

**embraco**  
*Nidec*

# COMPRESSORS FOR COMMERCIAL REFRIGERATION



Maximum energy optimization from production to product.

FAMILIES:  
**EM • FMF • EH • NEX • NTX • NJX • SCROLL**

# GREEN PROPANE SOLUTION

# EM

Ideal for **Commercial Refrigeration**



THE MOST EFFICIENT  
**ON-OFF COMPRESSOR**  
IN EMBRACO'S  
COMMERCIAL PORTFOLIO



**HIGH EFFICIENCY LEVEL**  
Up to 30% in comparison with  
the current Embraco solutions  
in the market



**WIDE COOLING  
CAPACITY**



**LOWER NOISE LEVEL**  
On the system



**WIDE  
APPLICATION  
RANGE**  
L/MBP  
(Working range -35 / 0°)



**ENVIRONMENTALLY  
FRIENDLY**  
Uses R290 natural refrigerant  
with no impact on the  
ozone layer (GWP3)



**GLOBAL PLATFORM**

## APPLICATIONS

PROFESSIONAL  
KITCHENSCHEST  
FREEZERSVENDING  
MACHINESVERTICAL  
COOLERSISLAND  
COOLERS

## MODELS GENERAL DATA

220 - 240 V • 50 Hz

MODEL	APPLICATION	DISPL. [cc]	MOTOR TYPE	ASHRAE32 -23.3°C / 54.4°C		ASHRAE32 -6.7°C / 54.4°C		ASHRAE46 +7.2°C / 54.4°C	
EM2U3111U	L/MBP	3,0	RSCR	144	1,56	292	2,43	-	-
EM2X3113U	L/MBP	3,5	RSCR	152	1,59	320	2,42	-	-
EM2U3115U	L/MBP		RSCR	201	1,62	390	2,39	-	-
EMC3117U	L/MBP	4,0	RSCR	197	1,83	392	2,63	-	-
EMT2117U	LBP		CSIR	209	1,38	-	-	-	-
EM2X3117U	L/MBP		RSCR	212	1,71	425	2,50	-	-
EMC3119U	L/MBP	4,5	RSCR	236	1,86	461	2,73	-	-
EMT6144U	M/HBP		CSIR	-	-	-	-	616	2,62
EMX6144U	M/HBP		CSIR	-	-	-	-	639	2,68
EMT2121U	LBP		CSIR	265	1,46	-	-	-	-
EM2X3121U	L/MBP		RSCR	288	1,72	545	2,50	-	-
EMC3121U	L/MBP	5,5	RSCR	271	1,88	525	2,67	-	-
EMT6152U	M/HBP		CSIR	-	-	-	-	728	2,61
EMX6152U	M/HBP		CSIR	-	-	-	-	712	2,79
EMTS2125U	LBP		CSIR	301	1,53	-	-	-	-
EM2X3125U	L/MBP		RSCR	305	1,70	611	2,46	-	-
EMC3125U	L/MBP	6,0	RSCR	305	1,86	606	2,70	-	-
EMT6165U	M/HBP		CSIR	-	-	-	-	840	2,57
EMX6165U	M/HBP		CSIR	-	-	-	-	837	2,72
EMT1130U	LBP		RSIR	340	1,51	-	-	-	-
EMT2130U	LBP		CSIR	340	1,42	-	-	-	-
EMT4130U	L/MBP	7,0	CSIR	340	1,42	-	-	-	-
EMC3130U	L/MBP		RSCR	349	1,84	683	2,66	-	-
EMX6181U	M/HBP		CSIR	-	-	-	-	975	2,90
EMX3134U	L/MBP	8,0	RSCR	406	1,65	814	2,38	-	-
EMC3134U	L/MBP		RSCR	417	1,85	806	2,61	-	-
EMC3140U	L/MBP		RSCR	459	1,77	912	2,52	-	-
EMX2134U	LBP	9,0	CSIR	439	1,55	-	-	-	-
EMX6210U	M/HBP		CSIR	-	-	-	-	1266	2,68
EMX3140U	L/MBP	9,5	RSCR	482	1,62	966	2,34	-	-
EMC3145U	L/MBP	11,1	RSCR	559	1,75	1099	2,47	-	-

L/MBP = [-35 to 0°C] - LBP = [-40 to -10°C] - MBP/HBP = [-20 to +10°C]

GREAT EFFICIENCY

# FMF

Robustness and reliability with the **most efficient refrigeration solutions on the market** for various applications.



#### EFFICIENCY

Highest EER on R290 for commercial applications at variable speed



#### FAST COOLING

Target temperature reached faster, ensuring better food preservation



#### LOWER NOISE & LESS VIBRATIONS

Consistent noise level reduction compared to the other models in commercial applications



#### WIDE VOLTAGE RANGE

Guarantee for the equipment to run even with voltage fluctuation

# FMF

## APPLICATIONS



VERTICAL  
DISPLAY-CASES



VERTICAL  
FREEZERS



FROZEN  
ISLANDS



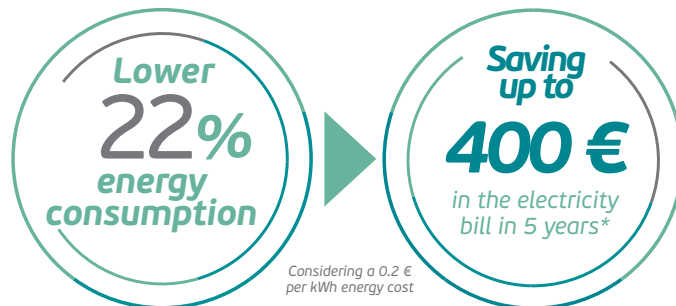
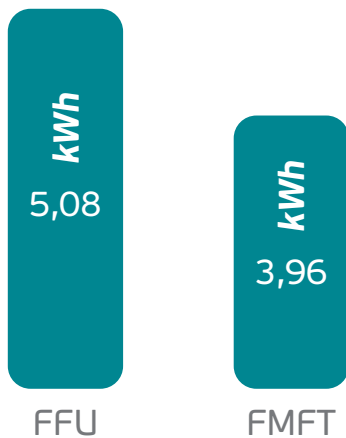
BEVERAGE  
COOLERS

## TECHNICAL DATA

MODEL	DISPLACEMENT (CC)	VOLTAGE / FREQUENCY	MOTOR TYPE	APPLICATION	SPEED RANGE (RPM)	COOLING CAPACITY	EFFICIENCY (W/W)
FMFT406U	6.44	Bi-Volt 110-240V 50/60Hz	BPM	L/MBP+	1400 - 4500	140 - 510	1.74 - 1.86
		Inverter PFC 220-240V 50/60Hz					1.74 - 1.81
FMFT408U	7.95	Bi-Volt 110-240V 50/60Hz	BPM	L/MBP LC	1800 - 4500	239 - 647	1.73 - 1.82
		Inverter PFC 220-240V 50/60Hz					1.72 - 1.77
FMFT411U	11.14	Bi-Volt 110-240V 50/60Hz	BPM	L/MBP+	1800 - 4500	350 - 870	1.78 - 1.85
		Inverter PFC 220-240V 50/60Hz					
FMFT413U	12.92	Bi-Volt 110-240V 50/60Hz	BPM	L/MBP+	1800 - 4500	405 - 1000	1.76 - 1.85
		Inverter PFC 220-240V 50/60Hz					1.76 - 1.80
FMFT415U*	14.77	Bi-Volt 110-240V 50/60Hz	BPM	L/MBP+	1600 - 5000	407-1263*	1.75 - 1.82*
		Inverter PFC 220-240V 50/60Hz					1.68 - 1.78*
PREMIUM FMFD413UE	10.86	Bi-Volt 110-240V 50/60Hz	BPM	L/MBP+	1600 - 5000	324-950	1.82 - 1.99
		Inverter PFC 220-240V 50/60Hz					1.80 - 1.92

\*preliminary data test conditions: Ashrae LBP32

## LOW ENERGY CONSUMPTION



Data collected in 5 years	FFU	FMFT
Total energy consumption (kWh)	9271	7227
Standard total energy consumption saving (kWh)	-	2044
Total energy costs saving (€)	-	400

This means that, in a store with 30 islands,  
you will save **€ 2,380 per year**

# LOWER ENERGY CONSUMPTION FOR FOOD SERVICE AND MERCHANDISERS APPLICATIONS

# EH

**Robust solution** with **lower noise** and **high-performance** levels



**HIGH EFFICIENCY LEVEL**  
Up to 10%\* more efficient



**LOWER NOISE LEVEL**  
3 dB less\*



**COMPACTNESS**  
Up to 10%\* with less height



**LESS WEIGHT**  
Up to 20%\* lighter



**ENVIRONMENTAL FRIENDLY**



**ROBUSTNESS AND RELIABILITY**

\*Comparison with others models in the market and based on internal tests.

## APPLICATIONS



PROFESSIONAL KITCHENS



CHEST FREEZERS



VERTICAL COOLERS



ISLAND COOLERS

## MODELS GENERAL DATA

MODEL	NOMINAL VOLTAGE [V] / FREQUENCY [Hz]	MOTOR	DISP [cc]	REFR. GAS	ENV. RANGE [°C]	50Hz		60Hz		TEST CONDITION
						COOLING CAP [W]	COP [W/W]	COOLING CAP [W]	COP [W/W]	
EHU2155U	220-240V 50Hz	CSIR	12.2	R290	-40 to -10°C	603	1.52	-	-	ASHRAELBP32
EHX2155U	220-240V 50Hz	CSIR	12.2	R290	-40 to -10°C	608	1.63	-	-	ASHRAELBP32
EHX2155U	115-127V 60Hz	CSIR	12.2	R290	-40 to -10°C	-	-	714	1.64	ASHRAELBP32
EHU6212U	220-240V 50Hz	CSIR	10.6	R290	-20 to +10°C	811	2.03	-	-	EN12900MBP
EHU6214U	220-240V 50Hz	CSIR	12.2	R290	-20 to +10°C	923	2.02	-	-	EN12900MBP
EHU2140GK*	220-240V 50Hz	CSIR	9.1	R404A	-40 to -5°C	450	1.40	-	-	ASHRAELBP32
EHU2150GK*	220-240V 50Hz	CSIR	12.2	R404A	-40 to -5°C	610	1.38	-	-	ASHRAELBP32
EHU2140GK*	208-230V 60Hz	CSIR	9.1	R404A	-40 to -5°C	-	-	543	1.40	ASHRAELBP32
EHU2150GK*	208-230V 60Hz	CSIR	12.2	R404A	-40 to -5°C	-	-	718	1.38	ASHRAELBP32
EHU2160U*	220-240V 50Hz	CSIR	14.7	R290	-40 to -10°C	700	1.50	-	-	ASHRAELBP32

\*Product still under evaluation. Preliminary performance demonstrated.

## CROSS REFERENCE • R290 Voltage 220 - 240 V / Frequency 50 Hz

COMPANY	EMBRACO	CUBIGEL	EMBRACO	SECOPI	EMBRACO	SECOPI	EMBRACO	CUBIGEL
Model	EHU2155U	NPY12LA	EHX2155U	NLE12.6CNL	EHU6212U	NLE10CN	EHU6214U	NPY12RA
Motor	CSIR	CSCR	CSIR	CSIR	CSIR	CSIR	CSIR	CSIR
Refrigerant	R290	R290	R290	R290	R290	R290	R290	R290
Application	-40 to -10°C	-40 to -10°C	-40 to -10°C	-40 to -5°C	-20 to +10°C	-35 to +10°C	-20 to +10°C	-15 to +10°C
Capacity [W] @ 50Hz	603	540	608	609	811	781	1646	1743
Cop [W/W] @ 50Hz	1,52	1,49	1,63	1,62	2,02	1,98	2,57	2,45
Test Condition	ASHRAELBP32	ASHRAELBP32	ASHRAELBP32	ASHRAELBP32	EN12900MBP	EN12900MBP	ASHRAELBP46	ASHRAELBP46
Disp. [cc]	12,2	12,1	12,2	12,6	10,6	10,1	12,2	12,1
Weight [kg]	10,6	12,2	10,6	11,8	10,6	10,9	10,6	12,2
Embraco Replacement	NEU2155U / NEK2150U / NEU2155GK / NEK2150U				NEU6212U / NEK6213U		NEU6214U / NEK6214U	

## CROSS REFERENCE • R404A Voltage 220 - 240 V / Frequency 50 Hz

COMPANY	EMBRACO	CUBIGEL	SECOPI	SECOPI	EMBRACO	CUBIGEL	SECOPI
Model	EHU2140GK*	MLY90LA	SC10CLX	NL9.0CL	EHU2150GK*	MLY12LA	SC12CLX
Motor	CSCR	CSCR	CSIR	CSIR	CSCR	CSCR	CSIR
Refrigerant	R290	R290	R290	R290	R290	R290	R290
Application	-40 to -5°C	-40 to -10°C	-35 to -5°C	-45 to -10°C	-40 to -5°C	-40 to -10°C	-45 to -5°C
Capacity [W] @ 50Hz	450*	459	400	464	610	569	592
Cop [W/W] @ 50Hz	1,4	1,38	1,13	1,35	1,38	1,41	1,15
Test Condition	ASHRAELBP32	ASHRAELBP32	ASHRAELBP32	ASHRAELBP32	ASHRAELBP32	ASHRAELBP32	ASHRAELBP32
Disp. [cc]	9,1	9,1	10,29	8,35	12,2	10,7	12,87
Weight [kg]	9,6	10,45	13,1	10,4	10,6	11,3	13,1
Embraco Replacement	NEU2134GK / NEU2140GK				NEU2155GK / NEK2150GK		

\*Product still under evaluation. Preliminary performance demonstrated.

# NEW EMBRACO PLATFORM: ROBUSTNESS IN A SMALLER DESIGN

# NEX

More **cooling capacity** for **food retail** and **food service** equipments



EXTENSION OF  
**NE PLATFORM**  
FROM 19 UP TO 21CC



+ 24%\*  
**COOLING CAPACITY**



UP TO 30%\*  
**LESS WEIGHT**



+ 7%\*  
**MORE EFFICIENCY**



**LOWER NOISE  
LEVEL**  
On the system



10%\*  
**LESS HEIGHT**



**ROBUSTNESS AND  
RELIABILITY**

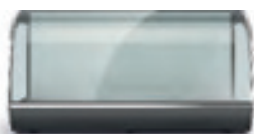
*\*Comparison with others models in the market and based on internal tests.*



## APPLICATIONS



ICE  
MACHINE



DISPLAY  
CABINET



REFRIGERATED  
ISLAND



REACH IN

### MODELS GENERAL DATA\*

MODEL	NOMINAL VOLTAGE [V] / FREQUENCY [Hz]	MOTOR	DISP [cc]	REFR. GAS	ENV. RANGE [°C]	50Hz		60Hz		TEST CONDITION
						COOLING CAP [W]	COP [W/W]	COOLING CAP [W]	COP [W/W]	
NEX4160UA	115-127V 60Hz	CSCR	14.4	R290	-40 to 0°C	-	-	675	1.36	ARILBP
NEX4170UA	115-127V 60Hz	CSCR	16.8	R290	-40 to 0°C	-	-	804	1.36	ARILBP
NEX4180UA	115-127V 60Hz	CSCR	18.7	R290	-40 to 0°C	-	-	895	1.36	ARILBP
NEX2180UA	220-240V 50Hz	CSCR	18.7	R290	-40 to -10°C	935	1.62	-	-	ASHRAELBP32
NEX6222UA	220-240V 50Hz	CSCR	18.7	R290	-20 to +10°C	1317	2.20	-	-	EN12900MBP
NEX6225UA	220-240V 50Hz	CSCR	21.0	R290	-20 to +10°C	1572	2.10	-	-	EN12900MBP
NEU2168GKA	220-240V 50Hz	CSCR	13.5	R404A	-40 to -10°C	758	1.35	-	-	ASHRAELBP32
NEU2180GKA	220-240V 50Hz	CSCR	15.7	R404A	-40 to -10°C	935	1.35	-	-	ASHRAELBP32
NEU2186GKA	220-240V 50Hz	CSCR	16.8	R404A	-40 to -10°C	1000	1.35	-	-	ASHRAELBP32
NEX6221UA	115-127V 60Hz	CSCR	16.8	R290	-20 to +10°C	-	-	1614	1.99	ARIMBP
NEU2168UA	220-240V 50Hz	CSIR	15.7	R290	-40 to -10°C	788	1.53	-	-	ASHRAELBP32
NEU2180UA	220-240V 50Hz	CSIR	18.7	R290	-40 to -10°C	935	1.53	-	-	ASHRAELBP32
NEU6217UA	220-240V 50Hz	CSIR	14.3	R290	-20 to +10°C	1060	1.90	-	-	EN12900MBP
NEX6217UA (TBC)	220-240V 50Hz	CSIR	14.3	R290	-20 to +10°C	1060	2.10	-	-	EN12900MBP
NEX2190UA	220-240V 50Hz	CSCR	21.0	R290	-40 to -10°C	1040	1.60	-	-	ASHRAELBP32

### CROSS REFERENCE • Voltage 115 - 117 V / Frequency 60 Hz\*

COMPANY	EMBRACO	SECOP	EMBRACO	SECOP	EMBRACO	SECOP	EMBRACO	SECOP
Model	NEX4160UA	SCE15CNLX	NEX4170UA	SCE18CNLX	NEX4180UA	SCE21CNLX	NEX6221UA	SCE18CNX
Motor	CSCR	CSCR	CSCR	CSCR	CSCR	CSCR	CSCR	CSCR
Refrigerant	R290	R290	R290	R290	R290	R290	R290	R290
Application	-40 to 0°C	-40 to -5°C	-40 to 0°C	-40 to -5°C	-40 to 0°C	-40 to -5°C	-20 to +10°C	-25 to +7.2°C
Capacity [W] @ 60Hz	675	664	804	786	895	917	1614	1697
Cop [W/W] @60Hz	1,36	1,33	1,36	1,37	1,36	1,35	1,99	2,12
Test Condition	ARI540LBP	ARI540LBP	ARI540LBP	ARI540LBP	ARI540LBP	ARI540LBP	ARI540MBP	ARI540MBP
Disp. [cc]	14,4	15,3	16,8	17,69	18,7	20,95	16,8	17,68
Weight [kg]	11,6	14,2	11,6	14,2	11,6	14,2	11,6	14,2
Embraco Replacement	NEU2155U / NT2160U / NEK2160U		NEU2168U / NT2170U		NEU2178U / NT2180U		NT62220UV / NT6222UV	

### CROSS REFERENCE • Voltage 220 - 240 V / Frequency 50 Hz\*

COMPANY	EMBRACO	SECOP	EMBRACO	SECOP	EMBRACO	SECOP
Model	NEX2180UA	SCE21CNLX	NEX6222UA	SCE18CNX	NEX6225UA	SCE21MNX
Motor	CSCR	CSCR	CSCR	CSCR	CSCR	CSCR
Refrigerant	R290	R290	R290	R290	R290	R290
Application	-40 to -10°C	-40 to -5°C	-20 to +10°C	-40 to +7.2°C	-20 to +10°C	-25 to +7.2°C
Capacity [W] @ 50Hz	935	954	1317	1348	1572	1572
Cop [W/W] @50Hz	1,62	1,61	2,2	2,26	2,1	2,17
Test Condition	ASHRAELBP32	ASHRAELBP32	EN12900MBP	EN12900MBP	EN12900MBP	EN12900MBP
Disp. [cc]	18,7	20,95	18,7	17,69	21	20,95
Weight [kg]	11,6	14,2	11,6	14,2	11,6	14,2
Embraco Replacement	NEU2178U / NT2180U / NT2180GK		NT6222U / NT6222GK		NT6224U / NT6224GK	

\*Preliminary performance demonstrated. Subject to change.

ROBUSTNESS, COMPACTNESS AND EFFICIENCY

# NJX & NTX line-up

Up to 50% extended cooling capacity for commercial applications

NJX



NTX



**ENHANCED EFFICIENCY**



**EXTENDED COOLING CAPACITY**

up to 50% increase from standard NT and NJ



**LOWER NOISE LEVEL**

Compared to 2 cylinder compressors



**ROBUSTNESS & RELIABILITY**

Optimized engine and new valving system



**PED APPROVALS**

NTX approved for CAT.1 and NJX for CAT.2



**LESS WEIGHT**

15 kg lower than 2 cylinder solution



**COMPACTNESS**

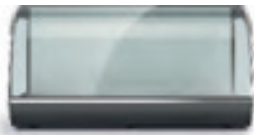
20% less height than 2 cylinder option

# NJX & NTX

## APPLICATIONS



ICE MACHINE



DISPLAY CABINET



REFRIGERATED ISLAND



REACH IN

## MODELS GENERAL DATA

MODEL	VOLTAGE / FREQUENCY	ELECTRICAL MOTOR	DISPL. [cc]	HP	APPL.	REFR.	COOLING CAP. [W]	COP [W/W]	TEST COND.
NTX2211U	220-240V 50Hz	CSCR	27,8	1 1/4	LBP	R290	747	1,25	EN12900LBP
NTX2213U***	220-240V 50Hz	CSCR	33,4	1 1/2	LBP	R290	919	1,27	EN12900LBP
NTX6233U	220-240V 50Hz	CSCR	27,8	1 1/4	MHBP	R290	2083	2,04	EN12900MBP
NTX6238U***	220-240V 50Hz	CSCR	33,4	1 1/2	MHBP	R290	2475	1,99	EN12900MBP
NJX2215US	400V 50Hz / 440V 60Hz	3 Phase	38	2	LBP	R290	987	1,23	EN12900LBP
NJX6244US	400V 50Hz / 440V 60Hz	3 Phase	38	2	M/HBP	R290	2767	2,06	EN12900MBP
NJX2215U	220-240V 50Hz	1 Phase	38	2	LBP	R290	935	1,23	EN12900LBP
NJX6244U	220-240V 50Hz	1 Phase	38	2	M/HBP	R290	2744	1,99	EN12900MBP
NJX2219GS	400V 50Hz / 440V 60Hz	3 Phase	38	2 1/4	LBP	R404A	1181	1,2	EN12900LBP
						R452A**	1064	1,12	
						R404A	3015	1,97	
NJX6250GS	400V 50Hz / 440V 60Hz	3 Phase	38	2 1/4	M/HBP	R452A**	3198	1,86	EN12900MBP
						R449A	3023	1,97	
						R134a (R513a)	1894	1,96	
NJX6232ZX *	400V 50Hz / 440V 60Hz	3 Phase	38	2	M/HBP	R134a (R513a)	1894	1,96	EN12900MBP
NJX6250GK	208-230V 60Hz	1 phase	38	2	M/HBP	R404A	6751	2,12	ASHRAEHP46 (7,2°C / 54,4°C)
						R448A	6643	2,32	
						R449A	6581	2,12	

All models are HST with cooling type FAN / \* Project under development. Preliminary performances. Samples: Ready / SOP: July 2020

\*\*Performance checkpoint data R452A measured in MID POINT / \*\*\*Project under development. Preliminary performances (Samples: May 2020 / SOP: Oct'20)

## CROSS REFERENCE

NJX	2 HP		2 HP		2 1/4 HP		2 1/4 HP	
Company	Embraco	Tecumseh	Embraco	Tecumseh	Embraco	Tecumseh	Embraco	Tecumseh
Model	NJX2215U	CAJ2464U	NJX6232ZX*	TAJ4511Y	NJX2219GS	TFH2480Z	NJX6250GS	TFH4524Z
Voltage [V] / Freq. [Hz]	220-240V 50Hz	220-240V 50Hz	400V 50Hz / 440V 60Hz	400V 50Hz / 440V 60Hz	400V 50Hz / 440V 60Hz	400V 50Hz / 440V 60Hz	400V 50Hz / 440V 60Hz	400V 50Hz / 440V 60Hz
Motor	1 Phase	1 Phase	3 Phase	3 Phase	3 Phase	3 Phase	3 Phase	3 Phase
Refrigerant	R290	R290	R134a / R513a	R134a / R513a	R404A	R404A	R404A	R404A
Application	LBP	LBP	HBP	HBP	LBP	LBP	HBP	HBP
Capacity [W] @ 50Hz	935	826	3371	2879	1181	874	5536	5679
Cop [W/W] @ 50Hz	1,23	1,15	2,56	2,79	1,2	0,79	2,77	2,54
Capacity [W] @ 60Hz	-	-	-	3296	1397	1005	6329	-
Cop [W/W] @ 60Hz	-	-	-	2,58	1,13	0,76	2,5	-
Displ. [cc]	38	34,45	38	32,7	38	74,25	38	43,5
Weight [kg]	23,8	21	21,7	21	21,7	33	21,7	35

NTX	1 1/4 HP		1 1/4 HP		1 1/2 HP		
Company	Embraco	Tecumseh	Embraco	Tecumseh	Embraco	Tecumseh	Tecumseh
Model	NTX2211U	CAJ2446U	NTX6233U	CAJ4517Z	NTX2213U*	CAJ2464U	CAJ2464Z
Voltage [V] / Freq. [Hz]	220-240V 50Hz	220-240V 50Hz	220-240V 50Hz	208-220V 50Hz	220-240V 50Hz	220-240V 50Hz	208-220V 50Hz
Refrigerant	R290	R290	R290	R404A	R290	R290	R404A
Application	LBP	LBP	HBP	HBP	LBP	LBP	LBP
Capacity [W]	747	585	3309	3318	919	826	805
Cop [W/W]	1,25	1,11	2,56	2,23	1,27	1,15	0,97
Displ. [cc]	27,8	26,15	27,8	25,9	33,4	34,45	34,45
Weight [kg]	17,8	21	17,8	21	-	21	23

\* All motors in models are CSCR

Test condition: EN12900LBP for the checkpoint temperature of application (EN12900LBP / EN12900MBP / EN12900HBP)

# COMPRESSOR FAMILY SCROLL

Complete product range for **supermarkets** and **professional** applications.



**HIGH ENERGY  
EFFICIENCY**



**COMPACTNESS**



**OPERATION COST  
REDUCTION**



**SILENT  
OPERATION**



**EXTENDED  
RANGE  
OF POWER**



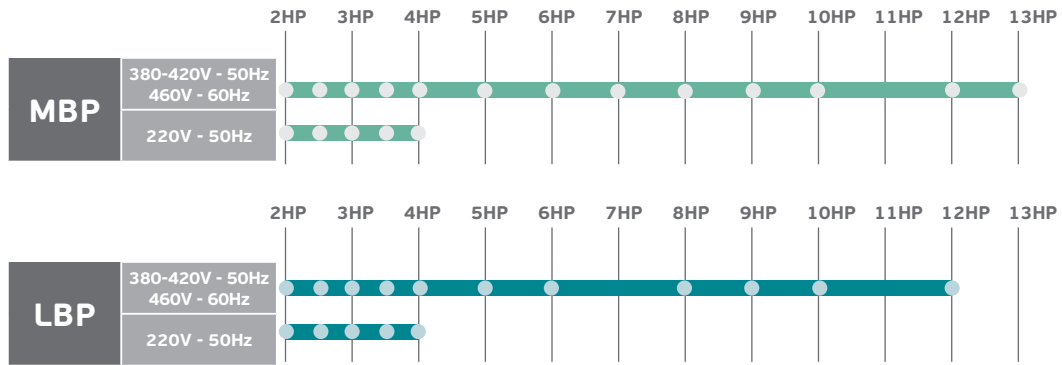
**GUARANTEED  
RELIABILITY**



**QUALIFIED WITH  
R449A - R452A  
R513A**

# SCROLL

## COMMERCIAL REFRIGERATION RANGE FROM 2HP TO 13HP



## MODELS GENERAL DATA

### 3 ~ 380 - 420V 50Hz / 460V 60Hz

MBP

MODEL	HP	SWEPT VOLUME cm <sup>3</sup> /REV	DISPLACEMENT m <sup>3</sup> /h	COOLING CAPACITY (W)	COP (W/W)
SE6015GS-O	2	33.3	5.8	3565	2.05
SE6018GS-O	2.5	42	7.3	4256	2.17
SE6021GS-O	3	46.6	8.1	4847	2.23
SE6026GS-O	3.5	58	10.1	6108	2.22
SE6030GS-O	4	67.8	11.8	6930	2.30
SE6036GS-O	5	83.3	14.5	8512	2.35
SE6043GS-O	6	98.3	17.1	10114	2.35
SE6053GS-O	7	115.5	20.1	12257	2.35
SE6056GS-O	8	123	21.4	12911	2.35
SE6067GS-O	9	145.4	25.3	15864	2.35
SE6078GS-O	10	167.2	29.1	17881	2.35
SE6085GS-O	12	189.1	32.9	19563	2.37
SE6089GS-O	13	197.1	34.3	20573	2.37

### 1 ~ 220V 50Hz

MODEL	HP	SWEPT VOLUME cm <sup>3</sup> /REV	DISPLACEMENT m <sup>3</sup> /h	COOLING CAPACITY (W)	COP (W/W)
SE6015GK-C	2	33.3	5.8	3565	2.02
SE6018GK-C	2.5	42	7.3	4256	2.07
SE6021GK-C	3	46.6	8.1	4847	2.11
SE6026GK-C	3.5	58	10.1	6108	2.18
SE6030GK-C	4	67.8	11.8	6930	2.26

Test conditions EN12900 Te -10°C; Tc 45°C; Rg 20°C; No subcooling; Ta 35°C

### 3 ~ 380 - 420V 50Hz / 460V 60Hz

LBP

MODEL	HP	SWEPT VOLUME cm <sup>3</sup> /REV	DISPLACEMENT m <sup>3</sup> /h	COOLING CAPACITY (W)	COP (W/W)
SE2006GS-O	2	33.3	5.8	1171	1.10
SE2008GS-O	2.5	42	7.3	1495	1.11
SE2010GS-O	3	46.6	8.1	1756	1.12
SE2012GS-O	3.5	58	10.1	2277	1.12
SE2014GS-O	4	67.8	11.8	2656	1.22
SE2017GS-O	5	83.3	14.5	3152	1.26
SE2020GS-O	6	98.3	17.1	3692	1.27
SE2023GS-O	8	123	21.4	4730	1.19
SE2028GS-O	9	145.4	25.3	5525	1.23
SE2031GS-O	10	167.2	29.1	6408	1.27
SE2039GS-O	12	189.1	32.9	7279	1.28

### 1 ~ 220V 50Hz

MODEL	HP	SWEPT VOLUME cm <sup>3</sup> /REV	DISPLACEMENT m <sup>3</sup> /h	COOLING CAPACITY (W)	COP (W/W)
SE2006GK-C	2	33.3	5.8	1171	1.09
SE2008GK-C	2.5	42	7.3	1495	1.08
SE2010GK-C	3	46.6	8.1	1756	1.09
SE2012GK-C	3.5	58	10.1	2277	1.09
SE2014GK-C	4	67.8	11.8	2656	1.20

Test conditions EN12900 Te -35°C; Tc 40°C; Rg 20°C; No subcooling; Ta 35°C

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*Nidec*

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