

MHTS-98E

May 2004

Replaces MHTS-98D, (6/03)

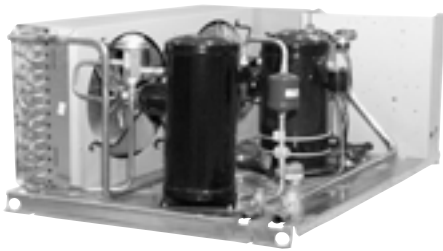
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M Series

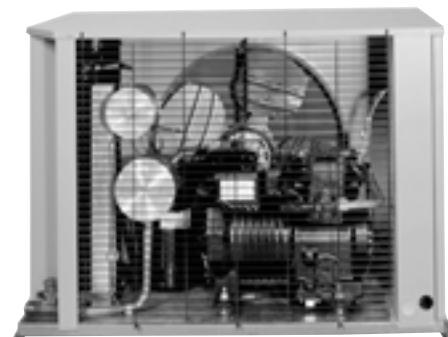
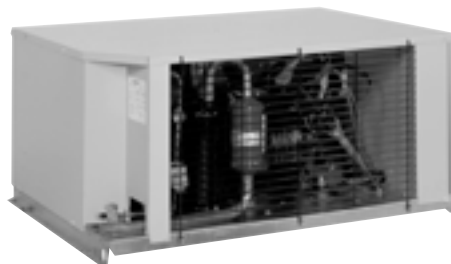
Indoor and Outdoor

Air Cooled

Condensing Units



1/2 TO 6 HP



1/2 TO 6 HP INDOOR & OUTDOOR CONDENSING UNITS

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PSC Motors are an Energy Solutions feature and are optimized to help you save money by increasing energy efficiency.

NOMENCLATURE

MO	Z	030	L	6	2	M
Model	Compressor	Equiv. HP	Temp.	Refrigerant	Voltage	Identifier
MO=	H = Hermetic	005 = 1/2 HP	H = High	2 = R-22	2 = 208/230/1/60	C = Outdoor
OEM	S = Semi-herm.	008 = 3/4 HP	L = Low	7 = R-22	3 = 208/230/3/60	CF = Outdoor Stock
	Z = Scroll	010, 011 = 1 HP	M = Medium	6 = R-404A	4 = 460/3/60	N = Indoor
		01* = 1-1/2 HP	D = High		9 = 230/1/60	S = Beacon II™
		02* = 2 HP	X = Extended Medium			Microprocessor
		03* = 3 HP				CFT = Medium
		04* = 4 HP				Temp. Stock
		05* = 5 HP				with Timer
		060 = 6 HP				

1/2 TO 6 HP INDOOR & OUTDOOR CONDENSING UNITS

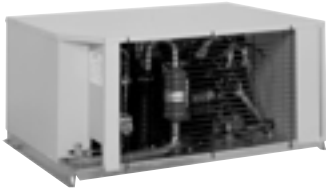
FEATURES

Oversized aluminum fin, copper tube condenser that works in high ambients.

Motors rated for 50 and 60 cycle application.

Fans specifically matched with motor and coil to attain maximum air movement and cooling.

Prepainted G90 galvanized cabinets for superior strength and corrosion protection including hoods for outdoor units only.



Heavy duty steel raised base with 1 1/2" legs.

Suction service valves for hermetic and scroll compressors located outside the cabinet for quick installations. Semi-hermetic compressor models have a suction valve on the compressor and only an access fitting on suction line entering the unit. A receiver with fusible plug, liquid shutoff valve and charging port is also standard.

Discharge service valves on all compressors including hermetics.

Wide variety of compressors including: Copeland hermetic, semi-hermetic, new Glacier Scroll and the popular Copeland low temperature compressors. R-22 and R-404A available for both medium and low temperature applications.

Spring mounted compressors with vibration eliminators on all 1/2 to 6 HP semi-hermetic compressors.

Large electrical panel for ease of access.



Prefabricated wiring harnesses for tight connections and to simplify service.

Encapsulated, auto-reset, high and low pressure controls to eliminate leaks (standard on all high and medium temperature models, adjustable low pressure control standard on low temperature models).

All units completely leak tested in a helium environment and run tested. Each unit will have a copy of the run data shipped inside the electrical panel.

UL listed and UL listed for Canada.



Large availability of stocked units with liquid line drier assemblies and defrost timers/kits for low temperature models.

1/2 TO 6 HP INDOOR & OUTDOOR CONDENSING UNITS

OPTIONS

Electrical options:	Outdoor	Indoor	Stock
Dual pressure control (not available on Beacon II™)	Option	Option	NA
Adjustable low pressure control for medium temp. comp.	Option	Option	NA
Crankcase heater	Standard	NA	Standard
Fused disconnect	Option	Shipped loose	NA
Phase loss / low voltage monitor	Option	Option	NA
Fixed fan cycling (2 fan units)	Option	Option	NA
Variable speed fan motor using the Hoffman controller (29 3/4" high cabinet) for medium temp. only	Option	Option	NA
Air or electric defrost timer only	Option	Option	1/2-3 HP low temp.
Elec. defrost with timer & contactors (040-060 models only)	Option	Option	4-6 HP low temp.
Beacon control kits	Option	Option	NA
Mechanical options:	Outdoor	Indoor	Stock
Head pressure control flooding valve	Standard	Option	Standard
Liquid line drier, sight glass and shutoff valve	Option	Option	Standard
Suction line filter and shut off valve	Option	Option	NA
Suction accumulator (standard on X6 models)	Option	Option	NA
Oil separator with discharge line check valve (29 3/4" high cabinet)	Option	Option	NA
Liquid line solenoid valve and pumpdown switch	Option	Option	NA
Replaceable core liquid line filter (29 3/4" high cabinet)	Option	Option	NA
Replaceable core suction line filter (29 3/4" high cabinet)	Option	Option	NA
Protective coil coatings: Polyester coated fins, copper fins, or epoxy coated coils	Option	Option	NA
Precharged refrigerant with line sets and wire harnesses	Option	Option	NA
Oversize receiver (29 3/4" high cabinet)	Option	Option	NA
Low ambient kit with heated and insulated receiver, TD relay	Option	NA	NA
12" Extended legs for snowbelt operation	Shipped loose	Shipped loose	Shipped loose

1/2 TO 6 HP INDOOR & OUTDOOR CONDENSING UNITS

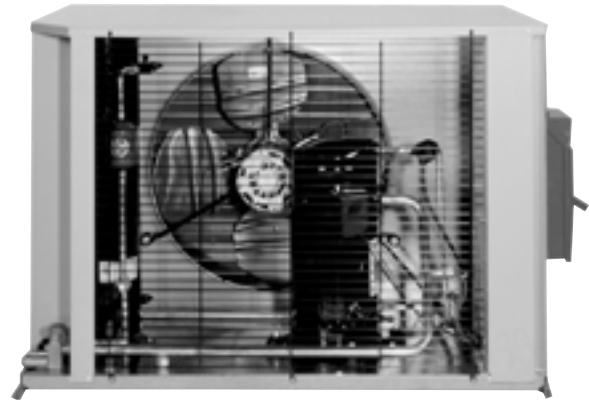
BENEFITS

OUTDOOR SCROLL CONDENSING UNITS

Oversized condenser allows units to operate in high ambients.

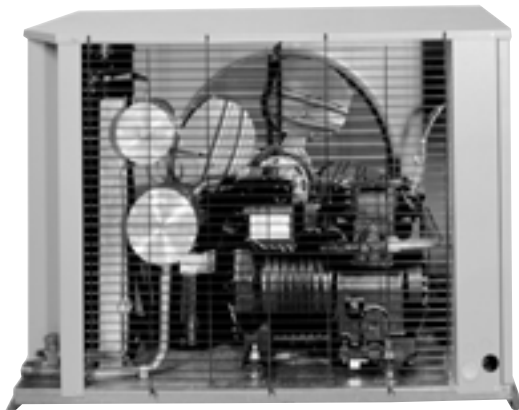
Piping is laid out to minimize stress and vibration.

Complete line of compressors including Copeland's Glacier refrigeration Scrolls.



Typical Outdoor Scroll Unit with optional fused disconnect switch

OUTDOOR SEMI-HERMETIC LOW TEMPERATURE CONDENSING UNITS



Typical Outdoor Semi-hermetic Unit with optional replaceable core liquid filter drier and replaceable core suction filter

Lots of room for options, including the accessible replaceable core liquid line filter drier and suction line replaceable core filters on largest cabinet model.

Sight glass is easily viewable from the front.

Easy to verify leak free unit by checking Schrader valve outside the unit for nitrogen holding charge.

Variable speed motor option on the 29 3/4" high cabinets using the Hoffman controller instead of the head pressure control valve. This works down to 20°F. ambient on medium temperature units.

Access valve on the outside of the cabinet for easy connections on all hermetic and scroll compressors.

Spring mounted semi-hermetic compressor with discharge and suction vibration eliminators.

Fan guards and wiring conduit.

Encapsulated, auto-reset, fixed high and fixed low pressure controls to eliminate leaks are standard on all medium and high temperature models. Low temperature models come standard with fixed high pressure and adjustable low pressure controls.

Easy access to the large electrical panel out of the air flow.

Prefabricated wire harnesses with color coded and labeled wires for easy identification.

INDOOR CONDENSING UNITS



Typical Indoor Unit with optional throwaway suction filter

1/2 TO 6 HP INDOOR & OUTDOOR CONDENSING UNITS

BENEFITS

2 HP OUTDOOR HERMETIC CONDENSING UNITS

WITH HOOD REMOVED



Typical Outdoor Unit with hood removed

Shut off valve in the discharge line of the hermetic compressor for easier changes.

Unit stays on line if the hood is removed for servicing.

Liquid and suction filters available as options.

Raised base construction with 1 1/2" legs.

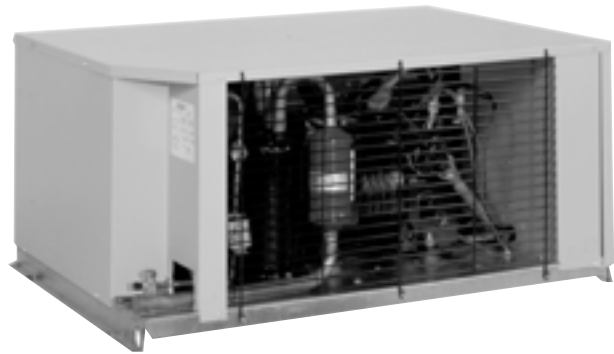
OUTDOOR CONDENSING UNITS, READY TO INSTALL!

Each unit is put into a vacuum and subjected to a rigorous leak test in a helium environment. Several times more effective than using a handheld leak detector!

Electrical circuits are completely checked for continuity.

Each unit is run tested and allowed to cycle off on the high and low pressure control.

A run test certificate is shipped with each unit verifying operation.



Typical Outdoor Semi-hermetic Unit with optional throwaway suction filter



The Beacon II™ Refrigeration System



The Beacon II™ Refrigeration System is a preassembled, factory installed refrigeration system featuring an integrated microcomputer-based electronic control board.

The Beacon II™ Refrigeration System replaces the expansion valve, solenoid valve, room thermostat, defrost control and timer. It comes factory preset thereby eliminating all of the expensive and time consuming fine tuning and adjustments necessary for a good system installation.

For additional information, contact your Sales Representative.

1/2 TO 6 HP INDOOR & OUTDOOR CONDENSING UNITS

Performance Data - Med. & High Temp. Models - Hermetic Comp. - R-22

R-22 Model	Compressor	Capacity BTU/HR @ 90°F. Ambient Suction Temperature °F.						
		40°F.	30°F.	25°F.	20°F.	15°F.	10°F.	0°F.
MOH005D7	ART82C1	8380	6900	6230	5610	5060	4570	3830
MOH008D7	RS64C2	-	9860	8770	7720	6730	5740	4250
MOH010D7	RS70C1	13640	11180	9980	8800	7690	6560	4590
MOH015D7	CR18KQ	-	15250	13550	11910	10350	8800	5930
MOH020D7	CR24KQ	24360	19930	17760	15650	13650	11640	8560
MOH029M2	CR37KQ	-	28090	25120	22220	19410	16720	11880
MOH030D7	CR37KQ	41190	33300	29500	25830	22330	19040	13210
MOH040D7	CR53KQ	57430	46140	40790	35620	30740	26150	18100
MOH050D7	CRN-0500	64770	52240	46250	40490	35010	29860	20740

R-22 Model	Compressor	Capacity BTU/HR @ 95°F. Ambient Suction Temperature °F.						
		40°F.	30°F.	25°F.	20°F.	15°F.	10°F.	0°F.
MOH005D7	ART82C1	8050	6610	5960	5360	4820	4350	3630
MOH008D7	RS64C2	11550	9390	8350	7350	6420	5470	4050
MOH010D7	RS70C1	12990	10650	9500	8380	7320	6250	4370
MOH015D7	CR18KQ	-	14520	12910	11340	9860	8380	5640
MOH020D7	CR24KQ	23190	18980	16910	14900	12990	11090	8150
MOH029M2	CR37KQ	-	26750	23930	21160	18480	15920	11310
MOH030D7	CR37KQ	38230	31710	28090	24610	21260	18140	12580
MOH040D7	CR53KQ	54690	43950	38840	33930	29270	24920	17240
MOH050D7	CRN-0500	61680	49760	44050	38560	33340	28440	19750

R-22 Model	Compressor	Capacity BTU/HR @ 100°F. Ambient Suction Temperature °F.						
		40°F.	30°F.	25°F.	20°F.	15°F.	10°F.	0°F.
MOH005D7	ART82C1	7710	6320	5690	5110	4590	4130	3440
MOH008D7	RS64C2	10970	8930	7940	6990	6100	5190	3850
MOH010D7	RS70C1	12340	10120	9030	7960	6950	5940	4150
MOH015D7	CR18KQ	-	13800	12260	10770	9370	7960	5360
MOH020D7	CR24KQ	22030	18030	16070	14160	12340	10540	7740
MOH029M2	CR37KQ	-	25410	22730	20100	17550	15130	10740
MOH030D7	CR37KQ	37270	30130	26690	23380	20200	17220	11950
MOH040D7	CR53KQ	51960	41760	36890	32240	27820	23670	16390
MOH050D7	CRN-0500	58600	47270	41850	36630	31680	27020	18760

R-22 Model	Compressor	Capacity BTU/HR @ 110°F. Ambient Suction Temperature °F.						
		40°F.	30°F.	25°F.	20°F.	15°F.	10°F.	0°F.
MOH005D7	ART82C1	7040	5740	5150	4600	4110	3690	3050
MOH008D7	RS64C2	9570	7680	6790	5970	5180	4480	3320
MOH010D7	RS70C1	10600	8540	7530	6560	5630	4760	3200
MOH015D7	CR18KQ	-	12360	10980	9610	8320	7090	4860
MOH020D7	CR24KQ	19770	16180	14410	12680	11000	9400	6490
MOH029M2	CR37KQ	-	22690	20190	17760	15420	13200	9290
MOH030D7	CR37KQ	33900	27120	23870	20760	17820	15080	10350
MOH040D7	CR53KQ	48390	38470	33780	29320	25120	21230	14550
MOH050D7	CRN-0500	54770	43730	38490	33470	28740	24340	16760

1/2 TO 6 HP INDOOR & OUTDOOR CONDENSING UNITS

Performance Data - Extended Temp. Models - Hermetic Comp. - R-404A

R-404A		Capacity BTU/HR @ 90°F. Ambient Suction Temperature °F.						
Model	Compressor	30°F.	25°F.	20°F.	0°F.	-10°F.	-20°F.	-25°F.
MOH005X6	RS43C2E	5890	5410	4850	3260	2130	1810	1380
MOH008X6	RS55C2E	8490	8050	7480	4260	2350	1750	1130
MOH009X6	RS64C2E	9710	9090	8310	5220	4130	3240	2400
MOH010X6	RS70C1E	10360	9660	9160	5640	4160	2970	1870
MOH015X6	CS10K6E	15940	14660	13330	7700	4900	3610	2330
MOH020X6	CS12K6E	18050	16680	15150	8940	6170	4410	2640
MOH025X6	CS14K6E	19830	18220	16770	10810	7840	6360	4470
MOH030X6	CS18K6E	31240	28630	25980	15400	10260	8110	5950
MOH032X6	CS20K6E	34200	31310	28580	16910	11960	9440	6930
MOH040X6	CS27K6E	43970	39510	35150	20560	14980	11830	8690
MOH050X6	CS33K6E	49470	45010	40420	24860	18110	14300	10500

R-404A		Capacity BTU/HR @ 95°F. Ambient Suction Temperature °F.						
Model	Compressor	30°F.	25°F.	20°F.	0°F.	-10°F.	-20°F.	-25°F.
MOH005X6	RS43C2E	5560	5100	4580	3080	2010	1710	1300
MOH008X6	RS55C2E	8010	7590	7060	4020	2220	1650	1070
MOH009X6	RS64C2E	9170	8580	7850	4920	3900	3060	2260
MOH010X6	RS70C1E	9770	9110	8640	5320	3920	2800	1760
MOH015X6	CS10K6E	15040	13830	12580	7260	4620	3410	2200
MOH020X6	CS12K6E	17030	15740	14290	8430	5820	4160	2490
MOH025X6	CS14K6E	18710	17190	15820	10200	7400	6000	4220
MOH030X6	CS18K6E	29470	27010	24510	14530	9680	7650	5610
MOH032X6	CS20K6E	32260	29540	26960	15950	11280	8910	6540
MOH040X6	CS27K6E	41480	37270	33160	19400	14130	11160	8200
MOH050X6	CS33K6E	46670	42460	38130	23450	17080	13490	9900

R-404A		Capacity BTU/HR @ 100°F. Ambient Suction Temperature °F.						
Model	Compressor	30°F.	25°F.	20°F.	0°F.	-10°F.	-20°F.	-25°F.
MOH005X6	RS43C2E	5230	4790	4310	2900	1890	1610	1220
MOH008X6	RS55C2E	7530	7130	6640	3780	2090	1550	1010
MOH009X6	RS64C2E	8620	8060	7380	4630	3660	2870	2130
MOH010X6	RS70C1E	9180	8560	8120	5000	3680	2630	1650
MOH015X6	CS10K6E	14140	13000	11830	6820	4340	3210	2070
MOH020X6	CS12K6E	16010	14800	13430	7920	5470	3910	2340
MOH025X6	CS14K6E	17590	16160	14870	9590	6960	5640	3970
MOH030X6	CS18K6E	27700	25390	23040	13660	9100	7190	5270
MOH032X6	CS20K6E	30320	27770	25340	14990	10600	8380	6150
MOH040X6	CS27K6E	38980	35030	31180	18240	13290	10500	7700
MOH050X6	CS33K6E	43860	39910	35840	22050	16050	12690	9310

R-404A		Capacity BTU/HR @ 110°F. Ambient Suction Temperature °F.						
Model	Compressor	30°F.	25°F.	20°F.	0°F.	-10°F.	-20°F.	-25°F.
MOH005X6	RS43C2E	5380	4830	4300	2480	1860	1470	1080
MOH008X6	RS55C2E	6150	5900	5520	2730	2050	1620	1190
MOH009X6	RS64C2E	6840	6300	4070	3000	2380	1750	-
MOH010X6	RS70C1E	7610	7130	6600	4080	2710	2140	1570
MOH015X6	CS10K6E	12780	11700	9920	5690	3220	2540	1870
MOH020X6	CS12K6E	14870	13540	12180	6820	4400	3480	2550
MOH025X6	CS14K6E	16280	15050	13780	8600	6170	4870	3580
MOH030X6	CS18K6E	24270	22160	20020	11590	7660	6050	4440
MOH032X6	CS20K6E	26320	24040	21690	12250	8020	6340	4650
MOH040X6	CS27K6E	35150	31240	27520	15210	11290	8920	6550
MOH050X6	CS33K6E	39870	35920	32070	18230	12840	10150	7450

1/2 TO 6 HP INDOOR & OUTDOOR CONDENSING UNITS

Performance Data - Low Temp. Models - Hermetic Comp. - R-404A

R-404A		Capacity BTUH @ 90°F. Ambient / Suction Temperature °F.					
Model	Compressor	0°F.	-5°F.	-10°F.	-20°F.	-25°F.	-30°F.
MOH011L6	CF04K6E	7484	6624	5765	4090	3293	2536
MOH014L6	CF06K6E	10610	9460	8340	6220	5250	4340
MOH019L6	CF06K6E	12100	10700	9350	6870	5570	4720
MOH025L6	CF09K6E	17940	15970	14050	10400	8700	7130
MOH031L6	CF12K6E	20793	18889	16931	12938	10952	9009

R-404A		Capacity BTUH @ 95°F. Ambient / Suction Temperature °F.					
Model	Compressor	0°F.	-5°F.	-10°F.	-20°F.	-25°F.	-30°F.
MOH011L6	CF04K6E	6930	6109	5289	3684	2919	2196
MOH014L6	CF06K6E	9980	8870	7790	5740	4810	3940
MOH019L6	CF06K6E	11370	10010	8710	6310	5070	4260
MOH025L6	CF09K6E	16870	14990	13150	9650	8040	6560
MOH031L6	CF12K6E	19598	17782	15909	12070	10152	8268

R-404A		Capacity BTUH @ 100°F. Ambient / Suction Temperature °F.					
Model	Compressor	0°F.	-5°F.	-10°F.	-20°F.	-25°F.	-30°F.
MOH011L6	CF04K6E	6379	5597	4814	3281	2549	1856
MOH014L6	CF06K6E	9360	8280	7230	5270	4370	3550
MOH019L6	CF06K6E	10650	9330	8070	5760	4580	3810
MOH025L6	CF09K6E	15810	14000	12240	8910	7390	6000
MOH031L6	CF12K6E	18410	16681	14892	11206	9354	7530

R-404A		Capacity BTUH @ 110°F. Ambient / Suction Temperature °F.					
Model	Compressor	0°F.	-5°F.	-10°F.	-20°F.	-25°F.	-30°F.
MOH011L6	CF04K6E	5288	4581	3872	2477	1809	n/a
MOH014L6	CF06K6E	8130	7110	6130	4310	3500	2770
MOH019L6	CF06K6E	9210	7970	6800	4670	3600	2930
MOH025L6	CF09K6E	13680	12050	10440	7440	6080	4850
MOH031L6	CF12K6E	16056	14500	12875	9490	7770	6061

Unit Specifications - Hermetic Compressors

Model Number	Fig. ++	Compressor	Connections (ID)		Receiver 90% Full Lbs.	Fan(s)	Dimensions			Net Wt. Lbs.	Sound Data dba [†]
			Liquid	Suction			D In.	W In.	H In.		
MOH005D7	A	ART82C1	3/8	1/2	6	1	28.25	23.75	17.25	187	66
MOH008D7	A	RS64C2	3/8	1/2	6	1	28.25	23.75	17.25	141	66
MOH010D7	A	RS70C1	3/8	5/8	6	1	28.25	23.75	17.25	136	66
MOH015D7	B	CR18KQ	3/8	5/8	10	2	28.25	37.75	17.25	189	69
MOH020D7	B	CR24KQ	3/8	7/8	10	2	28.25	37.75	17.25	193	69
MOH029M2	C	CR37KQ	1/2	7/8	16	2	28.25	37.75	19.75	214	69
MOH030D7	D	CR37KQ	1/2	7/8	22	1	30.25	42.5	29.75	281	70
MOH040D7	D	CR53KQ	1/2	1-1/8	22	1	30.25	42.5	29.75	299	70
MOH050D7	D	CRN-0500	1/2	1-1/8	22	1	30.25	42.5	29.75	310	70

MOH005X6	A	RS43C1E	3/8	1/2	5.5	1	28.25	23.75	17.25	135	66
MOH008X6	A	RS55C1E	3/8	1/2	5.5	1	28.25	23.75	17.25	135	66
MOH009X6	A	RS64C1E	3/8	5/8	5.5	1	28.25	23.75	17.25	144	66
MOH010X6	A	RS70C1E	3/8	5/8	5.5	1	28.25	23.75	17.25	138	66
MOH015X6	B	CS10K6E	3/8	5/8	9	2	28.25	37.75	17.25	193	69
MOH020X6	B	CS12K6E	3/8	7/8	9	2	28.25	37.75	17.25	203	69
MOH025X6	B	CS14K6E	3/8	7/8	9	2	28.25	37.75	17.25	208	69
MOH030X6	D	CS18K6E	1/2	7/8	20	1	30.25	42.5	29.75	290	69
MOH032X6	D	CS20K6E	1/2	7/8	20	1	30.25	42.5	29.75	275	70
MOH040X6	D	CS27K6E	1/2	1-1/8	20	1	30.25	42.5	29.75	281	70
MOH050X6	D	CS33K6E	1/2	1-1/8	20	1	30.25	42.5	29.75	313	70

MOH011L6	A	CF04K6E	3/8	5/8	5.5	1	28.25	23.75	17.25	139	66
MOH014L6	A	CF06K6E	3/8	5/8	5.5	1	28.25	23.75	17.25	170	66
MOH019L6	B	CF06K6E	3/8	5/8	9	2	28.25	37.75	17.25	200	69
MOH025L6	B	CF09K6E	3/8	7/8	9	2	28.25	37.75	17.25	222	69
MOH031L6	C	CF12K6E	1/2	7/8	14	2	28.25	37.75	19.75	223	69

++ = See page 23 for details † = Estimated sound pressure values are 10 feet from the unit. For estimating sound pressure from the unit at different distances, deduct the following from the unit values: 20 feet, deduct 6 dba..... for 40 feet, deduct 12 dba..... for 80 feet, deduct 18 dba. This data is typical of "free field" conditions for horizontal air cooled condensing units at the outlet of the discharge air. The actual sound measurements may vary depending on the condensing unit installation. Factors such as reflecting walls, background noise and mounting conditions may have a significant influence on this data.

1/2 TO 6 HP INDOOR & OUTDOOR CONDENSING UNITS

Electrical Data - Hermetic Compressors

Model Number	Part Number	Power Supply			Compressor		Fan Motor			MCA		MOPD		Evap. Fan Amps	Defrost Heater Amps
		Volts	Ph	Hz†	RLA	LRA	Qty.	HP	FLA	Air	Elec.	Air	Elec.		
MOH005D72	ART82C1-CAV	208-230	1	60	5.9	30	1	1/15	0.5	15	20	15	20	8	15
MOH008D72	RS64C2-CAV	208-230	1	60	6.9	37	1	1/15	0.5	15	20	15	20	8	15
MOH010D72	RS70C1-PFV	208-230	1	60	6.3	34.2	1	1/15	0.5	15	20	15	20	7	15
MOH010D73	RS70C1-TFC	208-230	3	60	4.2	31	1	1/15	0.5	15	20	15	20	8.6	15
MOH015D72	CR18KQ-PFV	208-230	1	60	8.1	41	2	1/15	1	15	24	15	25	6	19
MOH015D73	CR18KQ-TF5	208-230	3	60	4.9	40	2	1/15	1	15	24	15	20	7	19
MOH015D74	CR18KQ-TFD	460	3	60	2.8	23	2	1/15	1	15	20	15	20	^	^
MOH020D72	CR24KQ-PFV	208-230	1	60	12.2	70.5	2	1/15	1	20	29	25	30	6	23
MOH020D73	CR24KQ-TF5	208-230	3	60	6.7	40	2	1/15	1	15	24	15	25	9	19
MOH020D74	CR24KQ-TFD	460	3	60	3.6	28	2	1/15	1	15	20	15	20	^	^
MOH029M22	CR37KQ-PFV	208-230	1	60	16.7	100.3	2	1/15	1	21.8	38	35	50	12	30
MOH029M23	CR37KQ-TF5	208-230	3	60	9.9	85	2	1/15	1	15	38	20	40	12	30
MOH029M24	CR37KQ-TFD	460	3	60	5.0	39	2	1/15	1	15	15	15	25	^	^
MOH030D72	CR37KQ-PFV	208-230	1	60	16.7	100.3	1	1/3	3.5	24.3	38	40	50	12	30
MOH030D73	CR37KQ-TF5	208-230	3	60	9.9	85	1	1/3	3.5	20	38	25	40	12	30
MOH030D74	CR37KQ-TFD	460	3	60	5.0	39	1	1/3	1.9	15	24	15	25	^	^
MOH040D72	CR53KQ-PFV	208-230	1	60	26.0	140	1	1/3	3.5	36.0	48.0	50	60	12	35
MOH040D73	CR53KQ-TF5	208-230	3	60	16.3	107	1	1/3	3.5	23.9	38	40	50	12	30
MOH040D74	CR53KQ-TFD	460	3	60	8.1	55	1	1/3	1.9	15	29	15	30	11	23
MOH050D72	CRN5-0500-PFV	208-230	1	60	30.8	142.0	1	1/3	3.5	42	59	50	60	12	47
MOH050D73	CRN5-0500-TF5	208-230	3	60	19.2	130.0	1	1/3	3.5	28	40	45	50	12	30
MOH050D74	CRN5-0500-TFD	460	3	60	8.7	65.0	1	1/3	1.9	15	29	20	30	10	23

MOH005X62	RS43C2E-CAV	208-230	1	60	4.8	24.1	1	1/15	0.5	15	20	15	20	8	15
MOH008X62	RS55C2E-CAV	208-230	1	60	5.4	40	1	1/15	0.5	15	20	15	20	8	15
MOH009X62	RS64C2E-CAV	208-230	1	60	6.9	37	1	1/15	0.5	15	20	15	20	7	15
MOH010X62	RS70C1E-PFV	208-230	1	60	6.3	34.2	1	1/15	0.5	15	20	15	20	7	15
MOH010X63	RS70C1E-TFC	208-230	3	60	4.2	31	1	1/15	0.5	15	20	15	20	8.6	15
MOH015X62	CS10K6E-PFV	208-230	1	60	9.8	56	2	1/15	1	15	24	20	25	6	19
MOH015X63	CS10K6E-TF5	208-230	3	60	6.7	51	2	1/15	1	15	20	15	20	7	15
MOH020X62	CS12K6E-PFV	208-230	1	60	9.8	56	2	1/15	1	15	24	20	25	6	19
MOH020X63	CS12K6E-TF5	208-230	3	60	6.7	51	2	1/15	1	15	24	15	25	9	19
MOH025X62	CS14K6E-PFV	208-230	1	60	11.2	61	2	1/15	1	15	29	25	30	6	23
MOH025X63	CS14K6E-TF5	208-230	3	60	8.2	55	2	1/15	1	15	24	15	25	9	19
MOH025X64	CS14K6E-TFD	460	3	60	4.2	28	2	1/15	1	15	20	15	20	^	^
MOH030X62	CS18K6E-PFV	208-230	1	60	14.4	82.0	1	1/3	3.5	21	38	35	45	12	30
MOH030X63	CS18K6E-TF5	208-230	3	60	9.4	65.5	1	1/3	3.5	15	29	20	30	7	23
MOH030X64	CS18K6E-TFD	460	3	60	3.9	33.0	1	1/3	1.9	15	24	15	25	^	^
MOH032X62	CS20K6E-PFV	208-230	1	60	16.7	96.0	1	1/3	3.5	24	38	40	50	12	30
MOH032X63	CS20K6E-TF5	208-230	3	60	10.3	75.0	1	1/3	3.5	20	29	25	30	7	23
MOH032X64	CS20K6E-TFD	460	3	60	4.6	40.0	1	1/3	1.9	15	24	15	25	^	^
MOH040X62	CS27K6E-PFV	208-230	1	60	21.5	121	1	1/3	3.5	30.3	44	50	60	12	35
MOH040X63	CS27K6E-TF5	208-230	3	60	13.7	105	1	1/3	3.5	20.7	38	30	45	12	30
MOH040X64	CS27K6E-TFD	460	3	60	7.6	52	1	1/3	1.9	15	29	15	30	11	23
MOH050X62	CS33K6E-PFV	208-230	1	60	27.6	125.0	1	1/3	3.5	38.0	59	50	60	12	47
MOH050X63	CS33K6E-TF5	208-230	3	60	16.8	102	1	1/3	3.5	24.5	38	40	50	12	30
MOH050X64	CS33K6E-TFD	460	3	60	8.8	48	1	1/3	1.9	15	29	20	30	10	23

MOH011L62	CF04K6E-PFV	208-230	1	60	8.6	59.2	1	1/15	0.5	15.0	20.0	15	25	7	15
MOH011L63	CF04K6E-TF5	200-230	3	60	5.7	52.0	1	1/15	0.5	15.0	20.0	15	20	8	15
MOH014L62	CF06K6E-PFV	208-230	1	60	10.3	59.2	1	1/15	0.5	15.0	20.0	20	25	4	15
MOH014L63	CF06K6E-TF5	200-230	3	60	6.3	52.0	1	1/15	0.5	15.0	24.0	15	25	9	19
MOH019L62	CF06K6E-PFV	208-230	1	60	10.3	59.2	2	1/15	1	15.0	24.0	20	30	6	19
MOH019L63	CF06K6E-TF5	208-230	3	60	6.3	52.0	2	1/15	1	15.0	24.0	15	25	9	19
MOH025L62	CF09K6E-PFV	208-230	1	60	15	87.0	2	1/15	1	20.0	29.0	30	40	6	23
MOH025L63	CF09K6E-TF5	200-230	3	60	9.2	72.2	2	1/15	1	15.0	21	20	25	7	15
MOH031L62	CF12K6E-PFV	208-230	1	60	17	105.0	2	1/15	1	22.3	37.5	35	50	12	30
MOH031L63	CF12K6E-TF5	200-230	3	60	10.7	85.0	2	1/15	1	15.0	28.8	25	30	7	23
MOH031L64	CF12K6E-TFD	460	3	60	5.3	42.0	2	1/15	1	15.0	23.8	15	25	^	^

Per UL and NEC, RLA values have been calculated by dividing the Maximum Continuous Current (MCC) by 1.56.

^ Power supplied by customer.

† Consult factory for 50 HZ applications.

1/2 TO 6 HP INDOOR & OUTDOOR CONDENSING UNITS

Performance Data - Medium Temp. Models - Scroll Compressors - R-404A

R-404A		Capacity BTU/HR @ 90°F. Ambient Suction Temperature °F.						
Model	Compressor	35°F.	30°F.	25°F.	20°F.	10°F.	0°F.	-5°F.
MOZ020M6	ZS15K4E	22630	21160	19690	18210	15340	12640	11390
MOZ025M6	ZS19K4E	26730	25070	23390	21700	18380	15230	13750
MOZ030M6	ZS21K4E	32760	30580	28360	26170	21900	17950	16140
MOZ035M6	ZS26K4E	39310	36730	34130	31560	26540	21850	19690
MOZ045M6	ZS30K4E	46490	43050	39760	36560	30480	24890	22310
MOZ055M6	ZS38K4E	53990	50410	46970	43530	36770	30380	27400
MOZ060M6	ZS45K4E	61960	58120	54430	50680	43160	35890	32490

R-404A		Capacity BTU/HR @ 95°F. Ambient Suction Temperature °F.						
Model	Compressor	35°F.	30°F.	25°F.	20°F.	10°F.	0°F.	-5°F.
MOZ020M6	ZS15K4E	21760	20350	18930	17510	14750	12150	10950
MOZ025M6	ZS19K4E	25700	24110	22490	20870	17670	14640	13000
MOZ030M6	ZS21K4E	31500	29400	27270	25160	21060	17260	15520
MOZ035M6	ZS26K4E	37800	35320	32820	30350	25520	21010	18930
MOZ045M6	ZS30K4E	44700	41390	38230	35150	29310	23930	21450
MOZ055M6	ZS38K4E	51910	48470	45160	41860	35360	29210	26350
MOZ060M6	ZS45K4E	59580	55880	52340	48730	41500	34510	31240

R-404A		Capacity BTU/HR @ 100°F. Ambient Suction Temperature °F.						
Model	Compressor	35°F.	30°F.	25°F.	20°F.	10°F.	0°F.	-5°F.
MOZ020M6	ZS15K4E	20890	19540	18170	16810	14160	11660	10510
MOZ025M6	ZS19K4E	24670	23150	21590	20040	16960	14050	12690
MOZ030M6	ZS21K4E	30240	28220	26180	24150	20220	16570	14900
MOZ035M6	ZS26K4E	36290	33910	31510	29140	24500	20170	18170
MOZ045M6	ZS30K4E	42910	39730	36700	33740	28140	22970	20590
MOZ055M6	ZS38K4E	49830	46530	43350	40190	33950	28040	25300
MOZ060M6	ZS45K4E	57200	53640	50250	46780	39840	33130	29990

R-404A		Capacity BTU/HR @ 110°F. Ambient Suction Temperature °F.						
Model	Compressor	35°F.	30°F.	25°F.	20°F.	10°F.	0°F.	-5°F.
MOZ020M6	ZS15K4E	19150	17910	16660	15410	12980	10690	9640
MOZ025M6	ZS19K4E	22620	21220	19760	18370	15550	14190	11630
MOZ030M6	ZS21K4E	27720	25870	24000	22140	18530	15190	13660
MOZ035M6	ZS26K4E	33260	31080	28880	26710	22460	18490	16660
MOZ045M6	ZS30K4E	39340	36420	33640	30930	25790	21060	18880
MOZ055M6	ZS38K4E	45680	42650	39740	36840	31120	25700	23190
MOZ060M6	ZS45K4E	52430	49170	46060	42880	36520	30370	27490



PSC Motors are an Energy Solutions feature and are optimized to help you save money by increasing energy efficiency.

1/2 TO 6 HP INDOOR & OUTDOOR CONDENSING UNITS

Performance Data -Low Temperature Models - Scroll Compressors - R-404A

R-404A		Capacity BTU/HR @ 90°F. Ambient Suction Temperature °F.						
Model	Compressor	0°F.	-10°F.	-15°F.	-20°F.	-25°F.	-30°F.	-40°F.
MOZ020L6	ZF06K4E	11970	9920	8940	8010	7130	6310	4900
MOZ025L6	ZF08K4E	14880	12320	11120	9960	8890	7900	6230
MOZ030L6	ZF09K4E	16540	13730	12400	11130	9930	8840	6980
MOZ035L6	ZF11K4E	19800	16490	14910	13420	12000	10710	8530
MOZ045L6	ZF13K4E	25950	21230	19020	16940	14990	13170	10070
MOZ055L6	ZF15K4E	31030	25640	23070	20650	18390	16280	12740
MOZ060L6	ZF18K4E	36360	30140	27160	24330	21680	19240	15100

R-404A		Capacity BTU/HR @ 95°F. Ambient Suction Temperature °F.						
Model	Compressor	0°F.	-10°F.	-15°F.	-20°F.	-25°F.	-30°F.	-40°F.
MOZ020L6	ZF06K4E	11510	9540	8600	7700	6860	6070	4710
MOZ025L6	ZF08K4E	14310	11850	10690	9580	8550	7600	5990
MOZ030L6	ZF09K4E	15900	13200	11920	10700	9550	8500	6710
MOZ035L6	ZF11K4E	19040	15860	14340	12900	11540	10300	8200
MOZ045L6	ZF13K4E	24950	20410	18290	16290	14410	12670	9680
MOZ055L6	ZF15K4E	29840	24650	22190	19860	17670	15660	12250
MOZ060L6	ZF18K4E	34960	28970	26120	23390	20850	18500	14520

R-404A		Capacity BTU/HR @ 100°F. Ambient Suction Temperature °F.						
Model	Compressor	0°F.	-10°F.	-15°F.	-20°F.	-25°F.	-30°F.	-40°F.
MOZ020L6	ZF06K4E	11050	9160	8260	7390	6590	5830	4520
MOZ025L6	ZF08K4E	13740	11380	10260	9200	8210	7300	5750
MOZ030L6	ZF09K4E	15260	12670	11440	10270	9170	8160	6440
MOZ035L6	ZF11K4E	18280	15230	13770	12380	11080	9890	7870
MOZ045L6	ZF13K4E	23950	19600	17560	15650	13830	12160	9290
MOZ055L6	ZF15K4E	28640	23660	21300	19070	16960	15030	11750
MOZ060L6	ZF18K4E	33560	27810	25080	22450	20010	17760	13950

R-404A		Capacity BTU/HR @ 110°F. Ambient Suction Temperature °F.						
Model	Compressor	0°F.	-10°F.	-15°F.	-20°F.	-25°F.	-30°F.	-40°F.
MOZ020L6	ZF06K4E	10130	8400	7570	6780	6040	5340	4140
MOZ025L6	ZF08K4E	12590	10430	9410	8430	7520	6690	5270
MOZ030L6	ZF09K4E	13990	11620	10490	9420	8400	7480	5900
MOZ035L6	ZF11K4E	16760	13960	12620	11350	10160	9060	7220
MOZ045L6	ZF13K4E	21950	17960	16100	14340	12680	11140	8520
MOZ055L6	ZF15K4E	26250	21690	19530	17480	15550	13780	10770
MOZ060L6	ZF18K4E	30770	25490	22990	20580	18340	16270	12780

NOTE: The ZF compressor comes with liquid injection.

SCROLL COMPRESSORS

1/2 TO 6 HP INDOOR & OUTDOOR CONDENSING UNITS

Performance Data –Medium Temp. Models – Scroll Compressors – R-22

R-22 Model	Compressor	Capacity BTU/HR @ 90°F. Ambient Suction Temperature °F.				
		35°F.	30°F.	25°F.	20°F.	10°F.
MOZ020M6	ZS15K4E	22080	20420	18800	17220	14260
MOZ025M6	ZS19K4E	26080	24190	22340	20530	17090
MOZ030M6	ZS21K4E	31970	29490	27080	24750	20360
MOZ035M6	ZS26K4E	38930	35820	32830	29970	24520
MOZ045M6	ZS30K4E	45920	42010	38300	34810	28450
MOZ055M6	ZS38K4E	54050	49950	45960	42100	34600
MOZ060M6	ZS45K4E	63670	58960	54320	49800	41190

R-22 Model	Compressor	Capacity BTU/HR @ 95°F. Ambient Suction Temperature °F.				
		35°F.	30°F.	25°F.	20°F.	10°F.
MOZ020M6	ZS15K4E	21230	19630	18080	16560	13710
MOZ025M6	ZS19K4E	25080	23260	21480	19740	16430
MOZ030M6	ZS21K4E	30740	28360	26040	23800	19580
MOZ035M6	ZS26K4E	37430	34440	31570	28820	23580
MOZ045M6	ZS30K4E	44150	40390	36830	33470	27360
MOZ055M6	ZS38K4E	51970	48030	44190	40480	33270
MOZ060M6	ZS45K4E	61220	56690	52230	47880	39610

R-22 Model	Compressor	Capacity BTU/HR @ 100°F. Ambient Suction Temperature °F.				
		35°F.	30°F.	25°F.	20°F.	10°F.
MOZ020M6	ZS15K4E	20380	18850	17360	15900	13160
MOZ025M6	ZS19K4E	24080	22330	20620	18950	15770
MOZ030M6	ZS21K4E	29510	27230	25000	22850	18800
MOZ035M6	ZS26K4E	35930	33060	30310	27670	22640
MOZ045M6	ZS30K4E	42380	38770	35360	32130	26270
MOZ055M6	ZS38K4E	49890	46110	42420	38860	31940
MOZ060M6	ZS45K4E	58770	54420	50140	45970	38030

R-22 Model	Compressor	Capacity BTU/HR @ 110°F. Ambient Suction Temperature °F.				
		35°F.	30°F.	25°F.	20°F.	10°F.
MOZ020M6	ZS15K4E	19530	18060	16630	15240	12610
MOZ025M6	ZS19K4E	23070	21400	19760	18160	15120
MOZ030M6	ZS21K4E	28280	26090	23960	21900	18010
MOZ035M6	ZS26K4E	34440	31690	29040	26510	21690
MOZ045M6	ZS30K4E	40620	37160	33880	30790	25170
MOZ055M6	ZS38K4E	47810	44190	40660	37240	30610
MOZ060M6	ZS45K4E	56320	52160	48050	44050	36440

1/2 TO 6 HP INDOOR & OUTDOOR CONDENSING UNITS

Performance Data –Low Temperature Models – Scroll Compressors – R-22

R-22 Model	Compressor	Capacity BTU/HR @ 90°F. Ambient Suction Temperature °F.						
		0°F.	-10°F.	-15°F.	-20°F.	-25°F.	-30°F.	-40°F.
MOZ020L6	ZF06K4E	11610	9400	8380	7450	6590	5840	4590
MOZ025L6	ZF08K4E	14560	11800	10540	9380	8310	7340	5780
MOZ030L6	ZF09K4E	15940	13070	11750	10500	9340	8260	6460
MOZ035L6	ZF11K4E	19310	15870	14270	12760	11360	10080	7900
MOZ045L6	ZF13K4E	23490	19140	17140	15280	13560	12000	9400
MOZ055L6	ZF15K4E	28800	23490	21050	18770	16360	14750	11550
MOZ060L6	ZF18K4E	33800	27550	24670	21970	19480	17220	13440

R-22 Model	Compressor	Capacity BTU/HR @ 95°F. Ambient Suction Temperature °F.						
		0°F.	-10°F.	-15°F.	-20°F.	-25°F.	-30°F.	-40°F.
MOZ020L6	ZF06K4E	11060	8950	7980	7090	6280	5560	4370
MOZ025L6	ZF08K4E	13870	11240	10040	8930	7910	6990	5500
MOZ030L6	ZF09K4E	15180	12450	11190	10000	8890	7870	6150
MOZ035L6	ZF11K4E	18390	15110	13590	12150	10820	9600	7520
MOZ045L6	ZF13K4E	22370	18230	16320	14550	12910	11430	8950
MOZ055L6	ZF15K4E	27430	22370	20050	17880	15580	14050	11000
MOZ060L6	ZF18K4E	32190	26240	23490	20920	18550	16400	12800

R-22 Model	Compressor	Capacity BTU/HR @ 100°F. Ambient Suction Temperature °F.						
		0°F.	-10°F.	-15°F.	-20°F.	-25°F.	-30°F.	-40°F.
MOZ020L6	ZF06K4E	10840	8770	7820	6950	6150	5450	4280
MOZ025L6	ZF08K4E	13590	11020	9840	8750	7750	6850	5390
MOZ030L6	ZF09K4E	14880	12200	10970	9800	8710	7710	6030
MOZ035L6	ZF11K4E	18020	14810	13320	11910	10600	9410	7370
MOZ045L6	ZF13K4E	21920	17870	15990	14260	12650	11200	8770
MOZ055L6	ZF15K4E	26880	21920	19650	17520	15270	13770	10780
MOZ060L6	ZF18K4E	31550	25720	23020	20500	18180	16070	12540

R-22 Model	Compressor	Capacity BTU/HR @ 110°F. Ambient Suction Temperature °F.						
		0°F.	-10°F.	-15°F.	-20°F.	-25°F.	-30°F.	-40°F.
MOZ020L6	ZF06K4E	10290	8320	7420	6590	5840	5170	4060
MOZ025L6	ZF08K4E	12900	10450	9340	8310	7360	6500	5120
MOZ030L6	ZF09K4E	14120	11580	10410	9300	8270	7320	5720
MOZ035L6	ZF11K4E	17100	14050	12640	11300	10060	8930	6990
MOZ045L6	ZF13K4E	20800	16950	15180	13530	12010	10630	8320
MOZ055L6	ZF15K4E	25510	20800	18650	16630	14490	13070	10230
MOZ060L6	ZF18K4E	29940	24400	21850	19460	17250	15250	11900

NOTE: The ZF compressor comes with liquid injection.



PSC Motors are an Energy Solutions feature and are optimized to help you save money by increasing energy efficiency.

1/2 TO 6 HP INDOOR & OUTDOOR CONDENSING UNITS

Unit Specifications - Scroll Compressors

Model Number	Fig. ++	Compressor	Connections (ID)		Receiver 90% Full Lbs.	Fan(s)	Dimensions			Net Wt. Lbs.	Sound Data dba†
			Liquid	Suction			D In.	W In.	H In.		
MOZ020M6	C	ZS15K4E	1/2	7/8	14	2	28.25	37.75	19.75	209	69
MOZ025M6	C	ZS19K4E	1/2	7/8	14	2	28.25	37.75	19.75	218	69
MOZ030M6	D	ZS21K4E	1/2	7/8	20	1	30.25	42.5	29.75	287	70
MOZ035M6	D	ZS26K4E	1/2	7/8	20	1	30.25	42.5	29.75	290	70
MOZ045M6	D	ZS30K4E	1/2	1-1/8	20	1	30.25	42.5	29.75	317	70
MOZ055M6	D	ZS38K4E	1/2	1-1/8	20	1	30.25	42.5	29.75	317	70
MOZ060M6	D	ZS45K43	1/2	1-1/8	20	1	30.25	42.5	29.75	317	71

MOZ020L6	C	ZF06K4E	1/2	7/8	14	2	28.25	37.75	19.75	209	69
MOZ025L6	C	ZF08K4E	1/2	7/8	14	2	28.25	37.75	19.75	218	69
MOZ030L6	C	ZF09K4E	1/2	7/8	14	2	28.25	37.75	19.75	218	69
MOZ035L6	C	ZF11K4E	1/2	7/8	14	2	28.25	37.75	19.75	217	69
MOZ045L6	D	ZF13K4E	1/2	1-1/8	20	1	30.25	42.5	29.75	307	70
MOZ055L6	D	ZF15K4E	1/2	1-1/8	20	1	30.25	42.5	29.75	313	70
MOZ060L6	D	ZF18K4E	1/2	1-1/8	20	1	30.25	42.5	29.75	317	70

++ = See page 23 for details. † = Estimated sound pressure values are 10 feet from the unit. For estimating sound pressure from the unit at different distances, deduct the following from the unit values: 20 feet, deduct 6 dba..... for 40 feet, deduct 12 dba.....for 80 feet, deduct 18 dba. This data is typical of "free field" conditions for horizontal air cooled condensing units at the outlet of the discharge air. The actual sound measurements may vary depending on the condensing unit installation. Factors such as reflecting walls, background noise and mounting conditions may have a significant influence on this data.

Electrical Data - Scroll Compressors

Model Number	Part Number	Power Supply			Compressor		Fan Motor			MCA		MOPD		Evap. Fan Amps	Defrost Heater Amps
		Volts	Ph	Hz†	RLA	LRA	Qty.	HP	FLA	Air	Elec.	Air	Elec.		
MOZ020M62	ZS15K4E-PFV	208-230	1	60	12.2	61	2	1/15	1	20	38	25	40	12	30
MOZ020M63	ZS15K4E-TF5	208-230	3	60	8.3	55	2	1/15	1	15	24	15	25	9	19
MOZ020M64	ZS15K4E-TFD	460	3	60	3.8	27	2	1/15	1	15	24	15	25	^	^
MOZ025M62	ZS19K4E-PFV	208-230	1	60	14.7	73	2	1/15	1	20	38	30	45	12	30
MOZ025M63	ZS19K4E-TF5	208-230	3	60	8.7	63	2	1/15	1	15	29	20	30	11	23
MOZ025M64	ZS19K4E-TFD	460	3	60	4.5	31	2	1/15	1	15	24	15	25	^	^
MOZ030M62	ZS21K4E-PFV	208-230	1	60	14.7	88	1	1/3	3.5	22	38	35	45	12	30
MOZ030M63	ZS21K4E-TF5	208-230	3	60	9.9	77	1	1/3	3.5	20	38	25	40	12	30
MOZ030M64	ZS21K4E-TFD	460	3	60	5.1	39	1	1/3	1.9	15	24	15	25	^	^
MOZ035M62	ZS26K4E-PFV	208-230	1	60	18.6	109	1	1/3	3.5	27	39	45	50	12	30
MOZ035M63	ZS26K4E-TF5	208-230	3	60	12.2	88	1	1/3	3.5	20	38	30	40	12	30
MOZ035M64	ZS26K4E-TFD	460	3	60	6.4	44	1	1/3	1.9	15	24	15	25	^	^
MOZ045M62	ZS30K4E-PFV	208-230	1	60	24.0	129	1	1/3	3.5	34	59	50	60	11	47
MOZ045M63	ZS30K4E-TF5	208-230	3	60	13.5	99	1	1/3	3.5	20	44	30	45	12	35
MOZ045M64	ZS30K4E-TFD	460	3	60	7.4	49.5	1	1/3	1.9	15	29	15	30	11	23
MOZ055M62	ZS38K4E-PFV	208-230	1	60	28.8	169	1	1/3	3.5	40	59	50	60	12	47
MOZ055M63	ZS38K4E-TF5	208-230	3	60	19.2	123	1	1/3	3.5	28	44	45	50	12	35
MOZ055M64	ZS38K4E-TFD	460	3	60	8.7	62	1	1/3	1.9	15	29	20	30	10	23
MOZ060M63	ZS45K4E-TF5	208-230	3	60	21.5	156	1	1/3	3.5	30	42	50	60	12	30
MOZ060M64	ZS45K4E-TFD	460	3	60	8.3	70	1	1/3	1.9	15	29	20	30	10.6	23

MOZ020L62	ZF06K4E-PFV	208-230	1	60	12.2	61	2	1/15	1	20	38	25	40	12	30
MOZ020L63	ZF06K4E-TF5	208-230	3	60	8.3	55	2	1/15	1	15	24	15	25	9	19
MOZ020L64	ZF06K4E-TFD	460	3	60	3.8	27	2	1/15	1	15	24	15	25	^	^
MOZ025L62	ZF08K4E-PFV	208-230	1	60	14.7	73	2	1/15	1	20	38	30	45	12	30
MOZ025L63	ZF08K4E-TF5	208-230	3	60	8.7	63	2	1/15	1	15	29	20	30	11	23
MOZ025L64	ZF08K4E-TFD	460	3	60	4.5	31	2	1/15	1	15	24	15	25	^	^
MOZ030L62	ZF09K4E-PFV	208-230	1	60	14.7	88	2	1/15	1	20	38	30	45	12	30
MOZ030L63	ZF09K4E-TF5	208-230	3	60	9.9	77	2	1/15	1	15	24	20	25	6	19
MOZ030L64	ZF09K4E-TFD	460	3	60	5.1	39	2	1/15	1	15	15	15	15	^	^
MOZ035L62	ZF11K4E-PFV	208-230	1	60	18.6	109	2	1/15	1	24	38	40	50	12	30
MOZ035L63	ZF11K4E-TF5	208-230	3	60	12.2	88	2	1/15	1	20	29	25	30	6	23
MOZ035L64	ZF11K4E-TFD	460	3	60	6.4	44	2	1/15	1	15	15	15	15	^	^
MOZ045L62	ZF13K4E-PFV	208-230	1	60	24.0	129	1	1/3	3.5	34	45	50	60	11	30
MOZ045L63	ZF13K4E-TF5	208-230	3	60	13.5	99	1	1/3	3.5	20	38	30	40	11	30
MOZ045L64	ZF13K4E-TFD	460	3	60	7.4	49.5	1	1/3	1.9	15	24	15	25	9	19
MOZ055L62	ZF15K4E-PFV	208-230	1	60	28.8	169	1	1/3	3.5	40	50	50	60	10	30
MOZ055L63	ZF15K4E-TF5	208-230	3	60	19.2	123	1	1/3	3.5	28	40	45	50	10	30
MOZ055L64	ZF15K4E-TFD	460	3	60	8.7	62	1	1/3	1.9	15	24	20	25	8	19
MOZ060L63	ZF18K4E-TF5	208-230	3	60	21.5	156	1	1/3	3.5	30	44	50	60	12	35
MOZ060L64	ZF18K4E-TFD	460	3	60	8.3	70	1	1/3	1.9	15	29	20	30	11	23

Per UL and NEC, RLA values have been calculated by dividing the Maximum Continuous Current (MCC) by 1.56.

^ Power supplied by customer.

† Consult factory for 50 HZ applications.

1/2 TO 6 HP INDOOR & OUTDOOR CONDENSING UNITS

Performance Data - High Temp. Models - Semi-hermetic Comp. - R-22

R-22 Model	Compressor	Capacity BTU/HR @ 90°F. Ambient Suction Temperature °F.					
		40°F.	30°F.	25°F.	20°F.	10°F.	0°F.
MOS005H2	HAG-0050	6050	5060	4610	4160	3350	
MOS008H2	KAN-0075	9610	7970	7200	6470	5160	
MOS008M2	KAE-0075			8230	7430	5970	4740
MOS010H2	KAR-0100	12910	10670	9630	8630	6830	
MOS010M2	KAM-0100			11120	10050	8080	6440
MOS015H2	KAG-0150	16990	13880	12720	11440	9120	
MOS020H2	ERA-0200	22890	18840	16860	14900	11180	
MOS020M2	KAK-0200			17190	15510	12450	9880
MOS021M2	ERC-0200			18350	16650	13520	10850
MOS029M2	ERF-0310			25570	23190	18860	15330
MOS030H2	ERF-0310	37070	30820	27870	25100	20160	
MOS030M2	3RA-0310			33580	30500	24870	20210
MOS040H2	NRB-0400	53390	44650	40510	36580	29500	
MOS050H2	NRA-0500	60490	51020	46480	42120	34180	
MOS050M2	NRM-0500			53650	48780	39810	32400

R-22 Model	Compressor	Capacity BTU/HR @ 95°F. Ambient Suction Temperature °F.					
		40°F.	30°F.	25°F.	20°F.	10°F.	0°F.
MOS005H2	HAG-0050	5820	4870	4430	4000	3220	
MOS008H2	KAN-0075	9240	7660	6920	6220	4960	
MOS008M2	KAE-0075			7910	7140	5740	4560
MOS010H2	KAR-0100	12410	10260	9260	8300	6570	
MOS010M2	KAM-0100			10690	9660	7770	6190
MOS015H2	KAG-0150	16340	13350	12230	11000	8770	
MOS020H2	ERA-0200	22010	18120	16210	14330	10750	
MOS020M2	KAK-0200			16530	14910	11970	9500
MOS021M2	ERC-0200			17640	16010	13000	10430
MOS029M2	ERF-0310			24720	22400	18200	14760
MOS030H2	ERF-0310	35640	29630	26800	24130	19380	
MOS030M2	3RA-0310			32290	29330	23910	19430
MOS040H2	NRB-0400	51340	42930	38950	35170	28370	
MOS050H2	NRA-0500	58160	49060	44690	40500	32870	
MOS050M2	NRM-0500			51590	46900	38280	31150

R-22 Model	Compressor	Capacity BTU/HR @ 100°F. Ambient Suction Temperature °F.					
		40°F.	30°F.	25°F.	20°F.	10°F.	0°F.
MOS005H2	HAG-0050	5590	4680	4250	3840	3090	
MOS008H2	KAN-0075	8870	7350	6640	5970	4760	
MOS008M2	KAE-0075			7590	6850	5510	4380
MOS010H2	KAR-0100	11910	9850	8890	7970	6310	
MOS010M2	KAM-0100			10260	9270	7460	5940
MOS015H2	KAG-0150	15690	12820	11740	10560	8420	
MOS020H2	ERA-0200	21130	17400	15560	13760	10320	
MOS020M2	KAK-0200			15870	14310	11490	9120
MOS021M2	ERC-0200			16930	15370	12480	10010
MOS029M2	ERF-0310			23850	21610	17530	14200
MOS030H2	ERF-0310	34210	28450	25720	23160	18600	
MOS030M2	3RA-0310			31000	28150	22950	18660
MOS040H2	NRB-0400	49290	41210	37390	33760	27240	
MOS050H2	NRA-0500	55830	47100	42900	38880	31560	
MOS050M2	NRM-0500			49530	45020	36750	29910

R-22 Model	Compressor	Capacity BTU/HR @ 110°F. Ambient Suction Temperature °F.					
		40°F.	30°F.	25°F.	20°F.	10°F.	0°F.
MOS005H2	HAG-0050	5120	4290	3900	3520	2830	
MOS008H2	KAN-0075	8130	6740	6090	5470	4360	
MOS008M2	KAE-0075			6960	6280	5050	4010
MOS010H2	KAR-0100	10920	9030	8150	7300	5780	
MOS010M2	KAM-0100			9410	8500	6840	5450
MOS015H2	KAG-0150	14380	11750	10760	9680	7720	
MOS020H2	ERA-0200	19370	15950	14260	12610	9460	
MOS020M2	KAK-0200			14550	13120	10530	8360
MOS021M2	ERC-0200			15520	14090	11440	9180
MOS029M2	ERF-0310			22150	20040	16210	13080
MOS030H2	ERF-0310	31370	26070	23580	21240	17050	
MOS030M2	3RA-0310			28420	25810	21040	17100
MOS040H2	NRB-0400	45180	37780	34280	30950	24970	
MOS050H2	NRA-0500	51180	43180	39320	35640	28930	
MOS050M2	NRM-0500			45400	41270	33690	27420

1/2 TO 6 HP INDOOR & OUTDOOR CONDENSING UNITS

Performance Data - Medium Temp. Models - Semi-hermetic Comp. - R-404A

R-404A		Capacity BTU/HR @ 90°F. Ambient Suction Temperature °F.						
Model	Compressor	25°F.	20°F.	15°F.	10°F.	5°F.	0°F.	-5°F.
MOS005M6	HAJ-005E	5420	4960	4440	3930	3460	3060	2690
MOS010M6	KAR-010E	10140	9370	8480	7600	6770	5990	5290
MOS020M6	KAK-020E	16890	15110	13590	12260	11070	9940	8690
MOS021M6	ERC-021E	20860	19650	17590	15940	14160	12490	10870
MOS030M6	ERF-031E	30880	28310	25730	23180	20690	18260	15950
MOS040M6	NRB-040E	40810	37350	33810	30250	26730	23250	19900

R-404A		Capacity BTU/HR @ 95°F. Ambient Suction Temperature °F.						
Model	Compressor	25°F.	20°F.	15°F.	10°F.	5°F.	0°F.	-5°F.
MOS005M6	HAJ-005E	5210	4770	4270	3780	3330	2940	2590
MOS010M6	KAR-010E	9750	9010	8150	7310	6510	5760	5090
MOS020M6	KAK-020E	16240	14530	13070	11790	10640	9560	8360
MOS021M6	ERC-021E	20060	18890	16910	15330	13620	12010	10450
MOS030M6	ERF-031E	29690	27220	24740	22290	19890	17560	15340
MOS040M6	NRB-040E	39240	35910	32510	29090	25700	22360	19130

R-404A		Capacity BTU/HR @ 100°F. Ambient Suction Temperature °F.						
Model	Compressor	25°F.	20°F.	15°F.	10°F.	5°F.	0°F.	-5°F.
MOS005M6	HAJ-005E	5000	4580	4100	3630	3200	2820	2490
MOS010M6	KAR-010E	9360	8650	7820	7020	6250	5530	4890
MOS020M6	KAK-020E	15590	13950	12550	11320	10210	9180	8030
MOS021M6	ERC-021E	19260	18130	16230	14720	13080	11530	10030
MOS030M6	ERF-031E	28500	26130	23750	21400	19090	16860	14730
MOS040M6	NRB-040E	37670	34470	31210	27930	24670	21470	18360

R-404A		Capacity BTU/HR @ 110°F. Ambient Suction Temperature °F.						
Model	Compressor	25°F.	20°F.	15°F.	10°F.	5°F.	0°F.	-5°F.
MOS005M6	HAJ-005E	4580	4200	3760	3330	2930	2590	2280
MOS010M6	KAR-010E	8580	7930	7170	6430	5730	5070	4480
MOS020M6	KAK-020E	14290	12790	11500	10380	9360	8410	7360
MOS021M6	ERC-021E	17650	16620	14880	13490	11990	10570	9200
MOS030M6	ERF-031E	26130	23950	21770	19620	17500	15450	13500
MOS040M6	NRB-040E	34530	31600	28610	25600	22620	19680	16830

1/2 TO 6 HP INDOOR & OUTDOOR CONDENSING UNITS

Performance Data - Low Temp. Models - Semi-hermetic Comp. - R-404A

R-404A Model	Compressor	Capacity BTU/HR @ 90°F. Ambient Suction Temperature °F.						
		0°F.	-5°F.	-10°F.	-20°F.	-25°F.	-30°F.	-40°F.
MOS005L6	KAN-005E	3530	3150	2760	2050	1720	1420	930
MOS008L6	KAM-007E	6010	5360	4730	3570	3050	2580	1820
MOS010L6	KAJ-010E	7770	6990	6240	4830	4190	3610	2640
MOS015L6	KAL-015E	11780	10600	9470	7340	6370	5500	4020
MOS020L6	EAD-020E	13780	12290	10860	8260	7120	6100	4470
MOS021L6	EAV-021E	15120	13660	12200	9420	8140	6980	5160
MOS027L6	3AB-031E	17670	15860	14110	10870	9420	8100	5940
MOS030L6	LAH-032E	22600	20320	18090	13810	11830	9970	6780
MOS030E6	LAC-032E				16780	14570	12540	9010
MOS040L6	NRD-040E^	29660	26750	23910	18490	15980	13640	9480
	NRD-032E^^							

R-404A Model	Compressor	Capacity BTU/HR @ 95°F. Ambient Suction Temperature °F.						
		0°F.	-5°F.	-10°F.	-20°F.	-25°F.	-30°F.	-40°F.
MOS005L6	KAN-005E	3310	2940	2580	1900	1580	1300	830
MOS008L6	KAM-007E	5520	4900	4320	3280	2810	2390	1620
MOS010L6	KAJ-010E	7220	6480	5790	4520	3940	3390	2440
MOS015L6	KAL-015E	10960	9930	8920	6990	6110	5300	3930
MOS020L6	EAD-020E	12530	11160	9870	7520	6490	5560	3980
MOS021L6	EAV-021E	13920	12600	11280	8780	7610	6520	4590
MOS027L6	3AB-031E	16640	14890	13210	10100	8710	7450	5420
MOS030L6	LAH-032E	21310	19100	16930	12800	10880	9100	6040
MOS030E6	LAC-032E				15700	13550	11580	8270
MOS040L6	NRD-040E^	28090	25280	22530	17300	14860	12590	8630
	NRD-032E^^							

R-404A Model	Compressor	Capacity BTU/HR @ 100°F. Ambient Suction Temperature °F.						
		0°F.	-5°F.	-10°F.	-20°F.	-25°F.	-30°F.	-40°F.
MOS005L6	KAN-005E	3100	2760	2400	1750	1450	1170	750
MOS008L6	KAM-007E	5290	4680	4100	3020	2540	2100	1400
MOS010L6	KAJ-010E	6900	6180	5470	4160	3570	3030	2150
MOS015L6	KAL-015E	10520	9460	8410	6440	5540	4700	3300
MOS020L6	EAD-020E	12140	10730	9400	6970	5920	4980	3530
MOS021L6	EAV-021E	13390	12110	10810	8260	7060	5940	4050
MOS027L6	3AB-031E	15620	13940	12320	9330	8000	6800	4900
MOS030L6	LAH-032E	20020	17890	15790	11790	9940	8230	5300
MOS030E6	LAC-032E				14630	12530	10640	7540
MOS040L6	NRD-040E^	26520	23810	21160	16100	13750	11560	7720
	NRD-032E^^							

R-404A Model	Compressor	Capacity BTU/HR @ 110°F. Ambient Suction Temperature °F.						
		0°F.	-5°F.	-10°F.	-20°F.	-25°F.	-30°F.	-40°F.
MOS005L6	KAN-005E	2680	2360	2030	1440	1160	900	520
MOS008L6	KAM-007E	4560	4010	3470	2480	2030	1620	970
MOS010L6	KAJ-010E	6040	5370	4720	3510	2960	2470	1660
MOS015L6	KAL-015E	9290	8320	7370	5560	4710	3930	2580
MOS020L6	EAD-020E	10510	9210	7950	6000	4720	3880	2610
MOS021L6	EAV-021E	11670	10570	9450	7130	5990	4900	2950
MOS027L6	3AB-031E	13590	12040	10540	7800	6590	5520	3870
MOS030L6	LAH-032E	17480	15490	13530	9800	8080	6490	3750
MOS030E6	LAC-032E				12510	10510	8760	6090
MOS040L6	NRD-040E^	23410	20900	18440	13740	11550	9500	5880
	NRD-032E^^							

^ NRD-0140E Compressor is Single Phase & uses R-404A only.

^^ Uses R-404A & 507 in 3 phase model.

1/2 TO 6 HP INDOOR & OUTDOOR CONDENSING UNITS

Performance Data - Low Temp. Models - Semi-hermetic Comp. - R-22

R-22		Capacity BTU/HR @ 90°F. Ambient Suction Temperature °F.						
Model	Compressor	0°F.	-5°F.	-10°F.	-20°F.	-25°F.	-30°F.	-40°F.
MOS005L2	KAN-0050	3710	3240	2800	2020	1680	1340	810
MOS008L2	KAM-0075	5890	5230	4610	3490	3000	2560	1850
MOS010L2	KAJ-0100	7250	6460	5710	4330	3730	3190	2330
MOS020L2	EAD-0200	12580	11130	9740	7210	6090	6000	3090
MOS021L2	EAV-0210	14910	13160	11500	8550	7300	6150	4580
MOS030L2	LAH-0310	21090	18740	16450	12210	10300	8500	5800

R-22		Capacity BTU/HR @ 95°F. Ambient Suction Temperature °F.						
Model	Compressor	0°F.	-5°F.	-10°F.	-20°F.	-25°F.	-30°F.	-40°F.
MOS005L2	KAN-0050	3480	3030	2560	1800	1520	1180	650
MOS008L2	KAM-0075	5880	4970	4560	3430	2820	2470	1690
MOS010L2	KAJ-0100	7280	6150	5630	4260	3500	3150	2140
MOS020L2	EAD-0200	12530	10480	9580	6920	5600	4700	2700
MOS021L2	EAV-0210	14330	12500	11010	8140	6820	5840	4200
MOS030L2	LAH-0310	20120	17840	15630	11520	9670	7920	5300

R-22		Capacity BTU/HR @ 100°F. Ambient Suction Temperature °F.						
Model	Compressor	0°F.	-5°F.	-10°F.	-20°F.	-25°F.	-30°F.	-40°F.
MOS005L2	KAN-0050	3300	2860	2450	1700	1420	1110	590
MOS008L2	KAM-0075	5370	4750	4170	3110	2640	2220	1540
MOS010L2	KAJ-0100	6590	5850	5140	3850	3270	2760	1940
MOS020L2	EAD-0200	11350	9950	8620	6220	5180	4240	2350
MOS021L2	EAV-0210	13640	11970	10400	7610	6410	5380	3860
MOS030L2	LAH-0310	19140	16940	14800	10820	9030	7340	4280

R-22		Capacity BTU/HR @ 110°F. Ambient Suction Temperature °F.						
Model	Compressor	0°F.	-5°F.	-10°F.	-20°F.	-25°F.	-30°F.	-40°F.
MOS005L2	KAN-0050	2900	2480	2100	1380	1050	760	280
MOS008L2	KAM-0075	4850	4280	3730	2730	2290	1890	1220
MOS010L2	KAJ-0100	5940	5240	4580	3360	2810	2330	1530
MOS020L2	EAD-0200	10110	8780	7530	5250	4270	2380	1590
MOS021L2	EAV-0210	12370	10790	9310	6650	5480	4560	3120
MOS030L2	LAH-0310	17200	15150	13160	9440	7760	6240	3250

1/2 TO 6 HP INDOOR & OUTDOOR CONDENSING UNITS

Unit Specifications - Semi-hermetic Compressors

Model Number	Fig. ++	Compressor	Connections (ID)		Receiver 90% Full Lbs.	Fan(s)	Dimensions			Net Wt. Lbs.	Sound Data dba [†]
			Liquid	Suction			D In.	W In.	H In.		
MOS005H2	A	HAG-0050	3/8	1/2	6	1	28.25	23.75	17.25	161	66
MOS008H2	A	KAN-0075	3/8	5/8	6	1	28.25	23.75	17.25	180	66
MOS008M2	A	KAE-0075	3/8	5/8	6	1	28.25	23.75	17.25	180	66
MOS010H2	A	KAR-0100	3/8	5/8	6	1	28.25	23.75	17.25	175	66
MOS010M2	A	KAM-0100	3/8	5/8	6	1	28.25	23.75	17.25	178	66
MOS015H2	B	KAG-0150	3/8	7/8	10	2	28.25	37.75	17.25	221	69
MOS020H2	B	ERA-0200	3/8	7/8	10	2	28.25	37.75	17.25	293	69
MOS020M2	B	KAK-0200	3/8	7/8	10	2	28.25	37.75	17.25	189	69
MOS021M2	B	ERC-0200	3/8	7/8	10	2	28.25	37.75	17.25	301	69
MOS029M2	C	ERF-0310	1/2	7/8	16	2	28.25	37.75	19.75	391	69
MOS030H2	D	ERF-0310	1/2	7/8	22	1	30.25	42.5	29.75	385	70
MOS030M2	D	3RA-0310	1/2	7/8	22	1	30.25	42.5	29.75	397	70
MOS040H2	D	NRB-0400	1/2	1-1/8	22	1	30.25	42.5	29.75	460	70
MOS050H2	D	NRA-0500	1/2	1-1/8	22	1	30.25	42.5	29.75	462	70
MOS050M2	D	NRM-0500	1/2	1-1/8	22	1	30.25	42.5	29.75	462	70

MOS005M6	A	HAI-005E	3/8	1/2	5.5	1	28.25	23.75	17.25	161	66
MOS010M6	A	KAR-010E	3/8	5/8	5.5	1	28.25	23.75	17.25	178	66
MOS020M6	B	KAK-020E	3/8	7/8	9	2	28.25	37.75	17.25	189	69
MOS021M6	B	ERC-021E	3/8	7/8	9	2	28.25	37.75	17.25	301	69
MOS030M6	D	ERF-031E	1/2	7/8	20	1	30.25	42.5	29.75	397	70
MOS040M6	D	NRB-040E	1/2	1-1/8	20	1	30.25	42.5	29.75	460	70

MOS005L2	A	KAN-0050	3/8	1/2	6	1	28.25	23.75	17.25	172	66
MOS008L2	A	KAM-0075	3/8	5/8	6	1	28.25	23.75	17.25	172	66
MOS010L2	A	KAJ-0100	3/8	5/8	6	1	28.25	23.75	17.25	175	66
MOS020L2	B	EAD-0200	3/8	7/8	10	2	28.25	37.75	17.25	298	69
MOS021L2	B	EAV-0210	3/8	7/8	10	2	28.25	37.75	17.25	301	69
MOS030L2	C	LAH-0311	1/2	7/8	16	2	28.25	37.75	19.75	347	69

MOS005L6	A	KAN-005E	3/8	1/2	5.5	1	28.25	23.75	17.25	172	66
MOS008L6	A	KAM-007E	3/8	5/8	5.5	1	28.25	23.75	17.25	172	66
MOS010L6	A	KAJ-010E	3/8	5/8	5.5	1	28.25	23.75	17.25	178	66
MOS015L6	B	KAL-015E	3/8	7/8	9	2	28.25	37.75	17.25	225	69
MOS020L6	B	EAD-020E	3/8	7/8	9	2	28.25	37.75	17.25	291	69
MOS021L6	B	EAV-021E	3/8	7/8	9	2	28.25	37.75	17.25	301	69
MOS027L6	C	3AB-031E	1/2	7/8	14	2	28.25	37.75	19.75	391	69
MOS030L6	C	LAH-032E	1/2	7/8	14	2	28.25	37.75	19.75	357	69
MOS030E6	C	LAC-032E	1/2	7/8	14	2	28.25	37.75	19.75	391	69
MOS040L6	D	NRD-032/040E	1/2	1-1/8	20	1	30.25	42.5	29.75	457	70

++ = See page 23 for details. † = Estimated sound pressure values are 10 feet from the unit. For estimating sound pressure from the unit at different distances, deduct the following from the unit values: 20 feet, deduct 6 dba..... for 40 feet, deduct 12 dba..... for 80 feet, deduct 18 dba. This data is typical of "free field" conditions for horizontal air cooled condensing units at the outlet of the discharge air. The actual sound measurements may vary depending on the condensing unit installation. Factors such as reflecting walls, background noise and mounting conditions may have a significant influence on this data.

1/2 TO 6 HP INDOOR & OUTDOOR CONDENSING UNITS

Electrical Data - Medium Temp. - Semi-hermetic Compressors

Model Number	Part Number	Power Supply			Compressor		Fan Motor			MCA		MOPD		Evap. Fan Amps	Defrost Heater Amps
		Volts	Ph	Hz†	RLA	LRA	Qty.	HP	FLA	Air	Elec.	Air	Elec.		
MOS005H22	HAG2-0050-CAV	208-230	1	60	3.6	22.0	1	1/15	0.5	15	20	15	20	9	15
MOS005H23	HAG1-0050-TAC	208-230	3	60	2.1	13.0	1	1/15	0.5	15	20	15	20	9.5	15
MOS008H22	KAN2-0075-CAV	208-230	1	60	5.4	36.0	1	1/15	0.5	15	20	15	20	8	15
MOS008H23	KAN1-0075-TAC	208-230	3	60	3.1	19.9	1	1/15	0.5	15	20	15	20	9	15
MOS008M22	KAE2-0075-CAV	208-230	1	60	4.9	36.0	1	1/15	0.5	15	20	15	20	8	15
MOS008M23	KAE1-0075-TAC	208-230	3	60	3.0	19.9	1	1/15	0.5	15	20	15	20	9	15
MOS010H22	KAR2-0100-CAV	208-230	1	60	6.6	40.0	1	1/15	0.5	15	20	15	20	7	15
MOS010H23	KAR1-0100-TAC	208-230	3	60	3.8	27.0	1	1/15	0.5	15	20	15	20	9	15
MOS010M22	KAM2-0100-CAV	208-230	1	60	6.7	40.0	1	1/15	0.5	15	20	15	20	7	15
MOS010M23	KAM1-0100-TAC	208-230	3	60	4.0	27	1	1/15	0.5	15	20	15	20	9	15
MOS015H22	KAGB-0150-CAV	208-230	1	60	8.6	55.0	2	1/15	1	15	24	20	25	9	19
MOS015H23	KAGA-0150-TAC	208-230	3	60	4.9	35.5	2	1/15	1	15	20	15	20	8	15
MOS015H24	KAGA-0150-TAD	460	3	60	2.2	18.2	2	1/15	1	15	20	15	20	^	^
MOS020H29	ERA2-0200-CAB	230	1	60	9.3	58.0	2	1/15	1	15	24	20	25	6	19
MOS020H23	ERA1-0200-TAC	208-230	3	60	5.9	46.0	2	1/15	1	15	24	15	25	9	19
MOS020H24	ERA1-0200-TAD	460	3	60	3.1	46.0	2	1/15	1	15	20	15	20	^	^
MOS020M22	KAKB-0200-CAV	208-230	1	60	9.5	55.0	2	1/15	1	15	24	20	25	6	19
MOS020M23	KAKA-0200-TAC	208-230	3	60	6.1	50.0	2	1/15	1	15	24	15	25	9	19
MOS021M29	ERC2-0200-CAB	230	1	60	9.7	58.0	2	1/15	1	15	24	20	25	6	19
MOS021M23	ERC1-0200-TAC	208-230	3	60	6.1	46.0	2	1/15	1	15	24	15	25	9	19
MOS021M24	ERC1-0200-TAD	460	3	60	3.3	23.0	2	1/15	1	15	20	15	20	^	^

MOS029M29	ERF2-0310-CAB	230	1	60	15.6	86.0	2	1/15	1	21	38	35	45	12	30
MOS029M23	ERF1-0311-TAC	208-230	3	60	11.2	82.0	2	1/15	1	15	29	25	35	12	23
MOS029M24	ERF1-0311-TAD	460	3	60	5.2	41.0	2	1/15	1	15	15	15	25	^	^
MOS030H29	ERF2-0310-CAB	230	1	60	15.6	86.0	1	1/3	3.5	23	38	35	50	12	30
MOS030H23	ERF1-0311-TAC	208-230	3	60	11.2	82.0	1	1/3	3.5	20	38	25	40	12	30
MOS030H24	ERF1-0311-TAD	460	3	60	5.2	41.0	1	1/3	1.9	15	24	15	25	^	^
MOS030M29	3RA2-0310-CAB	230	1	60	16.0	86.0	1	1/3	3.5	24	38	35	50	12	30
MOS030M23	3RA1-0311-TAC	208-230	3	60	12.7	82.0	1	1/3	3.5	20	38	30	40	12	30
MOS030M24	3RA1-0311-TAD	460	3	60	5.6	41.0	1	1/3	1.9	15	24	15	25	^	^
MOS040H23	NRB2-0400-TFC	208-230	3	60	19.6	141.0	1	1/3	3.5	28	40	45	50	12	30
MOS040H24	NRB2-0400-TFD	460	3	60	10.1	62.5	1	1/3	1.9	15	29	20	35	12	23
MOS050H23	NRA3-0500-TFC	208-230	3	60	17.2	141.0	1	1/3	3.5	25	38	40	50	12	30
MOS050H24	NRA3-0500-TFD	460	3	60	8.7	62.5	1	1/3	1.9	15	29	20	35	12	23
MOS050M23	NRM1-0500-TFC	208-230	3	60	21.8	141.0	1	1/3	3.5	31	43	50	60	12	32
MOS050M24	NRM1-0500-TFD	460	3	60	10.8	62.5	1	1/3	1.9	15	29	25	35	12	23

MOS005M62	HAJB-005E-CAV	208-230	1	60	3.3	22.0	1	1/15	0.5	15	20	15	20	9	15
MOS010M62	KARB-010E-CAV	208-230	1	60	6.4	40.0	1	1/15	0.5	15	20	15	20	7	15
MOS010M63	KARA-010E-TAC	208-230	3	60	3.8	27	1	1/15	0.5	15	20	15	20	9	15
MOS020M62	KAKB-021E-CAV	208-230	1	60	9.1	55.0	2	1/15	1	15	24	20	25	6	19
MOS020M63	KAKA-020E-TAC	208-230	3	60	5.8	50.0	2	1/15	1	15	24	15	25	9	19
MOS021M63	ERCA-021E-TAC	208-230	3	60	7.9	46	2	1/15	1	15	24	15	25	9	19
MOS021M64	ERCA-020E-TAD	460	3	60	3.1	23	2	1/15	1	15	20	15	20	^	^
MOS030M69	ERFB-031E-CAB	230	1	60	15.3	86.0	1	1/3	3.5	23	38	35	45	12	30
MOS030M63	ERFA-031E-TAC	208-230	3	60	11.2	82.0	1	1/3	3.5	20	38	25	40	12	30
MOS030M64	ERFA-031E-TAD	460	3	60	5.2	41.0	1	1/3	1.9	15	24	15	25	^	^
MOS040M63	NRB2-040E-TFC	208-230	3	60	19.6	141.0	1	1/3	3.5	28	40	45	50	12	30
MOS040M64	NRB2-040E-TFD	460	3	60	8.1	62.5	1	1/3	1.9	15	29	20	35	12	23

^ Power supplied by customer.

† Consult factory for 50 HZ applications.



PSC Motors are an Energy Solutions feature and are optimized to help you save money by increasing energy efficiency.

1/2 TO 6 HP INDOOR & OUTDOOR CONDENSING UNITS

Electrical Data - Low Temp. - Semi-hermetic Compressors

Model Number	Part Number	Power Supply			Compressor		Fan Motor			MCA		MOPD		Evap. Fan Amps	Defrost Heater Amps
		Volts	Ph	Hz†	RLA	LRA	Qty.	HP	FLA	Air	Elec.	Air	Elec.		
MOS005L22	KANB-0050-CAV	208-230	1	60	3.2	24.0	1	1/15	0.5	15	20	15	20	9	15
MOS008L22	KAMB-0075-CAV	208-230	1	60	5.1	36.0	1	1/15	0.5	15	20	15	20	8	15
MOS008L23	KAMA-0075-TAC	208-230	3	60	2.9	19.9	1	1/15	0.5	15	20	15	20	9	15
MOS010L22	KAJB-0100-CAV	208-230	1	60	6.2	40.0	1	1/15	0.5	15	20	15	20	8	15
MOS010L23	KAJA-0101-TAC	208-230	3	60	4.0	27.0	1	1/15	0.5	15	20	15	20	9	15
MOS020L29	EADB-0200-CAB	230	1	60	7.6	58.0	2	1/15	1	15	20	15	20	4	15
MOS020L23	EADA-0200-TAC	208-230	3	60	6.1	46.0	2	1/15	1	15	20	15	20	7	15
MOS021L22	EAVB-0210-CAV	208-230	1	60	13.2	102.0	2	1/15	1	20	29	30	30	4	23
MOS021L23	EAVA-0210-TAC	208-230	3	60	6.6	50.0	2	1/15	1	15	20	15	20	7	15
MOS021L24	EAVA-0210-TAD	460	3	60	3.5	26.6	2	1/15	1	15	20	15	20	9	15
MOS030L29	LAHB-0311-CAB	230	1	60	14.9	93.0	2	1/15	1	20	38	30	45	12	30
MOS030L23	LAHA-0310-TAC	208-230	3	60	7.8	82.0	2	1/15	1	15	24	15	25	9	19
MOS030L24	LAHA-0310-TAD	460	3	60	4.6	41.0	2	1/15	1	15	15	15	15	^	^

MOS005L62	KANB-005E-CAV	208-230	1	60	3.1	24.0	1	1/15	0.5	15	20	15	20	9	15
MOS005L63	KANA-006E-TAC	208-230	3	60	2.0	13.2	1	1/15	0.5	15	20	15	20	9.6	15
MOS008L62	KAMB-007E-CAV	208-230	1	60	5.1	36.0	1	1/15	0.5	15	20	15	20	8	15
MOS008L63	KAMA-007E-TAC	208-230	3	60	2.9	19.9	1	1/15	0.5	15	20	15	20	9	15
MOS010L62	KAJB-010E-CAV	208-230	1	60	6.2	40.0	1	1/15	0.5	15	20	15	20	8	15
MOS010L63	KAJA-011E-TAC	208-230	3	60	4.1	27.0	1	1/15	0.5	15	20	15	20	9	15
MOS015L62	KALB-015E-CAV	208-230	1	60	8.9	55.0	2	1/15	1	15	24	20	25	8	19
MOS015L63	KALA-016E-TAC	208-230	3	60	6.0	50.0	2	1/15	1	15	20	15	20	7.6	15
MOS015L64	KALA-016E-TAD	460	3	60	3.1	25.0	2	1/15	1	15	20	15	20	9	15
MOS020L69	EADB-021E-CAB	230	1	60	9.0	58.0	2	1/15	1	15	24	20	25	4	19
MOS020L63	EADA-020E-TAC	208-230	3	60	6.1	46.0	2	1/15	1	15	20	15	20	7	15
MOS021L62	EAVB-021E-CAV	208-230	1	60	13.2	102.0	2	1/15	1	20	29	30	30	4	23
MOS021L63	EAVA-021E-TAC	208-230	3	60	6.6	50.0	2	1/15	1	15	20	15	20	7	15
MOS021L64	EAVA-021E-TAD	460	3	60	2.9	26.6	2	1/15	1	15	20	15	20	9	15
MOS027L69	3ABB-032E-CAB	230	1	60	13.2	86.0	2	1/15	1	20	38	30	40	12	30
MOS027L63	3ABA-031E-TAC	208-230	3	60	9.0	82.0	2	1/15	1	15	24	20	25	8	19
MOS027L64	3ABA-031E-TAD	460	3	60	4.6	41	2	1/15	1	15	15	15	15	^	^
MOS030L69	LAHB-032E-CAB	230	1	60	15.0	105.0	2	1/15	1	20	38	30	45	12	30
MOS030L63	LAHA-032E-TAC	208-230	3	60	11.5	112.0	2	1/15	1	20	29	25	35	12	23
MOS030L64	LAHA-032E-TAD	460	3	60	5.4	56.0	2	1/15	1	15	15	15	15	^	^
MOS030E69	LACB-032E-CAB	230	1	60	13.9	105.0	2	1/15	1	20	38	30	40	12	30
MOS030E63	LACA-032E-TAC	208-230	3	60	11.5	112.0	2	1/15	1	15	29	25	35	12	23
MOS030E64	LACA-032E-TAD	460	3	60	5.4	56.0	2	1/15	1	15	15	15	15	^	^
MOS040L69	NRD1-040E-CFB	230	1	60	24.9	115.0	1	1/3	3.5	35	44	50	60	10	30
MOS040L63	NRD1-032E-TFC	208-230	3	60	14.6	82.0	1	1/3	3.5	22	38	35	45	12	30
MOS040L64	NRD1-032E-TFD	460	3	60	7.6	41.0	1	1/3	1.9	15	24	15	25	9	19

Per UL and NEC, RLA values have been calculated by dividing the Maximum Continuous Current (MCC) by 1.56.

^ Power supplied by customer.

† Consult factory for 50 HZ applications.

Replacement Parts List

Model	Motor	Fan Blade
1/2 - 3 HP (030 and 035 low)	25309101, 230/1	22901601, 14"
3 - 6 HP (030 med./high)	25309001, 230/1	7173156, 22" 25309002, 460/1



PSC Motors are an Energy Solutions feature and are optimized to help you save money by increasing energy efficiency.

1/2 TO 6 HP INDOOR & OUTDOOR CONDENSING UNITS

Dimensional Drawings

OUTDOOR

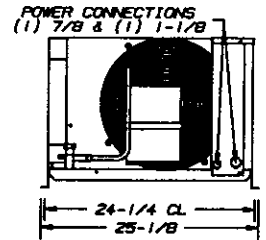
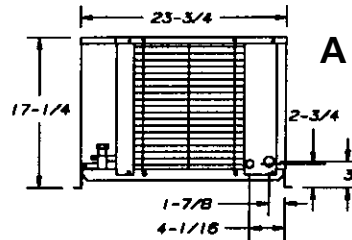
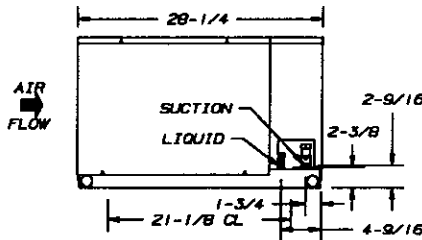
INDOOR

LEFT VIEW

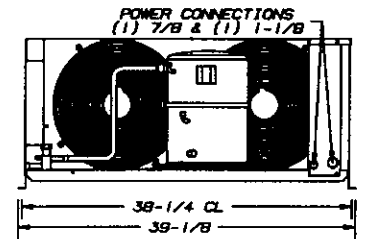
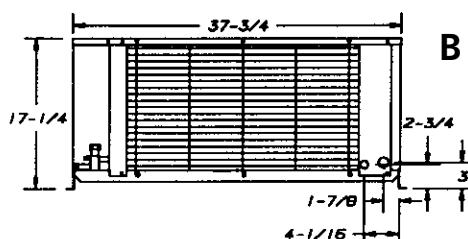
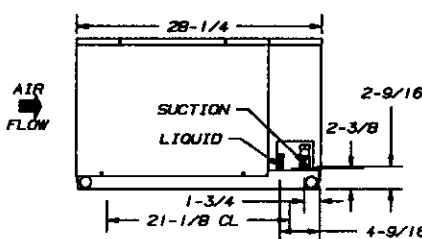
FRONT VIEW

FRONT VIEW

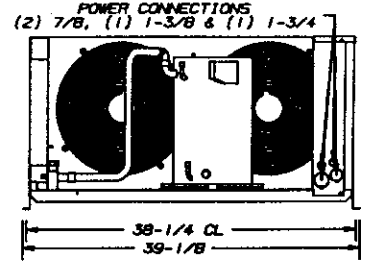
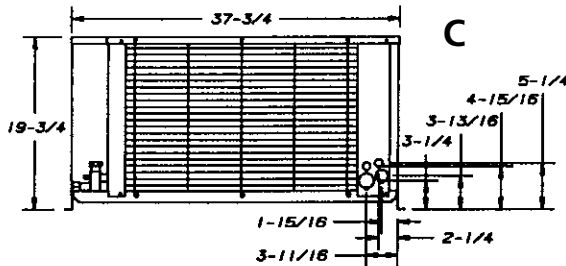
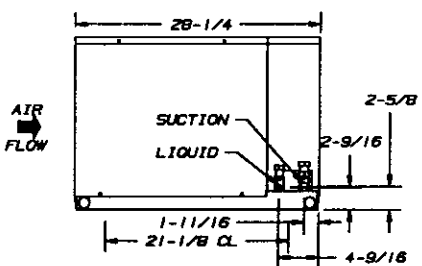
1/2, 3/4 and 1 HP



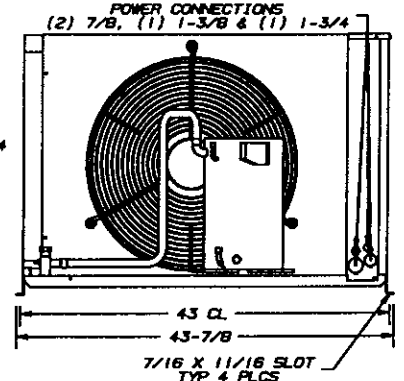
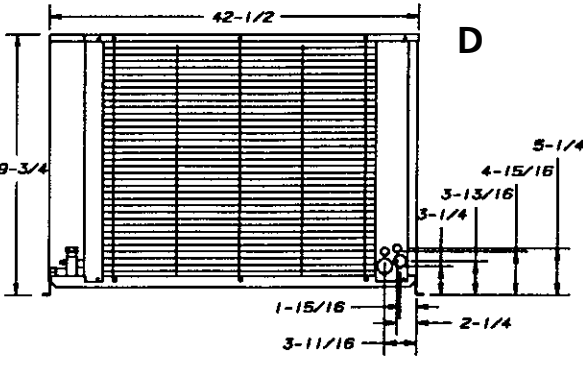
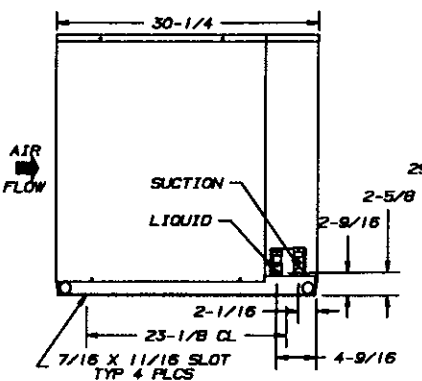
1-1/2 and 2 HP



3 HP - ALTERNATE CABINET



3, 4, 5 and 6 HP



Since product improvement is a continuing effort,
we reserve the right to make changes in specifications without notice.

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