

REFPLUS[®]

TECHNICAL CATALOGUE



OEH



IEH

EVOLUTION SERIES

INCLUDES R-448A

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CLICK ON YOUR SELECTION BELOW TO QUICKLY NAVIGATE THROUGH THE CATALOGUE

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AIR COOLED CONDENSER

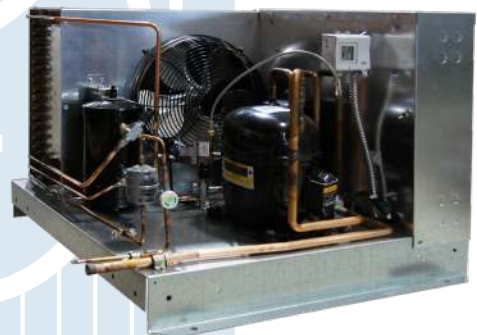
OUTDOOR AND INDOOR

OEH



- From 0.2 HP to 5 HP
- For high, medium and low temperature applications
- For outdoor use
- COPELAND Hermetic compressor

IEH



- From 0.2 HP to 5 HP
- For high, medium and low temperature applications
- For indoor use
- COPELAND Hermetic compressor

NOMENCLATURE

O E H 00 4 1 L 4 2

Unit Model

I = Indoor Air-Cooled
O = Outdoor Air-Cooled

Unit Type

E = Horizontal Discharge
Condensing Unit
Evolution Series

Compresseur Type

H = Hermetic

Size

Nominal Compressor HP

Size

Fractional Compressor HP

Compressor Brand

1 = Copeland

Application

H = High temperature
M = Medium temperature
E = Medium/Low temperature
L = Low temperature

Refrigerant Type

3 = R-134a
4 = R-404A / R-507A
6 = R-407A / R-407F
7 = R-407C
A = R-448A / R-449A

Unit Voltage

1 = 120/1/60
2 = 208-230/1/60
5 = 208-230/3/60
9 = 480/3/60
8 = 600/3/60

SPECIFICATIONS

CABINET

Air-cooled condensing unit bases, condenser fan sections, electrical boxes and OEH cabinets are heavy-gauge galvanized steel (G90) assembled with plated or stainless steel hardware for corrosion protection.

CONDENSER COILS

Condenser coils are manufactured with seamless, deoxidized, heavy wall and rifled mini copper tubes. They are mechanically expanded in self-spaced, deep sine wave full-collared aluminum plate fins for permanent bond and maximum heat transfer. Tube sheets are heavy-gauge aluminum for friction free assembly. Connections and bends are brazed with a high temperature brazing alloy. Coils are factory leak tested at 600 psig using -40°F/-40°C dew point dry air. All condenser coils are provided with a true sub-cooling circuit for improved capacity and higher system efficiency.

FAN GUARDS/MOTOR MOUNTS

Fan guards/motor mounts are welded wire construction for full protection from moving parts. Baked-on powder epoxy-coating provides corrosion protection.

FANS

Fans are aluminum, one piece, with a plated and spun steel hub, or aluminum blades riveted to a painted steel spider with a plated and spun steel hubs. They are statically and dynamically balanced for a smooth and vibration-free operation. Models IEH and OEH 005 to 010 use a 12" (305mm) fan, 013 to 025 use a 16" (406mm) fan, and 030 to 055 use a 20" (508mm) fan.

FAN MOTORS

Fan motors are low speed, permanently lubricated sealed ball bearings and inherent thermal protection for long life and dependable service. They are line voltage, single phase PSC type.

WIRING

Fan motors are wired with #18 AWG, 105°C, type SPT3 or AWM appliance wiring material. Compressors and controls are wired using water and oil resistant wire, type TEW 105°C, protected by plastic or metallic conduit, attached with certified connectors.

ELECTRICAL BOXES

Electrical boxes are located on the left side of the unit for easy access and service without opening the enclosure (OEH). They are weather protected and manufactured with heavy-gauge galvanized steel and assembled with plated or stainless steel hardware for corrosion protection.

CONTROL PANELS

Control panels are complete with terminal blocks, control transformers (when required), control circuit fuses, compressor/fan contactors, manual reset, non-adjustable high and automatic reset, adjustable low pressure controls, and a pump-down switch. The wires are numbered and color coded. All terminal blocks are identified and match the wiring diagram.

COMPRESSORS

Compressors are suction cooled, refrigeration or heat pump duty hermetic. They are supplied with line break thermal protection, crankcase heater (OEH), suction and discharge bracket valves with ¼" access fitting for fast vacuum and Polyol Ester oil for HFC/HFO refrigerant application.

RECEIVERS

Receivers are UL/CSA certified and are supplied with a fusible plug. All receivers have an outlet back-seated Rotalock valve. For a low ambient operation, RefPlus offers a factory installed insulation and heating option.

REFRIGERATION FLOODING VALVES

Non-adjustable refrigeration flooding valves (model OEH) are factory installed.

REFRIGERATION COPPER TUBES

Refrigeration copper tubes are ASTM certified, type ACR and are factory bent using a 3D programmable CNC tube bender. They are manufactured with the minimum number of fittings and brazed joints to reduce the risk of leaks.

FACTORY TESTS

All RefPlus units are electrically tested. A Dielectric Voltage Withstand Strength Test is done on all units. The compressors are energized, the operating sequence and all controls on each unit are factory tested. Refrigeration piping is leak tested using modern Hydrogen detection and the system is pressurized and sealed with 40 psig, -40°F/-40°C dew point dry air.

STANDARD FEATURES

- Heavy-gauge galvanized steel base
- Galvanized outdoor protective cabinet (OEH)
- Fixed head pressure flooding valve (OEH)
- True sub-cooling circuits integrated into the condenser coil
- Liquid receiver with a liquid isolating valve and fusible plug
- Discharge and suction isolation bracket valves with ¼" flare access for fast vacuum
- Low speed, PSC, direct-drive, ball bearings, thermally protected condenser fan motors
- Aluminum fan blade
- Baked-on powder epoxy coated fan guards/motor mounts
- Rubber-mounted, refrigeration or heat pump duty, hermetic compressors
- Crankcase heaters (OEH), electrical control panel complete with compressor/fan contactor, control transformer, pump-down switch, and terminal block
- Non-adjustable, manual reset, high pressure switch
- Adjustable, automatic reset, low pressure switch with flexible hose
- Fixed pressure fan cycling switch (for units with multiple fans) (OEH)
- 208-240/1/60 and 208/240/3/60 control circuit

SPECIAL FACTORY INSTALLED OPTIONS (REQUIRES EXTENDED CABINET)

- Liquid line kit: replaceable core liquid line drier and sight glass/moisture indicator (installed)
- Replaceable core suction filter
- Oil separator, recommended for -10°F/-23°C room and lower (IEH)
- Oil separator including check valve, insulation and heater, recommended for -10°F/-23°C room and lower (OEH)
- 3-pipe hot gas defrost kit, single evaporator
- 3-pipe hot gas defrost kit, multiple evaporators, (recommended with medium temperature application)
- Process chiller plate come with electronic EEV, suction accumulator and refrigerant charge

STANDARD FACTORY INSTALLED OPTIONS

- Low ambient kit: heated and insulated receiver
- Suction accumulator
- Compressor discharge check valve
- Liquid line kit: sealed liquid line drier and sight glass/moisture indicator (installed)
- Liquid line solenoid valve (shipped loose)
- Sealed suction filter
- Discharge and suction bracket valves with 3/8" flare access for ultra-fast vacuum
- Adjustable head pressure flooding valves
- Fixed or adjustable flooding valves (IEH)
- Compressor discharge thermostat (required for application over 105°F/40°C ambient)
- Fixed pressure fan cycling switch (for unit with multiple fans) (IEH)
- Non-fused disconnect switch
- Fused disconnect switch
- Adjustable dual pressure switch with flexible hoses
- Air defrost timer
- Low pressure bypass
- Standard electric defrost timer (evaporator must have the same power supply)
- Pilot duty electric defrost timer (dual power supply: 230v evaporator 480 or 600 condensing unit)
- Standard electric defrost kit complete with timer, heater and fan contactors, fuses and compressor/heaters interlock switch (evaporator must have the same power supply)
- Pilot duty electric defrost kit complete with timer, heater and fan contactors, fuses and compressor/heaters interlock switch (dual power supply: 230v evaporator 480 or 600 condensing units)
- ECM motors, one, two or variable speed
- 120/1/60 or 24/1/60 control circuit
- Mechanical hot gas bypass (evaporator must be ordered with a hot-gas tee)
- Electronic hot gas bypass (evaporator must be ordered with a hot-gas tee)
- Floating head pressure (California Title 24) adjustable flooding valve set at 70°F condensing and variable speed ECM condenser fan motor.

CAPACITY TABLE

IEH/OEH (002 TO 040) HIGH TEMPERATURE R-407C

COMPRESSOR MODEL	AMB. TEMP	CAPACITY (MBH)										LINE SIZE (IN)		RECEIVER CHARGE (LB)		REFRIGERANT CHARGE (LB)		STANDARD UNIT SHIPPING WEIGHT (LB)	
		SATURATED SUCTION TEMPERATURE (°F)																	
		10°F	15°F	20°F	25°F	30°F	35°F	40°F	45°F	50°F	SUCT.	LIQ.	STD.	OPT.	SUMMER	WINTER	OEH	IEH	
002-1H7 ASE12C4E	90°F	1.29	1.46	1.66	1.87	2.09	2.34	2.61	2.91	3.22	3/8	1/4	5.7	9.5	0.7	1.8	131	105	
	95°F	1.23	1.40	1.59	1.79	2.01	2.25	2.51	2.79	3.09									
	100°F	1.18	1.34	1.52	1.71	1.93	2.16	2.41	2.67	2.96									
	105°F	1.12	1.28	1.45	1.64	1.84	2.06	2.30	2.56	2.83									
	110°F	1.06	1.21	1.38	1.56	1.75	1.96	2.19	2.44	2.70									
003-1H7 ASE19C4E	90°F	1.80	2.04	2.31	2.6	2.92	3.26	3.63	4.03	4.45	3/8	1/4	5.7	9.5	0.7	1.8	132	106	
	95°F	1.72	1.95	2.21	2.49	2.8	3.13	3.48	3.86	4.27									
	100°F	1.64	1.86	2.11	2.38	2.67	2.99	3.33	3.69	4.09									
	105°F	1.56	1.78	2.01	2.27	2.55	2.85	3.18	3.53	3.90									
	110°F	1.48	1.69	1.91	2.16	2.43	2.72	3.03	3.36	3.71									
004-1H7 ASE32C3E	90°F	2.93	3.37	3.85	4.37	4.93	5.52	6.16	6.83	7.54	3/8	1/4	5.7	9.5	0.7	1.8	146	120	
	95°F	2.77	3.19	3.65	4.15	4.69	5.26	5.87	6.51	7.19									
	100°F	2.61	3.02	3.46	3.93	4.44	4.99	5.57	6.19	6.84									
	105°F	2.46	2.84	3.26	3.71	4.20	4.72	5.28	5.87	6.49									
	110°F	2.30	2.66	3.06	3.49	3.96	4.45	4.98	5.55	6.14									
007-1H7 RST45C1E	90°F	3.91	4.49	5.12	5.82	6.58	7.39	8.26	9.19	10.2	1/2	1/4	5.7	9.5	1.4	3.6	153	127	
	95°F	3.72	4.27	4.88	5.55	6.28	7.06	7.89	8.78	9.70									
	100°F	3.54	4.06	4.65	5.29	5.98	6.73	7.52	8.37	9.25									
	105°F	3.35	3.86	4.42	5.03	5.69	6.40	7.16	7.96	8.80									
	110°F	3.17	3.65	4.19	4.77	5.40	6.08	6.79	7.55	8.35									
008-1H7 RST55C1E	90°F	4.76	5.43	6.17	6.97	7.84	8.79	9.80	10.9	12.1	1/2	3/8	5.7	9.5	1.4	3.6	154	128	
	95°F	4.54	5.19	5.89	6.66	7.49	8.39	9.36	10.4	11.5									
	100°F	4.33	4.94	5.61	6.34	7.13	7.99	8.91	9.90	11.0									
	105°F	4.11	4.70	5.33	6.02	6.77	7.59	8.46	9.41	10.4									
	110°F	3.89	4.45	5.05	5.74	6.42	7.18	8.01	8.91	9.9									
009-1H7 RST64C1E	90°F	5.95	6.78	7.69	8.68	9.70	10.9	12.1	13.4	14.8	1/2	3/8	5.7	9.5	1.4	3.6	154	128	
	95°F	5.67	6.47	7.33	8.27	9.29	10.4	11.6	12.8	14.1									
	100°F	5.39	6.15	6.97	7.86	8.83	9.90	11.0	12.2	13.4									
	105°F	5.12	5.83	6.61	7.46	8.37	9.35	10.4	11.5	12.7									
	110°F	4.84	5.52	6.25	7.05	7.91	8.83	9.80	10.9	12.0									
010-1H7 RST70C1E	90°F	6.41	7.26	8.18	9.17	10.2	11.4	12.7	14.0	15.5	1/2	3/8	5.7	9.5	1.4	3.6	155	129	
	95°F	6.12	6.94	7.82	8.77	9.80	10.9	12.1	13.4	14.8									
	100°F	5.84	6.62	7.46	8.36	9.33	10.4	11.5	12.7	14.1									
	105°F	5.55	6.30	7.10	7.95	8.87	9.90	10.9	12.1	13.3									
	110°F	5.25	5.97	6.72	7.53	8.40	9.33	10.3	11.4	12.6									
015-1H7 CR18K6E	90°F	7.09	8.52	10.1	11.9	13.8	15.9	18.1	20.6	23.2	5/8	3/8	5.7	9.5	2.2	5.4	222	189	
	95°F	6.46	7.83	9.34	11.0	12.9	14.8	17.0	19.4	21.9									
	100°F	5.83	7.13	8.58	10.2	11.9	13.8	15.9	18.2	20.6									
	105°F	5.20	6.45	7.83	9.36	11.0	12.9	14.8	17.0	19.3									
	110°F	4.57	5.76	7.08	8.54	10.1	11.9	13.8	15.8	18.0									
018-1H7 CR24K6E	90°F	9.90	11.6	13.6	15.7	18.0	20.5	23.3	26.4	29.7	5/8	3/8	5.7	9.5	2.2	5.4	225	192	
	95°F	9.17	10.9	12.7	14.7	16.9	19.3	22.0	24.9	28.1									
	100°F	8.50	10.1	11.9	13.8	15.9	18.1	20.7	23.4	26.5									
	105°F	7.86	9.41	11.1	12.9	14.8	17.0	19.4	22.0	24.8									
	110°F	7.23	8.70	10.3	12.0	13.8	15.8	18.1	20.5	23.2									
025-1H7 CR32K6E	90°F	12.7	14.9	17.4	20.1	23.0	26.2	29.7	33.6	37.8	7/8	3/8	9.5	15.2	3.3	8.1	240	207	
	95°F	11.8	13.9	16.3	18.8	21.6	24.7	28.0	31.7	35.7									
	100°F	10.9	13.0	15.2	17.6	20.3	23.2	26.3	29.8	33.6									
	105°F	10.1	12.1	14.2	16.5	18.9	21.7	24.7	27.9	31.5									
	110°F	9.26	11.2	13.1	15.3	17.6	20.2	23.0	26.1	29.5									
030-1H7 CR38K6E	90°F	16.0	18.8	21.9	25.3	29.0	32.8	36.7	40.8	44.9	7/8	1/2	9.5	15.2	3	7.4	315	265	
	95°F	15.0	17.6	20.6	23.8	27.3	31.0	34.7	38.6	42.6									
	100°F	13.9	16.5	19.3	22.4	25.7	29.2	32.8	36.5	40.3									
	105°F	12.9	15.3	18.0	20.9	24.1	27.4	30.9	34.5	38.1									
	110°F	11.9	14.1	16.7	19.5	22.5	25.7	29.1	32.5	36.0									
035-1H7 CR42K6E	90°F	17.8	20.9	24.4	28.2	32.2	36.5	40.9	45.5	50.1	7/8	1/2	9.5	15.2	3	7.4	320	270	
	95°F	16.6	19.6	22.9	26.5	30.4	34.5	38.7	43.1	47.5									
	100°F	15.5	18.3	21.4	24.9	28.6	32.5	36.6	40.8	45.0									
	105°F	14.3	17.0	20.0	23.3	26.8	30.5	34.9	38.4	42.6									
	110°F	13.2	15.7	18.5	21.7	25.0	28.6	32.4	36.2	40.1									
040-1H7 CR53KQE	90°F	23.4	27.3	31.4	35.9	40.5	45.6	50.9	56.7	62.8	1 1/8	1/2	15.2	60.8	4.5	11.1	333	283	
	95°F	21.8	25.6	29.5	33.7	38.2	43.0	48.1	53.6	59.5									
	100°F	20.1	23.7	27.6	31.6	35.9	40.5	45.4	50.6	56.2									
	105°F	18.5	22	25.7	29.5	33.6	37.9	42.6	47.6	53.0									
	110°F	16.9	20.2	23.7	27.4	31.2	35.4	39.8	44.6	49.7									

CAPACITY TABLE IEH/OEH (002 TO 035) HIGH TEMPERATURE R-134A

COMPRESSOR MODEL	AMB. TEMP	CAPACITY (MBH)									LINE SIZE (IN)		RECEIVER CHARGE (LB)		REFRIGERANT CHARGE (LB)		STANDARD UNIT SHIPPING WEIGHT (LB)	
		SATURATED SUCTION TEMPERATURE (°F)									SUCT.	LIQ.	STD.	OPT.	SUMMER	WINTER	OEH	IEH
		10°F	15°F	20°F	25°F	30°F	35°F	40°F	45°F	50°F								
002-1H3 ARE13C4E	90°F	0.85	0.97	1.11	1.26	1.42	1.60	1.80	2.01	2.24	3/8	1/4	6	10	0.7	1.9	132	106
	95°F	0.82	0.94	1.07	1.22	1.37	1.55	1.74	1.95	2.17								
	100°F	0.79	0.90	1.03	1.17	1.32	1.49	1.68	1.88	2.10								
	105°F	0.75	0.87	0.99	1.12	1.27	1.43	1.61	1.81	2.02								
	110°F	0.72	0.83	0.95	1.07	1.22	1.37	1.55	1.73	1.94								
003-1H3 ARE17C4E	90°F	1.05	1.19	1.35	1.53	1.72	1.93	2.15	2.39	2.66	3/8	1/4	6	10	0.7	1.9	132	106
	95°F	1.01	1.15	1.31	1.48	1.66	1.86	2.08	2.32	2.58								
	100°F	0.98	1.11	1.26	1.43	1.61	1.80	2.02	2.25	2.50								
	105°F	0.94	1.07	1.22	1.38	1.55	1.74	1.95	2.17	2.41								
	110°F	0.90	1.03	1.17	1.32	1.49	1.68	1.87	2.09	2.33								
004-1H3 ARE25C5E	90°F	1.65	1.89	2.14	2.42	2.72	3.05	3.40	3.78	4.18	3/8	1/4	6	10	0.7	1.9	136	110
	95°F	1.59	1.82	2.06	2.33	2.63	2.94	3.29	3.65	4.05								
	100°F	1.53	1.75	1.99	2.25	2.53	2.84	3.17	3.53	3.92								
	105°F	1.47	1.68	1.91	2.17	2.44	2.74	3.06	3.41	3.78								
	110°F	1.41	1.62	1.84	2.08	2.35	2.63	2.95	3.28	3.64								
005-1H3 ARE35C5E	90°F	1.93	2.20	2.5	2.83	3.19	3.57	3.98	4.43	4.90	1/2	1/4	6	10	1.4	3.7	141	115
	95°F	1.87	2.13	2.42	2.74	3.08	3.46	3.86	4.29	4.75								
	100°F	1.80	2.05	2.34	2.65	2.98	3.34	3.73	4.15	4.60								
	105°F	1.73	1.98	2.25	2.55	2.88	3.23	3.61	4.02	4.45								
	110°F	1.66	1.90	2.17	2.46	2.77	3.11	3.48	3.88	4.30								
007-1H3 ARE51C4E	90°F	2.82	3.20	3.63	4.09	4.59	5.13	5.70	6.31	6.96	1/2	1/4	6	10	1.4	3.7	141	115
	95°F	2.72	3.09	3.50	3.94	4.43	4.95	5.50	6.09	6.71								
	100°F	2.62	2.98	3.37	3.80	4.27	4.76	5.30	5.86	6.46								
	105°F	2.51	2.86	3.24	3.65	4.10	4.58	5.10	5.64	6.21								
	110°F	2.40	2.73	3.10	3.50	3.93	4.39	4.89	5.41	5.96								
008-1H3 RRT64C1E	90°F	3.83	4.36	4.95	5.58	6.27	7.00	7.78	8.60	9.45	1/2	1/4	6	10	1.4	3.7	154	128
	95°F	3.70	4.21	4.78	5.39	6.04	6.74	7.48	8.26	9.07								
	100°F	3.56	4.06	4.60	5.18	5.81	6.48	7.18	7.92	8.69								
	105°F	3.41	3.89	4.41	4.97	5.57	6.20	6.87	7.56	8.28								
	110°F	3.25	3.71	4.21	4.75	5.32	5.92	6.55	7.20	7.88								
009-1H3 RRT73C1E	90°F	4.19	4.76	5.37	6.04	6.75	7.49	8.28	9.10	10.0	5/8	1/4	6	10	1.4	3.7	154	128
	95°F	4.03	4.57	5.16	5.79	6.46	7.17	7.92	8.70	9.50								
	100°F	3.88	4.39	4.95	5.55	6.19	6.87	7.58	8.33	9.10								
	105°F	3.72	4.21	4.74	5.32	5.93	6.58	7.27	7.98	8.72								
	110°F	3.55	4.03	4.55	5.10	5.69	6.32	6.97	7.66	8.37								
010-1H3 RRT81C1E	90°F	5.02	5.74	6.53	7.34	8.23	9.18	10.2	11.2	12.3	5/8	1/4	6	10	1.4	3.7	155	129
	95°F	4.79	5.48	6.23	7.04	7.89	8.81	9.80	10.8	11.9								
	100°F	4.56	5.23	5.95	6.73	7.55	8.43	9.36	10.3	11.4								
	105°F	4.32	4.97	5.67	6.42	7.21	8.06	8.95	9.90	10.9								
	110°F	4.09	4.72	5.39	6.14	6.87	7.68	8.54	9.44	10.4								
013-1H3 CS10K6E	90°F	5.44	6.53	7.76	9.12	10.6	12.3	14.1	16.1	18.2	5/8	3/8	6	10	2.2	5.6	224	191
	95°F	5.02	6.07	7.25	8.55	10.0	11.6	13.5	15.2	17.3								
	100°F	4.61	5.62	6.73	7.99	9.37	10.9	12.5	14.3	16.3								
	105°F	4.20	5.17	6.25	7.44	8.75	10.2	11.8	13.5	15.3								
	110°F	3.80	4.73	5.76	6.89	8.14	9.50	11.0	12.6	14.4								
015-1H3 CS12K6E	90°F	6.46	7.76	9.20	10.8	12.6	14.5	16.7	19.0	21.5	5/8	3/8	6	10	2.2	5.6	224	191
	95°F	5.96	7.21	8.60	10.1	11.8	13.7	15.8	18.0	20.4								
	100°F	5.47	6.67	8.00	9.47	11.1	12.9	14.8	16.9	19.2								
	105°F	4.98	6.12	7.41	8.81	10.4	12.1	13.9	15.9	18.1								
	110°F	4.51	5.61	6.83	8.16	9.60	11.2	13.0	14.9	17.0								
020-1H3 CS14K6E	90°F	7.67	9.20	10.9	12.8	14.9	17.2	19.7	22.5	25.4	5/8	3/8	6	16	3.3	8.4	238	205
	95°F	7.08	8.55	10.2	12.0	14.0	16.2	18.6	21.2	24.1								
	100°F	6.47	7.91	9.49	11.2	13.1	15.5	17.5	20.0	22.7								
	105°F	5.92	7.28	8.79	10.5	12.3	14.3	16.5	18.8	21.4								
	110°F	5.35	6.66	8.10	9.70	11.4	13.3	15.4	17.7	20.1								
025-1H3 CS18K6E	90°F	9.46	11.4	13.5	15.8	18.3	21.1	24.1	27.3	30.8	7/8	1/2	10	16	3.3	8.4	239	206
	95°F	8.73	10.6	12.6	14.8	17.2	19.9	22.7	25.8	29.1								
	100°F	8.00	9.80	11.7	13.8	16.1	18.6	21.4	24.3	27.4								
	105°F	7.29	8.97	10.8	12.8	15.1	17.4	20.0	22.8	25.8								
	110°F	6.59	8.20	10.0	11.9	14.0	16.3	18.7	21.3	24.1								
028-1H3 CS20K6E	90°F	10.8	13.0	15.4	18.1	21.1	24.3	27.9	31.8	36.0	7/8	1/2	10	16	3	7.7	325	265
	95°F	10.0	12.1	14.4	17.0	19.8	22.9	26.3	30.1	34.1								
	100°F	9.15	11.2	13.4	15.9	18.6	21.5	24.8	28.3	32.2								
	105°F	8.33	10.3	12.4	14.7	17.3	20.2	23.3	26.6	30.3								
	110°F	7.53	9.38	11.4	13.7	16.1	18.8	21.8	25.0	28.4								
035-1H3 CS27K6E	90°F	14.6	17.1	19.8	22.9	26.4	30.4	34.9	39.8	45.3	7/8	1/2	10	16	3	7.7	325	275
	95°F	13.8	16.2	18.8	21.8	25.1	28.9	33.1	37.9	43.1								
	100°F	13.0	15.3	17.8	20.6	23.8	27.4	31.4	35.9	40.8								
	105°F	12.2	14.4	16.8	19.5	22.5	25.9	29.7	33.9	38.5								
	110°F	11.4	13.5	15.8	18.3	21.2	24.3	27.9	31.9	36.3								

CAPACITY TABLE

IEH/OEH (002 TO 030) LOW TEMPERATURE R-404A & R-507A

COMPRESSOR MODEL	AMB. TEMP	CAPACITY (MBH)									LINE SIZE (IN)		RECEIVER CHARGE (LB)		REFRIGERANT CHARGE (LB)		STANDARD UNIT SHIPPING WEIGHT (LB)	
		SATURATED SUCTION TEMPERATURE (°F)																
		-30°F	-25°F	-20°F	-15°F	-10°F	-5°F	0°F	5°F	10°F	SUCT.	LIQ.	STD.	OPT.	SUMMER	WINTER	OEH	IEH
002-1L4 AFE11C4E	90°F	N/A	0.91	1.10	1.30	1.52	1.75	1.99	2.25	2.53	3/8	1/4	5.4	9	0.7	1.7	136	110
	95°F	N/A	0.83	1.02	1.21	1.41	1.63	1.86	2.1	2.37								
	100°F	N/A	0.75	0.93	1.11	1.30	1.51	1.73	1.96	2.21								
	105°F	N/A	0.66	0.83	1.01	1.20	1.39	1.60	1.82	2.06								
	110°F	N/A	0.57	0.74	0.91	1.09	1.28	1.48	1.69	1.91								
003-1L4 AFE13C4E	90°F	N/A	1.07	1.22	1.39	1.57	1.77	1.99	2.21	2.45	3/8	1/4	5.4	9	0.7	1.7	137	129
	95°F	N/A	1.00	1.15	1.31	1.49	1.68	1.89	2.1	2.33								
	100°F	N/A	0.94	1.08	1.24	1.41	1.59	1.78	1.99	2.21								
	105°F	N/A	0.87	1.01	1.16	1.32	1.50	1.68	1.88	2.08								
	110°F	N/A	0.81	0.94	1.09	1.24	1.40	1.58	1.76	1.95								
004-1L4 RFT22C1E	90°F	1.34	1.62	1.93	2.27	2.63	3.03	3.46	3.92	4.41	3/8	1/4	5.4	9	0.7	1.7	154	128
	95°F	1.24	1.50	1.8	2.12	2.46	2.84	3.25	3.69	4.16								
	100°F	1.14	1.39	1.66	1.96	2.29	2.65	3.04	3.46	3.90								
	105°F	1.03	1.27	1.53	1.81	2.12	2.46	2.83	3.23	3.65								
	110°F	0.93	1.15	1.39	1.66	1.95	2.27	2.62	3	3.41								
008-1L4 RFT26C1E	90°F	1.64	1.96	2.30	2.67	3.08	3.53	4.03	4.58	5.19	3/8	1/4	5.4	9	1.4	3.4	154	128
	95°F	1.54	1.84	2.16	2.51	2.90	3.34	3.82	4.35	4.94								
	100°F	1.44	1.72	2.02	2.36	2.73	3.14	3.60	4.12	4.69								
	105°F	1.35	1.61	1.89	2.21	2.56	2.96	3.40	3.89	4.44								
	110°F	1.26	1.50	1.77	2.06	2.40	2.77	3.20	3.67	4.20								
009-1L4 RFT32C1E	90°F	2.04	2.48	2.96	3.48	4.05	4.67	5.32	6.03	6.77	1/2	1/4	5.4	9	1.4	3.4	155	129
	95°F	1.9	2.31	2.76	3.26	3.80	4.39	5.01	5.68	6.39								
	100°F	1.76	2.14	2.57	3.04	3.55	4.10	4.70	5.33	6.01								
	105°F	1.62	1.98	2.38	2.81	3.29	3.82	4.38	4.97	5.61								
	110°F	1.50	1.82	2.18	2.59	3.04	3.52	4.05	4.61	5.21								
010-1L4 CF04K6E	90°F	2.04	2.77	3.52	4.33	5.22	6.18	7.33	8.6	10.0	5/8	3/8	5.4	9	1.4	3.4	185	159
	95°F	1.75	2.43	3.13	3.88	4.71	5.63	6.68	7.87	9.24								
	100°F	1.47	2.10	2.75	3.44	4.20	5.05	6.03	7.15	8.42								
	105°F	1.20	1.78	2.37	3.00	3.70	4.49	5.39	6.43	7.63								
	110°F	0.96	1.48	2.01	2.58	3.21	3.93	4.76	5.72	6.84								
018-1L4 CF06K6E	90°F	3.77	4.86	6.09	7.42	8.85	10.4	12.0	13.6	15.3	5/8	3/8	5.4	9	2.1	5.1	228	195
	95°F	3.35	4.38	5.54	6.81	8.17	9.60	11.2	12.7	14.4								
	100°F	2.96	3.93	5.01	6.21	7.51	8.89	10.3	11.9	13.4								
	105°F	2.61	3.49	4.51	5.63	6.85	8.15	9.5	11	12.4								
	110°F	2.28	3.09	4.02	5.07	6.21	7.43	8.72	10.1	11.5								
025-1L4 CF09K6E	90°F	5.33	6.88	8.60	10.5	12.5	14.6	16.8	19.2	21.6	7/8	3/8	9	14.4	3.1	7.6	236	203
	95°F	4.80	6.25	7.87	9.60	11.5	13.6	15.7	17.9	20.2								
	100°F	4.31	5.65	7.16	8.82	10.6	12.5	14.5	16.6	18.8								
	105°F	3.84	5.07	6.47	8.02	9.70	11.5	13.4	15.4	17.4								
	110°F	3.40	4.52	5.81	7.24	8.81	10.5	12.3	14.1	16.0								
030-1L4 CF12K6E	90°F	7.42	9.41	11.5	13.7	16.1	18.6	21.2	24	27.1	7/8	3/8	9	14.4	2.9	7	307	257
	95°F	6.70	8.60	10.6	12.7	14.9	17.3	19.8	22.5	25.3								
	100°F	6.00	7.81	9.70	11.7	13.8	16.0	18.4	20.9	23.6								
	105°F	5.33	7.05	8.83	10.7	12.7	14.8	17.0	19.3	21.8								
	110°F	4.70	6.32	7.99	9.70	11.6	13.5	15.6	17.8	20.1								

CAPACITY TABLE

IEH/OEH (002 TO 050) MEDIUM EXTENDED TEMPERATURE R-404A & R-507A

COMPRESSOR MODEL	AMB. TEMP	CAPACITY (MBH)												LINE SIZE (IN)		RECEIVER CHARGE (LB)		REFRIGERANT CHARGE (LB)		STANDARD UNIT SHIPPING WEIGHT (LB)	
		SATURATED SUCTION TEMPERATURE (°F)																			
		-25°F	-20°F	-15°F	-10°F	-5°F	0°F	5°F	10°F	15°F	20°F	25°F	30°F	SUCT.	LIQ.	STD.	OPT.	SUMMER	WINTER	OEH	IEH
002-1E4 ASE12C4E	90°F	N/A	N/A	N/A	0.90	1.02	1.16	1.31	1.47	1.65	1.85	2.05	2.28								
	95°F	N/A	N/A	N/A	0.85	0.96	1.09	1.24	1.39	1.57	1.75	1.95	2.16								
	100°F	N/A	N/A	N/A	0.79	0.90	1.03	1.16	1.32	1.48	1.66	1.84	2.04	3/8	1/4	5.4	9	0.7	1.7	131	105
	105°F	N/A	N/A	N/A	0.74	0.85	0.96	1.10	1.24	1.39	1.56	1.74	1.93								
	110°F	N/A	N/A	N/A	0.69	0.79	0.90	1.03	1.16	1.31	1.46	1.63	1.81								
003-1E4 ASE19C4E	90°F	N/A	N/A	N/A	1.25	1.44	1.63	1.82	2.02	2.23	2.45	2.70	2.97								
	95°F	N/A	N/A	N/A	1.18	1.37	1.55	1.74	1.93	2.12	2.34	2.58	2.84								
	100°F	N/A	N/A	N/A	1.11	1.29	1.47	1.65	1.83	2.02	2.23	2.45	2.70	3/8	1/4	5.4	9	0.7	1.7	132	106
	105°F	N/A	N/A	N/A	1.04	1.22	1.39	1.57	1.74	1.92	2.11	2.32	2.56								
	110°F	N/A	N/A	N/A	0.97	1.15	1.32	1.48	1.65	1.82	2.00	2.20	2.42								
004-1E4 ASE32C5E	90°F	N/A	N/A	N/A	2.15	2.47	2.79	3.13	3.50	3.90	4.34	4.84	5.40								
	95°F	N/A	N/A	N/A	2.01	2.32	2.63	2.95	3.29	3.66	4.07	4.53	5.04								
	100°F	N/A	N/A	N/A	1.85	2.16	2.46	2.76	3.08	3.43	3.81	4.24	4.72	3/8	1/4	5.4	9	0.7	1.7	146	120
	105°F	N/A	N/A	N/A	1.69	1.99	2.29	2.58	2.89	3.21	3.57	3.97	4.42								
	110°F	N/A	N/A	N/A	0.97	1.15	1.32	1.48	1.65	1.82	2.00	2.20	2.42								
007-1E4 RST45C1E	90°F	1.75	2.05	2.38	2.74	3.15	3.58	4.05	4.55	5.09	5.65	6.23	6.85								
	95°F	1.63	1.91	2.23	2.58	2.96	3.38	3.82	4.30	4.80	5.33	5.89	6.46								
	100°F	1.51	1.78	2.08	2.41	2.77	3.17	3.59	4.04	4.51	5.01	5.54	6.08	3/8	1/4	5.4	9	1.4	3.4	153	127
	105°F	1.38	1.64	1.93	2.24	2.59	2.96	3.36	3.78	4.23	4.70	5.19	5.70								
	110°F	1.26	1.50	1.77	2.07	2.4	2.75	3.12	3.52	3.94	4.38	4.84	5.32								
008-1E4 RST55C1E	90°F	1.99	2.39	2.82	3.29	3.78	4.31	4.87	5.47	6.09	6.74	7.43	8.15								
	95°F	1.82	2.20	2.62	3.06	3.54	4.05	4.58	5.15	5.74	6.36	7.02	7.69								
	100°F	1.65	2.02	2.42	2.85	3.30	3.78	4.29	4.83	5.39	5.98	6.6	7.24	3/8	1/4	5.4	9	1.4	3.4	154	128
	105°F	1.50	1.86	2.24	2.64	3.07	3.53	4.01	4.52	5.05	5.61	6.19	6.79								
	110°F	1.37	1.71	2.07	2.45	2.86	3.29	3.74	4.22	4.72	5.24	5.78	6.34								
009-1E4 RST64C1E	90°F	2.79	3.28	3.80	4.34	4.91	5.52	6.16	6.83	7.54	8.29	9.09	9.90								
	95°F	2.62	3.09	3.59	4.11	4.65	5.23	5.83	6.47	7.14	7.85	8.60	9.39								
	100°F	2.45	2.90	3.38	3.87	4.39	4.93	5.50	6.10	6.73	7.40	8.10	8.84	1/2	1/4	5.4	9	1.4	3.4	155	129
	105°F	2.28	2.71	3.16	3.63	4.11	4.62	5.16	5.72	6.32	6.94	7.60	8.29								
	110°F	2.10	2.51	2.94	3.40	3.84	4.31	4.81	5.34	5.89	6.47	7.09	7.73								
010-1E4 RST70C1E	90°F	3.00	3.51	4.06	4.64	5.26	5.92	6.61	7.33	8.08	8.87	9.70	10.5								
	95°F	2.75	3.25	3.78	4.34	4.93	5.55	6.21	6.89	7.60	8.34	9.11	9.90								
	100°F	2.50	2.98	3.49	4.03	4.59	5.19	5.81	6.45	7.12	7.82	8.54	9.28	1/2	1/4	5.4	9	1.4	3.4	155	129
	105°F	2.25	2.72	3.21	3.72	4.26	4.83	5.41	6.02	6.65	7.31	7.98	8.67								
	110°F	2.01	2.46	2.93	3.43	3.94	4.48	5.03	5.61	6.20	6.81	7.44	8.08								
015-1E4 CS10K6E	90°F	N/A	N/A	4.54	5.58	6.74	8.00	9.34	10.8	12.3	13.8	15.4	17.0								
	95°F	N/A	N/A	4.09	5.08	6.17	7.36	8.63	10.0	11.4	12.8	14.3	15.8								
	100°F	N/A	N/A	4.57	5.61	6.73	7.93	9.2	10.5	11.9	13.3	14.7	16.1	5/8	3/8	5.4	9	2.1	5.1	224	191
	105°F	N/A	N/A	N/A	5.05	6.11	7.24	8.43	9.70	10.9	12.3	13.6	15.0								
	110°F	N/A	N/A	N/A	N/A	5.49	6.55	7.67	8.83	10.0	11.2	12.5	13.8								
018-1E4 CS12K6E	90°F	N/A	N/A	5.39	6.61	7.90	9.28	10.7	12.3	14.0	15.8	17.7	19.8								
	95°F	N/A	N/A	N/A	6.02	7.25	8.55	9.90	11.4	13.0	14.7	16.6	18.5								
	100°F	N/A	N/A	N/A	5.45	6.61	7.85	9.16	10.6	12.1	13.7	15.4	17.3	5/8	3/8	5.4	9	2.1	5.1	224	191
	105°F	N/A	N/A	N/A	N/A	6.00	7.16	8.39	9.70	11.1	12.6	14.3	16.0								
	110°F	N/A	N/A	N/A	N/A	6.47	7.63	8.86	10.2	11.6	13.1	14.8	16.6								
025-1E4 CS14K6E	90°F	N/A	N/A	6.96	8.30	9.80	11.4	13.0	14.8	16.6	18.5	20.4	22.3								
	95°F	N/A	N/A	N/A	7.70	9.09	10.6	12.2	13.8	15.6	17.3	19.1	20.9								
	100°F	N/A	N/A	N/A	7.10	8.41	9.80	11.3	12.9	14.5	16.1	17.8	19.3	5/8	3/8	9	14.4	3.1	7.6	231	198
	105°F	N/A	N/A	N/A	N/A	7.74	9.06	10.5	11.9	13.4	14.9	16.5	18.0								
	110°F	N/A	N/A	N/A	N/A	N/A	8.31	9.60	11.0	12.4	13.8	15.2	16.6								
030-1E4 CS18K6E	90°F	N/A	N/A	8.49	10.3	12.3	14.4	16.8	19.2	21.7	24.3	26.9	29.5								
	95°F	N/A	N/A	7.75	9.41	11.3	13.3	15.5	17.8	20.2	22.6	25.1	27.5								
	100°F	N/A	N/A	N/A	8.58	10.3	12.3	14.3	16.5	18.7	21.0	23.3	25.6	7/8	1/2	9	14.4	2.9	7	303	253
	105°F	N/A	N/A	N/A	N/A	9.40	11.2	13.1	15.2	17.3	19.4	21.6	23.7								
	110°F	N/A	N/A	N/A	N/A	N/A	10.2	12.0	13.9	15.8	17.8	19.8	21.8								
035-1E4 CS20K6E	90°F	N/A	N/A	10.0	11.9	13.9	16.0	18.3	21.3	23.6	26.7	30.1	33.8								
	95°F	N/A	N/A	N/A	10.9	12.7	14.7	16.9	19.3	21.9	24.8	28.0	31.5								
	100°F	N/A	N/A	N/A	9.80	11.6	13.5	15.5	17.8	20.2	23.0	25.9	29.3	7/8	1/2	9	14.4	2.9	7	312	262
	105°F	N/A	N/A	N/A	N/A	10.5	12.3	14.2	16.2	18.5	21.1	24	27.1								
	110°F	N/A	N/A	N/A	N/A	N/A	11.1	12.8	14.8	16.9	19.3	22.0	25.0								
040-1E4 CS24K6E	90°F	N/A	N/A	11.3	13.4	15.7	18.2	21.0	24.0	27.3	31.0	34.9	39.3								
	95°F	N/A	N/A	N/A	12.3	14.4	16.8	19.4	22.2	25.4	28.8	32.6	36.7								
	100°F	N/A	N/A	N/A	11.2	13.2	15.4	17.8	20.5	23.4	26.7	30.2	34.1	7/8	1/2	14.4	57.6	4.3	10.4	332	282
	105°F	N/A	N/A	N/A	N/A	12.0	14.0	16.3	18.8	21.5	24.6	27.9	31.6								
	110°F	N/A	N/A	N/A	N/A	N/A	12.7	14.8	17.1	19.7	22.5	25.7	29.1								
045-1E4 CS27K6E	90°F	N/A	N/A	12.8	15.2	17.9	20.9	24.1	27.6	31.2	35.1	39.2	43.3								
	95°F	N/A	N/A	N/A	14.2	16.7	19.5	22.5	25.7	29.2	32.8	36.6	40.7								
	100°F	N/A	N/A	N/A	N/A	15.5	18.1	20.9	23.9	27.1	30.5	34.1	37.9	7/8	1/2	14.4	57.6	4.3	10.4	335	285
	105°F	N/A	N/A	N/A	N/A	N/A	16.7	19.3	22.1	25.1	28.3	31.6	35.1								
	110°F	N/A	N/A	N/A	N/A	N/A	15.3	17.7	20.3	23.1	26.0	29.1	32.4								
050-1E4 CS33K6E	90°F	N/A	N/A	15.9	18.6	21.7	25.1	28.8	32.6	36.7	40.9	45.2	49.6								
	95°F	N/A	N/A	N/A	17.4	20.3	23.5	27.0	30.6	34.4	38.4	42.4	46.5								
	100°F	N/A	N/A	N/A	N/A	19.0	22.0	25.2	29.1	32.2	35.8	39.6	43.4	1 1/8	1/2	25.2	100.8	8.1	19.7	401	341
	105°F	N/A	N/A	N/A	N/A	17.6	20.4	23.4	26.6	30.0	33.4	36.8	40.3								
	110°F	N/A	N/A	N/A	N/A	N/A	18.9	21.7	24.7	27.8	30.9	34.1	37.4								

CAPACITY TABLE

IEH/OEH (002 TO 040) MEDIUM TEMPERATURE R-448A & R-449A

COMPRESSOR MODEL	AMB. TEMP	CAPACITY (MBH)										LINE SIZE (IN)		RECEIVER CHARGE		REFRIGERANT CHARGE (LB)		STANDARD UNIT SHIPPING WEIGHT (LB)	
		SATURATED SUCTION TEMPERATURE (°F)																	
		-10°F	-5°F	0°F	5°F	10°F	15°F	20°F	25°F	30°F	SUCT.	LIQ.	STD.	OPT.	SUMMER	WINTER	OEH	IEH	
002-1MA ASE12C4E	90°F	0.74	0.88	1.04	1.20	1.38	1.57	1.78	2.00	2.25	3/8	1/4	6	10	0.7	1.8	131	105	
	95°F	0.70	0.84	0.99	1.14	1.32	1.50	1.70	1.92	2.15									
	100°F	0.66	0.80	0.94	1.09	1.25	1.43	1.62	1.83	2.05									
	105°F	0.63	0.75	0.89	1.03	1.19	1.36	1.54	1.74	1.95									
	110°F	0.59	0.71	0.84	0.98	1.13	1.29	1.46	1.65	1.86									
003-1MA ASE19C4E	90°F	1.01	1.24	1.47	1.69	1.92	2.17	2.44	2.74	3.07	3/8	1/4	6	10	0.7	1.8	132	106	
	95°F	0.96	1.19	1.41	1.63	1.85	2.09	2.35	2.64	2.96									
	100°F	0.91	1.13	1.35	1.56	1.78	2.02	2.27	2.55	2.86									
	105°F	0.86	1.08	1.29	1.5	1.71	1.94	2.18	2.45	2.75									
	110°F	0.8	1.02	1.23	1.43	1.64	1.86	2.09	2.35	2.64									
007-1MA RST45C1E	90°F	2.33	2.71	3.15	3.65	4.21	4.84	5.54	6.32	7.17	3/8	1/4	6	10	1.4	3.6	153	127	
	95°F	2.23	2.59	3.01	3.49	4.02	4.62	5.29	6.03	6.84									
	100°F	2.12	2.47	2.87	3.32	3.83	4.4	5.04	5.74	6.51									
	105°F	2.01	2.34	2.72	3.15	3.63	4.18	4.78	5.45	6.19									
	110°F	1.89	2.20	2.56	2.97	3.44	3.95	4.53	5.17	5.87									
009-1MA RST64C1E	90°F	3.88	4.50	5.18	5.93	6.76	7.68	8.70	9.80	11.1	1/2	1/4	6	10	1.4	3.6	155	129	
	95°F	3.71	4.30	4.96	5.68	6.48	7.36	8.34	9.43	10.6									
	100°F	3.53	4.10	4.73	5.43	6.19	7.04	7.98	9.03	10.2									
	105°F	3.36	3.91	4.51	5.17	5.91	6.72	7.62	8.62	9.70									
	110°F	3.18	3.71	4.28	4.92	5.62	6.4	7.26	8.22	9.28									
015-1MA CS10K6E	90°F	4.36	5.45	6.67	8.03	9.50	11.2	13.0	14.9	17.1	5/8	3/8	6	10	2.2	5.4	224	191	
	95°F	3.88	4.92	6.10	7.40	8.83	10.4	12.1	14.0	16.0									
	100°F	3.40	4.41	5.53	6.77	8.14	9.60	11.3	13.0	15.0									
	105°F	N/A	3.91	4.98	6.17	7.47	8.89	10.5	12.1	13.9									
	110°F	N/A	N/A	4.44	5.57	6.81	8.16	9.6	11.2	12.9									
018-1MA CS12K6E	90°F	5.44	6.41	7.62	9.07	10.7	12.6	14.6	16.8	19.2	5/8	3/8	6	10	2.2	5.4	224	191	
	95°F	5.12	5.99	7.10	8.46	10.0	11.8	13.7	15.8	18.1									
	100°F	4.84	5.60	6.62	7.86	9.32	11.0	12.8	14.8	17.0									
	105°F	N/A	5.24	6.15	7.29	8.64	10.2	11.9	13.8	15.9									
	110°F	N/A	N/A	5.7	6.73	7.98	9.42	11.0	12.8	14.8									
025-1MA CS14K6E	90°F	6.57	7.58	9.00	10.7	12.8	15.0	17.4	20.0	22.6	5/8	3/8	10	16	3.3	8.1	231	198	
	95°F	6.33	7.16	8.41	10.0	11.9	14.0	16.4	18.8	21.4									
	100°F	6.15	6.79	7.87	9.33	11.1	13.1	15.3	17.7	20.1									
	105°F	N/A	6.48	7.38	8.67	10.3	12.2	14.3	16.5	18.9									
	110°F	N/A	N/A	6.94	8.06	9.50	11.3	13.2	15.4	17.6									
030-1MA CS18K6E	90°F	7.95	10.1	12.3	14.5	17.0	19.6	22.5	25.7	29.1	7/8	1/2	10	16	3	7.4	303	253	
	95°F	7.23	9.26	11.3	13.5	15.9	18.4	21.1	24.1	27.4									
	100°F	6.53	8.48	10.5	12.5	14.8	17.1	19.7	22.6	25.7									
	105°F	N/A	7.74	9.6	11.6	13.7	16.0	18.4	21.1	24.1									
	110°F	N/A	N/A	8.88	10.8	12.7	14.9	17.2	19.7	22.5									
035-1MA CS20K6E	90°F	9.25	11.7	14.2	16.8	19.5	22.4	25.5	28.8	32.4	7/8	1/2	10	16	3	7.4	312	262	
	95°F	8.33	10.7	13.1	15.6	18.3	21.0	24.0	27.2	30.6									
	100°F	7.41	9.70	12.1	14.5	17.0	20.0	22.5	25.5	28.8									
	105°F	N/A	8.77	11.1	13.4	15.8	18.4	21.1	24.0	27.0									
	110°F	N/A	N/A	10	12.3	14.6	17.1	19.6	22.4	25.3									
040-1MA CS24K6E	90°F	11.0	13.1	15.6	18.3	21.4	24.8	28.6	32.8	37.5	7/8	1/2	16	16	4.5	11.1	332	282	
	95°F	10.2	12.3	14.7	17.3	20.2	23.5	27.1	31.1	35.5									
	100°F	9.44	11.5	13.7	16.2	19.0	22.1	25.5	29.3	33.5									
	105°F	N/A	10.7	12.8	15.2	17.8	20.7	24.0	27.5	31.5									
	110°F	N/A	N/A	11.9	14.1	16.6	19.4	22.4	25.8	29.5									

ELECTRICAL TABLE

IEH/OEH HIGH TEMPERATURE R-407C

MODEL	VOLTAGE	COMPRESSOR				CONDENSER FAN			MCA	FUSE
		MODEL	QTY	RLA	LRA	QTY	HP	FLA		
002-1H7-1	120/1/60	ASE12C4E-IAA	1	3.5	26	1	50 W	1.1	5.48	15
003-1H7-1	120/1/60	ASE19C4E-IAA	1	5	26.5	1	50 W	1.1	7.35	15
004-1H7-1	120/1/60	ASE32C3E-CAA	1	8.2	33.6	1	50 W	1.1	11.35	15
004-1H7-2	240/1/60	ASE32C3E-CAV	1	3.9	24.8	1	50 W	0.76	5.64	15
007-1H7-1	120/1/60	RST45C1E-CAA	1	9.4	54.5	1	50 W	1.1	12.85	20
007-1H7-2	240/1/60	RST45C1E-CAV	1	4.6	26.5	1	50 W	0.76	6.51	15
008-1H7-1	120/1/60	RST55C1E-CAA	1	13.5	70	1	50 W	1.1	17.98	30
008-1H7-2	240/1/60	RST55C1E-CAV	1	6.1	33.7	1	50 W	0.76	8.39	15
009-1H7-1	120/1/60	RST64C1E-CFA	1	13.1	77	1	50 W	1.1	17.48	30
009-1H7-2	240/1/60	RST64C1E-CAV	1	8.1	43	1	50 W	0.76	10.89	15
010-1H7-2	240/1/60	RST70C1E-PFV	1	6.9	46	1	50 W	0.76	9.39	15
010-1H7-5	208-240/3/60	RST70C1E-TA5	1	4.9	36	1	50 W	0.76	6.89	15
015-1H7-2	240/1/60	CR18K6E-PFV	1	9.4	49	1	1/4	2	13.75	20
015-1H7-5	208-240/3/60	CR18K6E-TF5	1	5.4	49	1	1/4	2	8.75	15
015-1H7-9	480/3/60	CR18K6E-TFD	1	2.7	23	1	1/4	1	4.38	15
018-1H7-2	240/1/60	CR24K6E-PFV	1	11.2	61	1	1/4	2	16	25
018-1H7-5	208-240/3/60	CR24K6E-TF5	1	6.9	55	1	1/4	2	10.63	15
018-1H7-9	480/3/60	CR24K6E-TFD	1	3.6	28	1	1/4	1	5.5	15
025-1H7-2	240/1/60	CR32K6E-PFV	1	14.4	82	1	1/4	2	20	30
025-1H7-5	208-240/3/60	CR32K6E-TF5	1	9	72	1	1/4	2	13.25	20
025-1H7-8	600/3/60	CR32K6E-TFE	1	3.4	27	1	1/4	0.4	4.65	15
025-1H7-9	480/3/60	CR32K6E-TFD	1	4.6	33	1	1/4	1	6.75	15
030-1H7-2	240/1/60	CR38K6E-PFV	1	17.1	105	1	1/2	4	25.38	40
030-1H7-5	208-240/3/60	CR38K6E-TF5	1	10.7	85	1	1/2	4	17.38	25
030-1H7-8	600/3/60	CR38K6E-TFE	1	4.3	34	1	1/2	1.3	6.68	15
030-1H7-9	480/3/60	CR38K6E-TFD	1	5.3	42	1	1/2	1.7	8.33	15
035-1H7-2	240/1/60	CR42K6E-PFV	1	18.3	102	1	1/2	4	26.88	45
035-1H7-5	208-240/3/60	CR42K6E-TF5	1	12.6	91	1	1/2	4	19.75	30
035-1H7-8	600/3/60	CR42K6E-TFE	1	4.7	39	1	1/2	1.3	7.18	15
035-1H7-9	480/3/60	CR42K6E-TFD	1	5.7	42	1	1/2	1.7	8.83	15
040-1H7-2	240/1/60	CR53KQE-PFV	1	26	140	1	1/2	4	36.5	60
040-1H7-5	208-240/3/60	CR53KQE-TF5	1	16.3	107	1	1/2	4	24.38	40
040-1H7-9	480/3/60	CR53KQE-TFD	1	8.1	55	1	1/2	1.7	11.83	15

ELECTRICAL TABLE

IEH/OEH HIGH TEMPERATURE R-134A

MODEL	VOLTAGE	COMPRESSOR				CONDENSER FAN			MCA	FUSE
		MODEL	QTY	RLA	LRA	QTY	HP	FLA		
002-1H3-1	120/1/60	ARE13C4E-IAA	1	3.8	26	1	50 W	1.1	5.85	15
003-1H3-1	120/1/60	ARE17C4E-IAA	1	3.8	26	1	50 W	1.1	5.85	15
004-1H3-1	120/1/60	ARE25C5E-IAA	1	4.3	25	1	50 W	1.1	6.48	15
005-1H3-1	120/1/60	ARE35C5E-IAA	1	6.2	39	1	50 W	1.1	8.85	15
005-1H3-2	240/1/60	ARE35C5E-IAI	1	4.4	16	1	50 W	0.76	6.26	15
007-1H3-1	120/1/60	ARE51C4E-CAA	1	9.4	48	1	50 W	1.1	12.85	20
007-1H3-2	240/1/60	ARE51C4E-IAV	1	4.4	30	1	50 W	0.76	6.26	15
008-1H3-1	120/1/60	RRT64C1E-CAA	1	9.9	45	1	50 W	1.1	13.48	20
008-1H3-2	240/1/60	RRT64C1E-IAV	1	5.8	31	1	50 W	0.76	8.01	15
009-1H3-1	120/1/60	RRT73C1E-CAA	1	9.9	54.5	1	50 W	1.1	13.48	20
009-1H3-2	240/1/60	RRT73C1E-CAV	1	7.6	33.7	1	50 W	0.76	10.26	15
010-1H3-1	120/1/60	RRT81C1E-PFA	1	11.7	70	1	50 W	1.1	15.73	25
010-1H3-2	240/1/60	RRT81C1E-PFV	1	5.8	35	1	50 W	0.76	8.01	15
013-1H3-2	240/1/60	CS10K6E-PFV	1	9.1	56	1	1/4	2	13.38	20
013-1H3-5	208-240/3/60	CS10K6E-TF5	1	6.7	51	1	1/4	2	10.38	15
013-1H3-9	480/3/60	CS10K6E-TFD	1	2.9	25	1	1/4	1	4.63	15
015-1H3-2	240/1/60	CS12K6E-PFV	1	9.8	56	1	1/4	2	14.25	20
015-1H3-5	208-240/3/60	CS12K6E-TF5	1	6.7	51	1	1/4	2	10.38	15
020-1H3-2	240/1/60	CS14K6E-PFV	1	11.2	61	1	1/4	2	16	25
020-1H3-5	208-240/3/60	CS14K6E-TF5	1	8.2	55	1	1/4	2	12.25	20
020-1H3-9	480/3/60	CS14K6E-TFD	1	4.2	28	1	1/4	1	6.25	15
025-1H3-2	240/1/60	CS18K6E-PFV	1	12.5	82	1	1/4	2	17.63	30
025-1H3-5	208-240/3/60	CS18K6E-TF5	1	9.4	65.5	1	1/4	2	13.75	20
025-1H3-9	480/3/60	CS18K6E-TFD	1	4.2	33	1	1/4	1	6.25	15
028-1H3-2	240/1/60	CS20K6E-PFV	1	15	96	1	1/2	4	22.75	35
028-1H3-5	208-240/3/60	CS20K6E-TF5	1	10.2	75	1	1/2	4	16.75	25
028-1H3-9	480/3/60	CS20K6E-TFD	1	4.6	40	1	1/2	1.7	7.45	15
035-1H3-2	240/1/60	CS27K6E-PFV	1	21.5	121	1	1/2	4	30.88	50
035-1H3-5	208-240/3/60	CS27K6E-TF5	1	13.7	105	1	1/2	4	21.13	30
035-1H3-9	480/3/60	CS27K6E-TFD	1	6.9	52	1	1/2	1.7	10.33	15

ELECTRICAL TABLE

IEH/OEH LOW TEMPERATURE R-404A & R-507A

MODEL	VOLTAGE	COMPRESSOR				CONDENSER FAN			MCA	FUSE
		MODEL	QTY	RLA	LRA	QTY	HP	FLA		
002-1L4-1	120/1/60	AFE11C4E-IAA	1	3.8	26.5	1	50 W	1.1	7.35	15
002-1L4-2	240/1/60	AFE11C3E-IAV	1	2.1	17.5	1	50 W	0.76	3.39	15
003-1L4-1	120/1/60	AFE13C4E-IAA	1	5	37.5	1	50 W	1.1	7.35	15
003-1L4-2	240/1/60	AFE13C4E-IAV	1	2.7	20	1	50 W	0.76	4.14	15
004-1L4-1	120/1/60	RFT22C1E-CAA	1	7.1	54.5	1	50 W	1.1	9.98	15
004-1L4-2	240/1/60	RFT22C1E-CAV	1	4.7	29	1	50 W	0.76	6.64	15
008-1L4-1	120/1/60	RFT26C1E-CAA	1	9.7	66	1	50 W	1.1	13.23	20
008-1L4-2	240/1/60	RFT26C1E-CAV	1	5.8	35.5	1	50 W	0.76	8.01	15
009-1L4-1	120/1/60	RFT32C1E-CAA	1	13.5	56	1	50 W	1.1	17.98	30
009-1L4-2	240/1/60	RFT32C1E-CAV	1	5.2	40	1	50 W	0.76	7.26	15
010-1L4-2	240/1/60	CF04K6E-PFV	1	8.6	59.2	1	50 W	0.76	11.51	20
010-1L4-5	208-240/3/60	CF04K6E-TF5	1	5.7	52	1	50 W	0.76	7.89	15
018-1L4-2	240/1/60	CF06K6E-PFV	1	10.3	59.2	1	1/4	2	14.88	25
018-1L4-5	208-240/3/60	CF06K6E-TF5	1	6.3	52	1	1/4	2	9.88	15
018-1L4-9	480/3/60	CF06K6E-TFD	1	3.3	25.4	1	1/4	1	5.13	15
025-1L4-2	240/1/60	CF09K6E-PFV	1	15	87	1	1/4	2	20.75	35
025-1L4-5	208-240/3/60	CF09K6E-TF5	1	9.2	72.2	1	1/4	2	13.5	20
025-1L4-9	480/3/60	CF09K6E-TFD	1	4.9	35.8	1	1/4	1	7.13	15
030-1L4-2	240/1/60	CF12K6E-PFV	1	18.4	105	1	1/2	4	27	45
030-1L4-5	208-240/3/60	CF12K6E-TF5	1	11	85	1	1/2	4	17.75	25
030-1L4-9	480/3/60	CF12K6E-TFD	1	5.9	42	1	1/2	1.7	9.08	15

ELECTRICAL TABLE

IEH/OEH MEDIUM EXTENDED TEMPERATURE R-404A & R-507A

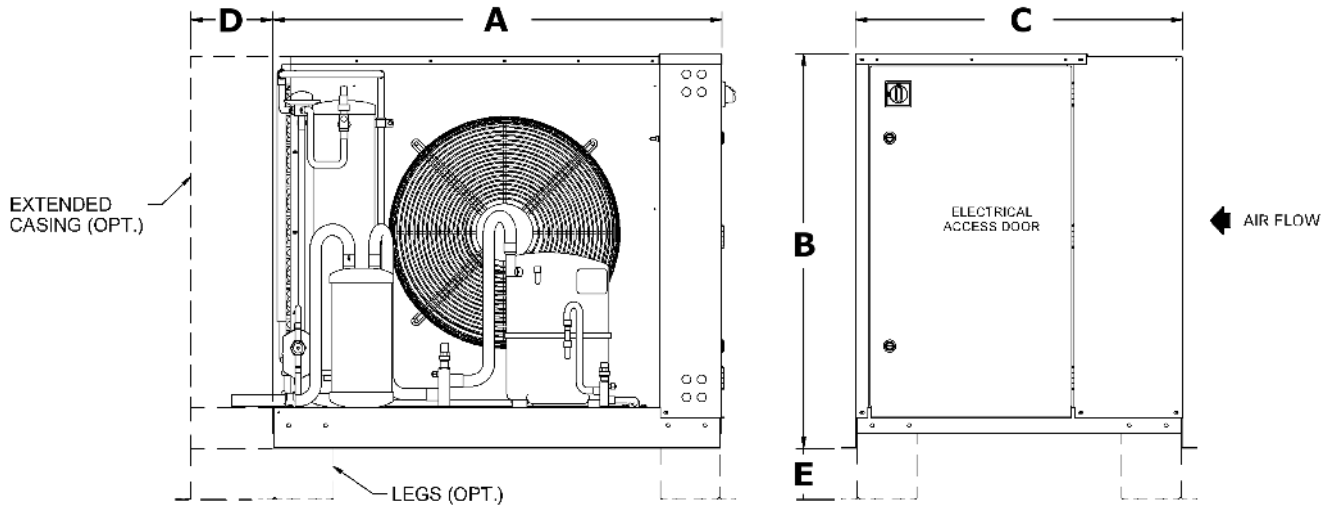
MODEL	VOLTAGE	COMPRESSOR				CONDENSER FAN			MCA	FUSE
		MODEL	QTY	RLA	LRA	QTY	HP	FLA		
002-1E4-1	120/1/60	ASE12C4E-IAA	1	3.5	26	1	50 W	1.1	5.48	15
003-1E4-1	120/1/60	ASE19C4E-IAA	1	5	26.5	1	50 W	1.1	7.35	15
004-1E4-1	120/1/60	ASE32C5E-CAA	1	6.7	42	1	50 W	1.1	11.35	15
004-1E4-2	240/1/60	ASE32C5E-CAV	1	4	26	1	50 W	0.76	5.76	15
007-1E4-1	120/1/60	RST45C1E-CAA	1	9.4	54.5	1	50 W	1.1	12.85	20
007-1E4-2	240/1/60	RST45C1E-CAV	1	4.6	26.5	1	50 W	0.76	6.51	15
008-1E4-1	120/1/60	RST55C1E-CAA	1	13.5	70	1	50 W	1.1	17.98	30
008-1E4-2	240/1/60	RST55C1E-CAV	1	6.1	33.7	1	50 W	0.76	8.39	15
009-1E4-1	120/1/60	RST64C1E-CFA	1	13.1	77	1	50 W	1.1	17.48	30
009-1E4-2	240/1/60	RST64C1E-CAV	1	8.1	43	1	50 W	0.76	10.89	15
010-1E4-1	120/1/60	RST70C1E-PFA	1	14.4	93	1	50 W	1.1	19.1	30
010-1E4-2	240/1/60	RST70C1E-PFV	1	6.9	46	1	50 W	0.76	9.39	15
010-1E4-5	208-240/3/60	RST70C1E-TA5	1	4.9	36	1	50 W	0.76	6.89	15
015-1E4-2	240/1/60	CS10K6E-PFV	1	9.8	56	1	1/4	2	14.25	20
015-1E4-5	208-240/3/60	CS10K6E-TF5	1	6.7	51	1	1/4	2	10.38	15
015-1E4-9	480/3/60	CS10K6E-TFD	1	3.2	25	1	1/4	1	5	15
018-1E4-2	240/1/60	CS12K6E-PFV	1	9.8	56	1	1/4	2	14.25	20
018-1E4-5	208-240/3/60	CS12K6E-TF5	1	6.7	51	1	1/4	2	10.38	15
025-1E4-2	240/1/60	CS14K6E-PFV	1	11.2	61	1	1/4	2	16	25
025-1E4-5	208-240/3/60	CS14K6E-TF5	1	8.2	55	1	1/4	2	12.25	20
025-1E4-9	480/3/60	CS14K6E-TFD	1	4.2	28	1	1/4	1	6.25	15
030-1E4-2	240/1/60	CS18K6E-PFV	1	14.4	82	1	1/2	4	22	35
030-1E4-5	208-240/3/60	CS18K6E-TF5	1	9.4	65.5	1	1/2	4	15.75	25
030-1E4-9	480/3/60	CS18K6E-TFD	1	4.2	33	1	1/2	1.7	6.95	15
035-1E4-2	240/1/60	CS20K6E-PFV	1	16.7	96	1	1/2	4	24.88	40
035-1E4-5	208-240/3/60	CS20K6E-TF5	1	10.2	75	1	1/2	4	16.75	25
035-1E4-9	480/3/60	CS20K6E-TFD	1	4.6	40	1	1/2	1.7	7.45	15
040-1E4-2	240/1/60	CS24K6E-PFV	1	20	121	1	1/2	4	29	45
040-1E4-5	208-240/3/60	CS24K6E-TF5	1	12.6	105	1	1/2	4	19.75	30
040-1E4-9	480/3/60	CS24K6E-TFD	1	5.8	52	1	1/2	1.7	8.95	15
045-1E4-2	240/1/60	CS27K6E-PFV	1	21.5	121	1	1/2	4	30.88	50
045-1E4-5	208-240/3/60	CS27K6E-TF5	1	13.7	105	1	1/2	4	21.13	30
045-1E4-8	600/3/60	CS27K6E-TFE	1	5.3	38.6	1	1/2	1.3	7.93	15
045-1E4-9	480/3/60	CS27K6E-TFD	1	7.6	52	1	1/2	1.7	11.2	15
049-1E4-2	240/1/60	CS27K6E-PFV	1	21.5	121	1	1/2	4	30.88	50
049-1E4-5	208-240/3/60	CS27K6E-TF5	1	13.7	105	1	1/2	4	21.13	30
049-1E4-8	600/3/60	CS27K6E-TFE	1	5.3	38.6	1	1/2	1.3	7.93	15
049-1E4-9	480/3/60	CS27K6E-TFD	1	7.6	52	1	1/2	1.7	11.2	15
050-1E4-2	240/1/60	CS33K6E-PFV	1	27.6	125	1	1/2	4	38.5	60
050-1E4-5	208-240/3/60	CS33K6E-TF5	1	16.8	102	1	1/2	4	25	40
050-1E4-8	600/3/60	CS33K6E-TFE	1	5.3	38.6	1	1/2	1.3	7.93	15
050-1E4-9	480/3/60	CS33K6E-TFD	1	8.8	48	1	1/2	1.7	12.7	20

ELECTRICAL TABLE
IEH/OEH MEDIUM TEMPERATURE R-448A & R-449A

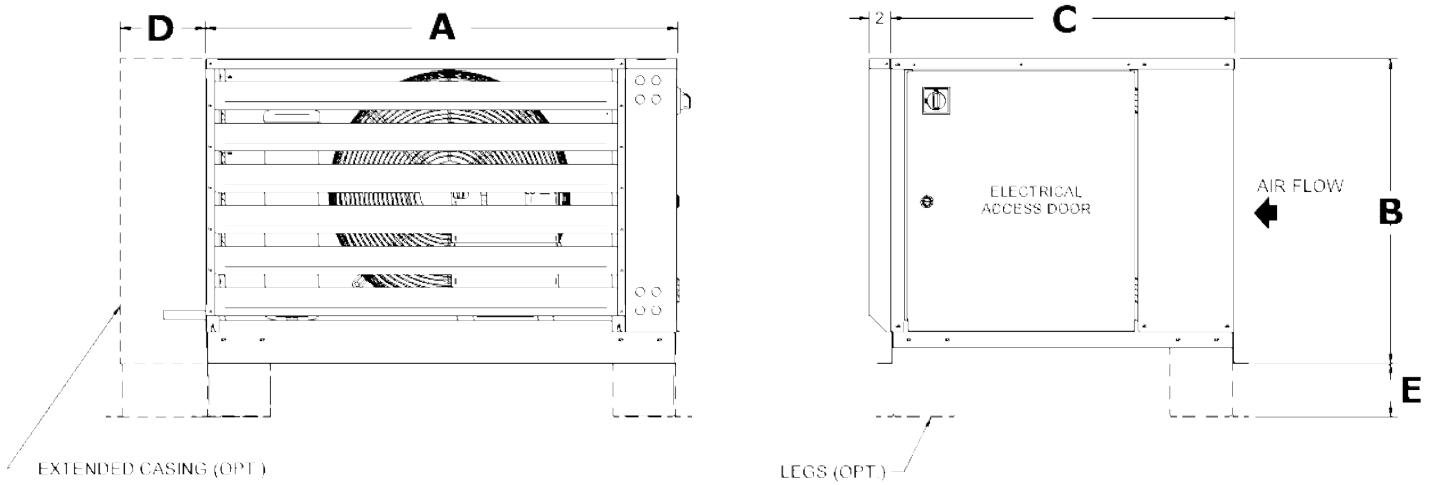
MODEL	VOLTAGE	COMPRESSOR				CONDENSER FAN			MCA	FUSE
		MODEL	QTY	RLA	LRA	QTY	HP	FLA		
002-1MA-1	120/1/60	ASE12C4E-IAA	1	3.6	26	1	50 W	1.1	5.6	15
008-1MA-2	240/1/60	RST55C1E-CAV	1	6.1	33.7	1	50 W	0.76	8.39	15
015-1MA-2	240/1/60	CS10K6E-PFV	1	9.8	56	1	1/4	2	14.25	20
015-1MA-5	208-240/3/60	CS10K6E-TF5	1	6.7	51	1	1/4	2	10.38	15
015-1MA-9	480/3/60	CS10K6E-TFD	1	3.2	25	1	1/4	1	5	15
018-1MA-2	240/1/60	CS12K6E-PFV	1	9.8	56	1	1/4	2	14.25	20
018-1MA-5	208-240/3/60	CS12K6E-TF5	1	6.7	51	1	1/4	2	10.38	15
025-1MA-2	240/1/60	CS14K6E-PFV	1	11.2	61	1	1/4	2	16	25
025-1MA-5	208-240/3/60	CS14K6E-TF5	1	8.2	55	1	1/4	2	12.25	20
025-1MA-9	480/3/60	CS14K6E-TFD	1	4.2	28	1	1/4	1	6.25	15
030-1MA-2	240/1/60	CS18K6E-PFV	1	14.4	82	1	1/2	4	22	35
030-1MA-5	208-240/3/60	CS18K6E-TF5	1	9.4	65.5	1	1/2	4	15.75	25
030-1MA-9	480/3/60	CS18K6E-TFD	1	4.2	33	1	1/2	1.7	6.95	15
035-1MA-2	240/1/60	CS20K6E-PFV	1	16.7	96	1	1/2	4	24.88	40
035-1MA-5	208-240/3/60	CS20K6E-TF5	1	10.2	75	1	1/2	4	16.75	25
035-1MA-9	480/3/60	CS20K6E-TFD	1	4.6	40	1	1/2	1.7	7.45	15
040-1MA-2	240/1/60	CS24K6E-PFV	1	20	121	1	1/2	4	29	45
040-1MA-5	208-240/3/60	CS24K6E-TF5	1	12.6	105	1	1/2	4	19.75	30
040-1MA-9	480/3/60	CS24K6E-TFD	1	5.8	52	1	1/2	1.7	8.95	15

DIMENSION DRAWINGS

IEH



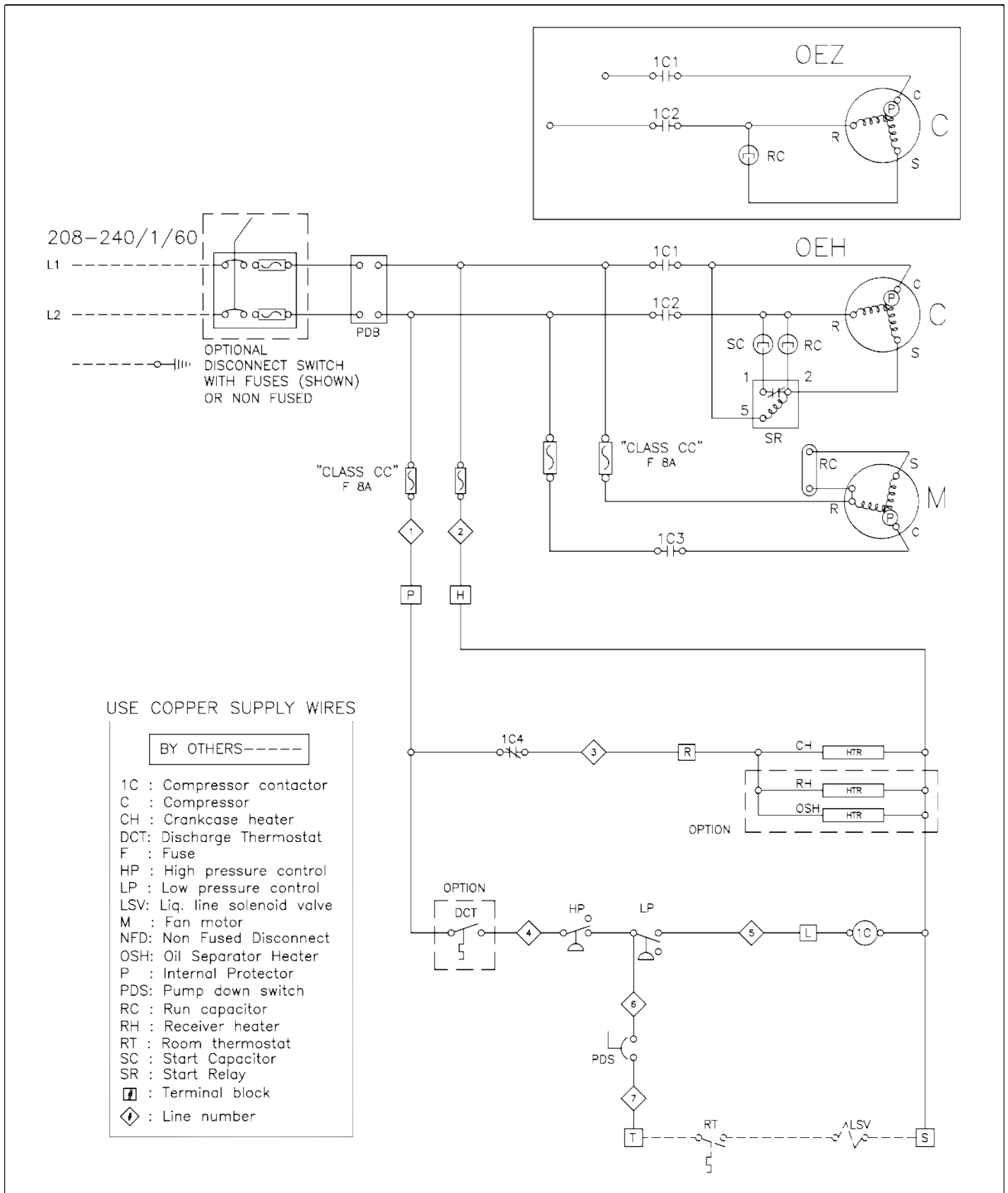
OEH



IEH-OEH

	A	B	C	D	E
002-010	28 1/4"	22 5/8"	30 1/4"	8"	5"
011-025	32 1/4"	28 5/8"	32 1/4"	8"	5"
026-045	44 1/4"	28 5/8"	32 1/4"	8"	5"
046-060	44 1/4"	38 5/8"	32 1/4"	8"	5"

WIRING DIAGRAM





The RefPlus EcoEfficient+ program aims to improve your environmental footprint by reducing refrigerant leakage, noise and power consumption with uncompromised performance.

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