

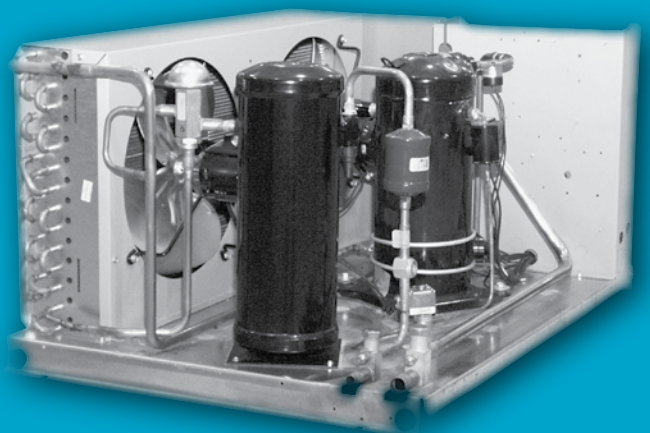


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CLIMATE
CONTROL

1/2-6 HP CONDENSING UNITS

Technical Guide



*Indoor and Outdoor
Air-Cooled Models*

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

STANDARD FEATURES

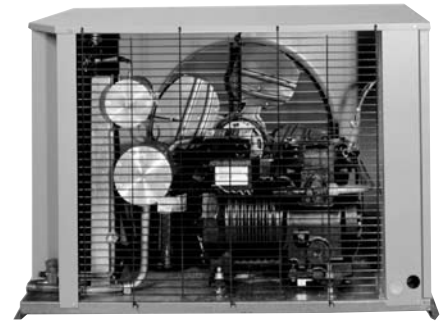
Oversized aluminum fin, copper tube condenser that works in high ambients.

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 an access fitting on the suction line entering the cabinet. 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, Glacier Scroll and the popular Copeland low temperature compressors.

R-22 and R-404A/507 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.

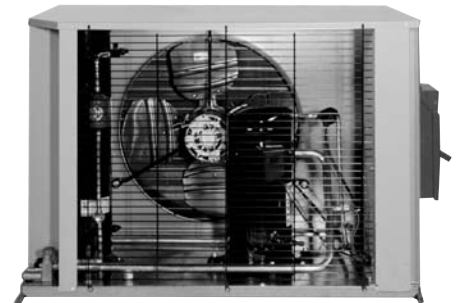
Encapsulated, auto-reset, high and low pressure controls to eliminate leaks (standard on all high and medium temperature models, adjustable low pressure control standard on low temperature models).



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.



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 – pressure or temperature (2 fan units) (Pressure standard on Beacon II™)	Option	Option	NA
Variable speed fan motor using the Hoffman controller (29 3/4" high cabinet) for medium temperature only	Option	Option	NA
Air or electric defrost timer only	Option	Option	1/2–3 HP low temp.
Electric defrost with timer & contactors (040–060 models only)	Option	Option	4–6 HP low temp.
Beacon II™	Option	Option	NA
Head pressure control flooding valve	Standard	Option	Standard
Liquid line drier, sight glass	Option	Option	Standard
Suction line filter	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

NOMENCLATURE

C	H	T	030	L	6	C	F
Model	Compressor	Application	Equiv. HP	Temp.	Refrigerant	Voltage	Identifier
C =	H = Hermetic	T = Outdoor	005 = 1/2 HP	H = High	2 = R-22	B = 208/230/1/60	F = Stock
Climate	S = Semi-herm.	N = Indoor	008/009 = 3/4 HP	L = Low	6 = R-404A/507	C = 208/230/3/60	
Control	Z = Scroll	S = Beacon II™ Microprocessor	010, 011 = 1 HP 01* = 1-1/2 HP 02* = 2 HP 03* = 3 HP 04* = 4 HP 05* = 5 HP 060 = 6 HP	M = Medium E = Extra Low X = Extended Medium		D = 460/3/60 G = 230/1/60	

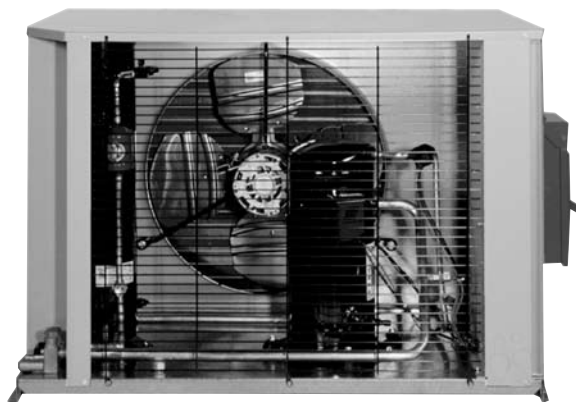
BENEFITS

OUTDOOR SCROLL CONDENSING UNITS

Oversized condenser allows units to operate in high ambients.

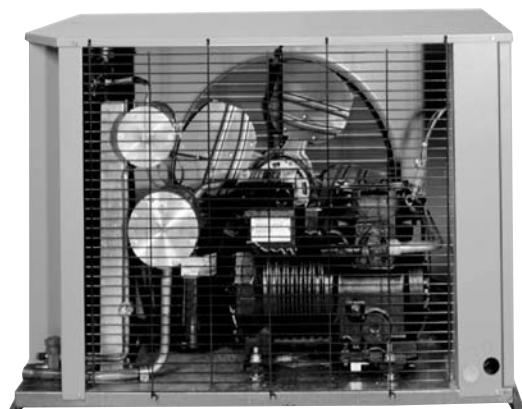
Piping is laid out to minimize stress and vibration.

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

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.

Performance Data - Medium & High Temp. Models - Hermetic Compressors

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.
CH*-005H2	ART82C1	8380	6900	6230	5610	5060	4570	3830
CH*-008H2	RS64C2	-	9860	8770	7720	6730	5740	4250
CH*-010H2	RS70C1	13640	11180	9980	8800	7690	6560	4590
CH*-015H2	CR18KQ	-	15250	13550	11910	10350	8800	5930
CH*-020H2	CR24KQ	24360	19930	17760	15650	13650	11640	8560
CH*-029M2	CR37KQ	-	28090	25120	22220	19410	16720	11880
CH*-030H2	CR37KQ	41190	33300	29500	25830	22330	19040	13210
CH*-040H2	CR53KQ	57430	46140	40790	35620	30740	26150	18100
CH*-050H2	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.
CH*-005H2	ART82C1	8050	6610	5960	5360	4820	4350	3630
CH*-008H2	RS64C2	11550	9390	8350	7350	6420	5470	4050
CH*-010H2	RS70C1	12990	10650	9500	8380	7320	6250	4370
CH*-015H2	CR18KQ	-	14520	12910	11340	9860	8380	5640
CH*-020H2	CR24KQ	23190	18980	16910	14900	12990	11090	8150
CH*-029M2	CR37KQ	-	26750	23930	21160	18480	15920	11310
CH*-030H2	CR37KQ	38230	31710	28090	24610	21260	18140	12580
CH*-040H2	CR53KQ	54690	43950	38840	33930	29270	24920	17240
CH*-050H2	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.
CH*-005H2	ART82C1	7710	6320	5690	5110	4590	4130	3440
CH*-008H2	RS64C2	10970	8930	7940	6990	6100	5190	3850
CH*-010H2	RS70C1	12340	10120	9030	7960	6950	5940	4150
CH*-015H2	CR18KQ	-	13800	12260	10770	9370	7960	5360
CH*-020H2	CR24KQ	22030	18030	16070	14160	12340	10540	7740
CH*-029M2	CR37KQ	-	25410	22730	20100	17550	15130	10740
CH*-030H2	CR37KQ	37270	30130	26690	23380	20200	17220	11950
CH*-040H2	CR53KQ	51960	41760	36890	32240	27820	23670	16390
CH*-050H2	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.
CH*-005H2	ART82C1	7040	5740	5150	4600	4110	3690	3050
CH*-008H2	RS64C2	9570	7680	6790	5970	5180	4480	3320
CH*-010H2	RS70C1	10600	8540	7530	6560	5630	4760	3200
CH*-015H2	CR18KQ	-	12360	10980	9610	8320	7090	4860
CH*-020H2	CR24KQ	19770	16180	14410	12680	11000	9400	6490
CH*-029M2	CR37KQ	-	22690	20190	17760	15420	13200	9290
CH*-030H2	CR37KQ	33900	27120	23870	20760	17820	15080	10350
CH*-040H2	CR53KQ	48390	38470	33780	29320	25120	21230	14550
CH*-050H2	CRN-0500	54770	43730	38490	33470	28740	24340	16760

* = T for Outdoor, N for Indoor, S for Beacon II™

Performance Data - Extended Temperature Models - Hermetic Compressors

R-404A/507		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.
CH*005X6	RS43C2E	5890	5410	4850	3260	2130	1810	1380
CH*008X6	RS55C2E	8490	8050	7480	4260	2350	1750	1130
CH*009X6	RS64C2E	9710	9090	8310	5220	4130	3240	2400
CH*010X6	RS70C1E	10360	9660	9160	5640	4160	2970	1870
CH*015X6	CS10K6E	15940	14660	13330	7700	4900	3610	2330
CH*020X6	CS12K6E	18050	16680	15150	8940	6170	4410	2640
CH*025X6	CS14K6E	19830	18220	16770	10810	7840	6360	4470
CH*030X6	CS18K6E	31240	28630	25980	15400	10260	8110	5950
CH*032X6	CS20K6E	34200	31310	28580	16910	11960	9440	6930
CH*040X6	CS27K6E	43970	39510	35150	20560	14980	11830	8690
CH*050X6	CS33K6E	49470	45010	40420	24860	18110	14300	10500

R-404A/507		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.
CH*005X6	RS43C2E	5560	5100	4580	3080	2010	1710	1300
CH*008X6	RS55C2E	8010	7590	7060	4020	2220	1650	1070
CH*009X6	RS64C2E	9170	8580	7850	4920	3900	3060	2260
CH*010X6	RS70C1E	9770	9110	8640	5320	3920	2800	1760
CH*015X6	CS10K6E	15040	13830	12580	7260	4620	3410	2200
CH*020X6	CS12K6E	17030	15740	14290	8430	5820	4160	2490
CH*025X6	CS14K6E	18710	17190	15820	10200	7400	6000	4220
CH*030X6	CS18K6E	29470	27010	24510	14530	9680	7650	5610
CH*032X6	CS20K6E	32260	29540	26960	15950	11280	8910	6540
CH*040X6	CS27K6E	41480	37270	33160	19400	14130	11160	8200
CH*050X6	CS33K6E	46670	42460	38130	23450	17080	13490	9900

R-404A/507		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.
CH*005X6	RS43C2E	5230	4790	4310	2900	1890	1610	1220
CH*008X6	RS55C2E	7530	7130	6640	3780	2090	1550	1010
CH*009X6	RS64C2E	8620	8060	7380	4630	3660	2870	2130
CH*010X6	RS70C1E	9180	8560	8120	5000	3680	2630	1650
CH*015X6	CS10K6E	14140	13000	11830	6820	4340	3210	2070
CH*020X6	CS12K6E	16010	14800	13430	7920	5470	3910	2340
CH*025X6	CS14K6E	17590	16160	14870	9590	6960	5640	3970
CH*030X6	CS18K6E	27700	25390	23040	13660	9100	7190	5270
CH*032X6	CS20K6E	30320	27770	25340	14990	10600	8380	6150
CH*040X6	CS27K6E	38980	35030	31180	18240	13290	10500	7700
CH*050X6	CS33K6E	43860	39910	35840	22050	16050	12690	9310

R-404A/507		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.
CH*005X6	RS43C2E	5380	4830	4300	2480	1860	1470	1080
CH*008X6	RS55C2E	6150	5900	5520	2730	2050	1620	1190
CH*009X6	RS64C2E	7370	6840	6300	4070	3000	2380	1750
CH*010X6	RS70C1E	7610	7130	6600	4080	2710	2140	1570
CH*015X6	CS10K6E	12780	11700	9920	5690	3220	2540	1870
CH*020X6	CS12K6E	14870	13540	12180	6820	4400	3480	2550
CH*025X6	CS14K6E	16280	15050	13780	8600	6170	4870	3580
CH*030X6	CS18K6E	24270	22160	20020	11590	7660	6050	4440
CH*032X6	CS20K6E	26320	24040	21690	12250	8020	6340	4650
CH*040X6	CS27K6E	35150	31240	27520	15210	11290	8920	6550
CH*050X6	CS33K6E	39870	35920	32070	18230	12840	10150	7450

* = T for Outdoor, N for Indoor, S for Beacon II™

Performance Data - Low Temperature Models - Hermetic Compressors

R404/507 Model	Compressor	Capacity BTUH @ 90°F. Ambient / Suction Temperature °F.					
		0°F.	-5°F.	-10°F.	-20°F.	-25°F.	-30°F.
CH*011L6	CF04K6E	7484	6624	5765	4090	3293	2536
CH*014L6	CF06K6E	10610	9460	8340	6220	5250	4340
CH*019L6	CF06K6E	12100	10700	9350	6870	5570	4720
CH*025L6	CF09K6E	17940	15970	14050	10400	8700	7130
CH*031L6	CF12K6E	20793	18889	16931	12938	10952	9009

R404/507 Model	Compressor	Capacity BTUH @ 95°F. Ambient / Suction Temperature °F.					
		0°F.	-5°F.	-10°F.	-20°F.	-25°F.	-30°F.
CH*011L6	CF04K6E	6930	6109	5289	3684	2919	2196
CH*014L6	CF06K6E	9980	8870	7790	5740	4810	3940
CH*019L6	CF06K6E	11370	10010	8710	6310	5070	4260
CH*025L6	CF09K6E	16870	14990	13150	9650	8040	6560
CH*031L6	CF12K6E	19598	17782	15909	12070	10152	8268

R404/507 Model	Compressor	Capacity BTUH @ 100°F. Ambient / Suction Temperature °F.					
		0°F.	-5°F.	-10°F.	-20°F.	-25°F.	-30°F.
CH*011L6	CF04K6E	6379	5597	4814	3281	2549	1856
CH*014L6	CF06K6E	9360	8280	7230	5270	4370	3550
CH*019L6	CF06K6E	10650	9330	8070	5760	4580	3810
CH*025L6	CF09K6E	15810	14000	12240	8910	7390	6000
CH*031L6	CF12K6E	18410	16681	14892	11206	9354	7530

R404/507 Model	Compressor	Capacity BTUH @ 110°F. Ambient / Suction Temperature °F.					
		0°F.	-5°F.	-10°F.	-20°F.	-25°F.	-30°F.
CH*011L6	CF04K6E	5288	4581	3872	2477	1809	n/a
CH*014L6	CF06K6E	8130	7110	6130	4310	3500	2770
CH*019L6	CF06K6E	9210	7970	6800	4670	3600	2930
CH*025L6	CF09K6E	13680	12050	10440	7440	6080	4850
CH*031L6	CF12K6E	16056	14500	12875	9490	7770	6061

Unit Specifications - Hermetic Compressors

Model Number	Fig. ++	Compressor	Connections (ID)		Receiver 90% Full		Dimensions			Net Wt. Lbs.	Sound Data dba†
			Liquid	Suction	Lbs.	Fan(s)	D In.	W In.	H In.		
CH*005H2	A	ART82C1	3/8	1/2	6	1	28.25	23.75	17.25	187	67
CH*008H2	A	RS64C2	3/8	1/2	6	1	28.25	23.75	17.25	141	68
CH*010H2	A	RS70C1	3/8	5/8	6	1	28.25	23.75	17.25	136	68
CH*015H2	B	CR18KQ	3/8	5/8	10	2	28.25	37.75	17.25	189	71
CH*020H2	B	CR24KQ	3/8	7/8	10	2	28.25	37.75	17.25	193	72
CH*029M2	C	CR37KQ	1/2	7/8	16	2	28.25	37.75	19.25	214	72
CH*030H2	D	CR37KQ	1/2	7/8	22	1	30.25	42.50	29.75	281	73
CH*040H2	D	CR53KQ	1/2	1 1/8	22	1	30.25	42.50	29.75	299	73
CH*050H2	D	CRN-0500	1/2	1 1/8	22	1	30.25	42.50	29.75	310	75
CH*005X6	A	RS43C2E	3/8	1/2	5.5	1	28.25	23.75	17.25	135	68
CH*008X6	A	RS55C2E	3/8	1/2	5.5	1	28.25	23.75	17.25	135	68
CH*009X6	A	RS64C2E	3/8	5/8	5.5	1	28.25	23.75	17.25	144	68
CH*010X6	A	RS70C1E	3/8	5/8	5.5	1	28.25	23.75	17.25	138	68
CH*015X6	B	CS10K6E	3/8	5/8	9	2	28.25	37.75	17.25	193	71
CH*020X6	B	CS12K6E	3/8	7/8	9	2	28.25	37.75	17.25	203	73
CH*025X6	B	CS14K6E	3/8	7/8	9	2	28.25	37.75	17.25	208	74
CH*030X6	D	CS18K6E	1/2	7/8	20	1	30.25	42.50	29.75	290	73
CH*032X6	D	CS20K6E	1/2	7/8	20	1	30.25	42.50	29.75	275	76
CH*040X6	D	CS27K6E	1/2	1 1/8	20	1	30.25	42.50	29.75	281	73
CH*050X6	D	CS33K6E	1/2	1 1/8	20	1	30.25	42.50	29.75	313	73
CH*011L6	A	CF04K6E	3/8	5/8	5.5	1	28.25	23.75	17.25	139	73
CH*014L6	A	CF06K6E	3/8	5/8	5.5	1	28.25	23.75	17.25	170	73
CH*019L6	B	CF06K6E	3/8	5/8	9	2	28.25	37.75	17.25	200	69
CH*025L6	B	CF09K6E	3/8	7/8	9	2	28.25	37.75	17.25	222	76
CH*031L6	C	CF12K6E	1/2	7/8	14	2	28.25	37.75	19.75	223	77

* = T for Outdoor, N for Indoor, S for Beacon II™

++ = 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 - Hermetic Compressors

Model Number	Part Number	Power Supply			Compressor		Fan Motor			MCA		MOPD		Evap. Fan	Defrost Heater
		Volts	Ph	Hz†	RLA	LRA	Qty.	HP	FLA	Air	Elec.	Air	Elec.	Amps	Amps
CH*005H2B	ART82C1-CAV	208-230	1	60	5.9	30	1	1/15	0.5	15	20	15	20	8	15
CH*008H2B	RS64C2-CAV	208-230	1	60	6.9	37	1	1/15	0.5	15	20	15	20	8	15
CH*010H2B	RS70C1-PFV	208-230	1	60	6.3	34.2	1	1/15	0.5	15	20	15	20	7	15
CH*010H2C	RS70C1-TFC	208-230	3	60	4.2	31	1	1/15	0.5	15	20	15	20	8.6	15
CH*015H2B	CR18KQ-PFV	208-230	1	60	8.1	41	2	1/15	1.0	15	24	15	25	6	19
CH*015H2C	CR18KQ-TF5	208-230	3	60	4.9	40	2	1/15	1.0	15	24	15	20	7	19
CH*015H2D	CR18KQ-TFD	460	3	60	2.8	23	2	1/15	1.0	15	20	15	20	^	^
CH*020H2B	CR24KQ-PFV	208-230	1	60	12.2	70.5	2	1/15	1.0	20	29	25	30	6	23
CH*020H2C	CR24KQ-TF5	208-230	3	60	6.7	40	2	1/15	1.0	15	24	15	25	9	19
CH*020H2D	CR24KQ-TFD	460	3	60	3.6	28	2	1/15	1.0	15	20	15	20	^	^
CH*029M2B	CR37KQ-PFV	208-230	1	60	16.7	100.3	2	1/15	1.0	21.8	38	35	50	12	30
CH*029M2C	CR37KQ-TF5	208-230	3	60	9.9	85	2	1/15	1.0	15	38	20	40	12	30
CH*029M2D	CR37KQ-TFD	460	3	60	5.0	39	2	1/15	1.0	15	15	15	25	^	^
CH*030H2B	CR37KQ-PFV	208-230	1	60	16.7	100.3	1	1/3	3.5	24.3	38	40	50	12	30
CH*030H2C	CR37KQ-TF5	208-230	3	60	9.9	85	1	1/3	3.5	20	38	25	40	12	30
CH*030H2D	CR37KQ-TFD	460	3	60	5.0	39	1	1/3	1.9	15	24	15	25	^	^
CH*040H2B	CR53KQ-PFV	208-230	1	60	26.0	140	1	1/3	3.5	36.0	48.0	50	60	12	35
CH*040H2C	CR53KQ-TF5	208-230	3	60	16.3	107	1	1/3	3.5	23.9	38	40	50	12	30
CH*040H2D	CR53KQ-TFD	460	3	60	8.1	55	1	1/3	1.9	15	29	15	30	11	23
CH*050H2B	CRN5-0500-PFV	208-230	1	60	30.8	142.0	1	1/3	3.5	42	59	50	60	12	47
CH*050H2C	CRN5-0500-TF5	208-230	3	60	19.2	130.0	1	1/3	3.5	28	40	45	50	12	30
CH*050H2D	CRN5-0500-TFD	460	3	60	8.7	65.0	1	1/3	1.9	15	29	20	30	10	23

CH*005X6B	RS43C2E-CAV	208-230	1	60	4.8	24.1	1	1/15	0.5	15	20	15	20	8	15
CH*008X6B	RS55C2E-CAV	208-230	1	60	5.4	40	1	1/15	0.5	15	20	15	20	8	15
CH*009X6B	RS64C2E-CAV	208-230	1	60	6.9	37	1	1/15	0.5	15	20	15	20	7	15
CH*010X6B	RS70C1E-PFV	208-230	1	60	6.3	34.2	1	1/15	0.5	15	20	15	20	7	15
CH*010X6C	RS70C1E-TFC	208-230	3	60	4.2	31	1	1/15	0.5	15	20	15	20	8.6	15
CH*015X6B	CS10K6E-PFV	208-230	1	60	9.8	56	2	1/15	1.0	15	24	20	25	6	19
CH*015X6C	CS10K6E-TF5	208-230	3	60	6.7	51	2	1/15	1.0	15	20	15	20	7	15
CH*020X6B	CS12K6E-PFV	208-230	1	60	9.8	56	2	1/15	1.0	15	24	20	25	6	19
CH*020X6C	CS12K6E-TF5	208-230	3	60	6.7	51	2	1/15	1.0	15	24	15	25	9	19
CH*025X6B	CS14K6E-PFV	208-230	1	60	11.2	61	2	1/15	1.0	15	29	25	30	6	23
CH*025X6C	CS14K6E-TF5	208-230	3	60	8.2	55	2	1/15	1.0	15	24	15	25	9	19
CH*025X6D	CS14K6E-TFD	460	3	60	4.2	28	2	1/15	1.0	15	20	15	20	^	^
CH*030X6B	CS18K6E-PFV	208-230	1	60	14.4	82.0	1	1/3	3.5	21	38	35	45	12	30
CH*030X6C	CS18K6E-TF5	208-230	3	60	9.4	65.5	1	1/3	3.5	15	29	20	30	7	23
CH*030X6D	CS18K6E-TFD	460	3	60	3.9	33.0	1	1/3	1.9	15	24	15	25	^	^
CH*032X6B	CS20K6E-PFV	208-230	1	60	16.7	96.0	1	1/3	3.5	24	38	40	50	12	30
CH*032X6C	CS20K6E-TF5	208-230	3	60	10.3	75.0	1	1/3	3.5	20	29	25	30	7	23
CH*032X6D	CS20K6E-TFD	460	3	60	4.6	40.0	1	1/3	1.9	15	24	15	25	^	^
CH*040X6B	CS27K6E-PFV	208-230	1	60	21.5	121	1	1/3	3.5	30.3	44	50	60	12	35
CH*040X6C	CS27K6E-TF5	208-230	3	60	13.7	105	1	1/3	3.5	20.7	38	30	45	12	30
CH*040X6D	CS27K6E-TFD	460	3	60	7.6	52	1	1/3	1.9	15	29	15	30	11	23
CH*050X6B	CS33K6E-PFV	208-230	1	60	27.6	125.0	1	1/3	3.5	38.0	59	50	60	12	47
CH*050X6C	CS33K6E-TF5	208-230	3	60	16.8	102	1	1/3	3.5	24.5	38	40	50	12	30
CH*050X6D	CS33K6E-TFD	460	3	60	8.8	48	1	1/3	1.9	15	29	20	30	10	23

CH*011L6B	CF04K6E-PFV	208-230	1	60	8.6	59.2	1	1/15	0.5	15.0	20.0	15	25	7	15
CH*011L6C	CF04K6E-TF5	200-230	3	60	3.9	52.0	1	1/15	0.5	15.0	20.0	15	20	8	15
CH*014L6B	CF06K6E-PFV	208-230	1	60	10.3	59.2	1	1/15	0.5	15.0	20.0	20	25	4	15
CH*014L6C	CF06K6E-TF5	200-230	3	60	6.3	52.0	1	1/15	0.5	15.0	24.0	15	25	9	19
CH*025L6B	CF09K6E-PFV	208-230	1	60	15	87.0	2	1/15	1.0	20.0	29.0	30	40	6	23
CH*025L6C	CF09K6E-TF5	200-230	3	60	9.2	72.2	2	1/15	1.0	15.0	21	20	25	7	15
CH*031L6B	CF12K6E-PFV	208-230	1	60	17	105.0	2	1/15	1.0	22.3	37.5	35	50	12	30
CH*031L6C	CF12K6E-TF5	200-230	3	60	10.7	85.0	2	1/15	1.0	15.0	28.8	25	30	7	23
CH*031L6D	CF12K6E-TFD	460	3	60	5.3	42.0	2	1/15	1.0	15.0	23.8	15	25	^	^

* = T for Outdoor, N for Indoor, S for Beacon II™

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.

Performance Data - Medium Temperature Models - Scroll Compressors

R-404A/507		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.
CZ*020M6	ZS15K4E	22630	21160	19690	18210	15340	12640	11390
CZ*025M6	ZS19K4E	26730	25070	23390	21700	18380	15230	13750
CZ*030M6	ZS21K4E	32760	30580	28360	26170	21900	17950	16140
CZ*035M6	ZS26K4E	39310	36730	34130	31560	26540	21850	19690
CZ*045M6	ZS30K4E	46490	43050	39760	36560	30480	24890	22310
CZ*055M6	ZS38K4E	53990	50410	46970	43530	36770	30380	27400
CZ*060M6	ZS45K4E	61960	58120	54430	50680	43160	35890	32490

R-404A/507		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.
CZ*020M6	ZS15K4E	21760	20350	18930	17510	14750	12150	10950
CZ*025M6	ZS19K4E	25700	24110	22490	20870	17670	14640	11790
CZ*030M6	ZS21K4E	31500	29400	27270	25160	21060	17260	15520
CZ*035M6	ZS26K4E	37800	35320	32820	30350	25520	21010	18930
CZ*045M6	ZS30K4E	44700	41390	38230	35150	29310	23930	21450
CZ*055M6	ZS38K4E	51910	48470	45160	41860	35360	29210	26350
CZ*060M6	ZS45K4E	59580	55880	52340	48730	41500	34510	31240

R-404A/507		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.
CZ*020M6	ZS15K4E	20890	19540	18170	16810	14160	11660	10510
CZ*025M6	ZS19K4E	24670	23150	21590	20040	16960	14050	12690
CZ*030M6	ZS21K4E	30240	28220	26180	24150	20220	16570	14900
CZ*035M6	ZS26K4E	36290	33910	31510	29140	24500	20170	18170
CZ*045M6	ZS30K4E	42910	39730	36700	33740	28140	22970	20590
CZ*055M6	ZS38K4E	49830	46530	43350	40190	33950	28040	25300
CZ*060M6	ZS45K4E	57200	53640	50250	46780	39840	33130	29990

R-404A/507		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.
CZ*020M6	ZS15K4E	19150	17910	16660	15410	12980	10690	9640
CZ*025M6	ZS19K4E	22620	21220	19760	18370	15550	14190	11630
CZ*030M6	ZS21K4E	27720	25870	24000	22140	18530	15190	13660
CZ*035M6	ZS26K4E	33260	31080	28880	26710	22460	18490	16660
CZ*045M6	ZS30K4E	39340	36420	33640	30930	25790	21060	18880
CZ*055M6	ZS38K4E	45680	42650	39740	36840	31120	25700	23190
CZ*060M6	ZS45K4E	-	49170	46060	42880	36520	30370	27490

* = T for Outdoor, N for Indoor, S for Beacon II™



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

Performance Data - Low Temperature Models - Scroll Compressors

R-404A/507		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.
CZ*020L6	ZF06K4E	11970	9920	8940	8010	7130	6310	4900
CZ*025L6	ZF08K4E	14880	12320	11120	9960	8890	7900	6230
CZ*030L6	ZF09K4E	16540	13730	12400	11130	9930	8840	6980
CZ*035L6	ZF11K4E	19800	16490	14910	13420	12000	10710	8530
CZ*045L6	ZF13K4E	25950	21230	19020	16940	14990	13170	10070
CZ*055L6	ZF15K4E	31030	25640	23070	20650	18390	16280	12740
CZ*060L6	ZF18K4E	36360	30140	27160	24330	21680	19240	15100

R-404A/507		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.
CZ*020L6	ZF06K4E	11510	9540	8600	7700	6860	6070	4710
CZ*025L6	ZF08K4E	14310	11850	10690	9580	8550	7600	5990
CZ*030L6	ZF09K4E	15900	13200	11920	10700	9550	8500	6710
CZ*035L6	ZF11K4E	19040	15860	14340	12900	11540	10300	8200
CZ*045L6	ZF13K4E	24950	20410	18290	16290	14410	12670	9680
CZ*055L6	ZF15K4E	29840	24650	22190	19860	17670	15660	12250
CZ*060L6	ZF18K4E	34960	28970	26120	23390	20850	18500	14520

R-404A/507		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.
CZ*020L6	ZF06K4E	11050	9160	8260	7390	6590	5830	4520
CZ*025L6	ZF08K4E	13740	11380	10260	9200	8210	7300	5750
CZ*030L6	ZF09K4E	15260	12670	11440	10270	9170	8160	6440
CZ*035L6	ZF11K4E	18280	15230	13770	12380	11080	9890	7870
CZ*045L6	ZF13K4E	23950	19600	17560	15650	13830	12160	9290
CZ*055L6	ZF15K4E	28640	23660	21300	19070	16960	15030	11750
CZ*060L6	ZF18K4E	33560	27810	25080	22450	20010	17760	13950

R-404A/507		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.
CZ*020L6	ZF06K4E	10130	8400	7570	6780	6040	5340	4140
CZ*025L6	ZF08K4E	12590	10430	9410	8430	7520	6690	5270
CZ*030L6	ZF09K4E	13990	11620	10490	9420	8400	7480	5900
CZ*035L6	ZF11K4E	16760	13960	12620	11350	10160	9060	7220
CZ*045L6	ZF13K4E	21950	17960	16100	14340	12680	11140	8520
CZ*055L6	ZF15K4E	26250	21690	19530	17480	15550	13780	10770
CZ*060L6	ZF18K4E	30770	25490	22990	20580	18340	16270	12780

* = T for Outdoor, N for Indoor, S for Beacon II™

NOTE: The ZF compressor comes with liquid injection.

Performance Data - Medium Temp. Models – Scroll Compressors

		Capacity BTU/HR @ 90°F. Ambient Suction Temperature °F.				
R-22 Model	Compressor	35°F.	30°F.	25°F.	20°F.	10°F.
CZ*020M6	ZS15K4E	22080	20420	18800	17220	14260
CZ*025M6	ZS19K4E	26080	24190	22340	20530	17090
CZ*030M6	ZS21K4E	31970	29490	27080	24750	20360
CZ*035M6	ZS26K4E	38930	35820	32830	29970	24520
CZ*045M6	ZS30K4E	45920	42010	38300	34810	28450
CZ*055M6	ZS38K4E	54050	49950	45960	42100	34600
CZ*060M6	ZS45K4E	63670	58960	54320	49800	41190

		Capacity BTU/HR @ 95°F. Ambient Suction Temperature °F.				
R-22 Model	Compressor	35°F.	30°F.	25°F.	20°F.	10°F.
CZ*020M6	ZS15K4E	21230	19630	18080	16560	13710
CZ*025M6	ZS19K4E	25080	23260	21480	19740	16430
CZ*030M6	ZS21K4E	30740	28360	26040	23800	19580
CZ*035M6	ZS26K4E	37430	34440	31570	28820	23580
CZ*045M6	ZS30K4E	44150	40390	36830	33470	27360
CZ*055M6	ZS38K4E	51970	48030	44190	40480	33270
CZ*060M6	ZS45K4E	61220	56690	52230	47880	39610

		Capacity BTU/HR @ 100°F. Ambient Suction Temperature °F.				
R-22 Model	Compressor	35°F.	30°F.	25°F.	20°F.	10°F.
CZ*020M6	ZS15K4E	20380	18850	17360	15900	13160
CZ*025M6	ZS19K4E	24080	22330	20620	18950	15770
CZ*030M6	ZS21K4E	29510	27230	25000	22850	18800
CZ*035M6	ZS26K4E	35930	33060	30310	27670	22640
CZ*045M6	ZS30K4E	42380	38770	35360	32130	26270
CZ*055M6	ZS38K4E	49890	46110	42420	38860	31940
CZ*060M6	ZS45K4E	58770	54420	50140	45970	38030

		Capacity BTU/HR @ 110°F. Ambient Suction Temperature °F.				
R-22 Model	Compressor	35°F.	30°F.	25°F.	20°F.	10°F.
CZ*020M6	ZS15K4E	19530	18060	16630	15240	12610
CZ*025M6	ZS19K4E	23070	21400	19760	18160	15120
CZ*030M6	ZS21K4E	28280	26090	23960	21900	18010
CZ*035M6	ZS26K4E	34440	31690	29040	26510	21690
CZ*045M6	ZS30K4E	40620	37160	33880	30790	25170
CZ*055M6	ZS38K4E	47810	44190	40660	37240	30610
CZ*060M6	ZS45K4E	56320	52160	48050	44050	36440

* = T for Outdoor, N for Indoor, S for Beacon II™

Performance Data - Low Temperature Models – Scroll Compressors

CZ*020L6	ZF06K4E	11610	9400	8380	7450	6590	5840	4590
CZ*025L6	ZF08K4E	14560	11800	10540	9380	8310	7340	5780
CZ*030L6	ZF09K4E	15940	13070	11750	10500	9340	8260	6460
CZ*035L6	ZF11K4E	19310	15870	14270	12760	11360	10080	7900
CZ*045L6	ZF13K4E	23490	19140	17140	15280	13560	12000	9400
CZ*055L6	ZF15K4E	28800	23490	21050	18770	16360	14750	11550
CZ*060L6	ZF18K4E	33800	27550	24670	21970	19480	17220	13440

Capacity BTU/HR @ 95°F. Ambient Suction Temperature °F.

R-22 Model	Compressor	0°F.	-10°F.	-15°F.	-20°F.	-25°F.	-30°F.	-40°F.
CZ*020L6	ZF06K4E	11060	8950	7980	7090	6280	5560	4370
CZ*025L6	ZF08K4E	13870	11240	10040	8930	7910	6990	5500
CZ*030L6	ZF09K4E	15180	12450	11190	10000	8890	7870	6150
CZ*035L6	ZF11K4E	18390	15110	13590	12150	10820	9600	7520
CZ*045L6	ZF13K4E	22370	18230	16320	14550	12910	11430	8950
CZ*055L6	ZF15K4E	27430	22370	20050	17880	15580	14050	11000
CZ*060L6	ZF18K4E	32190	26240	23490	20920	18550	16400	12800

CZ*020L6	ZF06K4E	10840	8770	7820	6950	6150	5450	4280
CZ*025L6	ZF08K4E	13590	11020	9840	8750	7750	6850	5390
CZ*030L6	ZF09K4E	14880	12200	10970	9800	8710	7710	6030
CZ*035L6	ZF11K4E	18020	14810	13320	11910	10600	9410	7370
CZ*045L6	ZF13K4E	21920	17870	15990	14260	12650	11200	8770
CZ*055L6	ZF15K4E	26880	21920	19650	17520	15270	13770	10780
CZ*060L6	ZF18K4E	31550	25720	23020	20500	18180	16070	12540

CZ*020L6	ZF06K4E	10290	8320	7420	6590	5840	5170	4060
CZ*025L6	ZF08K4E	12900	10450	9340	8310	7360	6500	5120
CZ*030L6	ZF09K4E	14120	11580	10410	9300	8270	7320	5720
CZ*035L6	ZF11K4E	17100	14050	12640	11300	10060	8930	6990
CZ*045L6	ZF13K4E	20800	16950	15180	13530	12010	10630	8320
CZ*055L6	ZF15K4E	25510	20800	18650	16630	14490	13070	10230
CZ*060L6	ZF18K4E	29940	24400	21850	19460	17250	15250	11900

* = T for Outdoor, N for Indoor, S for Beacon II™

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.

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.		
CZ*020M6	C	ZS15K4E	1/2	7/8	14	2	28.25	37.75	19.75	209	71
CZ*025M6	C	ZS19K4E	1/2	7/8	14	2	28.25	37.75	19.75	218	73
CZ*030M6	D	ZS21K4E	1/2	7/8	20	1	30.25	42.5	29.75	287	72
CZ*035M6	D	ZS26K4E	1/2	7/8	20	1	30.25	42.5	29.75	290	74
CZ*045M6	D	ZS30K4E	1/2	1 1/8	20	1	30.25	42.5	29.75	317	73
CZ*055M6	D	ZS38K4E	1/2	1 1/8	20	1	30.25	42.5	29.75	317	74
CZ*060M6	D	ZS45K43	1/2	1 1/8	20	1	30.25	42.5	29.75	317	76

CZ*020L6	C	ZF06K4E	1/2	7/8	14	2	28.25	37.75	19.75	209	71
CZ*025L6	C	ZF08K4E	1/2	7/8	14	2	28.25	37.75	19.75	218	73
CZ*030L6	C	ZF09K4E	1/2	7/8	14	2	28.25	37.75	19.75	218	71
CZ*035L6	C	ZF11K4E	1/2	7/8	14	2	28.25	37.75	19.75	217	73
CZ*045L6	D	ZF13K4E	1/2	1 1/8	20	1	30.25	42.5	29.75	307	73
CZ*055L6	D	ZF15K4E	1/2	1 1/8	20	1	30.25	42.5	29.75	313	74
CZ*060L6	D	ZF18K4E	1/2	1 1/8	20	1	30.25	42.5	29.75	317	76

* = T for Outdoor, N for Indoor, S for Beacon II™

++ = 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	Defrost Heater
		Volts	Ph	Hz†	RLA	LRA	Qty.	HP	FLA	Air	Elec.	Air	Elec.	Amps	Amps
CZ*020M6B	ZS15K4E-PFV	208-230	1	60	12.2	61	2	1/15	1	20	38	25	40	12	30
CZ*020M6C	ZS15K4E-TF5	208-230	3	60	8.3	55	2	1/15	1	15	24	15	25	9	19
CZ*020M6D	ZS15K4E-TFD	460	3	60	3.8	27	2	1/15	1	15	24	15	25	^	^
CZ*025M6B	ZS19K4E-PFV	208-230	1	60	14.7	73	2	1/15	1	20	38	30	45	12	30
CZ*025M6C	ZS19K4E-TF5	208-230	3	60	8.7	63	2	1/15	1	15	29	20	30	11	23
CZ*025M6D	ZS19K4E-TFD	460	3	60	4.5	31	2	1/15	1	15	24	15	25	^	^
CZ*030M6B	ZS21K4E-PFV	208-230	1	60	14.7	88	1	1/3	3.5	22	38	35	45	12	30
CZ*030M6C	ZS21K4E-TF5	208-230	3	60	9.9	77	1	1/3	3.5	20	38	25	40	12	30
CZ*030M6D	ZS21K4E-TFD	460	3	60	5.1	39	1	1/3	1.9	15	24	15	25	^	^
CZ*035M6B	ZS26K4E-PFV	208-230	1	60	18.6	109	1	1/3	3.5	27	39	45	50	12	30
CZ*035M6C	ZS26K4E-TF5	208-230	3	60	12.2	88	1	1/3	3.5	20	38	30	40	12	30
CZ*035M6D	ZS26K4E-TFD	460	3	60	6.4	44	1	1/3	1.9	15	24	15	25	^	^
CZ*045M6B	ZS30K4E-PFV	208-230	1	60	24.0	129	1	1/3	3.5	34	59	50	60	11	47
CZ*045M6C	ZS30K4E-TF5	208-230	3	60	13.5	99	1	1/3	3.5	20	44	30	45	12	35
CZ*045M6D	ZS30K4E-TFD	460	3	60	7.4	49.5	1	1/3	1.9	15	29	15	30	11	23
CZ*055M6B	ZS38K4E-PFV	208-230	1	60	28.8	169	1	1/3	3.5	40	59	50	60	12	47
CZ*055M6C	ZS38K4E-TF5	208-230	3	60	19.2	123	1	1/3	3.5	28	44	45	50	12	35
CZ*055M6D	ZS38K4E-TFD	460	3	60	8.7	62	1	1/3	1.9	15	29	20	30	10	23
CZ*060M6C	ZS45K4E-TF5	208-230	3	60	21.5	156	1	1/3	3.5	30	42	50	60	12	30
CZ*060M6D	ZS45K4E-TFD	460	3	60	8.3	70	1	1/3	1.9	15	29	20	30	10.6	23

CZ*020L6B	ZF06K4E-PFV	208-230	1	60	12.2	61	2	1/15	1	20	38	25	40	12	30
CZ*020L6C	ZF06K4E-TF5	208-230	3	60	8.3	55	2	1/15	1	15	24	15	25	9	19
CZ*020L6D	ZF06K4E-TFD	460	3	60	3.8	27	2	1/15	1	15	24	15	25	^	^
CZ*025L6B	ZF08K4E-PFV	208-230	1	60	14.7	73	2	1/15	1	20	38	30	45	12	30
CZ*025L6C	ZF08K4E-TF5	208-230	3	60	8.7	63	2	1/15	1	15	29	20	30	11	23
CZ*025L6D	ZF08K4E-TFD	460	3	60	4.5	31	2	1/15	1	15	24	15	25	^	^
CZ*030L6B	ZF09K4E-PFV	208-230	1	60	14.7	88	2	1/15	1	20	38	30	45	12	30
CZ*030L6C	ZF09K4E-TF5	208-230	3	60	9.9	77	2	1/15	1	15	24	20	25	6	19
CZ*030L6D	ZF09K4E-TFD	460	3	60	5.1	39	2	1/15	1	15	15	15	15	^	^
CZ*035L6B	ZF11K4E-PFV	208-230	1	60	18.6	109	2	1/15	1	24	38	40	50	12	30
CZ*035L6C	ZF11K4E-TF5	208-230	3	60	12.2	88	2	1/15	1	20	29	25	30	6	23
CZ*035L6D	ZF11K4E-TFD	460	3	60	6.4	44	2	1/15	1	15	15	15	15	^	^
CZ*045L6B	ZF13K4E-PFV	208-230	1	60	24.0	129	1	1/3	3.5	34	59	50	60	11	30
CZ*045L6C	ZF13K4E-TF5	208-230	3	60	13.5	99	1	1/3	3.5	20	38	30	40	11	30
CZ*045L6D	ZF13K4E-TFD	460	3	60	7.4	49.5	1	1/3	1.9	15	24	15	25	9	19
CZ*055L6B	ZF15K4E-PFV	208-230	1	60	28.8	169	1	1/3	3.5	40	59	50	60	10	30
CZ*055L6C	ZF15K4E-TF5	208-230	3	60	19.2	123	1	1/3	3.5	28	44	45	50	10	30
CZ*055L6D	ZF15K4E-TFD	460	3	60	8.7	62	1	1/3	1.9	15	24	20	25	8	19
CZ*060L6C	ZF18K4E-TF5	208-230	3	60	21.5	156	1	1/3	3.5	30	44	50	60	12	35
CZ*060L6D	ZF18K4E-TFD	460	3	60	8.3	70	1	1/3	1.9	15	29	20	30	11	23

* = T for Outdoor, N for Indoor, S for Beacon II™

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.

Performance Data - High Temp. Models - Semi-hermetic Compressors

R-22		Capacity BTU/HR @ 90°F. Ambient Suction Temperature °F.					
Model	Compressor	40°F.	30°F.	25°F.	20°F.	10°F.	0°F.
CS*005H2	HAG-0050	6050	5060	4610	4160	3350	—
CS*008H2	KAN-0075	9610	7970	7200	6470	5160	—
CS*008M2	KAE-0075	—	—	8230	7430	5970	4740
CS*010H2	KAR-0100	12910	10670	9630	8630	6830	—
CS*010M2	KAM-0100	—	—	11120	10050	8080	6440
CS*015H2	KAG-0150	16990	13880	12720	11440	9120	—
CS*020H2	ERA-0200	22890	18840	16860	14900	11180	—
CS*020M2	KAK-0200	—	—	17190	15510	12450	9880
CS*021M2	ERC-0200	—	—	18350	16650	13520	10850
CS*029M2	ERF-0310	—	—	25570	23190	18860	15330
CS*030H2	ERF-0310	37070	30820	27870	25100	20160	—
CS*030M2	3RA-0310	—	—	33580	30500	24870	20210
CS*040H2	NRB-0400	53390	44650	40510	36580	29500	—
CS*050H2	NRA-0500	60490	51020	46480	42120	34180	—
CS*050M2	NRM-0500	—	—	53650	48780	39810	32400

R-22		Capacity BTU/HR @ 95°F. Ambient Suction Temperature °F.					
Model	Compressor	40°F.	30°F.	25°F.	20°F.	10°F.	0°F.
CS*005H2	HAG-0050	5820	4870	4430	4000	3220	—
CS*008H2	KAN-0075	9240	7660	6920	6220	4960	—
CS*008M2	KAE-0075	—	—	7910	7140	5740	4560
CS*010H2	KAR-0100	12410	10260	9260	8300	6570	—
CS*010M2	KAM-0100	—	—	10690	9660	7770	6190
CS*015H2	KAG-0150	16340	13350	12230	11000	8770	—
CS*020H2	ERA-0200	22010	18120	16210	14330	10750	—
CS*020M2	KAK-0200	—	—	16530	14910	11970	9500
CS*021M2	ERC-0200	—	—	17640	16010	13000	10430
CS*029M2	ERF-0310	—	—	24720	22400	18200	14760
CS*030H2	ERF-0310	35640	29630	26800	24130	19380	—
CS*030M2	3RA-0310	—	—	32290	29330	23910	19430
CS*040H2	NRB-0400	51340	42930	38950	35170	28370	—
CS*050H2	NRA-0500	58160	49060	44690	40500	32870	—
CS*050M2	NRM-0500	—	—	51590	46900	38280	31150

R-22		Capacity BTU/HR @ 100°F. Ambient Suction Temperature °F.					
Model	Compressor	40°F.	30°F.	25°F.	20°F.	10°F.	0°F.
CS*005H2	HAG-0050	5590	4680	4250	3840	3090	—
CS*008H2	KAN-0075	8870	7350	6640	5970	4760	—
CS*008M2	KAE-0075	—	—	7590	6850	5510	4380
CS*010H2	KAR-0100	11910	9850	8890	7970	6310	—
CS*010M2	KAM-0100	—	—	10260	9270	7460	5940
CS*015H2	KAG-0150	15690	12820	11740	10560	8420	—
CS*020H2	ERA-0200	21130	17400	15560	13760	10320	—
CS*020M2	KAK-0200	—	—	15870	14310	11490	9120
CS*021M2	ERC-0200	—	—	16930	15370	12480	10010
CS*029M2	ERF-0310	—	—	23850	21610	17530	14200
CS*030H2	ERF-0310	34210	28450	25720	23160	18600	—
CS*030M2	3RA-0310	—	—	31000	28150	22950	18660
CS*040H2	NRB-0400	49290	41210	37390	33760	27240	—
CS*050H2	NRA-0500	55830	47100	42900	38880	31560	—
CS*050M2	NRM-0500	—	—	49530	45020	36750	29910

R-22		Capacity BTU/HR @ 110°F. Ambient Suction Temperature °F.					
Model	Compressor	40°F.	30°F.	25°F.	20°F.	10°F.	0°F.
CS*005H2	HAG-0050	5120	4290	3900	3520	2830	—
CS*008H2	KAN-0075	8130	6740	6090	5470	4360	—
CS*008M2	KAE-0075	—	—	6960	6280	5050	4010
CS*010H2	KAR-0100	10920	9030	8150	7300	5780	—
CS*010M2	KAM-0100	—	—	9410	8500	6840	5450
CS*015H2	KAG-0150	14380	11750	10760	9680	7720	—
CS*020H2	ERA-0200	19370	15950	14260	12610	9460	—
CS*020M2	KAK-0200	—	—	14550	13120	10530	8360
CS*021M2	ERC-0200	—	—	15520	14090	11440	9180
CS*029M2	ERF-0310	—	—	22150	20040	16210	13080
CS*030H2	ERF-0310	31370	26070	23580	21240	17050	—
CS*030M2	3RA-0310	—	—	28420	25810	21040	17100
CS*040H2	NRB-0400	45180	37780	34280	30950	24970	—
CS*050H2	NRA-0500	51180	43180	39320	35640	28930	—
CS*050M2	NRM-0500	—	—	45400	41270	33690	27420

SEMI-HERMETIC COMPRESSORS

Performance Data - Medium Temp. Models - Semi-hermetic Compressors

R-404A/507		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.
CS*005M6	HAI-005E	5420	4960	4440	3930	3460	3060	2690
CS*010M6	KAR-010E	10140	9370	8480	7600	6770	5990	5290
CS*020M6	KAK-020E	16890	15110	13590	12260	11070	9940	8690
CS*021M6	ERC-021E	20860	19650	17590	15940	14160	12490	10870
CS*030M6	ERF-031E	30880	28310	25730	23180	20690	18260	15950
CS*040M6	NRB-040E	40810	37350	33810	30250	26730	23250	19900

R-404A/507		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.
CS*005M6	HAI-005E	5210	4770	4270	3780	3330	2940	2590
CS*010M6	KAR-010E	9750	9010	8150	7310	6510	5760	5090
CS*020M6	KAK-020E	16240	14530	13070	11790	10640	9560	8360
CS*021M6	ERC-021E	20060	18890	16910	15330	13620	12010	10450
CS*030M6	ERF-031E	29690	27220	24740	22290	19890	17560	15340
CS*040M6	NRB-040E	39240	35910	32510	29090	25700	22360	19130

R-404A/507		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.
CS*005M6	HAI-005E	5000	4580	4100	3630	3200	2820	2490
CS*010M6	KAR-010E	9360	8650	7820	7020	6250	5530	4890
CS*020M6	KAK-020E	15590	13950	12550	11320	10210	9180	8030
CS*021M6	ERC-021E	19260	18130	16230	14720	13080	11530	10030
CS*030M6	ERF-031E	28500	26130	23750	21400	19090	16860	14730
CS*040M6	NRB-040E	37670	34470	31210	27930	24670	21470	18360

R-404A/507		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.
CS*005M6	HAI-005E	4580	4200	3760	3330	2930	2590	2280
CS*010M6	KAR-010E	8580	7930	7170	6430	5730	5070	4480
CS*020M6	KAK-020E	14290	12790	11500	10380	9360	8410	7360
CS*021M6	ERC-021E	17650	16620	14880	13490	11990	10570	9200
CS*030M6	ERF-031E	26130	23950	21770	19620	17500	15450	13500
CS*040M6	NRB-040E	34530	31600	28610	25600	22620	19680	16830

* = T for Outdoor, N for Indoor, S for Beacon II™

Performance Data - Low Temp. Models - Semi-hermetic Compressors

R-404A/507		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.
CS*005L6	KAN-005E	3530	3150	2760	2050	1720	1420	930
CS*008L6	KAM-007E	6010	5360	4730	3570	3050	2580	1820
CS*010L6	KAJ-010E	7770	6990	6240	4830	4190	3610	2640
CS*015L6	KAL-015E	11780	10600	9470	7340	6370	5500	4020
CS*020L6	EAD-020E	13780	12290	10860	8260	7120	6100	4470
CS*021L6	EAV-021E	15120	13660	12200	9420	8140	6980	5160
CS*027L6	3AB-031E	17670	15860	14110	10870	9420	8100	5940
CS*030L6	LAH-032E	22600	20320	18090	13810	11830	9970	6780
CS*030E6	LAC-032E				16780	14570	12540	9010
CS*040L6	NRD-040E^	29660	26750	23910	18490	15980	13640	9480
	NRD-032E^^							

R-404A/507		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.
CS*005L6	KAN-005E	3310	2940	2580	1900	1580	1300	830
CS*008L6	KAM-007E	5520	4900	4320	3280	2810	2390	1620
CS*010L6	KAJ-010E	7220	6480	5790	4520	3940	3390	2440
CS*015L6	KAL-015E	10960	9930	8920	6990	6110	5300	3930
CS*020L6	EAD-020E	12530	11160	9870	7520	6490	5560	3980
CS*021L6	EAV-021E	13920	12600	11280	8780	7610	6520	4590
CS*027L6	3AB-031E	16640	14890	13210	10100	8710	7450	5420
CS*030L6	LAH-032E	21310	19100	16930	12800	10880	9100	6040
CS*030E6	LAC-032E				15700	13550	11580	8270
CS*040L6	NRD-040E^	28090	25280	22530	17300	14860	12590	8630
	NRD-032E^^							

R-404A/507		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.
CS*005L6	KAN-005E	3100	2760	2400	1750	1450	1170	750
CS*008L6	KAM-007E	5290	4680	4100	3020	2540	2100	1400
CS*010L6	KAJ-010E	6900	6180	5470	4160	3570	3030	2150
CS*015L6	KAL-015E	10520	9460	8410	6440	5540	4700	3300
CS*020L6	EAD-020E	12140	10730	9400	6970	5920	4980	3530
CS*021L6	EAV-021E	13390	12110	10810	8260	7060	5940	4050
CS*027L6	3AB-031E	15620	13940	12320	9330	8000	6800	4900
CS*030L6	LAH-032E	20020	17890	15790	11790	9940	8230	5300
CS*030E6	LAC-032E				14630	12530	10640	7540
CS*040L6	NRD-040E^	26520	23810	21160	16100	13750	11560	7720
	NRD-032E^^							

R-404A/507		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.
CS*005L6	KAN-005E	2680	2360	2030	1440	1160	900	520
CS*008L6	KAM-007E	4560	4010	3470	2480	2030	1620	970
CS*010L6	KAJ-010E	6040	5370	4720	3510	2960	2470	1660
CS*015L6	KAL-015E	9290	8320	7370	5560	4710	3930	2580
CS*020L6	EAD-020E	10510	9210	7950	6000	4720	3880	2610
CS*021L6	EAV-021E	11670	10570	9450	7130	5990	4900	2950
CS*027L6	3AB-031E	13590	12040	10540	7800	6590	5520	3870
CS*030L6	LAH-032E	17480	15490	13530	9800	8080	6490	3750
CS*030E6	LAC-032E				12510	10510	8760	6090
CS*040L6	NRD-040E^	23410	20900	18440	13740	11550	9500	5880
	NRD-032E^^							

^ NRD1-040E Compressor is Single Phase & uses R-404A only.

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

Performance Data - Low Temp. Models - Semi-hermetic Compressors

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.
CS*005L2	KAN-0050	3710	3240	2800	2020	1680	1340	810
CS*008L2	KAM-0075	5890	5230	4610	3490	3000	2560	1850
CS*010L2	KAJ-0100	7250	6460	5710	4330	3730	3190	2330
CS*020L2	EAD-0200	12580	11130	9740	7210	6090	6000	3090
CS*021L2	EAV-0210	14910	13160	11500	8550	7300	6150	4580
CS*030L2	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.
CS*005L2	KAN-0050	3480	3030	2560	1800	1520	1180	650
CS*008L2	KAM-0075	5880	4970	4560	3430	2820	2470	1690
CS*010L2	KAJ-0100	7280	6150	5630	4260	3500	3150	2140
CS*020L2	EAD-0200	12530	10480	9580	6920	5600	4700	2700
CS*021L2	EAV-0210	14330	12500	11010	8140	6820	5840	4200
CS*030L2	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.
CS*005L2	KAN-0050	3300	2860	2450	1700	1420	1110	590
CS*008L2	KAM-0075	5370	4750	4170	3110	2640	2220	1540
CS*010L2	KAJ-0100	6590	5850	5140	3850	3270	2760	1940
CS*020L2	EAD-0200	11350	9950	8620	6220	5180	4240	2350
CS*021L2	EAV-0210	13640	11970	10400	7610	6410	5380	3860
CS*030L2	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.
CS*005L2	KAN-0050	2900	2480	2100	1380	1050	760	280
CS*008L2	KAM-0075	4850	4280	3730	2730	2290	1890	1220
CS*010L2	KAJ-0100	5940	5240	4580	3360	2810	2330	1530
CS*020L2	EAD-0200	10110	8780	7530	5250	4270	2380	1590
CS*021L2	EAV-0210	12370	10790	9310	6650	5480	4560	3120
CS*030L2	LAH-0310	17200	15150	13160	9440	7760	6240	3250

* = T for Outdoor, N for Indoor, S for Beacon II™

Unit Specifications - Semi-hermetic Compressors

Model Number	Fig. ++	Compressor	Connections (ID)		Receiver 90% Full		Dimensions			Net Wt. Lbs.	Sound Data dba [†]
			Liquid	Suction	Lbs.	Fan(s)	D In.	W In.	H In.		
CS*005H2	A	HAG-0050	3/8	1/2	6	1	28.25	23.75	17.25	161	66
CS*008H2	A	KAN-0075	3/8	5/8	6	1	28.25	23.75	17.25	180	66
CS*008M2	A	KAE-0075	3/8	5/8	6	1	28.25	23.75	17.25	180	66
CS*010H2	A	KAR-0100	3/8	5/8	6	1	28.25	23.75	17.25	175	66
CS*010M2	A	KAM-0100	3/8	5/8	6	1	28.25	23.75	17.25	178	66
CS*015H2	B	KAG-0150	3/8	7/8	10	2	28.25	37.75	17.25	221	69
CS*020H2	B	ERA-0200	3/8	7/8	10	2	28.25	37.75	17.25	293	69
CS*020M2	B	KAK-0200	3/8	7/8	10	2	28.25	37.75	17.25	189	69
CS*021M2	B	ERC-0200	3/8	7/8	10	2	28.25	37.75	17.25	301	69
CS*029M2	C	ERF-0310	1/2	7/8	16	2	28.25	37.75	19.75	391	69
CS*030H2	D	ERF-0310	1/2	7/8	22	1	30.25	42.5	29.75	385	70
CS*030M2	D	3RA-0310	1/2	7/8	22	1	30.25	42.5	29.75	397	71
CS*040H2	D	NRB-0400	1/2	1 1/8	22	1	30.25	42.5	29.75	460	71
CS*050H2	D	NRA-0500	1/2	1 1/8	22	1	30.25	42.5	29.75	462	71
CS*050M2	D	NRM-0500	1/2	1 1/8	22	1	30.25	42.5	29.75	462	71

CS*005M6	A	HAJ-005E	3/8	1/2	5.5	1	28.25	23.75	17.25	161	66
CS*010M6	A	KAR-010E	3/8	5/8	5.5	1	28.25	23.75	17.25	178	67
CS*020M6	B	KAK-020E	3/8	7/8	9	2	28.25	37.75	17.25	189	69
CS*021M6	B	ERC-021E	3/8	7/8	9	2	28.25	37.75	17.25	301	70
CS*030M6	D	ERF-031E	1/2	7/8	20	1	30.25	42.5	29.75	397	71
CS*040M6	D	NRB-040E	1/2	1 1/8	20	1	30.25	42.5	29.75	460	73

CS*005L2	A	KAN-0050	3/8	1/2	6	1	28.25	23.75	17.25	172	67
CS*008L2	A	KAM-0075	3/8	5/8	6	1	28.25	23.75	17.25	172	67
CS*010L2	A	KAJ-0100	3/8	5/8	6	1	28.25	23.75	17.25	175	67
CS*020L2	B	EAD-0200	3/8	7/8	10	2	28.25	37.75	17.25	298	70
CS*021L2	B	EAV-0210	3/8	7/8	10	2	28.25	37.75	17.25	301	70
CS*030L2	C	LAH-0311	1/2	7/8	16	2	28.25	37.75	19.75	347	71

CS*005L6	A	KAN-005E	3/8	1/2	5.5	1	28.25	23.75	17.25	172	67
CS*008L6	A	KAM-007E	3/8	5/8	5.5	1	28.25	23.75	17.25	172	67
CS*010L6	A	KAJ-010E	3/8	5/8	5.5	1	28.25	23.75	17.25	178	67
CS*015L6	B	KAL-015E	3/8	7/8	9	2	28.25	37.75	17.25	225	69
CS*020L6	B	EAD-020E	3/8	7/8	9	2	28.25	37.75	17.25	291	70
CS*021L6	B	EAV-021E	3/8	7/8	9	2	28.25	37.75	17.25	301	70
CS*027L6	C	3AB-031E	1/2	7/8	14	2	28.25	37.75	19.75	391	71
CS*030L6	C	LAH-032E	1/2	7/8	14	2	28.25	37.75	19.75	357	71
CS*030E6	C	LAC-032E	1/2	7/8	14	2	28.25	37.75	19.75	391	71
CS*040L6	D	NRD-032/040E	1/2	1 1/8	20	1	30.25	42.5	29.75	457	73

* = T for Outdoor, N for Indoor, S for Beacon II™

++ = 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 - Medium Temperature - 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.			
CS*005H2B	HAG2-0050-CAV	208-230	1	60	3.6	22.0	1	1/15	0.5	15	20	15	20	9	15	
CS*005H2C	HAG1-0050-TAC	208-230	3	60	2.1	13.0	1	1/15	0.5	15	20	15	20	9.5	15	
CS*008H2B	KAN2-0075-CAV	208-230	1	60	5.4	36.0	1	1/15	0.5	15	20	15	20	8	15	
CS*008H2C	KAN1-0075-TAC	208-230	3	60	3.1	19.9	1	1/15	0.5	15	20	15	20	9	15	
CS*008M2B	KAE2-0075-CAV	208-230	1	60	4.9	36.0	1	1/15	0.5	15	20	15	20	8	15	
CS*008M2C	KAE1-0075-TAC	208-230	3	60	3.0	19.9	1	1/15	0.5	15	20	15	20	9	15	
CS*010H2B	KAR2-0100-CAV	208-230	1	60	6.6	40.0	1	1/15	0.5	15	20	15	20	7	15	
CS*010H2C	KAR1-0100-TAC	208-230	3	60	3.8	27.0	1	1/15	0.5	15	20	15	20	9	15	
CS*010M2B	KAM2-0100-CAV	208-230	1	60	6.7	40.0	1	1/15	0.5	15	20	15	20	7	15	
CS*010M2C	KAM1-0100-TAC	208-230	3	60	4.0	27	1	1/15	0.5	15	20	15	20	9	15	
CS*015H2B	KAGB-0150-CAV	208-230	1	60	8.6	55.0	2	1/15	1.0	15	24	20	25	9	19	
CS*015H2C	KAGA-0150-TAC	208-230	3	60	4.9	35.5	2	1/15	1.0	15	20	15	20	8	15	
CS*015H2D	KAGA-0150-TAD	460	3	60	2.2	18.2	2	1/15	1.0	15	20	15	20	^	^	
CS*020H2G	ERA2-0200-CAB	230	1	60	9.3	58.0	2	1/15	1.0	15	24	20	25	6	19	
CS*020H2C	ERA1-0200-TAC	208-230	3	60	5.9	46.0	2	1/15	1.0	15	24	15	25	9	19	
CS*020H2D	ERA1-0200-TAD	460	3	60	3.1	46.0	2	1/15	1.0	15	20	15	20	^	^	
CS*020M2B	KAKB-0200-CAV	208-230	1	60	9.5	55.0	2	1/15	1.0	15	24	20	25	6	19	
CS*020M2C	KAKA-0200-TAC	208-230	3	60	6.1	50.0	2	1/15	1.0	15	24	15	25	9	19	
CS*021M2G	ERC2-0200-CAB	230	1	60	9.7	58.0	2	1/15	1.0	15	24	20	25	6	19	
CS*021M2C	ERC1-0200-TAC	208-230	3	60	6.1	46.0	2	1/15	1.0	15	24	15	25	9	19	
CS*021M2D	ERC1-0200-TAD	460	3	60	3.3	23.0	2	1/15	1.0	15	20	15	20	^	^	
CS*029M2G	ERF2-0310-CAB	230	1	60	15.6	86.0	2	1/15	1.0	21	38	35	45	12	30	
CS*029M2C	ERF1-0311-TAC	208-230	3	60	11.2	82.0	2	1/15	1.0	15	29	25	35	12	23	
CS*029M2D	ERFI-0311-TAD	460	3	60	5.2	41.0	2	1/15	1.0	15	15	15	25	^	^	
CS*030H2G	ERF2-0310-CAB	230	1	60	15.6	86.0	1	1/3	3.5	23	38	35	50	12	30	
CS*030H2C	ERF1-0311-TAC	208-230	3	60	11.2	82.0	1	1/3	3.5	20	38	25	40	12	30	
CS*030H2D	ERF1-0311-TAD	460	3	60	5.2	41.0	1	1/3	1.9	15	24	15	25	^	^	
CS*030M2G	3RA2-0310-CAB	230	1	60	16.0	86.0	1	1/3	3.5	24	38	35	50	12	30	
CS*030M2C	3RA1-0311-TAC	208-230	3	60	12.7	82.0	1	1/3	3.5	20	38	30	40	12	30	
CS*030M2D	3RA1-0311-TAD	460	3	60	5.6	41.0	1	1/3	1.9	15	24	15	25	^	^	
CS*040H2C	NRB2-0400-TFC	208-230	3	60	19.6	141.0	1	1/3	3.5	28	40	45	50	12	30	
CS*040H2D	NRB2-0400-TFD	460	3	60	10.1	62.5	1	1/3	1.9	15	29	20	35	12	23	
CS*050H2C	NRA3-0500-TFC	208-230	3	60	17.2	141.0	1	1/3	3.5	25	38	40	50	12	30	
CS*050H2D	NRA3-0500-TFD	460	3	60	8.7	62.5	1	1/3	1.9	15	29	20	35	12	23	
CS*050M2C	NRM1-0500-TFC	208-230	3	60	21.8	141.0	1	1/3	3.5	31	43	50	60	12	32	
CS*050M2D	NRM1-0500-TFD	460	3	60	10.8	62.5	1	1/3	1.9	15	29	25	35	12	23	
CS*005M6B	HAJB-005E-CAV	208-230	1	60	3.3	22.0	1	1/15	0.5	15	20	15	20	9	15	
CS*010M6B	KARB-010E-CAV	208-230	1	60	6.4	40.0	1	1/15	0.5	15	20	15	20	7	15	
CS*010M6C	KARA-010E-TAC	208-230	3	60	3.8	27	1	1/15	0.5	15	20	15	20	9	15	
CS*020M6B	KAKB-021E-CAV	208-230	1	60	9.1	55.0	2	1/15	1.0	15	24	20	25	6	19	
CS*020M6C	KAKA-020E-TAC	208-230	3	60	5.8	50.0	2	1/15	1.0	15	24	15	25	9	19	
CS*021M6C	ERCA-021E-TAC	208-230	3	60	7.9	46	2	1/15	1.0	15	24	15	25	9	19	
CS*021M6D	ERCA-020E-TAD	460	3	60	3.1	23	2	1/15	1.0	15	20	15	20	^	^	
CS*030M6G	ERFB-031E-CAB	230	1	60	15.3	86.0	1	1/3	3.5	23	38	35	45	12	30	
CS*030M6C	ERFA-031E-TAC	208-230	3	60	11.2	82.0	1	1/3	3.5	20	38	25	40	12	30	
CS*030M6D	ERFA-031E-TAD	460	3	60	5.2	41.0	1	1/3	1.9	15	24	15	25	^	^	
CS*040M6C	NRB2-040E-TFC	208-230	3	60	19.6	141.0	1	1/3	3.5	28	40	45	50	12	30	
CS*040M6D	NRB2-040E-TFD	460	3	60	8.1	62.5	1	1/3	1.9	15	29	20	35	12	23	

* = T for Outdoor, N for Indoor, S for Beacon II™

^ 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.

Electrical Data - Low Temperature - 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.		
CS*005L2B	KANB-0050-CAV	208-230	1	60	3.2	24.0	1	1/15	0.5	15	20	15	20	9	15
CS*008L2B	KAMB-0075-CAV	208-230	1	60	5.1	36.0	1	1/15	0.5	15	20	15	20	8	15
CS*008L2C	KAMA-0075-TAC	208-230	3	60	2.9	19.9	1	1/15	0.5	15	20	15	20	9	15
CS*010L2B	KAJB-0100-CAV	208-230	1	60	6.2	40.0	1	1/15	0.5	15	20	15	20	8	15
CS*010L2C	KAJA-0101-TAC	208-230	3	60	4.0	27.0	1	1/15	0.5	15	20	15	20	9	15
CS*020L2G	EADB-0200-CAB	230	1	60	7.6	58.0	2	1/15	1.0	15	20	15	20	4	15
CS*020L2C	EADA-0200-TAC	208-230	3	60	6.1	46.0	2	1/15	1.0	15	20	15	20	7	15
CS*021L2B	EAVB-0210-CAV	208-230	1	60	13.2	102.0	2	1/15	1.0	20	29	30	30	4	23
CS*021L2C	EAVA-0210-TAC	208-230	3	60	6.6	50.0	2	1/15	1.0	15	20	15	20	7	15
CS*021L2D	EAVA-0210-TAD	460	3	60	3.5	26.6	2	1/15	1.0	15	20	15	20	^	^
CS*030L2G	LAHB-0311-CAB	230	1	60	14.9	93.0	2	1/15	1.0	20	38	30	45	12	30
CS*030L2C	LAHA-0310-TAC	208-230	3	60	7.8	82.0	2	1/15	1.0	15	24	15	25	9	19
CS*030L2D	LAHA-0310-TAD	460	3	60	4.6	41.0	2	1/15	1.0	15	15	15	15	^	^

CS*005L6B	KANB-005E-CAV	208-230	1	60	3.1	24.0	1	1/15	0.5	15	20	15	20	9	15
CS*005L6C	KANA-006E-TAC	208-230	3	60	2.0	13.2	1	1/15	0.5	15	20	15	20	9.6	15
CS*008L6B	KAMB-007E-CAV	208-230	1	60	5.1	36.0	1	1/15	0.5	15	20	15	20	8	15
CS*008L6C	KAMA-007E-TAC	208-230	3	60	2.9	19.9	1	1/15	0.5	15	20	15	20	9	15
CS*010L6B	KAJB-010E-CAV	208-230	1	60	6.2	40.0	1	1/15	0.5	15	20	15	20	8	15
CS*010L6C	KAJA-011E-TAC	208-230	3	60	4.1	27.0	1	1/15	0.5	15	20	15	20	9	15
CS*015L6B	KALB-015E-CAV	208-230	1	60	8.9	55.0	2	1/15	1.0	15	24	20	25	8	19
CS*015L6C	KALA-016E-TAC	208-230	3	60	6.0	50.0	2	1/15	1.0	15	20	15	20	7.6	15
CS*015L6D	KALA-016E-TAD	460	3	60	3.1	25.0	2	1/15	1.0	15	20	15	20	^	^
CS*020L6G	EADB-021E-CAB	230	1	60	9.0	58.0	2	1/15	1.0	15	24	20	25	4	19
CS*020L6C	EADA-020E-TAC	208-230	3	60	6.1	46.0	2	1/15	1.0	15	20	15	20	7	15
CS*021L6B	EAVB-021E-CAV	208-230	1	60	13.2	102.0	2	1/15	1.0	20	29	30	30	4	23
CS*021L6C	EAVA-021E-TAC	208-230	3	60	6.6	50.0	2	1/15	1.0	15	20	15	20	7	15
CS*021L6D	EAVA-021E-TAD	460	3	60	2.9	26.6	2	1/15	1.0	15	20	15	20	^	^
CS*027L6G	3ABB-032E-CAB	230	1	60	13.2	86.0	2	1/15	1.0	20	38	30	40	12	30
CS*027L6C	3ABA-031E-TAC	208-230	3	60	9.0	82.0	2	1/15	1.0	15	24	20	25	8	19
CS*027L6D	3ABA-031E-TAD	460	3	60	4.6	41.0	2	1/15	1.0	15	15	15	15	^	^
CS*030L6G	LAHB-032E-CAB	230	1	60	15.0	105.0	2	1/15	1.0	20	38	30	45	12	30
CS*030L6C	LAHA-032E-TAC	208-230	3	60	11.5	112.0	2	1/15	1.0	20	29	25	35	12	23
CS*030L6D	LAHA-032E-TAD	460	3	60	5.4	56.0	2	1/15	1.0	15	15	15	15	^	^
CS*030E6G	LACB-032E-CAB	230	1	60	13.9	105.0	2	1/15	1.0	20	38	30	40	12	30
CS*030E6C	LACA-032E-TAC	208-230	3	60	11.5	112.0	2	1/15	1.0	15	29	25	35	12	23
CS*030E6D	LACA-032E-TAD	460	3	60	5.4	56.0	2	1/15	1.0	15	15	15	15	^	^
CS*040L6G	NRD1-040E-CFB	230	1	60	24.9	115.0	1	1/3	3.5	35	44	50	60	10	30
CS*040L6C	NRD1-032E-TFC	208-230	3	60	14.6	82.0	1	1/3	3.5	22	38	35	45	12	30
CS*040L6D	NRD1-032E-TFD	460	3	60	7.6	41.0	1	1/3	1.9	15	24	15	25	9	19

* = T for Outdoor, N for Indoor, S for Beacon II™

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 25309002, 460/1	7173156, 22"



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

SEMI-HERMETIC COMPRESSORS

Dimensional Drawings

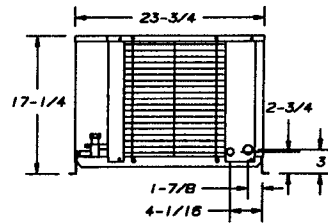
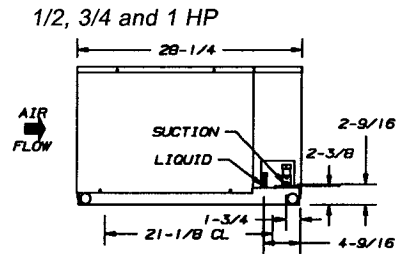
OUTDOOR

INDOOR

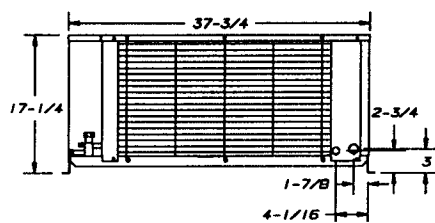
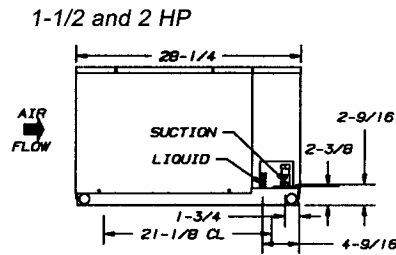
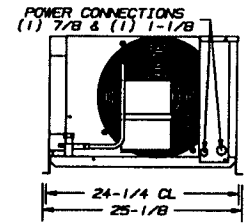
LEFT VIEW

FRONT VIEW

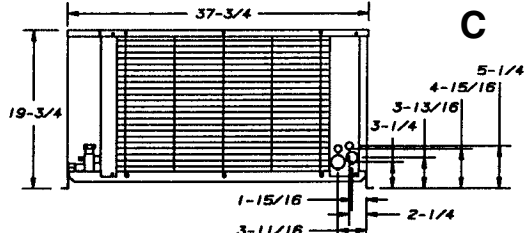
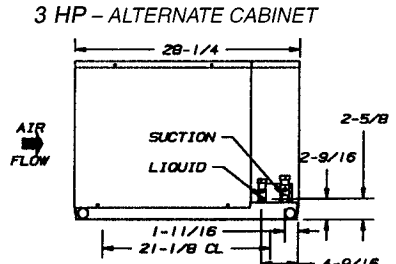
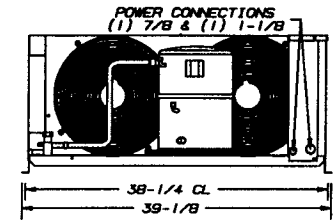
FRONT VIEW



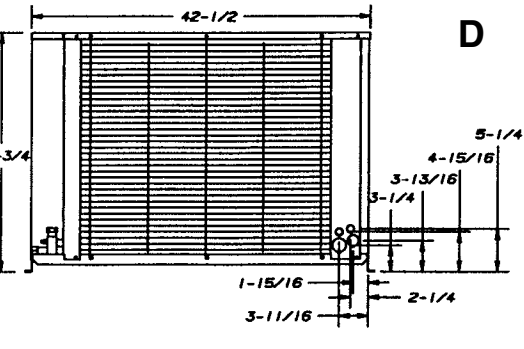
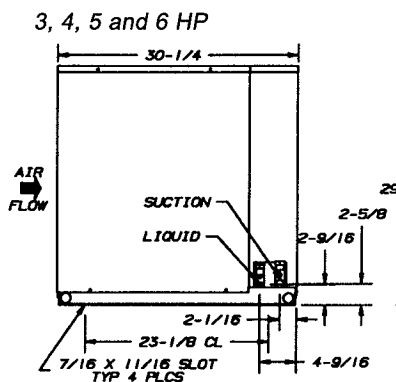
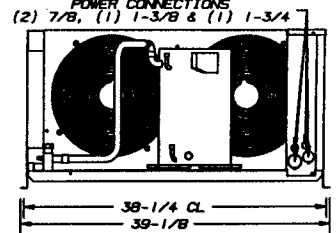
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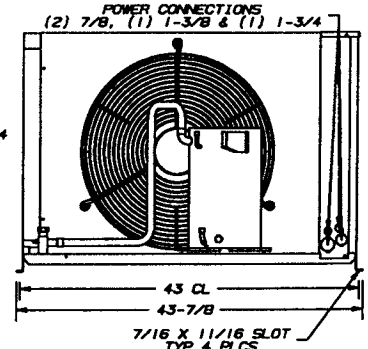
B



C



D



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