (coil) L = 5160 P = 3600W				√				√	41001065	**94**
S	Fan ring heater	√	√	√	√	√	√	√	√	41001068	**38**
T	Terminal box					√	√	√	√	41002162	**36**

Ceiling			
Description	**Model**	**Code number**	**RCPL**
Electrical motors 400/460V 3Ph/50–60 Hz - std 4 poles	TFG fan 400 mm	41101215	**268**
Electrical motors 400/460V 3Ph/50–60 Hz - std 4 poles	BFG/BFB fan 400 mm	41101275	**277**
Electrical motors 230V/1Ph/50–60 Hz - 4 poles	TFG fan 400 mm	41101234	**232**
Electrical motors 230V/1Ph/50–60 Hz - 4 poles	BFG/BFB fan 400 mm	41101276	**242**
Electrical motors 230V/1Ph/50–60 Hz - 6 poles	TFG fan 400 mm	41101235	**266**
Electrical motors 230V/1Ph/50–60 Hz - 6 poles	BFG/BFB fan 400 mm	41101277	**277**
Electrical heater for coil*	**TFG/BFG/BFB**		
2 module length		41001046	**43**
3 module length		41001048	**50**
4 module length		41001050	**58**
5 module length		41001052	**72**
Electrical heater for drip tray *	**TFG/BFG/BFB**		
2 module length		41001045	**43**
3 module length		41001047	**52**
4 module length		41001049	**61**
5 module length		41001051	**77**
* Supply voltage: 230V/1Ph/50 Hz			

Top plastic casing



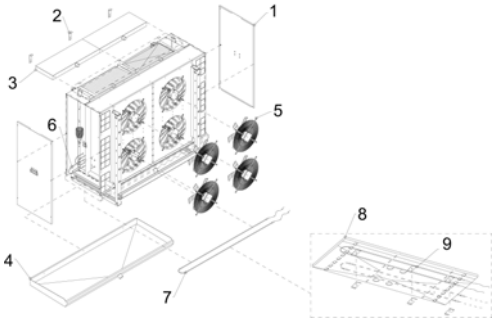
Position	Description
A	Drain 1" BSP male
B	Left side panel
C	Right side panel
D	Drip tray
E*	Right side rotating joint
F*	Left side rotating joint
G	Axial fan
H	Electrical defrost (kit)
(*)	not visible in the drawing

Position	Description	Model								Code number	RCPL
		TGL									
		31	32	33	34	35	36	37	38		
A	Drain 1" BSP male	√	√	√	√	√	√	√	√	60116001	**3**
A	Drain 1" BSP female	√	√	√	√	√	√	√	√	60116002	**3**
A	Drain 1" gasket	√	√	√	√	√	√	√	√	60116003	**1**
B	Left side panel	√	√	√	√	√	√	√	√	60403000	**41**
C	Right side panel	√	√	√	√	√	√	√	√	60403001	**41**
D	1 fan 300 drain-pan	√	√							60404000	**108**
D	2 fans 300 drain-pan			√	√					60404001	**185**
D	2 fans 350 drain-pan					√	√			60404002	**222**
D	3 fans 350 drain-pan							√	√	60404003	**341**
G	Axial fan motor1 ph-4 poles 230V d = 300 (std)	√	√	√	√					41101100	**152**
G	Axial fan motor1 ph-4 poles 230V d = 350 (std)					√	√	√	√	41101101	**179**
G	Axial fan motor1 ph-6 poles 230V d = 300	√	√	√	√					41101027	**150**
G	Axial fan motor1 ph-6 poles 230V d = 350					√	√	√	√	41101028	**171**
G	Axial fan motor. 3 ph-4 poles 400V d = 300	√	√	√	√					41100269	**253**
G	Axial fan motor 3 ph-4 poles 400V d = 350					√	√	√	√	41101026	**239**
H	Electrical defrost (kit)	√	√							11299908	**172**
H	Electrical defrost (kit)			√	√					11299909	**180**
H	Electrical defrost (kit)					√	√			11299910	**206**
H	Electrical defrost (kit)							√	√	11299911	**242**
	Cable electrical heater RS 70W (for drain pipe)	√	√	√	√	√	√	√	√	41001200	**18**
		TBL									
		61	62	63	64	65	66	67	68		
A	Drain 1" BSP male	√	√	√	√	√	√	√	√	60116001	**3**
A	Drain 1" BSP female	√	√	√	√	√	√	√	√	60116002	**3**
A	Drain 1" gasket	√	√	√	√	√	√	√	√	60116003	**1**
B	Left side panel	√	√	√	√	√	√	√	√	60403000	**41**
C	Right side panel	√	√	√	√	√	√	√	√	60403001	**41**
D	1 fan 300 drain-pan	√	√							60404000	**108**
D	2 fans 300 drain-pan			√	√					60404001	**185**
D	2 fans 350 drain-pan					√	√			60404002	**222**
D	3 fans 350 drain-pan							√	√	60404003	**341**
G	Axial fan motor1 ph-4 poles 230V d = 300 (std)	√	√	√	√					41101100	**152**
G	Axial fan motor1 ph-4 poles 230V d = 350 (std)					√	√	√	√	41101101	**179**
G	Axial fan motor1 ph-6 poles 230V d = 300	√	√	√	√					41101027	**150**
G	Axial fan motor1 ph-6 poles 230V d = 350					√	√	√	√	41101028	**171**
G	Axial fan motor3 ph-4 poles 400V d = 300	√	√	√	√					41100269	**253**
G	Axial fan motor 3 ph-4 poles 400V d = 350					√	√	√	√	41101026	**239**
H	Electrical defrost (kit)	√	√							11299908	**172**
H	Electrical defrost (kit)			√	√					11299909	**180**
H	Electrical defrost (kit)					√	√			11299910	**206**
H	Electrical defrost (kit)							√	√	11299911	**242**
	Cable electrical heater RS 70W (for drain pipe)	√	√	√	√	√	√	√	√	41001200	**18**

BIG TOP				
Position	**Description**	**Model**	**Code number**	**RCPL**
	Electrical motors 400V/3Ph/50 Hz - std 4 poles	ITR/ITB Ø 560mm	41101109	**513**
	Electric heater: coil and drip tray*	ITR/ITB		
	2 module length		41001062	**47**
	3 module length		41001063	**61**
	4 module length		41001064	**79**
* Supply voltage: 230V/1Ph/50 Hz				

Centrifugal Unit Coolers: ISC 150 Pa											
Description	**Model**									**Code number**	**RCPL**
	1412	**1612**	**1912**	**1416**	**1616**	**1916**	**2416**	**2616**	**2916**		
Fan: belt driven - double inlet	√	√	√	√	√	√	√	√	√	41103000	**863**
Motor fan	√	√	√							41100064	**325**
Motor fan				√	√	√	√	√	√	41100065	**407**
Belt	√									41120111	**15**
Belt		√	√							41120109	**15**
Belt				√						41120102	**15**
Belt					√	√				41120107	**16**
Belt							√	√	√	41120105	**17**
Filter pre-fil/MCF *	√	√	√	√	√	√	√	√	√	40901046	**56**
Fan pulley	√	√	√							41110105	**89**
Fan pulley				√	√	√	√	√	√	41110102	**94**
Pulley support	√	√	√	√	√	√	√	√	√	41110202	**15**
Motor pulley	√	√	√	√	√	√	√	√	√	41110106	**26**
Pulley support	√	√	√							41110203	**10**
Pulley support				√	√	√	√	√	√	41110200	**10**
(*) Filter pre-fil/MCF: RCPL is for each filter											
N. filter for model	4	4	4	4	4	4	8	8	8		

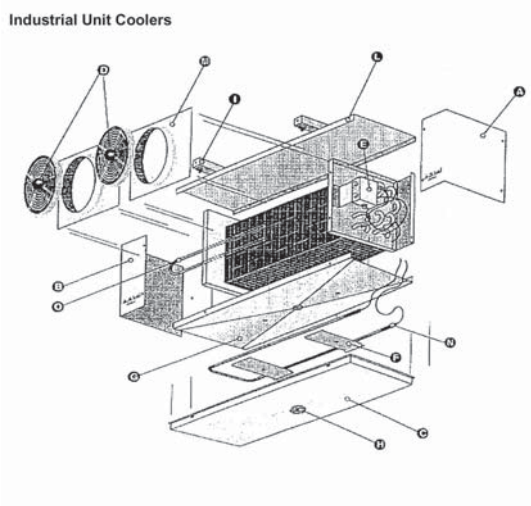
ALFABLAST



Position	Description
1	Lateral cover (right/left)
2	Drip tray
3	Fan motor
4	Heater (coil)
5	Heater (drip tray)
6	Lateral cover (right/left)

Posi-tion	Description	Specification	ABE - ABA Code							RCPL
			501	502	503	504	631	632	633	
1	Lateral cover (right/left)	Galvanize steel	60503378	60503378	60503378	60503378				**108**
1	Lateral cover (right/left)	Galvanize steel					60503379	60503379	60503379	**132**
1	Lateral cover (right/left)	Aluminium	60503380	60503380	60503380	60503380				**149**
1	Lateral cover (right/left)	Aluminium					60503381	60503381	60503381	**185**
1	Lateral cover (right/left)	Stainless steel	60503382	60503382	60503382	60503382				**427**
1	Lateral cover (right/left)	Stainless steel					60503383	60503383	60503383	**552**
2	Drip tray	Aluminium	60504200							**339**
2	Drip tray	Aluminium		60504202						**267**
2	Drip tray	Aluminium			60504204					**558**
2	Drip tray	Aluminium				60504206				**493**
2	Drip tray	Aluminium					60504208			**273**
2	Drip tray	Aluminium						60504210		**481**
3	Drip tray	Aluminium							60504212	**493**
2	Drip tray	Stainless steel	60504214							**398**
2	Drip tray	Stainless steel		60504216						**526**
2	Drip tray	Stainless steel			60504218					**686**
2	Drip tray	Stainless steel				60504220				**821**
2	Drip tray	Stainless steel					60504222			**526**
2	Drip tray	Stainless steel						60504224		**644**
2	Drip tray	Stainless steel							60504226	**821**
2	Insulated drip tray	Aluminium	60504201							**495**
2	Insulated drip tray	Aluminium		60504203						**634**
2	Insulated drip tray	Aluminium			60504205					**404**
2	Insulated drip tray	Aluminium				60504207				**652**
2	Insulated drip tray	Aluminium					60504209			**495**
2	Insulated drip tray	Aluminium						60504211		**622**
2	Insulated drip tray	Aluminium							60504213	**779**
2	Insulated drip tray	Stainless steel	60504215							**456**
2	Insulated drip tray	Stainless steel		60504217						**618**
2	Insulated drip tray	Stainless steel			60504219					**649**
2	Insulated drip tray	Stainless steel				60504221				**774**
2	Insulated drip tray	Stainless steel					60504223			**493**
2	Insulated drip tray	Stainless steel						60504225		**618**
2	Insulated drip tray	Stainless steel							60504227	**774**
3	Fan motor	3 ph 400V 50/60 Hz	41101278							**414**
3	Fan motor	3 ph 400V 50/60 Hz					41101260			**819**
4	Heater (coil)		41001078							**36**
4	Heater (coil)			41001080						**48**
4	Heater (coil)				41001082					**54**
4	Heater (coil)					41001083				**67**
4	Heater (coil)						41001079			**41**
4	Heater (coil)							41001081		**53**
4	Heater (coil)								41001083	**67**
5	Heater (drip tray)		41001078							**36**
5	Heater (drip tray)			41001080						**48**
5	Heater (drip tray)				41001082					**54**
5	Heater (drip tray)					41001083				**67**
5	Heater (drip tray)						41001079			**41**
5	Heater (drip tray)							41001081		**53**
5	Heater (drip tray)								41001083	**67**
6	Electric defrost heater sup. for drip tray		60112005							**6**

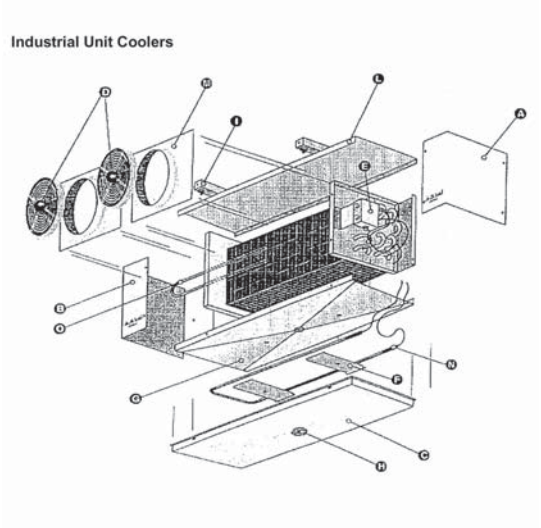
Industrial Unit Cooler IRL - IDL (out of production since 2000)



Position	Description
A	Right side panel
B	Left side panel
C	Drip tray
D	Fan motor
E	Heater connection box
F	Safety switch IP65 EMC
G	Inner drip tray
H*	Drain 2" BPS to 3" BSP male
I	Bracket support
L	Cover plate of coil
M	Fan cowl
N	Heater (drip tray)
O	Heater (coil)

Posi-tion	Description	Model													Code number	RCPL
		IRL							IBL							
		451	452	453	454	455	556	557	471	472	473	474	575	576	577	
A	Right side panel	√	√	√	√				√	√	√	√				60503014	**61**
A	Right side panel					√	√	√					√	√	√	60503016	**89**
B	Left side panel	√	√	√	√				√	√	√	√				60503013	**61**
B	Left side panel					√	√	√					√	√	√	60503015	**89**
C	Drip tray	√							√							60504000	**315**
C	Drip tray		√							√						60504001	**400**
C	Drip tray			√							√					60504002	**374**
C	Drip tray				√							√				60504003	**457**
C	Drip tray					√							√			60504004	**354**
C	Drip tray						√							√		60504005	**525**
C	Drip tray							√							√	60504006	**652**
D	Fan mot. 3 ph-4 poles	√	√	√	√				√	√	√	√				41101037	**381**
D	Fan mot. 3 ph-4/4 poles	√	√	√	√				√	√	√	√				41101036	**381**
D	Fan mot. 3 ph-4 poles					√	√	√					√	√	√	41101033	**498**
D	Fan mot. 3 ph-4/4 poles					√	√	√					√	√	√	41101043	**508**
E	Heater connection box	√	√	√	√	√	√	√	√	√	√	√	√	√	√	41002193	**269**
F	Electric element support	√	√	√	√	√	√	√	√	√	√	√	√	√	√	60112005	**6**
G	Inner drain-pan	√							√							60502000	**89**
G	Inner drain-pan		√							√						60502001	**112**
G	Inner drain-pan			√							√					60502002	**133**
G	Inner drain-pan				√							√				60502003	**162**
G	Inner drain-pan					√							√			60502004	**142**
G	Inner drain-pan						√							√		60502005	**269**
G	Inner drain-pan							√							√	60502006	**260**
H	Drain 2" BSP male	√	√	√	√				√	√	√	√				60516000	**47**
H	Drain 2" BSP male (ring nut)	√	√	√	√				√	√	√	√				60516002	**19**
H	Drain 2" BSP male (gasket)	√	√	√	√				√	√	√	√				60516004	**1**
H	Drain 3"BSP male					√	√	√					√	√	√	60516001	**53**
H	Drain 3" BSP male (ring nut)					√	√	√					√	√	√	60516003	**26**
H	Drain 3" BSP male (gasket)					√	√	√					√	√	√	60516005	**1**
I	Bracket support	√	√	√	√				√	√	√	√				60512000	**44**
I	Bracket support					√	√	√					√	√	√	60512001	**46**
L	Cover plate of coil	√							√							60501000	**99**
L	Cover plate of coil		√							√						60501001	**128**
L	Cover plate of coil			√							√					60501002	**149**
L	Cover plate of coil				√							√				60501003	**199**
L	Cover plate of coil					√							√			60501004	**148**
L	Cover plate of coil						√							√		60501005	**187**
L	Cover plate of coil							√							√	60501006	**253**

Industrial Unit Cooler IRL - IDL (out of production since 2000)



Position	Description
A	Right side panel
B	Left side panel
C	Drip tray
D	Fan motor
E	Heater connection box
F	Safety switch IP65 EMC
G	Inner drip tray
H*	Drain 2" BPS to 3" BSP male
I	Bracket support
L	Cover plate of coil
M	Fan cowl
N	Heater (drip tray)
O	Heater (coil)

Position	Description	Model													Code number	RCPL
		IRL							IBL							
		451	452	453	454	455	556	557	471	472	473	474	575	576	577	
M	Fan cowl	√	√	√	√				√	√	√	√				60505000	**74**
M	Fan cowl					√	√	√					√	√	√	60505001	**255**
N	Heater (drip tray)	√							√							41001054	**39**
N	Heater (drip tray)		√							√						41001055	**45**
N	Heater (drip tray)			√							√					41001056	**51**
N	Heater (drip tray)				√							√				41001057	**60**
N	Heater (drip tray)					√							√			41001062	**47**
N	Heater (drip tray)						√							√		41001063	**61**
N	Heater (drip tray)							√							√	41001064	**79**
O	Heater (coil)	√							√							41001054	**39**
O	Heater (coil)		√							√						41001055	**45**
O	Heater (coil)			√							√					41001056	**51**
O	Heater (coil)				√							√				41001057	**60**
O	Heater (coil)					√							√			41001062	**47**
O	Heater (coil)						√							√		41001063	**61**
O	Heater (coil)							√							√	41001064	**79**
	Electrical defrost (complete kit)	√							√							11299919	**318**
	Electrical defrost (complete kit)		√							√						11299920	**353**
	Electrical defrost (complete kit)			√							√					11299921	**405**
	Electrical defrost (complete kit)				√							√				11299922	**454**
	Electrical defrost (complete kit)					√							√			11299923	**962**
	Electrical defrost (complete kit)						√							√		11299924	**1141**
	Electrical defrost (complete kit)							√							√	11299925	**1358**
	Drain pipe heater RSI 100W	√	√	√	√	√	√	√	√	√	√	√	√	√	√	41001201	**28**
	Water defrost (complete kit)	√							√							11299926	**492**
	Water defrost (complete kit)		√							√						11299927	**603**
	Water defrost (complete kit)			√							√					11299928	**732**
	Water defrost (complete kit)				√							√				11299929	**895**
	Water defrost (complete kit)					√							√			11299930	**629**
	Water defrost (complete kit)						√							√		11299931	**918**
	Water defrost (complete kit)							√							√	11299932	**1057**

NOTE (*) Must be ordered together.

Alfa Laval Helpman Spare Parts

Fan motors - Air Coolers				
Power (W)	**Specifications**		**Article nr.**	**RCPL**
30	n = 1500 nom.	230/50/1	30.08.01	**263**
70	n = 1500 nom.	230/50/1	30.08.15	**340**
220	n = 1500 nom.	230/50/1	30.08.20	**400**
370	n = 1500 nom.	230/50/1	30.08.23	**580**
550	n = 1500 nom.	230/50/1	30.08.86	**656**
30	n = 1500 nom.	230/400/50/3	30.08.51	**263**
90	n = 1500 nom.	230/400/50/3	30.08.65	**340**
250	n = 1500 nom.	230/400/50/3	30.08.70	**400**
370	n = 1500 nom.	230/400/50/3	30.08.81	**445**
550	n = 1500 nom.	230/400/50/3	30.08.85	**505**
1100	n = 1500 nom.	230/400/50/3	30.07.11	**728**
1500	n = 1500 nom.	230/400/50/3	30.07.10	**794**
370/60	n = 1420/690	400/50/3	30.10.16	**540**
250	n = 1200 nom.	230/400/60/3	30.08.84	**636**
Fans PLV 13*/25*				
Motor	10 W	230/50/1	30.04.00	**145**
Fan blade	Ø 254 22°		29.06.01	**29**
Fan guard	Ø 254 mm Plastic		29.15.50	**35**
Mounting set for guard/motor				
Set 4 pieces M6			29.15.70	**16**
Set 4 pieces M8			29.15.99	**16**
Fan vibration dampers				
Complete set of 4 pieces			38.01.99	**28**
Rubber for vibration damper			37.04.03	**3**

Fan blades						
Type	**Motor**	**Fan blade specs.**			**Article nr.**	**RCPL**
	W	**Diameter mm**	**Angle**	**Ø Axle mm**		
LEX / LZX 2 - 7	30	254	36°	10	29.04.58	**46**
LEX / LZX 4/6/10/12 - 7	30	305	30°	10	29.04.54	**49**
LEX / LZX 8/18 - 7	70/90	356	27°	10	29.04.55	**54**
LEX / LZX 14/20 - 7	70/90	406	25°	10	29.04.56	**62**
LEX / LZX 16/22/26 - 7	220/250	457	22°	14	29.04.57	**79**
LEX / LZX 24/28/30 - 7	220/250	508	19°	14	29.04.73	**99**
LEX 2	30/100	254	36°	10	29.04.58	**46**
LEX 4/6/10/12	70/190	305	36°	10	29.04.42	**49**
LEX 8/18 - 400	90/190	356	32°	10	29.04.43	**54**
LXA 4, 6	70/90	305	36°	10	29.04.13	**49**
LXA 8, 18	70/90	356	32°	10	29.04.22	**54**
LXA 14, 20	70/90	406	25°	10	29.04.56	**62**
LXA 16, 22, 26	220/250	457	24°	14	29.04.24	**79**
LXA 17, 24, 28	370	508	26°	14	29.04.15	**99**
LFX 136-166	70/90	305	36°	10	29.04.42	**49**
LFX 246-286	70/90	356	32°	10	29.04.43	**54**
LFX 103-106	30	305	30°	10	29.04.54	**49**
LFX 204-208	30	356	27°	10	29.04.55	**54**
LFX 304-306	220/250	457	22°	14	29.04.57	**79**
LFX 405, 406	220/250	508	19°	14	29.04.73	**99**
PX 1-6	30	254	36°	10	29.04.58	**46**
PEX 1-5	30	254	40°	10	29.06.02	**97**
DPLX 40	30	254	36°	10	29.04.58	**46**
DPLX 52, 62	30	305	30°	10	29.04.54	**49**
DPLX 84	70/90	356	21°	10	29.04.64	**54**
DPLX 116	70/90	406	25°	10	29.04.56	**62**
LDX 14*/19*	220/250	457	16°	14	29.04.67	**79**
LDX 16*/22*/26*	220/250	457	22°	14	29.04.57	**79**
LDX 17*/24*/28*	220/250	508	19°	14	29.04.73	**99**
ZLD	220/250	508	19°	14	29.04.73	**99**
ZLD	370	508	23°	14	29.04.05	**99**
ZLD	550	508	29°	19	29.04.07	**99**
ZL	1500	610	24°	24	29.04.78	**201**

Fan guards					
Type	Ø Fan blade mm	Ø Motor flange mm	Bolt	Article nr.	RCPL
Fan guards	254	85	M6	29.15.01	**53**
Fan guards	305	85	M6	29.15.02	**64**
Fan guards	356	85	M6	29.15.07	**87**
Fan guards	406	85	M6	29.15.03	**104**
Fan guards	406	115	M8	29.15.04	**104**
Fan guards	457	115	M8	29.15.15	**129**
Fan guards	508	115	M8	29.15.05	**149**
LDX Fan guards square				46.19.70	**115**
LDX / THORD / ZLD motor support	457	115	M8	29.15.44	**108**
LDX / THORD motor support	508	115	M8	29.15.43	**122**
THOR-D / ZLD Fan guard	R 508		-	29.15.42	**145**
Wide spaced	508	115	M8	29.15.06	**129**

Complete fans LEX (motor/blade/guard)						
Air cooler type	Motor W	Fan blade specs. Diameter mm	Angle	ø Axle mm	Article nr.	RCPL
LEX 8/18 - 230	70/190	356	32°	10	29.29.01	**613**
LEX 14/20 - 230	220/370	406	30°	10	29.29.54	**701**
LEX 14/20 - 400	250/330	406	30°	10	29.29.51	**640**
LEX 16/22/26 - 230	220/370	457	28°	14	29.30.07	**683**
LEX 16/22/26 - 400	250/330	457	28°	14	29.30.02	**613**
LEX 24/28/30 - 230	370/500	508	23°	14	29.30.56	**814**
LEX 24/28/30 - 400	370/500	508	23°	14	29.30.50	**701**

Fans - THOR / TYR / ZLA															
Type cooler	Motor 400/50/3ph			Motor 230/50/1ph			Fan blade specs.					Fan guard		
	kW	Article nr.	RCPL	kW	Article nr.	RCPL	Ø mm	An-gle	Ø Axle mm	Article nr.	RCPL	Type	Article nr.	RCPL
Blow through fans n = 1500 THOR/TYR, THOR/TYR-F, THOR/TYR-T														
THOR 1	0.25	30.08.70	**400**	0.22	30.08.20	**400**	406	30°	14	29.04.59	**62**	406-115 M 8	29.15.04	**104**
THOR 2	0.25	30.08.70	**400**	0.22	30.08.20	**400**	457	22°	14	29.04.57	**79**	457-115 M 8	29.15.15	**129**
THOR 3	0.37	30.08.81	**445**	0.37	30.08.23	**580**	508	23°	14	29.04.05	**99**	508-115 M 8	29.15.05	**149**
THOR(-T) 3	0.55	30.08.85	**505**	0.55	30.08.86	**656**	508	29°	19	29.04.07	**99**	508-115 M 8	29.15.05	**149**
THOR 4	0.75	30.14.30	**674**				560	24°	19	29.04.32	**173**	R 560-80	29.15.86	**299**
THOR 5, THOR-T 4	1.20	30.14.31	**728**				560	32°	19	29.04.34	**173**	R 560-80	29.15.86	**299**
THOR 6	1.20	30.14.31	**728**				630	40°	19	29.16.13	**375**	BK 630/710	29.15.95	**310**
THOR 7	2.40	30.14.33	**945**				700	35°	24	29.16.21	**510**	BK 710/800	29.15.96	**320**
THOR-F 1	0.25	30.08.70	**400**	0.22	30.08.20	**400**	406	36°	14	29.04.66	**62**	406-115 M 8	29.15.04	**104**
THOR-F 2	0.25	30.08.70	**400**	0.22	30.08.20	**400**	457	28°	14	29.04.69	**80**	457-115 M 8	29.15.15	**129**
Draw through fans n = 1500 THOR/TYR, THOR/TYR-D, / THOR/TYR-A, ZLA														
THOR 1	0.25	30.08.70	**400**	0.22	30.08.20	**400**	406	30°	14	29.04.21	**62**	406-115 M 8	29.15.04	**104**
THOR 2	0.25	30.08.70	**400**	0.22	30.08.20	**400**	457	22°	14	29.04.57	**79**	457-115 M 8	29.15.15	**129**
THOR 3	0.37	30.08.81	**445**	0.37	30.08.23	**580**	508	23°	14	29.04.05	**99**	508-115 M 8	29.15.05	**149**
THOR 3	0.55	30.08.85	**505**	0.55	30.08.86	**656**	508	29°	19	29.04.41	**99**	508-115 M 8	29.15.05	**149**
THOR 4	0.75	30.14.30	**674**				560	24°	19	29.04.36	**173**	R 560-80	29.15.86	**299**
THOR 5	1.20	30.14.31	**728**				560	32°	19	29.04.38	**173**	R 560-80	29.15.86	**299**
THOR 6	1.20	30.14.31	**728**				630	40°	19	29.16.14	**375**	BK 560/630	29.15.94	**299**
THOR 7	2.40	30.14.33	**945**				700	35°	24	29.16.22	**510**	BK 630/710	29.15.95	**310**
THOR-A 1	0.25	30.08.70	**400**	0.22	30.08.20	**400**	406	30°	14	29.04.21	**62**	406-115 M 8	29.15.04	**104**
THOR-A 2	0.25	30.08.70	**400**	0.22	30.08.20	**400**	457	28°	14	29.04.23	**80**	457-115 M 8	29.15.15	**129**
THOR-A 3	0.55	30.08.85	**505**	0.55	30.08.86	**656**	508	29°	19	29.04.41	**99**	508-115 M 8	29.15.05	**149**
THOR-A 4	1.20	30.14.31	**728**				560	32°	19	29.04.38	**173**	R 560-80	29.15.86	**299**
THOR-D 2	0.25	30.08.70	**400**	0.22	30.08.20	**400**	457	22°	14	29.04.57	**79**	R 508	29.15.42	**145**
THOR-D 4	0.55	30.08.85	**505**	0.55	30.08.86	**656**	508	45°	19	29.16.46	**296**	R 508	29.15.42	**145**
ZLA 1	0.25	30.08.70	**400**	0.22	30.08.20	**400**	508	19°	14	29.04.73	**99**	508-115 M 8	29.15.05	**149**
ZLA 2	0.25	30.08.70	**400**	0.22	30.08.20	**400**	508	19°	14	29.04.73	**99**	508-115 M 8	29.15.05	**149**
ZLA 2	0.37	30.08.81	**445**	0.37	30.08.23	**580**	508	23°	14	29.04.05	**99**	508-115 M 8	29.15.05	**149**
ZLA 3	0.37	30.08.81	**445**	0.37	30.08.23	**580**	508	23°	14	29.04.05	**99**	508-115 M 8	29.15.05	**149**
ZLA 3	0.55	30.08.85	**504**	0.55	30.08.86	**655**	508	29°	19	29.04.41	**99**	508-115 M 8	29.15.05	**149**
ZLA 4	0.75	30.14.30	**674**				560	24°	19	29.04.36	**173**	R 560-80	29.15.86	**299**
ZLA 4	1.20	30.14.31	**728**				560	32°	19	29.04.38	**173**	R 560-80	29.15.86	**299**
ZLA 5	1.20	30.14.31	**728**				630	40°	19	29.16.14	**375**	BK 560/630	29.15.94	**299**
ZLA 6	1.20	30.14.31	**728**				700	25°	24	29.16.68	**728**	BK 630/710	29.15.95	**310**
ZLA 7	2.40	30.14.33	**944**				790	30°	24	29.16.69	**728**	BK 710/800	29.15.96	**320**
Draw through fans n = 1000 THOR/TYR-A, THOR/TYR-D, ZLA														
THOR-A 2	0.25	30.08.84	**636**				457	28°	14	29.04.23	**80**	457-115 M 8	29.15.15	**128**
THOR-A 3	0.25	30.08.84	**636**				508	29°	14	29.04.70	**99**	508-115 M 8	29.15.05	**148**
THOR-A 4	0.45	30.14.34	**674**				560	32°	14	29.04.39	**173**	R 560-80	29.15.86	**299**
THOR-D 2	0.25	30.08.84	**636**	0.18	30.10.11	**600**	457	22°	14	29.04.57	**79**	R 508	29.15.42	**145**
THOR-D 4	0.25	30.08.84	**636**	0.18	30.10.11	**600**	508	45°	14	29.16.52	**295**	R 508	29.15.42	**145**
ZLA 1	0.25	30.08.84	**623**				508	23°	14	29.04.05	**99**	508-115 M 8	29.15.05	**148**

Defrost elements					
Type	**Coil length cm**	**Shape**	**W**	**Article nr.**	**RCPL**
LEX-elements also suitable for LZX and LXA					
LEX 2	38	Hairpin	640	33.05.10	**105**
LEX 4, 6	44	Hairpin	880	33.05.11	**108**
LEX 8	57	Hairpin	1000	33.05.13	**115**
LEX 10, 12	88	Hairpin	1600	33.05.14	**133**
LEX 14	66	Hairpin	815	33.03.18	**119**
LEX 16	76	Hairpin	935	33.03.20	**125**
LEX 18	114	Hairpin	1390	33.03.26	**147**
LEX 20	132	Hairpin	1400	33.05.19	**156**
LEX 22, 24	152	Hairpin	1850	33.03.30	**165**
LEX 26, 28	229	Hairpin	3200	33.05.21	**209**
LEX 30	307	Hairpin	3700	33.03.44	**250**
LEX 30	307	Straight	2000	33.05.22	**204**
LFX 136	132	Hairpin	1400	33.05.19	**156**
LFX 146	176	Hairpin	2300	33.06.50	**182**
LFX 156	229	Hairpin	3200	33.05.21	**209**
LFX 166	263	Hairpin	3600	33.06.53	**226**
LFX 246	229	Hairpin	3200	33.05.21	**209**
LFX 256	307	Hairpin	3700	33.03.44	**250**
LFX 256	307	Straight	2000	33.05.22	**204**
LFX 266	328	Hairpin	3960	33.03.46	**263**
LFX 266	328	Straight	2100	33.07.68	**209**
LFX 276	382	Straight	2305	33.03.50	**186**
LFX 286	438	Straight	2640	33.03.54	**207**
PX 1	50	Hairpin	660	33.07.70	**111**
PX 2	100	Hairpin	1160	33.07.71	**140**
PX 3	150	Hairpin	1660	33.07.72	**165**
PX 4	200	Hairpin	2160	33.07.73	**193**
PX 5	250	Hairpin	3000	33.03.40	**222**
PX 6	300	Hairpin	3700	33.03.43	**247**
PX 6	300	Straight	1800	33.07.75	**199**
PLV 1*			770	33.07.44	**111**
PLV 2*			1400	33.07.46	**137**
LDX 14*/16*/17*	76	Hairpin	935	33.03.20	**125**
LDX 19*/22*/24*	152	Hairpin	1850	33.03.30	**165**
LDX 26*/28*	229	Hairpin	3200	33.05.21	**209**
THOR-elements (also suitable for TYR, THOR/TYR-D, THOR/TYR-A, THOR/TYR-F) & THOR/TYR-T					
THOR 11* / 21* / 31*, THOR-T 32*	80	Hairpin	1060	33.03.21	**129**
THOR 12* / 22* / 32*, THOR-T 34*	160	Hairpin	2020	33.03.31	**169**
THOR 13* / 23* / 33*, THOR-T 36*	240	Hairpin	2980	33.03.39	**213**
THOR 14* / 24* / 34*, THOR-T 38*	320	Hairpin	3940	33.03.45	**256**
THOR 15* / 25* / 35*	400	Straight	2450	33.03.52	**193**
THOR 16* / 26* / 36*	480	Straight	2930	33.03.58	**224**
THOR 17* / 27*	560	Straight	3410	33.03.63	**254**
THOR 41* / 51*, THOR-T 42*	100	Hairpin	1220	33.03.24	**140**
THOR 42* / 52*, THOR-T 44*	200	Hairpin	2460	33.03.36	**193**
THOR 43* / 53*, THOR-T 46*	300	Hairpin	3700	33.03.43	**247**
THOR 44* / 54*, THOR-T 48*	400	Straight	2450	33.03.52	**193**
THOR 45* / 55*	500	Straight	3050	33.03.60	**235**
THOR 46*	600	Straight	3650	33.03.64	**272**
THOR 61*	120	Hairpin	1540	33.03.27	**149**
THOR 62*	240	Hairpin	2980	33.03.39	**213**
THOR 63*	360	Hairpin	4420	33.03.48	**279**
THOR 64*	480	Straight	2930	33.03.58	**224**
THOR 65*	600	Straight	3650	33.03.64	**272**
THOR 71*	160	Hairpin	2020	33.03.31	**169**
THOR 72*	320	Hairpin	3940	33.03.45	**256**
THOR 73*	480	Straight	2930	33.03.58	**224**
Clips for fixing defrost element in drip tray				33.08.19	**1**
Clips (older model)				33.08.17	**1**

Heating elements					
Type	**Current**	**W**	**Cooler**	**Article nr.**	**RCPL**
HR-9	230/1	500	LEX 2	124	on request
HR-14/17	230/1	625	LEX 4-6	142	on request
HR-28	230/1	1200	LEX 8	163	on request
HR-30/36	230/1	1700	LEX 10-12	239	on request
HR-37	230/1	1390	LEX 14	33.07.23	on request
HR-48	230/400/3	2500	LEX 16	33.07.24	on request
HR-55	230/400/3	3500	LEX 18	33.07.25	on request
HR-74	230/400/3	3900	LEX 20	33.07.26	on request
HR-97	230/400/3	4350	LEX 22-24	33.07.27	on request
HR-145	230/400/3	6650	LEX 26-28	33.07.28	on request
Etirex Heating elements					
Type	**V**	**Length L**	**W**	**Article nr.**	**RCPL**
ARI 25 005 U2	230/1	300	500	33.12.03	**260**
ARI 25 007 U2	230/1	415	750	33.12.04	**275**
ARI 25 010 U2	230/1	500	1000	33.12.05	**289**
ARI 25 012 U2	230/1	625	1250	33.12.06	**309**
ARI 25 015 U2	230/1	750	1500	33.12.07	**336**
ARI 25 017 U2	230/1	875	1750	33.12.08	**359**
ARI 25 020 U2	230/1	1000	2000	33.12.09	**378**
ARI 25 025 U2	230/1	1250	2500	33.12.10	**447**
ARI 25 030 U2	230/1	1500	3000	33.12.11	**503**
ARI 40 012 U4	400/1	365	1250	33.12.31	**365**
ARI 40 017 U4	400/1	515	1750	33.12.32	**393**
ARI 25 020 U4	400/1	1000	2000	33.12.18	**447**
ARI 40 020 U4	400/1	590	2000	33.12.33	**414**
ARI 40 025 U4	400/1	740	2500	33.12.34	**470**
ARI 40 030 U4	400/1	890	3000	33.12.36	**503**
ARI 40 035 U4	400/1	1040	3500	33.12.37	**547**
ARI 40 040 U4	400/1	1190	4000	33.12.38	**617**
ARI 40 045 U4	400/1	1340	4500	33.12.39	**633**
ARI 40 050 U4	400/1	1490	5000	33.12.40	**662**
ARI 40 060 U4	400/1	1640	6000	33.12.41	**751**
Mounting brackets for etirex elements					
LEX				46.03.27	Free
THOR				46.03.28	Free

Fan ring heater[2]					
Fan diameter	**V**	**W**		**Article nr.**	**RCPL**
Ø 356 mm	230/1	350 W	Ring element	33.11.08	**144**
Ø 406 mm	230/1	400 W	Ring element	33.11.07	**144**
Ø 457 mm	230/1	450 W	Ring element	33.11.06	**169**
Ø 508 mm	230/1	500 W	Ring element	33.11.05	**195**
Ø 557 mm	230/1	500 W	Ring element	33.11.05	**195**
Ø 560 mm	230/1	300 W	Heater tape	83.03.00	**327**
Ø 630 mm	230/1	325 W	Heater tape	83.03.02	**353**
Ø 710 mm	230/1	350 W	Heater tape	83.03.04	**388**
Ø 800 mm	230/1	400 W	Heater tape	83.03.06	**436**
Ø 900 mm	230/1	450 W	Heater tape	83.03.08	**493**

1) incl. mounting clips (art. nr. 33.08.05)
2) incl. mounting clips, up to Ø 557 (art. nr. 33.08.06)

Casing				
Type	Drip tray		Side panel	
	Article nr.	RCPL	Article nr.	RCPL
LEX 2	46.17.50	**175**	46.17.60	**60**
LEX 4	46.17.51	**184**	46.17.61	**71**
LEX 6	46.17.52	**201**	46.17.62	**78**
LEX 8	46.17.53	**209**	46.17.63	**75**
LEX 10	46.17.54	**224**	46.17.61	**71**
LEX 12	46.17.55	**260**	46.17.62	**78**
LEX 14	46.15.65	**222**	46.15.96	**92**
LEX 16	46.15.57	**250**	46.15.85	**106**
LXA 17	46.54.36	**261**	46.15.86	**133**
LEX 18	46.15.66	**364**	46.15.97	**82**
LEX 20	46.15.67	**400**	46.15.96	**92**
LEX 22	46.15.60	**413**	46.15.85	**106**
LEX 24	46.15.61	**467**	46.15.86	**133**
LEX 26	46.15.62	**546**	46.15.85	**106**
LEX 28	46.15.63	**592**	46.15.86	**133**
LEX 30	46.15.64	**951**	46.15.86	**133**
PX 1	46.09.21	**329**	46.10.93	**48**
PX 2	46.09.22	**364**	46.10.93	**48**
PX 3	46.09.23	**467**	46.10.93	**48**
PX 4	46.09.24	**518**	46.10.93	**48**
PX 5	46.09.25	**615**	46.10.94	**55**
PX 6	46.09.26	**806**	46.10.94	**55**
LFX 136	46.20.66	**500**		
LFX 146	46.20.67	**526**		
LFX 156	46.20.68	**546**		
LFX 166	46.20.69	**620**		
LDX 14*/16*/17*	46.19.25	**289**		
LDX 19*/22*/24*	46.19.26	**406**		
LDX 26*/28*	46.19.27	**493**		
DPLX 40/52	46.09.71	**452**		
DPLX 62/84	46.09.72	**540**		
DPLX 116	46.09.73	**674**		

PLV				
	Drip tray		Fan plate	
	Article nr.	RCPL	Article nr.	RCPL
PLV 1* - Ceiling mounting			46.10.15	**97**
PLV 2* - Ceiling mounting			46.10.16	**131**
PLV 1* - Wall mounting	46.10.21	**88**	46.10.17	**97**
PLV 2* - Wall mounting	46.10.22	**116**	46.10.18	**131**

Drip tray drain parts	Article nr.	RCPL
Tule	37.04.02	**2**
Cu bend	42.03.48	**3**
Sock	22.02.98	**2**
Drain	22.02.23	**6**

* Price per brace. Each brace is delivered with:
- 2 aluminium rings Ø 40 L=23 (art. nr. 22.02.30)
- 2 hammer head bolts JB M10x 50 4.6 electrolytically galv.(art.nr.38.14.75).

Copper		
Type	Article nr.	RCPL
Copper bends		
1/2" x 38 mm c.t.c. (TZ-TX)	42.03.05	**2**
1/2" x 76 mm c.t.c. (TX spec)	42.03.11	**5**
5/8" x 38 mm c.t.c. (Z)	42.03.01	**3**
5/8" x 50 mm c.t.c. (R)	42.03.03	**4**
Copper bottom		
22 mm	12.02.52	**2**
28 mm	12.02.53	**3**
35 mm	12.02.54	**3**
42 mm	12.02.55	**4**
54 mm	12.02.56	**5**
67 mm	12.02.57	**6**
80 mm	12.02.58	**12**

Alfa Laval Fincoil Spare Parts

Electric Defrosting

Product	pcs	Coil Defrosting	Part n:o	RCPL	pcs	Drip tray defrosting	Part n:o	RCPL	pcs	Fan opening	Part n:o	RCPL
		Heat. rod				Heat. rod				Heat. rod		
Type		Type		€		Type		€		Type		€
FHB-1	2	2x240W, 690 mm	187,096	**88**	1	1X500W, 2190 mm	2,964	**135**	1	1X150W, 1000 mm	192,286	**93**
FHB-2	3	2x240W, 690 mm	187,096	**88**	1	1X500W, 2190 mm	2,964	**135**	1	1X150W, 1000 mm	192,286	**93**
FHB-3	4	2x240W, 690 mm	187,096	**88**	1	1X500W, 2190 mm	2,964	**135**	1	1X150W, 1000 mm	192,286	**93**
FHB-4	4	2x320W, 890 mm	187,104	**90**	1	1X600W, 2590 mm	2,980	**150**	1	1X200W, 1250 mm	3,152	**93**
FHB-5	3	2X480W, 1290 mm	187,112	**94**	1	1X800W, 3390 mm	3,004	**185**	2	1X150W, 1000 mm	192,286	**93**
FHB-6	5	2x320W, 890 mm	187,104	**90**	1	1X600W, 2590 mm	2,980	**150**	1	1X200W, 1250 mm	3,152	**93**
FHB-7	4	2X480W, 1290 mm	187,112	**94**	1	1X800W, 3390 mm	3,004	**185**	2	1X150W, 1000 mm	192,286	**93**
FHB-8	3	2X640W, 1690 mm	187,120	**94**	1	2X500W, 2140 mm	3,046	**138**	3	1X150W, 1000 mm	192,286	**93**
FHB-9	6	2x320W, 890 mm	187,104	**90**	1	1X600W, 2590 mm	2,980	**150**	1	1X250W, 1550 mm	3,160	**112**
FHB-10	4	2X640W, 1690 mm	187,120	**94**	1	2X500W, 2140 mm	3,046	**138**	3	1X150W, 1000 mm	192,286	**93**
FHB-11	3	2X800W, 2090 mm	187,138	**112**	1	2X600W, 2490 mm	3,053	**166**	4	1X150W, 1000 mm	192,286	**93**
FHB-12	4	2X640W, 1690 mm	187,120	**94**	1	2X500W, 2140 mm	3,046	**138**	2	1X200W, 1250 mm	3,152	**93**
FHB-13	4	2X800W, 2090 mm	187,138	**112**	1	2X600W, 2490 mm	3,053	**166**	4	1X150W, 1000 mm	192,286	**93**
FHB-14	5	2X640W, 1690 mm	187,120	**94**	1	2X500W, 2140 mm	3,046	**138**	2	1X200W, 1250 mm	3,152	**93**
FHB-15	5	2X800W, 2090 mm	187,138	**112**	1	2X600W, 2490 mm	3,053	**166**	2	1X200W, 1250 mm	3,152	**93**
FHB-16	4	2X960W, 2490 mm	187,146	**107**	1	2X700W, 2990 mm	3,061	**193**	3	1X200W, 1250 mm	3,152	**93**
FHB-17	6	2X640W, 1690 mm	187,120	**94**	1	2X500W, 2140 mm	3,046	**138**	2	1X250W, 1550 mm	3,160	**112**
FHB-18	5	2X960W, 2490 mm	187,146	**107**	1	2X700W, 2990 mm	3,061	**193**	3	1X200W, 1250 mm	3,152	**93**
FHB-19	6	2X800W, 2090 mm	187,138	**112**	1	2X600W, 2490 mm	3,053	**166**	2	1X250W, 1550 mm	3,160	**112**
FHB-20	6	2X800W, 2090 mm	187,138	**112**	1	2X600W, 2490 mm	3,053	**166**	2	1X250W, 1550 mm	3,160	**112**
FHB-21	4	2X1280W, 3290 mm	187,088	**122**	1	2X900W, 3690 mm	3,079	**173**	4	1X200W, 1250 mm	3,152	**93**
FHB-22	6	2X960W, 2490 mm	187,146	**107**	1	2X700W, 2990 mm	3,061	**193**	2	1X250W, 1550 mm	3,160	**112**
FHB-23	5	2X1280W, 3290 mm	187,088	**122**	1	2X900W, 3690 mm	3,079	**173**	4	1X200W, 1250 mm	3,152	**93**
FHB-24	6	2X960W, 2490 mm	187,146	**107**	1	2X700W, 2990 mm	3,061	**193**	3	1X250W, 1550 mm	3,160	**112**
FHB-25	6	2X1080W, 2790 mm	187,153	**129**	1	1X500W, 2190 mm	2,964	**135**	3	1X250W, 1550 mm	3,160	**112**
					1	2X700W, 2990 mm	3,061	**193**				
FHB-26	6	2X1280W, 3290 mm	187,088	**122**	1	2X900W, 3690 mm	3,079	**173**	4	1X250W, 1550 mm	3,160	**112**
FHB-27	6	2X1440W, 3690 mm	187,161	**162**	1	2X1100W, 4490 mm	3,087	**271**	4	1X250W, 1550 mm	3,160	**112**
FHC-1	10	2X640W, 1690 mm	187,120	**94**	2	2X500W, 2140 mm	3,046	**138**	2	1X250W, 1550 mm	3,160	**112**
FHC-2	10	2X800W, 2090 mm	187,138	**112**	2	2X600W, 2490 mm	3,053	**166**	2	1X250W, 1550 mm	3,160	**112**
FHC-3	10	2X960W, 2490 mm	187,146	**107**	2	2X700W, 2990 mm	3,061	**193**	3	1X250W, 1550 mm	3,160	**112**
FHC-4	10	2X1080W, 2790 mm	187,153	**129**	2	2X700W, 2990 mm	3,061	**193**	3	1X250W, 1550 mm	3,160	**112**
FHC-5	10	2X1280W, 3290 mm	187,088	**122**	2	2X900W, 3690 mm	3,079	**173**	4	1X250W, 1550 mm	3,160	**112**
FHC-6	12	2X960W, 2490 mm	187,146	**107**	2	2X700W, 2990 mm	3,061	**193**	2	1X300W,1850 mm	3,178	**134**
FHC-7	12	2X1080W, 2790 mm	187,153	**129**	2	2X700W, 2990 mm	3,061	**193**	2	1X300W,1850 mm	3,178	**134**
FHC-8	10	2X1440W, 3690 mm	187,161	**162**	1	2X1100W, 4490 mm	3,087	**271**	4	1X250W, 1550 mm	3,160	**112**
					1	2X900W, 3690 mm	3,079	**173**				
FHC-9	20	2X960W, 2490 mm	187,146	**107**	1	2X900W, 3690 mm	3,079	**173**	2	1X300W,1850 mm	3,178	**134**
					1	2X700W, 2990 mm	3,061	**193**				
FHC-10	16	2X960W, 2490 mm	187,146	**107**	1	2X700W, 2990 mm	3,061	**193**	2	1X350W, 2150 mm	192,294	**107**
FHC-11	18	2X960W, 2490 mm	187,146	**107**	2	2X700W, 2990 mm	3,061	**193**	2	1X350W, 2150 mm	192,294	**107**
FHC-12	16	2X1080W, 2790 mm	187,153	**129**	2	2X700W, 2990 mm	3,061	**193**	2	1X350W, 2150 mm	192,294	**107**
FHC-13	12	2X1440W, 3690 mm	187,161	**162**	1	2X1100W, 4490 mm	3,087	**271**	3	1X300W,1850 mm	3,178	**134**
					1	2X900W, 3690 mm	3,079	**173**				
FHC-14	18	2X1080W, 2790 mm	187,153	**129**	2	2X700W, 2990 mm	3,061	**193**	2	1X350W, 2150 mm	192,294	**107**
FHC-15	24	2X960W, 2490 mm	187,146	**107**	1	2X900W, 3690 mm	3,079	**173**	2	1X350W, 2150 mm	192,294	**107**
					1	2X700W, 2990 mm	3,061	**193**				
FHC-16	20	2X1280W, 3290 mm	187,088	**122**	3	2X900W, 3690 mm	3,079	**173**	3	1X300W,1850 mm	3,178	**134**
FHC-17	26	2X960W, 2490 mm	187,146	**107**	1	2X900W, 3690 mm	3,079	**173**	2	1X350W, 2150 mm	192,294	**107**
					1	2X700W, 2990 mm	3,061	**193**				
FHC-18	24	2X1080W, 2790 mm	187,153	**129**	3	2X700W, 2990 mm	3,061	**193**	2	1X350W, 2150 mm	192,294	**107**
FHC-19	20	2X1440W, 3690 mm	187,161	**162**	3	2X900W, 3690 mm	3,079	**173**	3	1X300W,1850 mm	3,178	**134**
FHC-20	16	2X1440W, 3690 mm	187,161	**162**	1	2X1100W, 4490 mm	3,087	**271**	3	1X350W, 2150 mm	192,294	**107**
					1	2X900W, 3690 mm	3,079	**173**				
FHC-21	18	2X1440W, 3690 mm	187,161	**162**	1	2X1100W, 4490 mm	3,087	**271**	3	1X350W, 2150 mm	192,294	**107**
					1	2X900W, 3690 mm	3,079	**173**				
FHC-22	26	2X1280W, 3290 mm	187,088	**122**	3	2X900W, 3690 mm	3,079	**173**	3	1X350W, 2150 mm	192,294	**107**
FHC-23	24	2X1440W, 3690 mm	187,161	**162**	3	2X900W, 3690 mm	3,079	**173**	3	1X350W, 2150 mm	192,294	**107**
FHC-24	26	2X1440W, 3690 mm	187,161	**162**	3	2X900W, 3690 mm	3,079	**173**	3	1X350W, 2150 mm	192,294	**107**

Product	pcs	Coil Defrosting	Part n:o	RCPL	pcs	Drip tray defrosting	Part n:o	RCPL	pcs	Fan opening	Part n:o	RCPL
		Heat. rod				Heat. rod				Heat. rod		
Type		Type		€		Type		€		Type		€
AHB-1	3	2x240W, 690 mm	187,096	**88**	1	1X900X380 400W	204,933	**158**	1	1X150W, 1000 mm	192,286	**93**
AHB-2	3	2x320W, 890 mm	187,104	**90**	1	1X1140X420 500W	204,941	**258**	1	1X200W, 1250 mm	3,152	**93**
AHB-3	5	2x320W, 890 mm	187,104	**90**	1	1X1120X600 750 W	204,974	**204**	1	1X200W, 1250 mm	3,152	**93**
AHB-4	8	2x320W, 890 mm	187,104	**90**	1	1X1120X600 750 W	204,974	**204**	1	1X250W, 1550 mm	3,160	**112**
AHB-5	5	2X480W, 1290 mm	187,112	**94**	1	1X1340X600 900W	44,586	**220**	2	1X200W, 1250 mm	3,152	**93**
AHB-6	5	2X640W, 1690 mm	187,120	**94**	1	2X900X600 1200W	204,958	**254**	2	1X200W, 1250 mm	3,152	**93**
AHB-7	8	2X640W, 1690 mm	187,120	**94**	1	2X900X600 1200W	204,958	**254**	2	1X250W, 1550 mm	3,160	**112**
AHB-8	5	2X960W, 2490 mm	187,146	**107**	1	2X1340X600 1800W	44,594	**367**	3	1X200W, 1250 mm	3,152	**93**
AHB-9	8	2X960W, 2490 mm	187,146	**107**	1	2X1340X600 1800W	44,594	**367**	3	1X250W, 1550 mm	3,160	**112**
AHB-10	10	2X800W, 2090 mm	187,138	**112**	1	2X1120X600 1500W	204,982	**282**	3	1X250W, 1550 mm	3,160	**112**
AHB-11	8	2X1280W, 3290 mm	187,088	**122**	1	4X900X600 2400W	204,966	**364**	4	1X250W, 1550 mm	3,160	**112**
AHB-12	10	2X1280W, 3290 mm	187,088	**122**	1	4X900X600 2400W	204,966	**364**	4	1X250W, 1550 mm	3,160	**112**
AHB-13	10	2X1440W, 3690 mm	187,161	**162**	1	3X1340X600 2700W	68,213	**390**	5	1X250W, 1550 mm	3,160	**112**

Product	pcs	Coil Defrosting	Part n:o	RCPL	pcs	Drip tray defrosting	Part n:o	RCPL	pcs	Fan opening	Part n:o	RCPL
		Heat. rod				Heat. rod				Heat. rod		
Type		Type		€		Type		€		Type		€
PB-1	4	2x320W, 890 mm	187,104	**90**	1	1X1140X420 500W	204,941	**258**	1	1X200W, 1250 mm	3,152	**93**
PB-2	8	2X320W, 1090 mm	2,584	**93**	1	1X1300X420 600W	214,338	**285**	1	1X250W, 1550 mm	3,160	**112**
PB-3	4	2X640W, 1690 mm	187,120	**94**	1	2X900X380 800W	205,088	**275**	2	1X200W, 1250 mm	3,152	**93**
PB-4	5	2X800W, 2090 mm	187,138	**112**	1	2X1140X420 1000W	205,005	**297**	2	1X250W, 1550 mm	3,160	**112**
PB-5	5	2X1080W, 2790 mm	187,153	**129**	1	2X1500X420 1400W	205,104	**367**	3	1X250W, 1550 mm	3,160	**112**
PB-6	5	2X1280W, 3290 mm	187,088	**122**	1	3X1140X420 1500W	205,112	**395**	4	1X250W, 1550 mm	3,160	**112**
PB-7	14	2X960W, 2490 mm	187,146	**107**	2	2X600W, 2490 mm	3,053	**166**	2	1X300W,1850 mm	3,178	**134**
PB-8	18	2X960W, 2490 mm	187,146	**107**	3	2X600W, 2490 mm	3,053	**166**	2	1X300W,1850 mm	3,178	**134**
PB-9	14	2X1280W, 3290 mm	187,088	**122**	2	2X900W, 3690 mm	3,079	**173**	3	1X300W,1850 mm	3,178	**134**
PB-10	16	2X1080W, 2790 mm	187,153	**129**	2	2X700W, 2990 mm	3,061	**193**	2	1X350W, 2150 mm	192,294	**107**
PB-11	21	2X1080W, 2790 mm	187,153	**129**	3	2X700W, 2990 mm	3,061	**193**	2	1X350W, 2150 mm	192,294	**107**
PB-12	16	2X1440W, 3690 mm	187,161	**162**	2	2X900W, 3690 mm	3,079	**173**	3	1X350W, 2150 mm	192,294	**107**

Product	pcs	Coil Defrosting	Part n:o	RCPL	pcs	Drip tray defrosting	Part n:o	RCPL	pcs	Fan opening	Part n:o	RCPL
		Heat. rod				Heat. rod				Heat. rod		
Type		Type		€		Type		€		Type		€
PC-1	1	2x130W, 515 mm	2,501	**125**	1	1X480X260 150W	214,346	**172**				
PC-1B	1	2x320W, 890 mm	187,104	**90**	1	2X480X260 300W	214,353	**206**				
PC-2	1	2x320W, 890 mm	187,104	**90**	1	2X480X260 300W	214,353	**206**				
PC-3	1	2X480W, 1290 mm	187,112	**94**	1	3X480X260 450W	214,361	**231**				
PC-4	2	2x240W, 690 mm	187,096	**88**	1	1X720X350 300W	214,379	**222**				
PC-5	3	2x240W, 690 mm	187,096	**88**	1	1X720X350 300W	214,379	**222**				
PC-6	2	2X480W, 1290 mm	187,112	**94**	1	2X720X350 600W	214,387	**274**				
PC-7	3	2X480W, 1290 mm	187,112	**94**	1	2X720X350 600W	214,387	**274**				
PC-8	4	2x320W, 890 mm	187,104	**90**	1	1X1140X420 500W	204,941	**258**				
PC-9	5	2X320W, 1090 mm	2,584	**93**	1	1X1300X420 600W	214,338	**285**				
PC-10	4	2X640W, 1690 mm	187,120	**94**	1	2X900X380 800W	205,088	**275**				
PC-11	5	2X800W, 2090 mm	187,138	**112**	1	2X1140X420 1000W	205,005	**297**				
PC-12	6	2X640W, 1690 mm	187,120	**94**	1	2X900X380 800W	205,088	**275**				
PC-13	6	2X800W, 2090 mm	187,138	**112**	1	2X1140X420 1000W	205,005	**297**				
PC-14	6	2X960W, 2490 mm	187,146	**107**	1	2X1300X420 1200W	205,096	**341**				
PC-15	6	2X1280W, 3290 mm	187,088	**122**	1	3X1140X420 1500W	205,112	**395**				
PC-101	1	2x130W, 515 mm	2,501	**125**	1	1X480X260 150W	214,346	**172**				
PC-102	1	2x320W, 890 mm	187,104	**90**	1	2X480X260 300W	214,353	**206**				
PC-103	2	2x240W, 690 mm	187,096	**88**	1	1X720X350 300W	214,379	**222**	1	1X150W, 1000 mm	192,286	**93**
PC-104	1	2X480W, 1290 mm	187,112	**94**	1	3X480X260 450W	214,361	**231**				
PC-105	3	2x240W, 690 mm	187,096	**88**	1	1X720X350 300W	214,379	**222**	1	1X150W, 1000 mm	192,286	**93**
PC-106	3	2X320W, 1090 mm	2,584	**93**	2	1x1165x230 275 W	11,430	**180**	2	1X150W, 1000 mm	192,286	**93**
PC-107	3	2X480W, 1290 mm	187,112	**94**	1	2X720X350 600W	214,387	**274**	2	1X150W, 1000 mm	192,286	**93**
PC-108	4	2x320W, 890 mm	187,104	**90**	1	1X1140X420 500W	204,941	**258**	1	1X200W, 1250 mm	3,152	**93**
PC-109	5	2X320W, 1090 mm	2,584	**93**	1	1X1300X420 600W	214,338	**285**	1	1X200W, 1250 mm	3,152	**93**
PC-110	3	2X640W, 1690 mm	187,120	**94**	1	2X900X380 800W	205,088	**275**	3	1X200W, 1250 mm	3,152	**93**
PC-111	4	2X640W, 1690 mm	187,120	**94**	1	2X900X380 800W	205,088	**275**	2	1X200W, 1250 mm	3,152	**93**
PC-112	5	2X800W, 2090 mm	187,138	**112**	1	2X1140X420 1000W	205,005	**297**	2	1X200W, 1250 mm	3,152	**93**
PC-113	4	2X960W, 2490 mm	187,146	**107**	1	2X1300X420 1200W	205,096	**341**	3	1X200W, 1250 mm	3,152	**93**
PC-114	6	2X640W, 1690 mm	187,120	**94**	1	2X900X380 800W	205,088	**275**	2	1X250W, 1550 mm	3,160	**112**
PC-115	6	2X800W, 2090 mm	187,138	**112**	1	2X1140X420 1000W	205,005	**297**	2	1X250W, 1550 mm	3,160	**112**
PC-116	6	2X960W, 2490 mm	187,146	**107**	1	2X1300X420 1200W	205,096	**341**	3	1X250W, 1550 mm	3,160	**112**

Product	pcs	Coil Defrosting	Part n:o	RCPL	pcs	Drip tray defrosting	Part n:o	RCPL	pcs	Fan opening	Part n:o	RCPL
		Heat. rod				Heat. rod				Heat. rod		
Type		Type		€		Type		€		Type		€
FSS-1	2	2x165W, 365 mm	2,493	**92**	1							
FSS-1	2	TP450/750 440V	3,244	**171**	1	TR1X500W 2250	3,277	**142**				
FSS-2	3	TP450/750 440V	3,244	**171**	1	TR1X500W 2250	3,277	**142**				
FSS-3	3	TP650/1000 440V	3,251	**185**	1	TR1X1000W 3430	3,285	**155**				
FSS-4	3	TP900/1250 440V	3,269	**189**	1	TR1X1000W 3430	3,285	**155**				
FSS-5	4	TP900/1250 440V	3,269	**189**	1	TR1X1000W 3430	3,285	**155**				
FSS-6	5	TP900/1250 440V	3,269	**189**	1	TR1X1000W 3430	3,285	**155**				

Prod-uct	pcs	Coil Defrosting	Part n:o	RCPL	pcs	Drip tray defrosting	Part n:o	RCPL	pcs	Fan opening	Part n:o	RCPL
		Heat. rod				Heat. rod				Heat. rod		
Type		Type		€		Type		€		Type		€
AKP-01	5	2X480W, 1290 mm	187,112	**94**	2	1X600W, 2590 mm	2,980	**150**				
					1	1X800W, 3390 mm	3,004	**185**				
AKP-02	5	2X640W, 1690 mm	187,120	**94**	2	1X800W, 3390 mm	3,004	**185**				
					1	2X500W, 2140 mm	3,046	**138**				
AKP-03	5	2X680W, 2190 mm	2,675	**108**	2	2X500W, 2140 mm	3,046	**138**				
					1	2X700W, 2990 mm	3,061	**193**				
AKP-04	5	2X1300W, 2490 mm	2,709	**115**	2	2X600W, 2490 mm	3,053	**166**				
					1	2X700W, 2990 mm	3,061	**193**				
AKP-05	6	2X1300W, 2490 mm	2,709	**115**	2	2X600W, 2490 mm	3,053	**166**				
					1	2X700W, 2990 mm	3,061	**193**				
AKP-06	9	2X1300W, 2490 mm	2,709	**115**	2	2X600W, 2490 mm	3,053	**166**				
					1	2X700W, 2990 mm	3,061	**193**				
AKP-07	12	2X1300W, 2490 mm	2,709	**115**	1	2X500W, 2140 mm	3,046	**138**				
					2	2X600W, 2490 mm	3,053	**166**				
					1	2X700W, 2990 mm	3,061	**193**				
AKP-08	20	2X870W, 2790 mm	2,717	**133**	3	2X600W, 2490 mm	3,053	**166**				
					1	2X900W, 3690 mm	3,079	**173**				
AKP-09	12	2X1440W, 3690 mm	187,161	**162**	1	2X700W, 2990 mm	3,061	**193**				
					2	2X900W, 3690 mm	3,079	**173**				
					1	2X1100W, 4490 mm	3,087	**271**				

Product	pcs	Coil Defrosting	Part n:o	RCPL	pcs	Drip tray defrosting	Part n:o	RCPL	pcs	Fan opening	Part n:o	RCPL
		Heat. rod				Heat. rod				Heat. rod		
Type		Type		€		Type		€		Type		€
FKL-1	1	2x165W, 365 mm	2,493	**92**	1	1x100W, 490 mm	2,949	**79**				
FKL-2	1	2X235W, 515 mm	2,527	**84**	1	1x100W, 490 mm	2,949	**79**				
FKL-3	1	2X325W, 715 mm	2,543	**181**	1	1X400W, 1790 mm	2,956	**140**				
FKL-4	1	2X480W, 1290 mm	187,112	**94**	1	1X600W, 2590 mm	2,980	**150**				
FKL-01 (FSL)	1	2x165W, 365 mm	2,493	**92**	1	1x100W, 490 mm	2,949	**79**				
FKL-02 (FSL)	1	2X235W, 515 mm	2,527	**84**	1	2x130W, 515 mm	2,501	**125**				
FKL-03 (FSL)	1	2x320W, 890 mm	187,104	**90**	1	1X400W, 1790 mm	2,956	**140**				
FKL-04 (FSL)	1	2X480W, 1290 mm	187,112	**94**	1	1X600W, 2590 mm	2,980	**150**				

Product	pcs	Coil Defrosting	Part n:o	RCPL	pcs	Drip tray defrosting	Part n:o	RCPL	pcs	Fan opening	Part n:o	RCPL
		Heat. rod				Heat. rod				Heat. rod		
Type		Type		€		Type		€		Type		€
PCJ-1 (SSA)	1	2x165W, 365 mm	2,493	**92**	1	1x100W, 490 mm	2,949	**79**				
PCJ-2 (SSA)	1	2X235W, 515 mm	2,527	**84**	1	2x130W, 515 mm	2,501	**125**				
PCJ-3 (SSA)	1	2x320W, 890 mm	187,104	**90**	1	1X400W, 1790 mm	2,956	**140**				
PCJ-4 (SSA)	1	2X480W, 1290 mm	187,112	**94**	1	1X600W, 2590 mm	2,980	**150**				

Product	pcs	Coil Defrosting	Part n:o	RCPL	pcs	Drip tray defrosting	Part n:o	RCPL	pcs	Fan opening	Part n:o	RCPL
		Heat. rod				Heat. rod				Heat. rod		
Type		Type		€		Type		€		Type		€
PCD-201	2	2x130W, 515 mm	2,501	**125**								
PCD-202	2	2x320W, 890 mm	187,104	**90**								
PCD-203	2	2X480W, 1290 mm	187,112	**94**								
PCD-204	2	2X640W, 1690 mm	187,120	**94**								
PCD-205	2	2X800W, 2090 mm	187,138	**112**								

Product	pcs	Coil Defrosting	Part n:o	RCPL	pcs	Drip tray defrosting	Part n:o	RCPL	pcs	Fan opening	Part n:o	RCPL
		Heat. rod				Heat. rod				Heat. rod		
Type		Type		€		Type		€		Type		€
FMP-15	2	2X235W, 515 mm	2,527	**84**	1	1x100W, 490 mm	2,949	**79**				
FMP-25	2	2X320W, 1090 mm	2,584	**93**	1	1x100W, 490 mm	2,949	**79**				
FMP-35	2	2X685W, 1515 mm	2,626	**160**	1	1x100W, 490 mm	2,949	**79**				
FMP-45	2	2X775W, 2015 mm	2,659	**170**	1	1x100W, 490 mm	2,949	**79**				
FMP-55	4	2X325W, 715 mm	2,543	**181**	1	1X470W, 2360 mm	2,972	**68**				
FMP-65	4	2X480W, 1290 mm	187,112	**94**	1	1X760W, 3360 mm	2,998	**170**				
FMP-75	4	2X800W, 2090 mm	187,138	**112**	1	2X600W, 2490 mm	3,053	**166**				
FMP-58	4	2X325W, 715 mm	2,543	**181**	1	1X470W, 2360 mm	2,972	**68**				
FMP-68	4	2X480W, 1290 mm	187,112	**94**	1	1X760W, 3360 mm	2,998	**170**				
FMP-78	4	2X800W, 2090 mm	187,138	**112**	1	2X600W, 2490 mm	3,053	**166**				
FMP-01	4	2X640W, 1690 mm	187,120	**94**	1	2X500W, 2140 mm	3,046	**138**				
FMP-02	4	2X680W, 2190 mm	2,675	**108**	1	2X600W, 2490 mm	3,053	**166**				
FMP-03	4	2X870W, 2790 mm	2,717	**133**	1	2X700W, 2990 mm	3,061	**193**				
FMP-201	4	2X320W, 1090 mm	2,584	**93**	2	1x1165x230 275 W	11,430	**180**				
FMP-211	6	2X320W, 1090 mm	2,584	**93**	2	1x1165x230 275 W	11,430	**180**				
FPM-221	6	2X320W, 1090 mm	2,584	**93**	2	1x1165x230 275 W	11,430	**179**				
FMP-202	2	2X800W, 2090 mm	187,138	**112**	2	2x1165x230 550 W	11,431	**256**				
FMP-212	4	2X800W, 2090 mm	187,138	**112**	2	2x1165x230 550 W	11,431	**256**				
FMP-231	6	2X480W, 1290 mm	187,112	**94**	2	1x1165x230 275 W	11,430	**180**				
FMP-222	6	2X800W, 2090 mm	187,138	**112**	2	2x1165x230 550 W	11,431	**256**				
FMP-213	4	2X1200W, 3090 mm	5,804	**134**	2	3x1080x230 750 W	11,432	**285**				
FMP-223	6	2X1200W, 3090 mm	5,804	**134**	2	3x1080x230 750 W	11,432	**285**				
FMP-232	6	2X960W, 2490 mm	187,146	**107**	2	2x1165x230 550 W	11,431	**256**				
FMP-224	6	2X1400W, 4090 mm	5,805	**213**	2	4x1080x230 1000 W	11,433	**353**				
FMP-233	6	2X1440W, 3690 mm	187,161	**162**	2	3x1080x230 750 W	11,432	**285**				

Product	pcs	Coil Defrosting	Part n:o	RCPL	pcs	Drip tray defrosting	Part n:o	RCPL	pcs	Fan opening	Part n:o	RCPL
		Heat. rod				Heat. rod				Heat. rod		
Type		Type		€		Type		€		Type		€
PBD-201	4	2X320W, 1090 mm	2,584	**93**	2	1X1165X440 550W	222,014	**241**				
PBD-211	6	2X320W, 1090 mm	2,584	**93**	2	1X1165X440 550W	222,014	**241**				
PBD-221	6	2X320W, 1090 mm	2,584	**93**	2	1X1165X440 550W	222,014	**241**				
PBD-202	2	2X800W, 2090 mm	187,138	**112**	2	2X1165X440 1100W	222,015	**311**				
PBD-212	4	2X800W, 2090 mm	187,138	**112**	2	2X1165X440 1100W	222,015	**311**				
PBD-222	6	2X800W, 2090 mm	187,138	**112**	2	2X1165X440 1100W	222,015	**311**				
PBD-213	4	2X1200W, 3090 mm	5,804	**134**	2	3X1080X440 1500W	222,016	**373**				
PBD-223	6	2X1200W, 3090 mm	5,804	**134**	2	3X1080X440 1500W	222,016	**373**				
PBD-224	6	2X1400W, 4090 mm	5,805	**213**	2	4X1080X440 2000W	222,017	**446**				

Product	pcs	Coil Defrosting	Part n:o	RCPL	pcs	Drip tray defrosting	Part n:o	RCPL	pcs	Fan opening	Part n:o	RCPL
		Heat. rod				Heat. rod				Heat. rod		
Type		Type		€		Type		€		Type		€
FMPP-1	2	2x130W, 515 mm	2,501	**125**	1	2x240W, 690 mm	187,096	**88**				
FMPP-2	2	2x320W, 890 mm	187,104	**90**	1	1X500W, 2190 mm	2,964	**135**				
FMPP-3	2	2X480W, 1290 mm	187,112	**94**	1	2X480W, 1290 mm	187,112	**94**				
FMPP-4	2	2X640W, 1690 mm	187,120	**94**	1	2X640W, 1690 mm	187,120	**94**				
FMPP-5	2	2X680W, 2190 mm	2,675	**108**	1	2X680W, 2190 mm	2,675	**108**				

Product	pcs	Coil Defrosting	Part n:o	RCPL	pcs	Drip tray defrosting	Part n:o	RCPL	pcs	Fan opening	Part n:o	RCPL
		Heat. rod				Heat. rod				Heat. rod		
Type		Type		€		Type		€		Type		€
AMP-1	4	2X480W, 1290 mm	187,112	**94**	2	1X600W, 2590 mm	2,980	**150**				
					1	1X800W, 3390 mm	3,004	**184**				
AMP-2	4	2X640W, 1690 mm	187,120	**94**	1	1X800W, 3390 mm	3,004	**184**				
					2	2X500W, 2140 mm	3,046	**138**				
AMP-3	6	2X640W, 1690 mm	187,120	**94**	1	1X800W, 3390 mm	3,004	**184**				
					2	2X500W, 2140 mm	3,046	**138**				
AMP-4	6	2X680W, 2190 mm	2,675	**108**	2	2X500W, 2140 mm	3,046	**138**				
					3	2X600W, 2490 mm	3,053	**166**				
AMP-5	6	2X680W, 2190 mm	2,675	**108**	2	2X500W, 2140 mm	3,046	**138**				
					3	2X600W, 2490 mm	3,053	**166**				
AMP-6					2	2X500W, 2140 mm	3,046	**138**				
					1	2X900W, 3690 mm	3,079	**173**				
AMP-7					2	2X500W, 2140 mm	3,046	**138**				
					1	2X900W, 3690 mm	3,079	**173**				
AMP-8					2	2X500W, 2140 mm	3,046	**138**				
					1	2X900W, 3690 mm	3,079	**173**				
AMP-9					1	2X700W, 2990 mm	3,061	**192**				
					1	2X1100W, 4490 mm	3,087	**271**				
AMP-10					1	2X700W, 2990 mm	3,061	**192**				
					1	2X1100W, 4490 mm	3,087	**271**				

Product	pcs	Coil Defrosting	Part n:o	RCPL	pcs	Drip tray defrosting	Part n:o	RCPL	pcs	Fan opening	Part n:o	RCPL
		Heat. rod				Heat. rod				Heat. rod		
Type		Type		€		Type		€		Type		€
FKPP-01	2	2x130W, 515 mm	2,501	**85**	1	2x130W, 515 mm	2,501	**125**				
FKPP-02	2	2x320W, 890 mm	187,104	**90**	1	1X400W, 1790 mm	2,956	**140**				
FKPP-03	2	2X480W, 1290 mm	187,112	**94**	1	1X600W, 2590 mm	2,980	**150**				
FKPP-04	2	2X640W, 1690 mm	187,120	**94**	1	1X800W, 3390 mm	3,004	**185**				

Product	pcs	Coil Defrosting	Part n:o	RCPL	pcs	Drip tray defrosting	Part n:o	RCPL	pcs	Fan opening	Part n:o	RCPL
		Heat. rod				Heat. rod				Heat. rod		
Type		Type		€		Type		€		Type		€
FK-36	1	2x240W, 690 mm	187,096	**88**								
FK-38	1	2x320W, 890 mm	187,104	**90**								
FK-310	1	2X320W, 1090 mm	2,584	**93**								
FK-312	1	2X480W, 1290 mm	187,112	**94**								
FK-316	1	2X640W, 1690 mm	187,120	**94**								
FK-321	1	2X680W, 2190 mm	2,675	**108**								
FK-327	1	2X870W, 2790 mm	2,717	**133**								
FK-46	2	2x240W, 690 mm	187,096	**88**								
FK-48	2	2x320W, 890 mm	187,104	**90**								
FK-410	2	2X320W, 1090 mm	2,584	**93**								
FK-412	2	2X480W, 1290 mm	187,112	**94**								
FK-416	2	2X640W, 1690 mm	187,120	**94**								
FK-421	2	2X680W, 2190 mm	2,675	**108**								
FK-427	2	2X870W, 2790 mm	2,717	**133**								
FK-610	2	2X320W, 1090 mm	2,584	**93**								
FK-612	2	2X480W, 1290 mm	187,112	**94**								
FK-616	2	2X640W, 1690 mm	187,120	**94**								
FK-621	2	2X680W, 2190 mm	2,675	**108**								
FK-627	2	2X870W, 2790 mm	2,717	**133**								

Product	pcs	Coil Defrosting	Part n:o	RCPL	pcs	Drip tray defrosting	Part n:o	RCPL	pcs	Fan opening	Part n:o	RCPL
		Heat. rod				Heat. rod				Heat. rod		
Type		Type		€		Type		€		Type		€
FK-26	1	2x240W, 690 mm	187,096	**88**								
FK-28	1	2x320W, 890 mm	187,104	**90**								
FK-56	2	2x240W, 690 mm	187,096	**88**								
FK-58	2	2x320W, 890 mm	187,104	**90**								
FK-510	2	2X320W, 1090 mm	2,584	**93**								
FK-512	2	2X480W, 1290 mm	187,112	**94**								
FK-516	2	2X640W, 1690 mm	187,120	**94**								
FK-520	2	2X800W, 2090 mm	187,138	**112**								
FK-816	2	2X640W, 1690 mm	187,120	**94**								
FK-820	2	2X800W, 2090 mm	187,138	**112**								
FK-824	2	2X960W, 2490 mm	187,146	**107**								
FK-827	2	2X870W, 2790 mm	2,717	**133**								
FK-832	2	2X1280W, 3290 mm	187,088	**122**								
FK-836	2	2X1440W, 3690 mm	187,161	**162**								
FK-840	2	2X1400W, 4090 mm	5,805	**213**								

Product	pcs	Coil Defrosting	Part n:o	RCPL	pcs	Drip tray defrosting	Part n:o	RCPL	pcs	Fan opening	Part n:o	RCPL
		Heat. rod				Heat. rod				Heat. rod		
Type		Type		€		Type		€		Type		€
FK-260	1	2x240W, 690 mm	187,096	**88**								
FK-280	1	2x320W, 890 mm	187,104	**90**								
FK-2100	1	2X320W, 1090 mm	2,584	**93**								
FK-2120	1	2X480W, 1290 mm	187,112	**94**								
FK-460	1	2x240W, 690 mm	187,096	**88**								
FK-480	1	2x320W, 890 mm	187,104	**90**								
FK-4100	1	2X320W, 1090 mm	2,584	**93**								
FK-4120	1	2X480W, 1290 mm	187,112	**94**								
FK-4160	1	2X640W, 1690 mm	187,120	**94**								
FK-4200	1	2X800W, 2090 mm	187,138	**112**								
FK-4270	1	2X870W, 2790 mm	2,717	**133**								
FK-560	2	2x240W, 690 mm	187,096	**88**								
FK-580	2	2x320W, 890 mm	187,104	**90**								
FK-5100	2	2X320W, 1090 mm	2,584	**93**								
FK-5120	2	2X480W, 1290 mm	187,112	**94**								
FK-5160	2	2X640W, 1690 mm	187,120	**94**								
FK-5200	2	2X800W, 2090 mm	187,138	**112**								
FK-5270	2	2X870W, 2790 mm	2,717	**133**								
FK-8100	2	2X320W, 1090 mm	2,584	**93**								
FK-8120	2	2X480W, 1290 mm	187,112	**94**								
FK-8160	2	2X640W, 1690 mm	187,120	**94**								
FK-8200	2	2X800W, 2090 mm	187,138	**112**								
FK-8240	2	2X960W, 2490 mm	187,146	**107**								
FK-8270	2	2X870W, 2790 mm	2,717	**133**								
FK-8320	2	2X1280W, 3290 mm	187,088	**122**								
FK-8360	2	2X1440W, 3690 mm	187,161	**162**								
FK-8400	2	2X1400W, 4090 mm	5,805	**213**								

Product	pcs	Coil Defrosting	Part n:o	RCPL	pcs	Drip tray defrosting	Part n:o	RCPL	pcs	Fan opening	Part n:o	RCPL
		Heat. rod				Heat. rod				Heat. rod		
Type		Type		€		Type		€		Type		€
FKP-1	3	2x130W, 515 mm	2,501	**125**	1	1X400W, 1790 mm	2,956	**140**				
FKP-2	3	2x240W, 690 mm	187,096	**88**	1	1X500W, 2190 mm	2,964	**135**				
FKP-3	3	2x320W, 890 mm	187,104	**90**	1	1X600W, 2590 mm	2,980	**150**				
FKP-4	3	2X480W, 1290 mm	187,112	**94**	1	1X800W, 3390 mm	3,004	**185**				
FKP-5	4	2X480W, 1290 mm	187,112	**94**	1	1X800W, 3390 mm	3,004	**185**				
FKP-6	4	2X640W, 1690 mm	187,120	**94**	1	2X500W, 2140 mm	3,046	**138**				
FKP-7	4	2X680W, 2190 mm	2,675	**108**	1	2X600W, 2490 mm	3,053	**166**				
FKP-8	4	2X680W, 2190 mm	2,675	**108**	2	2X500W, 2140 mm	3,046	**138**	1	1X600W, 2590 mm	2,980	**150**
FKP-9	6	2X680W, 2190 mm	2,675	**108**	2	2X500W, 2140 mm	3,046	**138**	1	1X600W, 2590 mm	2,980	**150**
FKP-10	9	2X680W, 2190 mm	2,675	**108**	1	2X500W, 2140 mm	3,046	**138**	1	1X600W, 2590 mm	2,980	**150**
					1	2X600W, 2490 mm	3,053	**166**				
FKP-11	13	2X680W, 2190 mm	2,675	**108**	1	2X500W, 2140 mm	3,046	**138**	1	1X600W, 2590 mm	2,980	**150**
					1	2X600W, 2490 mm	3,053	**166**				
FKP-12	13	2X960W, 2490 mm	187,146	**107**	1	2X500W, 2140 mm	3,046	**138**	1	1X700W, 3166 mm	3,129	**207**
					1	2X700W, 2990 mm	3,061	**193**				
FKP-13	13	2X870W, 2790 mm	2,717	**133**	2	2X700W, 2990 mm	3,061	**193**	1	1X700W, 3166 mm	3,129	**207**
FKP-14	17	2X960W, 2490 mm	187,146	**107**	1	2X500W, 2140 mm	3,046	**138**	1	1X600W, 2590 mm	2,980	**150**
					1	2X700W, 2990 mm	3,061	**193**				
FKP-15	17	2X870W, 2790 mm	2,717	**133**	2	2X700W, 2990 mm	3,061	**193**	1	1X700W, 3166 mm	3,129	**207**
FKP-16	26	2X870W, 2790 mm	2,717	**133**	2	2X700W, 2990 mm	3,061	**193**	1	1X700W, 3166 mm	3,129	**207**
FKP-1P-5	2	2x165W, 365 mm	2,493	**92**								
FKP-2P-5	2	2X325W, 715 mm	2,543	**181**								
FKP-1M	3	2x130W, 515 mm	2,501	**125**	1	1X400W, 1790 mm	2,956	**140**				
FKP-2M	3	2x240W, 690 mm	187,096	**88**	1	1X500W, 2190 mm	2,964	**135**				
FKP-3M	3	2x320W, 890 mm	187,104	**90**	1	1X600W, 2590 mm	2,980	**150**				
FKP-4M	3	2X480W, 1290 mm	187,112	**94**	1	1X800W, 3390 mm	3,004	**185**				
FKP-5M	3	2X640W, 1690 mm	187,120	**94**	1	2X500W, 2140 mm	3,046	**138**				
FKP-1V	4	2X640W, 1690 mm	187,120	**94**	1	2X500W, 2140 mm	3,046	**138**				
FKP-2V	4	2X800W, 2090 mm	187,138	**112**	1	2X700W, 2525 mm	3,020	**286**				
FKP-1K	6	2X800W, 2090 mm	187,138	**112**	1	2X700W, 2525 mm	3,020	**286**				

Alfa Laval Fincoil Spare Parts

Fans (fan blades and motors)

Product	pcs	3/400V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL	1/230V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL
Type		Fan		€			€	Fan		€			€
FMPP-1….5								16 W, 1250 rpm	222,153	**85**	254-5-31°	1,891	**37**
PCD(L)-201…205								16 W, 1250 rpm	222,153	**85**	254-5-31°	1,891	**37**
FKL-1….4								5 W, 1250 rpm	222,105	**58**	178-5-32°	1,875	**34**
FKL-01…04 (FSL)								5 W, 1250 rpm	222,105	**58**	178-5-32°	1,875	**34**
PCJ-1 …4								5 W, 1250 rpm	222,105	**58**	178-5-32°	1,875	**34**
FKPP-01…04								16 W, 1250 rpm	222,153	**85**	254-5-31°	1,909	**37**

Product	pcs	3/400V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL	1/230V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL
Type		Fan		€			€	Fan		€			€
FKP-1	1	0,09 kW, 1500 rpm	222,029	**370**	305-4-32°-14	1,933	**86**	60 W, 1500 rpm	1,792	**262**	305-4-32°-½"	1,941	**86**
FKP-2	1	0,09 kW, 1500 rpm	222,029	**370**	305-4-32°-14	1,933	**86**	60 W, 1500 rpm	1,792	**262**	305-4-32°-½"	1,941	**86**
FKP-3	2	0,09 kW, 1500 rpm	222,029	**370**	305-4-32°-14	1,933	**86**	60 W, 1500 rpm	1,792	**262**	305-4-32°-½"	1,941	**86**
FKP-4	3	0,09 kW, 1500 rpm	222,029	**370**	305-4-32°-14	1,933	**86**	60 W, 1500 rpm	1,792	**262**	305-4-32°-½"	1,941	**86**
FKP-5	2	0,25 kW, 1500 rpm	108,860	**302**	406-4-22°-14	77,206	**107**	0,12 kW, 1500 rpm	106,120	**476**	406-4-22°-14	77,206	**107**
FKP-6	2	0,25 kW, 1500 rpm	108,860	**302**	406-4-32°-14	2,014	**107**	0,25 kW, 1500 rpm	22,319	**371**	406-4-32°-14	2,014	**107**
FKP-7	3	0,25 kW, 1500 rpm	108,860	**302**	406-4-32°-14	2,014	**107**	0,25 kW, 1500 rpm	22,319	**371**	406-4-32°-14	2,014	**107**
FKP-8	2	0,55 kW, 1500 rpm	108,886	**385**	502-8-40-19	222,109	**268**						
FKP-9	2	0,55 kW, 1500 rpm	108,886	**385**	502-8-40-19	222,109	**268**						
FKP-10	2	0,55 kW, 1500 rpm	108,886	**385**	502-8-40-19	222,109	**268**						
FKP-11	3	0,37 kW, 1500 rpm	108,878	**366**	510-6-40-14	222,122	**215**						
FKP-12	3	0,55 kW, 1500 rpm	108,886	**385**	502-8-40-19	222,109	**268**						
FKP-13	3	0,55 kW, 1500 rpm	108,886	**385**	502-8-40-19	222,109	**268**						
FKP-14	2	1,5 kW, 1500 rpm	108,894	**399**	610-5-40°-24	E30914	**430**						
FKP-15	3	1,1 kW, 1500 rpm	109,405	**378**	610-8-35°-24	222,113	**273**						
FKP-16	3	1,1 kW, 1500 rpm	109,405	**378**	610-8-35°-24	222,113	**273**						
FKP-1-M	1	0,09 kW, 1000 rpm	217,174	**316**	305-4-32°-14	1,933	**86**	0,09 kW, 1000 rpm	33,316	**466**	305-4-32°-14	1,933	**86**
FKP-2-M	1	0,09 kW, 1000 rpm	217,174	**316**	305-4-32°-14	1,933	**86**	0,09 kW, 1000 rpm	33,316	**466**	305-4-32°-14	1,933	**86**
FKP-3-M	2	0,09 kW, 1000 rpm	217,174	**316**	305-4-32°-14	1,933	**86**	0,09 kW, 1000 rpm	33,316	**466**	305-4-32°-14	1,933	**86**
FKP-4-M	3	0,09 kW, 1000 rpm	217,174	**316**	305-4-32°-14	1,933	**86**	0,09 kW, 1000 rpm	33,316	**466**	305-4-32°-14	1,933	**86**
FKP-5-M	2	0,09 kW, 1000 rpm	217,174	**316**	406-4-22°-14	77,206	**107**	0,09 kW, 1000 rpm	33,316	**466**	406-4-22°-14	77,206	**107**
FKP-6-M	2	0,09 kW, 1000 rpm	217,174	**316**	406-4-32°-14	2,014	**107**	0,09 kW, 1000 rpm	33,316	**466**	406-4-32°-14	2,014	**107**
FKP-7-M	3	0,09 kW, 1000 rpm	217,174	**316**	406-4-32°-14	2,014	**107**	0,09 kW, 1000 rpm	33,316	**466**	406-4-32°-14	2,014	**107**
FKP-8-M	2	0,25 kW, 1000 rpm	111,757	**364**	510-9-32.5°-14	222,193	**407**						
FKP-9-M	2	0,25 kW, 1000 rpm	111,757	**364**	510-9-32.5°-14	222,193	**407**						
FKP-10-M	2	0,25 kW, 1000 rpm	111,757	**364**	510-9-32.5°-14	222,193	**407**						
FKP-11-M	3	0,09 kW, 1000 rpm	217,174	**316**	510-6-40-14	222,122	**215**						
FKP-12-M	3	0,25 kW, 1000 rpm	111,757	**364**	510-9-32.5°-14	222,193	**407**						
FKP-13-M	3	0,25 kW, 1000 rpm	111,757	**364**	510-9-32.5°-14	222,193	**407**						
FKP-14-M	2	0,55 kW, 1000 rpm	109,058	**377**	610-4-35°-19	222,115	**185**						
FKP-15-M	3	0,55 kW, 1000 rpm	109,058	**377**	610-10-45°-19	222,114	**279**						
FKP-16-M	3	0,55 kW, 1000 rpm	109,058	**377**	610-10-45°-19	222,114	**279**						
FKP-1P-5	1							16 W, 1250 rpm	222,153	**86**	254-5-31°	1,909	**37**
FKP-2P-5	2							16 W, 1250 rpm	222,153	**86**	254-5-31°	1,909	**37**
FKP-1M	1	0,09 kW, 1500 rpm	222,029	**370**	305-4-32°-14	1,933	**86**	0,12 kW, 1500 rpm	106,120	**476**	305-4-32°-14	1,933	**86**
FKP-2M	1	0,09 kW, 1500 rpm	222,029	**370**	305-4-32°-14	1,933	**86**	0,12 kW, 1500 rpm	106,120	**476**	305-4-32°-14	1,933	**86**
FKP-3M	2	0,09 kW, 1500 rpm	222,029	**370**	305-4-32°-14	1,933	**86**	0,12 kW, 1500 rpm	106,120	**476**	305-4-32°-14	1,933	**86**
FKP-4M	3	0,09 kW, 1500 rpm	222,029	**370**	305-4-32°-14	1,933	**86**	0,12 kW, 1500 rpm	106,120	**476**	305-4-32°-14	1,933	**86**
FKP-5M	3	0,09 kW, 1500 rpm	222,029	**370**	305-4-32°-14	1,933	**86**	0,12 kW, 1500 rpm	106,120	**476**	305-4-32°-14	1,933	**86**
FKP-1V	2	0,25 kW, 1500 rpm	108,860	**302**	406-4-32°-14	2,014	**107**	0,25 kW, 1500 rpm	22,319	**371**	406-4-32°-14	2,014	**107**
FKP-2V	3	0,25 kW, 1500 rpm	108,860	**302**	406-4-32°-14	2,014	**107**	0,25 kW, 1500 rpm	22,319	**371**	406-4-32°-14	2,014	**107**
FKP-1K	3	0,25 kW, 1500 rpm	108,860	**302**	510-4-35°-14	222,112	**185**	0,25 kW, 1500 rpm	22,319	**371**	510-4-35°-14	222,112	**185**

Product	pcs	3/400V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL	1/230V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL
Type		Fan		€			€	Fan		€			€
FHB-1...-4D/4Y	1	S4D350-AA06-09	178,863	**291**				S4E350-AP06-61	222,061	**230**			
FHB-2...-4D/4Y	1	S4D350-AA06-09	178,863	**291**				S4E350-AP06-61	222,061	**230**			
FHB-3...-4D/4Y	1	S4D350-AA06-09	178,863	**291**				S4E350-AP06-61	222,061	**230**			
FHB-4...-4D/4Y	1	FB045-VDK4C6P	178,913	**308**									
FHB-5...-4D/4Y	2	S4D350-AA06-09	178,863	**291**				S4E350-AP06-61	222,061	**230**			
FHB-6...-4D/4Y	1	FB045-VDK4C6P	178,913	**308**									
FHB-7...-4D/4Y	2	S4D350-AA06-09	178,863	**291**				S4E350-AP06-61	222,061	**230**			
FHB-8...-4D/4Y	3	S4D350-AA06-09	178,863	**291**				S4E350-AP06-61	222,061	**230**			
FHB-9...-4D/4Y	1	AFK500-30/4-4T-B	222,058	**323**									
FHB-10...-4D/4Y	3	S4D350-AA06-09	178,863	**291**				S4E350-AP06-61	222,061	**230**			
FHB-11...-4D/4Y	4	S4D350-AA06-09	178,863	**291**				S4E350-AP06-61	222,061	**230**			
FHB-12...-4D/4Y	2	FB045-VDK4C6P	178,913	**308**									
FHB-13...-4D/4Y	4	S4D350-AA06-09	178,863	**291**				S4E350-AP06-61	222,061	**230**			
FHB-14...-4D/4Y	2	FB045-VDK4C6P	178,913	**308**									
FHB-15...-4D/4Y	2	FB045-VDK4C6P	178,913	**308**									
FHB-16...-4D/4Y	3	FB045-VDK4C6P	178,913	**308**									
FHB-17...-4D/4Y	2	AFK500-30/4-4T-B	222,058	**323**									
FHB-18...-4D/4Y	3	FB045-VDK4C6P	178,913	**308**									
FHB-19...-4D/4Y	2	AFK500-30/4-4T-B	222,058	**323**									
FHB-20...-4D/4Y	2	AFK560-25/4-4T-B	222,005	**369**									
FHB-21...-4D/4Y	4	FB045-VDK4C6P	178,913	**308**									
FHB-22...-4D/4Y	2	AFK560-25/4-4T-B	222,005	**369**									
FHB-23...-4D/4Y	4	FB045-VDK4C6P	178,913	**308**									
FHB-24...-4D/4Y	3	AFK500-30/4-4T-B	222,058	**323**									
FHB-25...-4D/4Y	3	AFK560-25/4-4T-B	222,005	**369**									
FHB-26...-4D/4Y	4	AFK500-30/4-4T-B	222,058	**323**									
FHB-27...-4D/4Y	4	AFK560-25/4-4T-B	222,005	**369**									
FHB-1...-6D/6Y	1	FB035-SDK2C6S	178,905	**297**									
FHB-2...-6D/6Y	1	FB035-SDK2C6S	178,905	**297**									
FHB-3...-6D/6Y	1	FB035-SDK2C6S	178,905	**297**									
FHB-4...-6D/6Y	1	FB045-SDK4C6P	178,921	**308**									
FHB-5...-6D/6Y	2	FB035-SDK2C6S	178,905	**297**									
FHB-6...-6D/6Y	1	FB045-SDK4C6P	178,921	**308**									
FHB-7...-6D/6Y	2	FB035-SDK2C6S	178,905	**297**									
FHB-8...-6D/6Y	3	FB035-SDK2C6S	178,905	**297**									
FHB-9...-6D/6Y	1	FB050-SDK4C6P	178,947	**318**									
FHB-10...-6D/6Y	3	FB035-SDK2C6S	178,905	**297**									
FHB-11...-6D/6Y	4	FB035-SDK2C6S	178,905	**297**									
FHB-12...-6D/6Y	2	FB045-SDK4C6P	178,921	**308**									
FHB-13...-6D/6Y	4	FB035-SDK2C6S	178,905	**297**									
FHB-14...-6D/6Y	2	FB045-SDK4C6P	178,921	**308**									
FHB-15...-6D/6Y	2	FB045-SDK4C6P	178,921	**308**									
FHB-16...-6D/6Y	3	FB045-SDK4C6P	178,921	**308**									
FHB-17...-6D/6Y	2	FB050-SDK4C6P	178,947	**318**									
FHB-18...-6D/6Y	3	FB045-SDK4C6P	178,921	**308**									
FHB-19...-6D/6Y	2	FB050-SDK4C6P	178,947	**318**									
FHB-20...-6D/6Y	2	FB056-SDK4F6L	178,962	**345**									
FHB-21...-6D/6Y	4	FB045-SDK4C6P	178,921	**308**									
FHB-22...-6D/6Y	2	FB056-SDK4F6L	178,962	**345**									
FHB-23...-6D/6Y	4	FB045-SDK4C6P	178,921	**308**									
FHB-24...-6D/6Y	3	FB050-SDK4C6P	178,947	**318**									
FHB-25...-6D/6Y	3	FB056-SDK4F6L	178,962	**345**									
FHB-26...-6D/6Y	4	FB050-SDK4C6P	178,947	**318**									
FHB-27...-6D/6Y	4	FB056-SDK4F6L	178,962	**345**									

Product	pcs	3/400V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL	1/230V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL
Type		Fan		€			€	Fan		€			€
FHC-1…-4D/4Y	2	AFK500-30/4-4T-B	222,058	**323**									
FHC-2…-4D/4Y	2	AFK560-25/4-4T-B	222,005	**369**									
FHC-3…-4D/4Y	3	AFK500-30/4-4T-B	222,058	**323**									
FHC-4…-4D/4Y	3	AFK560-25/4-4T-B	222,005	**369**									
FHC-5…-4D/4Y	4	AFK500-30/4-4T-B	222,058	**323**									
FHC-6	2	1,5 kW, 1500 rpm	108,894	**399**	622-5-37°-24	184,606	**376**						
FHC-7	2	1,5 kW, 1500 rpm	108,894	**399**	622-5-37°-24	184,606	**376**						
FHC-8…-4D/4Y	4	AFK560-25/4-4T-B	222,005	**369**									
FHC-9	2	1,5 kW, 1500 rpm	108,894	**399**	622-5-37°-24	184,606	**376**						
FHC-10	2	3,0 kW, 1500 rpm	109,413	**543**	702-5-40°-28	184,812	**376**						
FHC-11	2	3,0 kW, 1500 rpm	109,413	**543**	702-5-40°-28	184,812	**376**						
FHC-12	2	3,0 kW, 1500 rpm	109,413	**543**	702-5-40°-28	184,812	**376**						
FHC-13	3	1,5 kW, 1500 rpm	108,894	**399**	622-5-37°-24	184,606	**376**						
FHC-14	2	3,0 kW, 1500 rpm	109,413	**543**	702-5-40°-28	184,812	**376**						
FHC-15	2	3,0 kW, 1500 rpm	109,413	**543**	702-5-40°-28	184,812	**376**						
FHC-16	3	1,5 kW, 1500 rpm	108,894	**399**	622-5-37°-24	184,606	**376**						
FHC-17	2	3,0 kW, 1500 rpm	109,413	**543**	702-5-40°-28	184,812	**376**						
FHC-18	2	3,0 kW, 1500 rpm	109,413	**543**	702-5-40°-28	184,812	**376**						
FHC-19	3	1,5 kW, 1500 rpm	108,894	**399**	622-5-37°-24	184,606	**376**						
FHC-20	3	3,0 kW, 1500 rpm	109,413	**543**	702-5-40°-28	184,812	**376**						
FHC-21	3	3,0 kW, 1500 rpm	109,413	**543**	702-5-40°-28	184,812	**376**						
FHC-22	3	3,0 kW, 1500 rpm	109,413	**543**	702-5-40°-28	184,812	**376**						
FHC-23	3	3,0 kW, 1500 rpm	109,413	**543**	702-5-40°-28	184,812	**376**						
FHC-24	3	3,0 kW, 1500 rpm	109,413	**543**	702-5-40°-28	184,812	**376**						
FHC-1…-6D/6Y	2	FB050-SDK4C6P	178,947	**318**									
FHC-2…-6D/6Y	2	FB056-SDK4F6L	178,962	**345**									
FHC-3…-6D/6Y	3	FB050-SDK4C6P	178,947	**318**									
FHC-4…-6D/6Y	3	FB056-SDK4F6L	178,962	**345**									
FHC-5…-6D/6Y	4	FB050-SDK4C6P	178,947	**318**									
FHC-8…-6D/6Y	4	FB056-SDK4F6L	178,962	**345**									

Product	pcs	3/400V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL	1/230V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL
Type		Fan		€			€	Fan		€			€
FMPL-1….5								16 W, 1250 rpm	222,153	**86**	254-5-31°	1,891	**37**
FMPL-6	2	0,25 kW, 1500 rpm	108,860	**302**	4-406-22°-14	57,554	**107**	0,12 kW, 1500 rpm	106,120	**476**	4-406-22°-14	57,554	**107**
FMPL-7	3	0,25 kW, 1500 rpm	108,860	**302**	4-406-22°-14	57,554	**107**	0,12 kW, 1500 rpm	106,120	**476**	4-406-22°-14	57,554	**107**
FMPL-8	4	0,25 kW, 1500 rpm	108,860	**302**	4-406-22°-14	57,554	**107**	0,12 kW, 1500 rpm	106,120	**476**	4-406-22°-14	57,554	**107**
FMPL-6M	2	0,09 kW, 1000 rpm	217,174	**316**	4-406-22°-14	57,554	**107**	0,09 kW, 1000 rpm	33,316	**466**	4-406-22°-14	57,554	**107**
FMPL-7M	3	0,09 kW, 1000 rpm	217,174	**316**	4-406-22°-14	57,554	**107**	0,09 kW, 1000 rpm	33,316	**466**	4-406-22°-14	57,554	**107**
FMPL-8M	4	0,09 kW, 1000 rpm	217,174	**316**	4-406-22°-14	57,554	**107**	0,09 kW, 1000 rpm	33,316	**466**	4-406-22°-14	57,554	**107**
FKPL-01…04								16 W, 1250 rpm	222,153	**86**	254-5-31°	1,909	**37**

Product	pcs	3/400V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL	1/230V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL
Type		Fan		€			€	Fan		€			€
FMP-15	1							16 W, 1250 rpm	222,153	**86**	254-5-31°	1,891	**37**
FMP-25	2							16 W, 1250 rpm	222,153	**86**	254-5-31°	1,891	**37**
FMP-35	3							16 W, 1250 rpm	222,153	**86**	254-5-31°	1,891	**37**
FMP-45	4							16 W, 1250 rpm	222,153	**86**	254-5-31°	1,891	**37**
FMP-55	1	0,25 kW, 1500 rpm	108,860	**302**	4-406-22°-14	57,554	**107**	0,12 kW, 1500 rpm	106,120	**476**	4-406-22°-14	57,554	**107**
FMP-65	2	0,25 kW, 1500 rpm	108,860	**302**	4-406-22°-14	57,554	**107**	0,12 kW, 1500 rpm	106,120	**476**	4-406-22°-14	57,554	**107**
FMP-75	3	0,25 kW, 1500 rpm	108,860	**302**	4-406-22°-14	57,554	**107**	0,12 kW, 1500 rpm	106,120	**476**	4-406-22°-14	57,554	**107**
FMP-58	1	0,25 kW, 1500 rpm	108,860	**302**	4-406-22°-14	57,554	**107**	0,12 kW, 1500 rpm	106,120	**476**	4-406-22°-14	57,554	**107**
FMP-68	2	0,25 kW, 1500 rpm	108,860	**302**	4-406-22°-14	57,554	**107**	0,12 kW, 1500 rpm	106,120	**476**	4-406-22°-14	57,554	**107**
FMP-78	3	0,25 kW, 1500 rpm	108,860	**302**	4-406-22°-14	57,554	**107**	0,12 kW, 1500 rpm	106,120	**476**	4-406-22°-14	57,554	**107**
FMP-01	2	0,25 kW, 1500 rpm	108,860	**302**	4-406-22°-14	57,554	**107**	0,12 kW, 1500 rpm	106,120	**476**	4-406-22°-14	57,554	**107**
FMP-02	3	0,25 kW, 1500 rpm	108,860	**302**	4-406-22°-14	57,554	**107**	0,12 kW, 1500 rpm	106,120	**476**	4-406-22°-14	57,554	**107**
FMP-03	4	0,25 kW, 1500 rpm	108,860	**302**	4-406-22°-14	57,554	**107**	0,12 kW, 1500 rpm	106,120	**476**	4-406-22°-14	57,554	**107**
FMP-01..M	2	0,09 kW, 1000 rpm	217,174	**316**	4-406-22°-14	57,554	**107**	0,09 kW, 1000 rpm	33,316	**466**	4-406-22°-14	57,554	**107**
FMP-02..M	3	0,09 kW, 1000 rpm	217,174	**316**	4-406-22°-14	57,554	**107**	0,09 kW, 1000 rpm	33,316	**466**	4-406-22°-14	57,554	**107**
FMP-03..M	4	0,09 kW, 1000 rpm	217,174	**316**	4-406-22°-14	57,554	**107**	0,09 kW, 1000 rpm	33,316	**466**	4-406-22°-14	57,554	**107**

Product	pcs	3/400V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL	1/230V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL
Type		Fan		€			€	Fan		€			€
FMP-201..1400/	1	FE045-VDK4F3	222,000	**341**									
FMP-211..1400/	1	FE045-VDK4F3	222,000	**341**									
FMP-221..1400/	1	FE050-VDK4I3	222,002	**371**									
FMP-202..1400/	2	FE045-VDK4F3	222,000	**341**									
FMP-212..1400/	2	FE045-VDK4F3	222,000	**341**									
FMP-231..1400/	1	1,5 kW, 1500 rpm	108,894	**399**	625-5-37°-24	E6501	**376**						
FMP-222..1400/	2	FE050-VDK4I3	222,002	**371**									
FMP-213..1400/	3	FE045-VDK4F3	222,000	**341**									
FMP-223..1400/	3	FE050-VDK4I3	222,002	**371**									
FMP-232..1400/	2	1,5 kW, 1500 rpm	108,894	**399**	625-5-37°-24	E6501	**376**						
FMP-224..1400/	4	FE050-VDK4I3	222,002	**371**									
FMP-233..1400/	3	1,5 kW, 1500 rpm	108,894	**399**	625-5-37°-24	E6501	**376**						
FMP-201..900/	1	FE045-SDK4F4	222,001	**341**									
FMP-211..900/	1	FE045-SDK4F4	222,001	**341**									
FMP-221..900/	1	FE050-SDK4F3	222,003	**354**									
FMP-202..900/	2	FE045-SDK4F4	222,001	**341**									
FMP-212..900/	2	FE045-SDK4F4	222,001	**341**									
FMP-231..900/	1	0,55 kW, 1000 rpm	109,058	**377**	622-5-37°-19	11,804	**357**						
FMP-222..900/	2	FE050-SDK4F3	222,003	**354**									
FMP-213..900/	3	FE045-SDK4F4	222,001	**341**									
FMP-223..900/	3	FE050-SDK4F3	222,003	**354**									
FMP-232..900/	2	0,55 kW, 1000 rpm	109,058	**377**	622-5-37°-19	11,804	**357**						
FMP-224..900/	4	FE050-SDK4F3	222,003	**354**									
FMP-233..900/	3	0,55 kW, 1000 rpm	109,058	**377**	622-5-37°-19	11,804	**357**						

Product	pcs	3/400V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL	1/230V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL
Type		Fan		€			€	Fan		€			€
PBD-201..1400/	1	FE045-VDK4F3	222,000	**341**									
PBD-211..1400/	1	FE045-VDK4F3	222,000	**341**									
PBD-221..1400/	1	FE050-VDK4I3	222,002	**371**									
PBD-202..1400/	2	FE045-VDK4F3	222,000	**341**									
PBD-212..1400/	2	FE045-VDK4F3	222,000	**341**									
PBD-222..1400/	2	FE050-VDK4I3	222,002	**371**									
PBD-213..1400/	3	FE045-VDK4F3	222,000	**341**									
PBD-223..1400/	3	FE050-VDK4I3	222,002	**371**									
PBD-224..1400/	4	FE050-VDK4I3	222,002	**371**									
PBD-201..900/	1	FE045-SDK4F4	222,001	**341**									
PBD-211..900/	1	FE045-SDK4F4	222,001	**341**									
PBD-221..900/	1	FE050-SDK4F3	222,003	**354**									
PBD-202..900/	1	FE045-SDK4F4	222,001	**341**									
PBD-212..900/	2	FE045-SDK4F4	222,001	**341**									
PBD-222..900/	2	FE050-SDK4F3	222,003	**354**									
PBD-213..900/	3	FE045-SDK4F4	222,001	**341**									
PBD-223..900/	3	FE050-SDK4F3	222,003	**354**									
PBD-224..900/	4	FE050-SDK4F3	222,003	**354**									

Product	pcs	3/400V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL	1/230V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL
Type		Fan		€			€	Fan		€			€
PC-1	1							16 W, 1250 rpm	222,153	**86**	254-5-31°	1,909	**37**
PC-1B	2							16 W, 1250 rpm	222,153	**86**	254-5-31°	1,909	**37**
PC-2	2							16 W, 1250 rpm	222,153	**86**	254-5-31°	1,909	**37**
PC-3	3							16 W, 1250 rpm	222,153	**86**	254-5-31°	1,909	**37**
PC-4	1	S4D350-AA06-09	178,863	**291**				S4E350-AP06-61	222,061	**230**			
PC-5	1	S4D350-AA06-09	178,863	**291**				S4E350-AP06-61	222,061	**230**			
PC-6	2	S4D350-AA06-09	178,863	**291**				S4E350-AP06-61	222,061	**230**			
PC-7	2	S4D350-AA06-09	178,863	**291**				S4E350-AP06-61	222,061	**230**			
PC-8	1	FB045-VDK4C6P	178,913	**308**				FB045-4EK4F6P	184,416	**332**			
PC-9	1	FB045-VDK4C6P	178,913	**308**				FB045-4EK4F6P	184,416	**332**			
PC-10	2	FB045-VDK4C6P	178,913	**308**				FB045-4EK4F6P	184,416	**332**			
PC-11	2	FB045-VDK4C6P	178,913	**308**				FB045-4EK4F6P	184,416	**332**			
PC-12	2	AFK500-30/4-4T-B	222,058	**323**				FB050-8EK4C6P	209,072	**371**			
PC-13	2	AFK500-30/4-4T-B	222,058	**323**				FB050-8EK4C6P	209,072	**371**			
PC-14	3	AFK500-30/4-4T-B	222,058	**323**				FB050-8EK4C6P	209,072	**371**			
PC-15	4	AFK500-30/4-4T-B	222,058	**323**				FB050-8EK4C6P	209,072	**371**			

Product	pcs	3/400V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL	1/230V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL
Type		Fan		€			€	Fan		€			€
PC-101-1400/1150	1							16 W, 1250 rpm	222,153	**86**	254-5-31°	1,909	**37**
PC-102-1400/1150	2							16 W, 1250 rpm	222,153	**86**	254-5-31°	1,909	**37**
PC-103-1400/1150	3	S4D350-AA06-09	178,863	**291**				S4E350-AP06-61	222,061	**230**			
PC-104-1400/1150	3							16 W, 1250 rpm	222,153	**86**	254-5-31°	1,909	**37**
PC-105-1400/1150	1	S4D350-AA06-09	178,863	**291**				S4E350-AP06-61	222,061	**230**			
PC-106-1400/1150	2	S4D350-AA06-09	178,863	**291**				S4E350-AP06-61	222,061	**230**			
PC-107-1400/1150	2	S4D350-AA06-09	178,863	**291**				S4E350-AP06-61	222,061	**230**			
PC-108-1400/1150	1	FB045-VDK4C6P	178,913	**308**				FB045-4EK4F6P	184,416	**332**			
PC-109-1400/1150	1	FB045-VDK4C6P	178,913	**308**				FB045-4EK4F6P	184,416	**332**			
PC-110-1400/1150	3	S4D350-AA06-09	178,863	**291**				S4E350-AP06-61	222,061	**230**			
PC-111-1400/1150	2	FB045-VDK4C6P	178,913	**308**				FB045-4EK4F6P	184,416	**332**			
PC-112-1400/1150	2	FB045-VDK4C6P	178,913	**308**				FB045-4EK4F6P	184,416	**332**			
PC-113-1400/1150	3	FB045-VDK4C6P	178,913	**308**				FB045-4EK4F6P	184,416	**332**			
PC-114-1400/1150	2	AFK500-30/4-4T-B	222,058	**323**									
PC-115-1400/1150	2	AFK500-30/4-4T-B	222,058	**323**									
PC-116-1400/1150	3	AFK500-30/4-4T-B	222,058	**323**									
PC-103-900/700	3	FB035-SDK2C6S	178,905	**297**									
PC-105-900/700	1	FB035-SDK2C6S	178,905	**297**									
PC-106-900/700	2	FB035-SDK2C6S	178,905	**297**									
PC-107-900/700	2	FB035-SDK2C6S	178,905	**297**									
PC-108-900/700	1	FB045-SDK4C6P	178,921	**308**									
PC-109-900/700	1	FB045-SDK4C6P	178,921	**308**									
PC-110-900/700	3	FB035-SDK2C6S	178,905	**297**									
PC-111-900/700	2	FB045-SDK4C6P	178,921	**308**									
PC-112-900/700	2	FB045-SDK4C6P	178,921	**308**									
PC-113-900/700	3	FB045-SDK4C6P	178,921	**308**									
PC-114-900/700	2	AFK500-30/6-6T-B	222,059	**306**									
PC-115-900/700	2	AFK500-30/6-6T-B	222,059	**306**									
PC-116-900/700	3	AFK500-30/6-6T-B	222,059	**306**									

Product	pcs	3/400V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL	1/230V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL
Type		Fan		€			€	Fan		€			€
PB-1..-1400/1150	1	FB045-VDK4C6P	178,913	**308**				FB045-4EK4F6P	184,416	**332**			
PB-2..-1400/1150	1	AFK560-25/4-4T-B	222,005	**369**									
PB-3..-1400/1150	2	FB045-VDK4C6P	178,913	**308**				FB045-4EK4F6P	184,416	**332**			
PB-4..-1400/1150	2	AFK560-25/4-4T-B	222,005	**369**									
PB-5..-1400/1150	3	AFK560-25/4-4T-B	222,005	**369**									
PB-6..-1400/1150	4	AFK560-25/4-4T-B	222,005	**369**									
PB-7..-1400	2	FC 630, 1.5 kW	15,505	**988**	(*)								
PB-8..-1400	2	FC 630, 1.5 kW	15,505	**988**	(*)								
PB-9..-1400	3	FC 630, 1.5 kW	15,505	**988**	(*)								
PB-10..-1400	2	FC 710, 3.0 kW	15,502	**1120**	(*)								
PB-11..-1400	2	FC 710, 3.0 kW	15,502	**1120**	(*)								
PB-12..-1400	3	FC 710, 3.0 kW	15,502	**1120**	(*)								
PB-7..-1400	2	1,5 kW, 1500 rpm	108,894	**399**	628-5-35°-24	222,187	**311**						
PB-8..-1400	2	1,5 kW, 1500 rpm	108,894	**399**	628-5-35°-24	222,187	**311**						
PB-9..-1400	3	1,5 kW, 1500 rpm	108,894	**399**	628-5-35°-24	222,187	**311**						
PB-10..-1400	2	3,0 kW, 1500 rpm	109,413	**543**	704-5-40°-28	222,188	**302**						
PB-11..-1400	2	3,0 kW, 1500 rpm	109,413	**543**	704-5-40°-28	222,188	**302**						
PB-12..-1400	3	3,0 kW, 1500 rpm	109,413	**543**	704-5-40°-28	222,188	**302**						
PB-7..-1400	2	63AC-4-6-22°	220,624	**1846**	(**)								
PB-8..-1400	2	63AC-4-6-22°	220,624	**1846**	(**)								
PB-9..-1400	3	63AC-4-6-22°	220,624	**1846**	(**)								
PB-10..-1400	2	71AC-4-6-24°	220,640	**2138**	(**)								
PB-11..-1400	2	71AC-4-6-24°	220,640	**2138**	(**)								
PB-12..-1400	3	71AC-4-6-24°	220,640	**2138**	(**)								
PB-1..-700/900	1	FB045-SDK4C6P	178,921	**308**									
PB-2..-700/900	1	FB056-SDK4F6L	178,962	**345**									
PB-3..-700/900	2	FB045-SDK4C6P	178,921	**308**									
PB-4..-700/900	2	FB056-SDK4F6L	178,962	**345**									
PB-5..-700/900	3	FB056-SDK4F6L	178,962	**345**									
PB-6..-700/900	4	FB056-SDK4F6L	178,962	**345**									
PB-7..-900	2	FC 630, 0.37 kW	15,507	**844**	(*)								
PB-8..-900	2	FC 630, 0.37 kW	15,507	**844**	(*)								
PB-9..-900	3	FC 630, 0.37 kW	15,507	**844**	(*)								
PB-10..-900	2	FC 710, 0.75 kW	15,504	**954**	(*)								
PB-11..-900	2	FC 710, 0.75 kW	15,504	**954**	(*)								
PB-12..-900	3	FC 710, 0.75 kW	15,504	**954**	(*)								
PB-7..-900	2	0.37 kW, 1000 rpm	222,156	**327**	628-5-35°-19	222,186	**473**						
PB-8..-900	2	0.37 kW, 1000 rpm	222,156	**327**	628-5-35°-19	222,186	**473**						
PB-9..-900	3	0.37 kW, 1000 rpm	222,156	**327**	628-5-35°-19	222,186	**473**						
PB-10..-900	2	0.75 kW, 1000 rpm	222,157	**452**	704-5-40°-24	222,165	**311**						
PB-11..-900	2	0.75 kW, 1000 rpm	222,157	**452**	704-5-40°-24	222,165	**311**						
PB-12..-900	3	0.75 kW, 1000 rpm	222,157	**452**	704-5-40°-24	222,165	**311**						
PB-7..-900	2	63AC-4-6-22°	211,656	**1600**	(**)								
PB-8..-900	2	63AC-4-6-22°	211,656	**1600**	(**)								
PB-9..-900	3	63AC-4-6-22°	211,656	**1600**	(**)								
PB-10..-900	2	71AC-4-6-24°	220,657	**1721**	(**)								
PB-11..-900	2	71AC-4-6-24°	220,657	**1721**	(**)								
PB-12..-900	3	71AC-4-6-24°	220,657	**1721**	(**)								

(*) Fincoil fan package
(**) Short Case (Woods)

Product	pcs	3/400V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL	1/230V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL
Type		Fan		€			€	Fan		€			€
FKS-1(Foot Mount.)	1	0.18/0.26 1500/1800	180,083	**392**	4-254-28CW14	1,917	**82**						
(Flange Mounted)			222,021	**890**									
FSS-1(Foot Mount.)	1	0.18/0.26 1500/1800	180,083	**392**	4-254-32CW14	1,925	**82**						
(Flange Mounted)			222,021	**890**									
FSS-2(Foot Mount.)	1	0.18/0.26 1500/1800	180,083	**392**	305-4-28°-14	1,958	**86**						
(Flange Mounted)			222,021	**890**									
FSS-3(Foot Mount.)	1	0.18/0.26 1500/1800	180,083	**392**	305-4-40°-14	1,966	**86**						
(Flange Mounted)			222,021	**890**									
FSS-4(Foot Mount.)	1	0.37/0.43 1500/1800	180,091	**381**	4-406-22°-14	57,554	**107**						
(Flange Mounted)			222,022	**453**									
FSS-5(Foot Mount.)	1	0.37/0.43 1500/1800	180,091	**381**	406-4-32°-14	2,022	**107**						
(Flange Mounted)			222,022	**453**									
FSS-6(Foot Mount.)	1	0.37/0.43 1500/1800	180,091	**381**	406-4-32°-14	2,022	**107**						
(Flange Mounted)			222,022	**453**									

Product	pcs	3/400V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL	1/230V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL
Type		Fan		€			€	Fan		€			€
AHB-1..-4D/4Y	1	S4D350-AA06-09	178,863	**291**									
AHB-2..-4D/4Y	1	FB045-VDK4C6P	178,913	**308**									
AHB-3..-4D/4Y	1	FB045-VDK4C6P	178,913	**308**									
AHB-4..-4D/4Y	1	AFK500-30/4-4T-B	222,058	**323**									
AHB-5..-4D/4Y	2	FB045-VDK4C6P	178,913	**308**									
AHB-6..-4D/4Y	2	FB045-VDK4C6P	178,913	**308**									
AHB-7..-4D/4Y	2	AFK500-30/4-4T-B	222,058	**323**									
AHB-8..-4D/4Y	3	FB045-VDK4C6P	178,913	**308**									
AHB-9..-4D/4Y	3	AFK500-30/4-4T-B	222,058	**323**									
AHB-10..-4D/4Y	3	AFK560-25/4-4T-B	222,005	**369**									
AHB-11..-4D/4Y	4	AFK500-30/4-4T-B	222,058	**323**									
AHB-12..-4D/4Y	4	AFK560-25/4-4T-B	222,005	**369**									
AHB-13..-4D/4Y	5	AFK560-25/4-4T-B	222,005	**369**									
AHB-14..-4D	3	1,5 kW, 1500 rpm	108,894	**399**	622-5-37°-24	184,606	**376**						
AHB-15..-4D	4	1,5 kW, 1500 rpm	108,894	**399**	622-5-37°-24	184,606	**376**						
AHB-16..-4D	4	1,5 kW, 1500 rpm	108,894	**399**	622-5-37°-24	184,606	**376**						
AHB-17..-4D	3	3,0 kW, 1500 rpm	109,413	**543**	702-5-40°-28	184,812	**376**						
AHB-18..-4D	4	3,0 kW, 1500 rpm	109,413	**543**	702-5-40°-28	184,812	**376**						
AHB-19..-4D	4	3,0 kW, 1500 rpm	109,413	**543**	702-5-40°-28	184,812	**376**						
AHB-20..-4D	4	3,0 kW, 1500 rpm	109,413	**543**	702-5-40°-28	184,812	**376**						
AHB-1..-6D/6Y	1	FB035-SDK2C6S	178,905	**297**									
AHB-2..-6D/6Y	1	FB045-SDK4C6P	178,921	**308**									
AHB-3..-6D/6Y	1	FB045-SDK4C6P	178,921	**308**									
AHB-4..-6D/6Y	1	FB050-SDK4C6P	178,947	**318**									
AHB-5..-6D/6Y	2	FB045-SDK4C6P	178,921	**308**									
AHB-6..-6D/6Y	2	FB045-SDK4C6P	178,921	**308**									
AHB-7..-6D/6Y	2	FB050-SDK4C6P	178,947	**318**									
AHB-8..-6D/6Y	3	FB045-SDK4C6P	178,921	**308**									
AHB-9..-6D/6Y	3	FB050-SDK4C6P	178,947	**318**									
AHB-10..-6D/6Y	3	FB056-SDK4F6L	178,962	**345**									
AHB-11..-6D/6Y	4	FB050-SDK4C6P	178,947	**318**									
AHB-12..-6D/6Y	4	FB056-SDK4F6L	178,962	**345**									
AHB-13..-6D/6Y	5	FB056-SDK4F6L	178,962	**345**									
AHB-14..-6D	3	0,55 kW, 1000 rpm	109,058	**377**	622-5-37°-19	192,302	**357**						
AHB-15..-6D	4	0,55 kW, 1000 rpm	109,058	**377**	622-5-37°-19	192,302	**357**						
AHB-16..-6D	4	0,55 kW, 1000 rpm	109,058	**377**	622-5-37°-19	192,302	**357**						
AHB-17..-6D	3	1,2 kW, 1000 rpm	E28224	**491**	702-5-40°-24	192,310	**357**						
AHB-18..-6D	4	1,2 kW, 1000 rpm	E28224	**491**	702-5-40°-24	192,310	**357**						
AHB-19..-6D	4	1,2 kW, 1000 rpm	E28224	**491**	702-5-40°-24	192,310	**357**						
AHB-20..-6D	4	1,2 kW, 1000 rpm	E28224	**491**	702-5-40°-24	192,310	**357**						

Product	pcs	3/400V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL	1/230V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL
Type		Fan		€			€	Fan		€			€
AKP-01	1	0,55 kW, 1500 rpm	108,886	**385**	502-8-40-19	222,109	**268**						
AKP-02	2	0,37 kW, 1500 rpm	108,878	**366**	510-6-40-14	222,122	**215**						
AKP-03	2	0,55 kW, 1500 rpm	108,886	**385**	502-8-40-19	222,109	**268**						
AKP-04	3	0,37 kW, 1500 rpm	108,878	**366**	510-6-40-14	222,122	**215**						
AKP-05	3	0,55 kW, 1500 rpm	108,886	**385**	502-8-40-19	222,109	**268**						
AKP-06	3	0,55 kW, 1500 rpm	108,886	**385**	502-8-40-19	222,109	**268**						
AKP-07	2	1,5 kW, 1500 rpm	108,894	**399**	610-5-40°-24	E30914	**430**						
AKP-08	3	1,1 kW, 1500 rpm	109,405	**378**	610-8-35°-24	222,113	**273**						
AKP-09	3	1,5 kW, 1500 rpm	108,894	**399**	610-5-40°-24	E30914	**430**						
AKP-01…M	1	0,25 kW, 1000 rpm	111,757	**364**	510-9-32.5°-14	222,193	**407**						
AKP-02…M	2	0,09 kW, 1000 rpm	217,174	**316**	510-6-40-14	222,122	**215**						
AKP-03…M	2	0,25 kW, 1000 rpm	111,757	**364**	510-9-32.5°-14	222,193	**407**						
AKP-04…M	3	0,09 kW, 1000 rpm	217,174	**316**	510-6-40-14	222,122	**215**						
AKP-05…M	3	0,25 kW, 1000 rpm	111,757	**364**	510-9-32.5°-14	222,193	**407**						
AKP-06…M	3	0,25 kW, 1000 rpm	111,757	**364**	510-9-32.5°-14	222,193	**407**						
AKP-07…M	2	0,55 kW, 1000 rpm	109,058	**377**	610-4-35°-19	222,115	**185**						
AKP-08…M	3	0,55 kW, 1000 rpm	109,058	**377**	610-4-35°-19	222,115	**185**						
AKP-09…M	3	0,55 kW, 1000 rpm	109,058	**377**	610-4-35°-19	222,115	**185**						

Product	pcs	3/400V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL	1/230V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL
Type		Fan		€			€	Fan		€			€
AMP-1	1	0,37 kW, 1500 rpm	108,878	**366**	510-6-40°-14	222,174	**310**						
AMP-2	1	0,55 kW, 1500 rpm	108,886	**385**	510-5-35-19	222,182	**403**						
AMP-3	1	0,55 kW, 1500 rpm	108,886	**385**	510-5-35-19	222,182	**403**						
AMP-4	2	0,37 kW, 1500 rpm	108,878	**366**	510-6-40°-14	222,174	**310**						
AMP-5	2	0,37 kW, 1500 rpm	108,878	**366**	510-6-40°-14	222,174	**310**						
AMP-6	2	0,55 kW, 1500 rpm	108,886	**385**	510-5-35-19	222,182	**403**						
AMP-7	3	0,37 kW, 1500 rpm	108,878	**366**	510-6-40°-14	222,174	**310**						
AMP-8	3	0,55 kW, 1500 rpm	108,886	**385**	510-5-35-19	222,182	**403**						
AMP-9	4	0,37 kW, 1500 rpm	108,878	**366**	510-6-40°-14	222,174	**310**						
AMP-10	4	0,55 kW, 1500 rpm	108,886	**385**	510-5-35-19	222,182	**403**						
AMP-1…M	1	0,09 kW, 1000 rpm	217,174	**316**	510-6-40°-14	222,174	**310**						
AMP-2…M	1	0,25 kW, 1000 rpm	111,757	**364**	510-9-32.5°-14	222,192	**407**						
AMP-3…M	1	0,25 kW, 1000 rpm	111,757	**364**	510-9-32.5°-14	222,192	**407**						
AMP-4…M	2	0,09 kW, 1000 rpm	217,174	**316**	510-6-40°-14	222,174	**310**						
AMP-5…M	2	0,09 kW, 1000 rpm	217,174	**316**	510-6-40°-14	222,174	**310**						
AMP-6…M	2	0,25 kW, 1000 rpm	111,757	**364**	510-9-32.5°-14	222,192	**407**						
AMP-7…M	3	0,09 kW, 1000 rpm	217,174	**316**	510-6-40°-14	222,174	**310**						
AMP-8…M	3	0,25 kW, 1000 rpm	111,757	**364**	510-9-32.5°-14	222,192	**407**						
AMP-9…M	4	0,09 kW, 1000 rpm	217,174	**316**	510-6-40°-14	222,174	**310**						
AMP-10…M	4	0,25 kW, 1000 rpm	111,757	**364**	510-9-32.5°-14	222,192	**407**						

Product	pcs	3/400V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL	1/230V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL
Type		Fan		€			€	Fan		€			€
HEL-6 (S,K)	1							(Kit)	65,540	**168**			
HEL-13 (S,K)	2							(Kit)	65,540	**168**			
HEL-1	1							16 W, 1250 rpm	222,153	**86**	254-5-31°	1,909	**37**
HEL-2	2							16 W, 1250 rpm	222,153	**86**	254-5-31°	1,909	**37**
HEV-01	1							FD2,184W,1400rpm	181,263	**245**	(**)		
HEV-02	1							FD2,184W,1400rpm	181,263	**245**	(**)		
	1							FD1,184W,1400rpm	181,255	**238**	(*)		
HEV-03	2							FD2,184W,1400rpm	181,263	**245**	(**)		
HEV-01	1							FD2 185/240 M358	37,739	**419**	(**)		
HEV-02	1							FD2 185/240 M358	37,739	**419**	(**)		
	1							FDI 185/176 M358	37,721	**351**	(*)		
HEV-03	2							FD2 185/240 M358	37,739	**419**	(**)		
HEV-110	1							FD1, 147 W	222,100	**373**	(**)		
HEV-215	1							FD1, 147 W	222,100	**373**	(**)		
	1							FD1, 147 W	222,099	**314**	(*)		
HEV-320	2							FD1, 147 W	222,100	**373**	(**)		
HEV-110	1							FD1, 147 W	222,107	**346**	(**)		
HEV-215	1							FD1, 147 W	222,107	**346**	(**)		
	1							FD1, 147 W	222,106	**346**	(*)		
HEV-320	2							FD1, 147 W	222,107	**346**	(**)		

(*):One shaft (motor+capasitor)
(**):Two shaft (motor+capasitor)

Product	pcs	3/400V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL	1/230V Motor	Part n:o	RCPL	Fan blade	Part n:o	RCPL
Type		Fan		€			€	Fan		€			€
HKP-35-6D/6Y	1	FB035-SDK2C3S	208,983	**297**									
HKP-45-6D/6Y	1	FE045-SDK4F4	222,001	**341**									
HKP-56-6D/6Y	1	FB056-SDK4F3L	192,781	**398**									
HKP-35-4Y (1400 rpm)	1	S4D350-AA16-18	208,975	**291**									
HKP-45-4D/4Y	1	FE045-VDK4F3	222,000	**341**									
HKP-56-4D/4Y	1	AFK560-25/4-4T-A	222,007	**369**									
HMP-40-6D/6Y	1	FB035-SDK2C6S	178,905	**297**									
HMP-50-6D/6Y	1	FB050-SDK4C6P	178,947	**318**									
HMP-40-4D/4Y	1	S4D350-AA06-09	178,863	**291**									
HMP-50-4D/4Y	1	AFK500-30/4-4T-B	222,058	**323**									

Coil blocks for air heaters				
Product	pcs		Part n:o	RCPL
HEL-1	1	Coil block	58,594	**393**
HEL-2	1	Coil block	58,610	**519**
HEV-01	1	Coil block	161,695	**1190**
HEV-02	1	Coil block	161,703	**1316**
HEV-03	1	Coil block	161,711	**1484**
HEV-110	1	Coil block	13,843	**1071**
HEV-215	1	Coil block	13,844	**1184**
HEV-320	1	Coil block	13,845	**1336**

Distribution units

Mini/Low Silhouette

Technical specifications							
Geometry	Cooler model	Capacity kW (1)	Air vol. m^3/h	Coil Material	Refrigerant		
					(H)CFC	NH_3	CO_2
Mini	COMPACT	0.5 - 1.5	440-980	Cu/Al	X		
	HELPMAN PLV	0.4 - 1.6	450-1.000	Cu/Al	X		
Low silhouette	SLIM	1 - 3	900-2.500	Cu/Al	X		
	HELPMAN PX	1.4 - 8.8	1.000-6.000	Cu/Al	X		

Product family: Compact / Slim Line							
Model (*)	Features					Order number	RCPL
	Capacity-SC (**) [kW]	AirFlow [m^3/h]	Surface [m^2]	Fin spacing [mm]	Defrost		
CGL1	0.5	490	1.7	4.2	Air	3289003629	**265**
CGL2	0.62	440	2.3	4.2	Air	3289003720	**267**
CGL3	1.07	980	3.4	4.2	Air	3289003721	**389**
CGL4	1.24	880	4.6	4.2	Air	3289003722	**407**
CGL5	1.34	790	5.7	4.2	Air	3289003723	**409**
CGL6	1.51	710	6.8	4.2	Air	3289003724	**428**

(*): plastic casing, fan motors 230V/1ph/50Hz
(**): Nominal capacity according to ENV328 and Eurovent regulations (DT = Tin,air - Tev). SC2: DT=8K and Tev= -8°C.
In case of inconsistency of data between this book and selection software, please refer always to the last one.

Options: Electrical defrost (kit)	Order number	RCPL
CGL1	41001025	**18**
CGL2	41001025	**18**
CGL3	41001026	**23**
CGL4	41001026	**23**
CGL5	41001026	**23**
CGL6	41001026	**23**

Type/code		Fans	Cap.*kW	Air vol.m^3/h	RCPL
Standard	HELPMAN PLV 13-4	1	490	500	**244**
	HELPMAN PLV 14-4	1	650	475	**262**
	HELPMAN PLV 15-4	1	760	450	**286**
	HELPMAN PLV 23-4	2	1160	1000	**359**
	HELPMAN PLV 24-4	2	1440	950	**376**
	HELPMAN PLV 25-4	2	1590	900	**398**
	HELPMAN PLV 33-4	3	1720	1500	**516**
	HELPMAN PLV 34-4	3	2040	1425	**542**
	HELPMAN PLV 35-4	3	2230	1350	**574**
	HELPMAN PLV 13-6	1	400	520	**237**
	HELPMAN PLV 14-6	1	550	495	**260**
	HELPMAN PLV 15-6	1	650	475	**278**
	HELPMAN PLV 23-6	2	960	1040	**349**
	HELPMAN PLV 24-6	2	1220	990	**362**
	HELPMAN PLV 25-6	2	1400	950	**385**
	HELPMAN PLV 33-6	3	1470	1560	**508**
	HELPMAN PLV 34-6	3	1790	1485	**528**
	HELPMAN PLV 35-6	3	2015	1425	**555**
Electric defrost E2	HELPMAN PLV 13-4	1	490	500	**298**
	HELPMAN PLV 14-4	1	650	475	**316**
	HELPMAN PLV 15-4	1	760	450	**339**
	HELPMAN PLV 23-4	2	1160	1000	**421**
	HELPMAN PLV 24-4	2	1440	950	**439**
	HELPMAN PLV 25-4	2	1590	900	**460**
	HELPMAN PLV 33-4	3	1720	1500	**589**
	HELPMAN PLV 34-4	3	2040	1425	**615**
	HELPMAN PLV 35-4	3	2230	1350	**647**
	HELPMAN PLV 13-6	1	400	520	**291**
	HELPMAN PLV 14-6	1	550	495	**314**
	HELPMAN PLV 15-6	1	650	475	**332**
	HELPMAN PLV 23-6	2	960	1040	**411**
	HELPMAN PLV 24-6	2	1220	990	**423**
	HELPMAN PLV 25-6	2	1400	950	**446**
	HELPMAN PLV 33-6	3	1470	1560	**580**
	HELPMAN PLV 34-6	3	1790	1485	**601**
	HELPMAN PLV 35-6	3	2015	1425	**628**

* Nominal capacities for R-404A according to Eurovent SC2, lightly frosted coil.

Product family: Compact / Slim Line							
Model (*)	Features					Order number	RCPL
	Capacity-SC (**) [kW]	AirFlow [m^3/h]	Surface [m^2]	Fin spacing [mm]	Defrost		
SGL11	1.03	900	5.8	3	Air	3289003731	**331**
SGL12	1.2	850	7.7	3	Air	3289003732	**361**
SGL13	1.75	1500	8.5	3	Air	3289003733	**437**
SGL14	2.01	1400	11.4	3	Air	3289003734	**495**
SGL15	2.57	2200	12.8	3	Air	3289003654	**588**
SGL16	3.07	2100	17	3	Air	3289003735	**657**
SBL21	0.74	1050	3.7	4/8	Air	3289003725	**393**
SBL22	0.95	1000	5.2	4/8	Air	3289003726	**360**
SBL23	1.25	1751	5.5	4/8	Air	3289003727	**451**
SBL24	1.42	1649	7.6	4/8	Air	3289003728	**493**
SBL25	1.71	2500	8.2	4/8	Air	3289003729	**607**
SBL26	2.23	2401	11.4	4/8	Air	3289003730	**626**

(*): plastic casing, fan motors 230V/1ph/50Hz
(**): Nominal capacity according to ENV328 and Eurovent regulations (DT = Tin,air - Tev). SC2: DT=8K and Tev= -8°C.
In case of inconsistency of data between this book and selection software, please refer always to the last one.

Options: Electrical defrost (kit)	Order number	RCPL
SGL11 - SBL21	11299950	**78**
SGL12 - SBL22	11299951	**78**
SGL13 - SBL23	11299952	**85**
SGL14 - SBL24	11299953	**85**
SGL15 - SBL25	11299954	**100**
SGL16 - SBL26	11299955	**100**

HELPMAN PX					
Type/code		Fans	Cap.*kW	Air vol.m^3/h	RCPL
Standard	HELPMAN PX 1-7	1	1.4	1000	**789**
	HELPMAN PX 2-7	2	2.9	2000	**1240**
	HELPMAN PX 3-7	3	4.5	3000	**1624**
	HELPMAN PX 4-7	4	6.0	4000	**2111**
	HELPMAN PX 5-7	5	7.4	5000	**2485**
	HELPMAN PX 6-7	6	8.8	6000	**3089**
Electric defrost E2	HELPMAN PX 1-7-E2	1	1.4	1000	**1006**
	HELPMAN PX 2-7-E2	2	2.9	2000	**1475**
	HELPMAN PX 3-7-E2	3	4.5	3000	**1876**
	HELPMAN PX 4-7-E2	4	6.0	4000	**2387**
	HELPMAN PX 5-7-E2	5	7.4	5000	**2798**
	HELPMAN PX 6-7-E2	6	8.8	6000	**3450**

Cubic Line/Single Air Discharge

Technical specifications							
Geometry	Cooler model	Capacity kW (1)	Air vol. m^3/h	Coil Material	Refrigerant		
					(H)CFC	NH_3	CO_2
Draw through unit coolers	ALFACUBIC	1.5 - 57	1.500-30.000	Cu/Al - SS/Al	X	X	X
Blow through unit coolers	HELPMAN LEX	1.3 - 40	1.080-26.000	Cu/Al	X		

Product family: AlfaCubic							
Model (*)	Features					Order number	RCPL
	Capacity-SC (**) [kW]	AirFlow [m^3/h]	Surface [m^2]	Fin spacing [mm]	Defrost		
GLE352B4	8.6	4412	64.1	4.0	Electrical	3289003579	**1430**
GLE353A4	10.6	7096	64.1	4.0	Electrical	3289003581	**1678**
GLE353B4	13.2	6618	96.1	4.0	Electrical	3289003766	**1928**
GLE354B4	17.5	8824	128	4.0	Electrical	3289003624	**2421**
RLE251B55	2.4	1499	14.2	5.5	Electrical	3289003591	**786**
RLE252A55	3.7	3192	18.9	5.5	Electrical	3289003592	**948**
RLE252B55	4.9	2997	28.4	5.5	Electrical	3289003447	**1073**
RLE351A55	2.9	2427	15.8	5.5	Electrical	3289003459	**906**
RLE351B55	3.8	2295	23.6	5.5	Electrical	3289003594	**1016**
RLE352A55	5.9	4853	31.5	5.5	Electrical	3289003595	**1211**
RLE352B55	7.7	4590	47.3	5.5	Electrical	3289003596	**1379**
RLE353A55	8.9	7280	47.3	5.5	Electrical	3289003597	**1626**
RLE353B55	11.7	6886	70.9	5.5	Electrical	3289003448	**1848**
RLE354B55	15.5	9181	94.6	5.5	Electrical	3289003768	**2315**
RLE502B55	22.0	14814	118.0	5.5	Electrical	3289004504	**3162**
RLE502C55	25.7	14079	158.0	5.5	Electrical	3289003432	**3611**
RLE503B55	32.9	22251	179.0	5.5	Electrical	3289005258	**4328**
RLE503C55	38.9	21178	238.0	5.5	Electrical	3289004148	**4950**
RLE504B55	44.1	29689	239.0	5.5	Electrical	3289004320	**5242**
RLE504C55	52.0	28263	318.0	5.5	Electrical	3289003835	**6231**
BLE251A7	1.6	1616	7.5	7.0	Electrical	3289003568	**709**
BLE251B7	2.2	1526	11.3	7.0	Electrical	3289003604	**782**
BLE252A7	3.2	3232	15.1	7.0	Electrical	3289000049	**941**
BLE252B7	4.3	3053	22.6	7.0	Electrical	3289003606	**1063**
BLE351B7	3.4	2338	18.8	7.0	Electrical	3289003609	**1005**
BLE352A7	5.1	4910	25.1	7.0	Electrical	3289003610	**1194**
BLE352B7	6.9	4676	37.7	7.0	Electrical	3289003532	**1354**
BLE353A7	7.7	7365	37.7	7.0	Electrical	3289003611	**1594**
BLE353B7	10.4	7014	56.5	7.0	Electrical	3289003612	**1802**
BLE354B7	13.9	9352	75.3	7.0	Electrical	3289003614	**2257**
BLE403B7	14.8	10038	80.0	7.0	Electrical	3289000058	**2644**
BLE403C7	17.7	9641	107.0	7.0	Electrical	3289000059	**3068**
BLE502B7	19.5	15076	94.0	7.0	Electrical	3289003616	**3111**
BLE502C7	23.4	14410	126.0	7.0	Electrical	3289003758	**3378**
BLE503B7	29.3	22641	142.0	7.0	Electrical	3289003443	**4255**
BLE503C7	35.3	21671	190.0	7.0	Electrical	3289003688	**4866**
BLE504C7	47.2	28918	254.0	7.0	Electrical	3289003760	**6126**

(*): Prepainted aluminium casing, fan motors 230V/1ph/50Hz
(**): Nominal capacity according to ENV328 and Eurovent regulations (DT = Tin,air - Tev). SC2: DT=8K and Tev= -8°C.
In case of inconsistency of data between this book and selection software, please refer always to the last one.

Options		
	Order number	RCPL
Cable electrical heater RS 70W (for drain pipe)	41001200	**18**
Cable electrical heaterRS 100W(for drain pipe)	41001201	**27**

HELPMAN LEX					
Type/code		Fans	Cap.*kW	Air vol.m³/h	RCPL
Standard	HELPMAN LEX 2	1	1.3	1080	**614**
	HELPMAN LEX 4	1	1.9	1840	**687**
	HELPMAN LEX 6	1	2.8	1750	**921**
	HELPMAN LEX 8	1	4.4	2800	**1055**
	HELPMAN LEX 10	2	4.1	3680	**1215**
	HELPMAN LEX 12	2	5.5	3500	**1395**
	HELPMAN LEX 14	1	5.9	3900	**1433**
	HELPMAN LEX 16	1	7.9	5100	**1759**
	HELPMAN LEX 18	2	9.0	5600	**1895**
	HELPMAN LEX 20	2	12.2	7800	**2303**
	HELPMAN LEX 22	2	15.7	10200	**2762**
	HELPMAN LEX 24	2	20.0	13000	**3230**
	HELPMAN LEX 26	3	24.6	15300	**3918**
	HELPMAN LEX 28	3	31.0	19500	**4585**
	HELPMAN LEX 30	4	40.1	26000	**5991**
Electric defrost E2	HELPMAN LEX 2-E2	1	1.3	1080	**729**
	HELPMAN LEX 4-E2	1	1.9	1840	**832**
	HELPMAN LEX 6-E2	1	2.8	1750	**1066**
	HELPMAN LEX 8-E2	1	4.4	2800	**1204**
	HELPMAN LEX 10-E2	2	4.1	3680	**1375**
	HELPMAN LEX 12-E2	2	5.5	3500	**1555**
	HELPMAN LEX 14-E2	1	5.9	3900	**1727**
	HELPMAN LEX 16-E2	1	7.9	5100	**2079**
	HELPMAN LEX 18-E2	2	9.0	5600	**2235**
	HELPMAN LEX 20-E2	2	12.2	7800	**2673**
	HELPMAN LEX 22-E2	2	15.7	10200	**3204**
	HELPMAN LEX 24-E2	2	20.0	13000	**3672**
	HELPMAN LEX 26-E2	3	24.6	15300	**4447**
	HELPMAN LEX 28-E2	3	31.0	19500	**5115**
	HELPMAN LEX 30-E2	4	40.1	26000	**6628**

Ceiling/Dual Air Discharge

Technical specifications							
Geometry	Cooler model	Capacity kW (1)	Air vol. m^3/h	Coil Material	Refrigerant		
					(H)CFC	NH_3	CO_2
Dual discharge bottom	TOP	1.2 - 10.3	1.400-7.100	Cu/Al - SS/Al			

Product family: Celing Line							
Model (*)	Features					Order number	RCPL
	Capacity-SC (**) [kW]	AirFlow [m^3/h]	Surface [m^2]	Fin spacing [mm]	Defrost		
TGL31	1.57	1420	11.4	4.5	Air	3289005746	**590**
TGL31	1.57	1420	11.4	4.5	Electrical	3289004398	**685**
TGL31-6P	1.31	962	11.4	4.5	Air	3289003742	**590**
TGL32	2.11	1320	15.3	4.5	Air	3289003744	**685**
TGL32	2.11	1320	15.3	4.5	Electrical	3289003745	**781**
TGL32-6P	1.76	911	15.3	4.5	Air	3289003743	**685**
TGL33	3.24	2841	22.9	4.5	Air	3289003746	**917**
TGL33	3.24	2841	22.9	4.5	Electrical	3289003747	**1003**
TGL33-6P	2.69	1924	22.9	4.5	Air	3289003546	**917**
TGL34	4.08	2640	30.5	4.5	Air	3289003541	**1049**
TGL34	4.08	2640	30.5	4.5	Electrical	3289003749	**1135**
TGL34-6P	3.37	1821	30.5	4.5	Air	3289003748	**1049**
TGL35	5.22	4778	35.3	4.5	Air	3289003750	**1265**
TGL35	5.22	4778	35.3	4.5	Electrical	3289003751	**1378**
TGL35-6P	4.32	3147	35.3	4.5	Air	3289003514	**1265**
TGL36	6.88	4461	47.1	4.5	Air	3289003540	**1498**
TGL36	6.88	4461	47.1	4.5	Electrical	3289003753	**1611**
TGL36-6P	5.59	2974	47.1	4.5	Air	3289003752	**1498**
TGL37	8.01	7160	52.9	4.5	Air	3289000597	**1883**
TGL37	8.01	7160	52.9	4.5	Electrical	3289003691	**2008**
TGL37-6P	6.58	4715	52.9	4.5	Air	3289003754	**1882**
TGL38	10.21	6692	70.5	4.5	Air	3289000766	**2209**
TGL38	10.21	6692	70.5	4.5	Electrical	3289003680	**2334**
TGL38-6P	8.29	4461	70.5	4.5	Air	3289003756	**2209**

(*): plastic casing, fan motors 230V/1ph/50Hz
(**): Nominal capacity according to ENV328 and Eurovent regulations (DT = Tin,air - Tev). SC2: DT=8K and Tev= -8°C.
In case of inconsistency of data between this book and selection software, please refer always to the last one.

Axial Condenser

Product Family: AlfaBlue Junior Line						
Model	**Features**					
Available on Stock	**Capacity-SC(*) [kW]**	**Sound pressure level Lp (10 m)**	**Fan motors**	**Surface [m²]**	**Order number**	**RCPL**
AGS 401 A	7.9	42.0	230V/1Ph-50Hz	12.9	3289014121	**495**
AGS 401 B	11.2	42.0	230V/1Ph-50Hz	19.3	3289014122	**567**
AGS 402 A	16.0	45.0	230V/1Ph-50Hz	25.8	3289014123	**814**
AGS 402 B	22.6	45.0	230V/1Ph-50Hz	38.6	3289014124	**927**
AGS 403 A	23.9	47.0	230V/1Ph-50Hz	38.6	3289014125	**1108**
AGS 403 B	38.7	47.0	230V/1Ph-50Hz	58.0	3289014126	**1240**
AGS 501 A	22.7	44.0	400V/3Ph-50Hz	28.1	3289014127	**900**
AGS 501 B	27.1	44.0	400V/3Ph-50Hz	42.2	3289014128	**1032**
AGS 501 C	29.3	44.0	400V/3Ph-50Hz	56.2	3289014129	**1155**
AGS 502 A	45.8	47.0	400V/3Ph-50Hz	56.2	3289014130	**1475**
AGS 502 A	43.4	47.0	230V/1Ph-50Hz	56.2	3289014131	**1475**
AGS 502 B	54.0	47.0	400V/3Ph-50Hz	84.3	3289014132	**1778**
AGS 502 C	59.1	47.0	400V/3Ph-50Hz	112.4	3289014133	**1988**
AGS 502 C	55.0	47.0	230V/1Ph-50Hz	112.4	3289014134	**1988**
AGS 503 A	69.1	49.0	400V/3Ph-50Hz	84.3	3289014135	**2176**
AGS 503 B	81.4	49.0	400V/3Ph-50Hz	126.5	3289014136	**2592**
AGS 503 C	88.6	49.0	400V/3Ph-50Hz	168.7	3289014137	**2928**
AGS 504 B	109.0	50.0	400V/3Ph-50Hz	168.7	3289014138	**3349**
AGS 504 C	118.6	50.0	400V/3Ph-50Hz	224.9	3289014139	**3806**
AGQ 501 A	13.3	29.0	230V/1Ph-50Hz	28.1	3289014141	**900**
AGQ 502 A	26.5	32.0	230V/1Ph-50Hz	56.2	3289014142	**1475**
AGQ 504 B	60.7	35.0	400V/3Ph-50Hz	168.7	3289014143	**3453**
Available on 10 Working Days	**Capacity-SC(*) [kW]**	**Noise Level Available**	**Fan motors**	**Surface [m²]**	**Order number**	**RCPL**
AG_631B	Capacity Range: 14kW-265kW. Check the performance using the selection software CAS/AlfaSelect	S, L, Q, R	400V/3Ph-50Hz	60,78	--	**1674**
AG_631C		S, L, Q, R	400V/3Ph-50Hz	81,04	--	**1882**
AG_632B		S, L, Q, R	400V/3Ph-50Hz	121,60	--	**2580**
AG_632C		S, L, Q, R	400V/3Ph-50Hz	162,10	--	**2867**
AG_633B		S, L, Q, R	400V/3Ph-50Hz	182,30	--	**3855**
AG_633C		S, L, Q, R	400V/3Ph-50Hz	243,10	--	**4274**
AG_634B		S, L, Q, R	400V/3Ph-50Hz	243,10	--	**5085**
AG_634C		S, L, Q, R	400V/3Ph-50Hz	324,20	--	**5664**
AG_635B		S, L, Q, R	400V/3Ph-50Hz	292,80	--	**6642**
AG_635C		S, L, Q, R	400V/3Ph-50Hz	390,40	--	**7123**
AG_636B		S, L, Q, R	400V/3Ph-50Hz	351,40	--	**8227**
AG_636C		S, L, Q, R	400V/3Ph-50Hz	468,50	--	**9018**

(*): Nominal capacities according to standard ENV327(R404A Tair=25°C, Tcond=40°C, DTsubcool<3K, DTsuperheat=25K).
In case of inconsistency of data between this book and selection software, please refer always to the last one.

Support kit options					
Model	**Feet**			**Vibration dampers**	
	Code	**H**	**RCPL**	**Code**	**RCPL**
401	10999017	350 mm	**97**	10999345	**149**
402	10999017	350 mm	**97**	10999345	**149**
403	10999017	350 mm	**97**	10999345	**149**
501	10999364	420 mm	**126**	10999345	**149**
502	10999364	420 mm	**126**	10999345	**149**
503	10999364	420 mm	**126**	10999345	**149**
504	10999365	420 mm	**177**	10999346	**364**
631	10999461	500mm	**108**	10999345	**149**
632	10999461	500mm	**108**	10999345	**149**
633	10999461	500mm	**108**	10999345	**149**
634	10999462	500mm	**162**	10999346	**364**
635	10999463	500mm	**216**	10999347	**486**
636	10999463	500mm	**216**	10999347	**486**

Product family: AlfaBlue line (*)						
Model	Features					
Available on 10 Working Days	Capacity-SC(*) [kW]	Noise Level Available	Fan motors	Surface [m²]	Order number	RCPL
BCM_631B	Capacity Range: 20kW–360kW. Check the performance using the selection software CAS/AlfaSelect	S, L, Q, R	400V/3Ph/50Hz	80.1	-	Please, see the correct prices list in the AlfaBlue condensers chapter.
BCM_631C		S, L, Q, R	400V/3Ph/50Hz	106.8	-	
BCM_632B		S, L, Q, R	400V/3Ph/50Hz	156.7	-	
BCM_632C		S, L, Q, R	400V/3Ph/50Hz	208.9	-	
BCM_633B		S, L, Q, R	400V/3Ph/50Hz	233.3	-	
BCM_633C		S, L, Q, R	400V/3Ph/50Hz	311.1	-	
BCM_634B		S, L, Q, R	400V/3Ph/50Hz	309.9	-	
BCM_634C		S, L, Q, R	400V/3Ph/50Hz	413.2	-	
BCM_802B		S, L, Q, R	400V/3Ph/50Hz	291.0	-	
BCM_802C		S, L, Q, R	400V/3Ph/50Hz	388.1	-	
BCM_803B		S, L, Q, R	400V/3Ph/50Hz	738.3	-	
BCM_803C		S, L, Q, R	400V/3Ph/50Hz	984.5	-	
BCM_902B		T, S, L, Q, R	400V/3Ph/50Hz	348.4	-	
BCM_902C		T, S, L, Q, R	400V/3Ph/50Hz	464.6	-	
BCM_903B		T, S, L, Q, R	400V/3Ph/50Hz	884.6	-	
BCM_903C		T, S, L, Q, R	400V/3Ph/50Hz	1179.5	-	

(*): Product line offered in basic version or with light electrical equipment (safety swith, junction box...)
(**): (*): Nominal capacities according to standard ENV327(R404A Tair=25°C, Tcond=40°C, DTsubcool<3K, DTsuperheat=25K).
(***): all the three phase fan motors are dual speed version.
In case of inconsistency of data between this book and selection software, please refer always to the last one.

Options								
Support kit options								
Model	Feet						Vibration dampers	
	H850 mm		H500 mm		Feet adjustable			
	Code	RCPL	Code	RCPL	Code	RCPL	Code	RCPL
631	10999206	**481**	10999203	**343**	10999209	**361**	10999345	**149**
632	10999206	**481**	10999203	**343**	10999209	**361**	10999345	**149**
633	10999206	**481**	10999203	**343**	10999209	**361**	10999345	**149**
634	10999207	**694**	10999204	**487**	10999210	**515**	10999346	**364**
802	10999206	**481**	10999203	**343**	10999209	**361**	10999345	**149**
803	10999206	**481**	10999203	**343**	10999209	**361**	10999345	**149**
902	10999206	**481**	10999203	**343**	10999209	**361**	10999345	**149**
903	10999206	**481**	10999203	**343**	10999209	**361**	10999078	**244**

Model	RCPL	
	SW	CB
631	**121**	**265**
632	**243**	**332**
633	**363**	**649**
634	**485**	**909**
802	**243**	**536**
803	**363**	**647**
902	**243**	**520**
903	**363**	**647**

SW: safety switch for each fan motor.
CB: terminal box.

Alfa Laval in brief
Alfa Laval is a leading global provider of specialized products and engineered solutions.

Our equipment, systems and services are dedicated to helping customers to optimize the performance of their processes. Time and time again.

We help our customers to heat, cool, separate and transport products such as oil, water, chemicals, beverages, foodstuffs, starch and pharmaceuticals.

Our worldwide organization works closely with customers in almost 100 countries to help them stay ahead.

How to contact Alfa Laval
Up-to-date Alfa Laval contact details for all countries are always available on our website at www.alfalaval.com