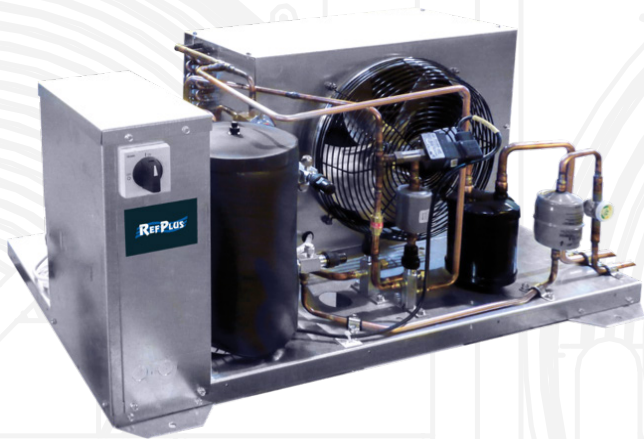


REFPLUS

AIR COOLED CONDENSING UNIT



ILH



OLH

HERMETIC - LOW HEIGHT

INDOOR AND OUTDOOR

Copeland
brand products



Intertek

Certified ISO-9001

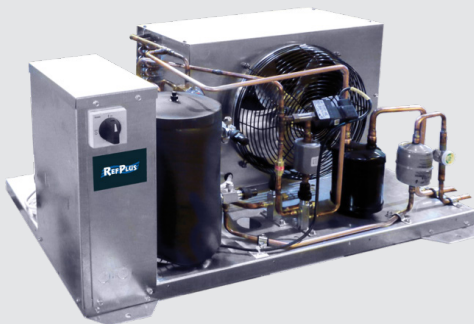
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AIR COOLED CONDENSER

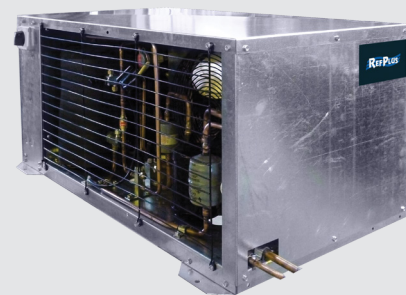
INDOOR AND OUTDOOR

ILH

OLH

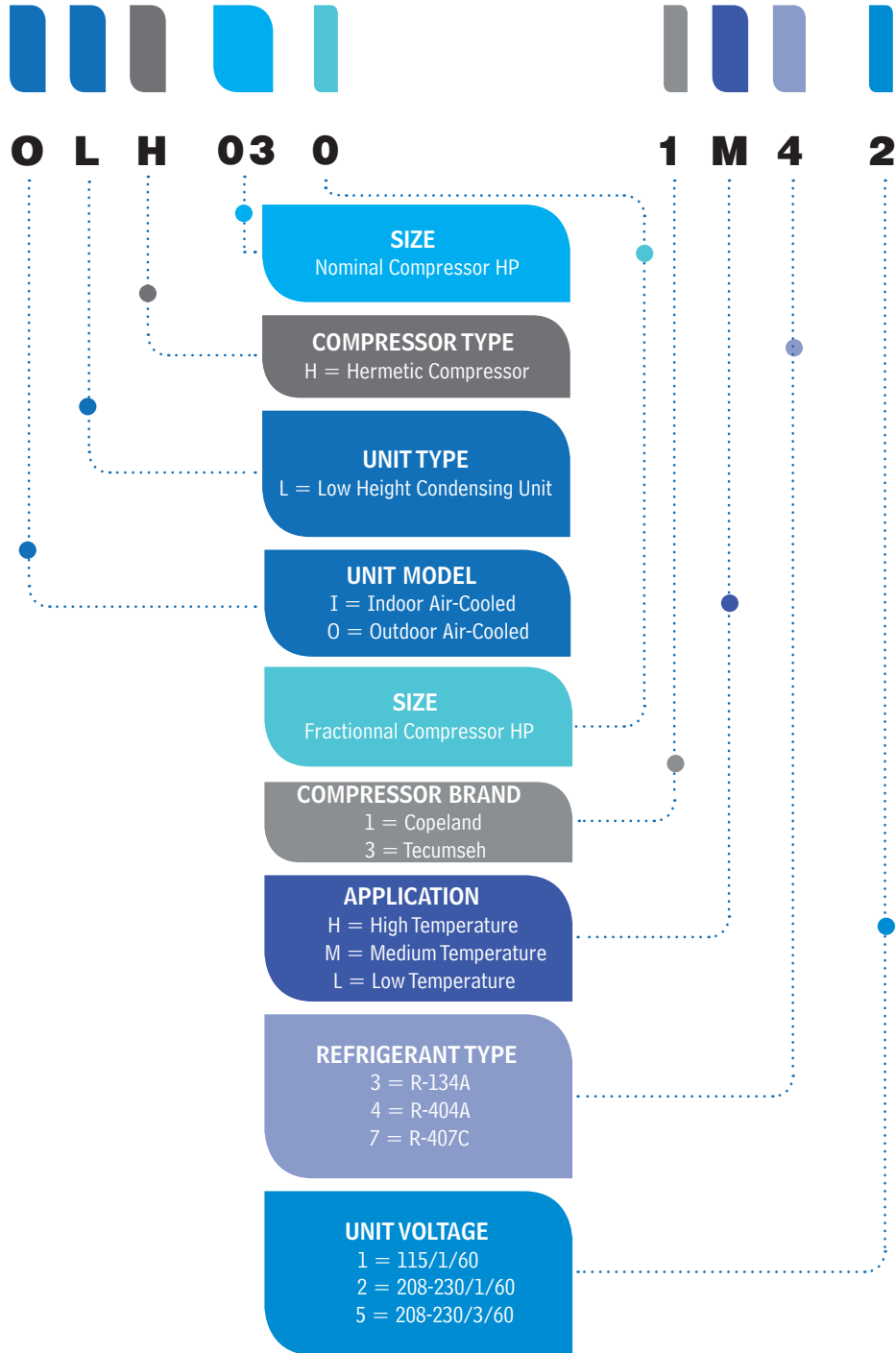


- From 3/4 HP to 3 HP
- High, medium and low temperature application
- For indoor use
- Copeland Hermetic Compressor



- From 3/4 HP to 3 HP
- High, medium and low temperature application
- For Outdoor use
- Copeland Hermetic Compressor

NOMENCLATURE



FEATURES

STANDARD FEATURES

- Heavy-gauge galvanized steel base
- Galvanized outdoor protective cabinet (OLH)
- Fixed head pressure flooding valve (OLH)
- Liquid Receiver with isolating valves and fusible plug
- Direct-drive totally enclosed and thermally protected condenser fan motors
- Aluminum fan blade
- Steel wire fan guards
- Rubber-mounted hermetic compressor
- Crankcase heaters
- Compressor discharge thermostat
- Electrical control panel complete with compressor and fan contactors, pump-down switch and terminal block
- Manual reset, fix, high pressure switch
- Automatic reset, adjustable low pressure switch with flexible hose
- 208-230/1/60 control circuit
- Suction accumulator (OLH)
- Discharge check valve

FACTORY INSTALLED OPTIONS

- Low ambient kit: heated and insulated receiver
- Liquid line kit: liquid drier (sealed), sight glass/moisture indicator (installed) and liquid line solenoid valve (shipped loose)
- Suction filter (sealed)
- Oil separator, recommended for -10°F/-23°C room and lower
- Fixed flooding valve (ILH)
- Non-fused disconnect switch
- Leg kit
- Suction accumulator
- Electric defrost timer (shipped loose)
- Air defrost timer (shipped loose)

CAPACITY TABLE

COPELAND HIGH R-407C

ILH/OLH (002 To 030) High Temperature, R-407C																	
Model Compressor	Amb. Temp.	Saturated Suction Temp. °F (MBH)								Line Size		Receiver (Lb.)		Ref. Charge (Lb.)		Shipping Weight (lb.)*	
		10°F	15°F	20°F	25°F	30°F	35°F	40°F	45°F	Suc.	Liq.	Std.	Opt.	Summer	Winter	ILH	OLH
002-1H7 ASE12C4E	90°F	1.3	1.5	1.7	1.9	2.1	2.3	2.6	2.9	3/8	1/4	5.7	9.5	0.6	1.51	107	132
	95°F	1.3	1.4	1.6	1.8	2.0	2.2	2.5	2.8								
	100°F	1.2	1.4	1.5	1.7	1.9	2.2	2.4	2.6								
	105°F	1.1	1.3	1.5	1.7	1.9	2.1	2.3	2.5								
003-1H7 ASE19C4E	90°F	1.8	2.0	2.3	2.6	2.9	3.2	3.6	3.9	3/8	1/4	5.7	9.5	0.6	1.51	108	133
	95°F	1.7	2.0	2.2	2.5	2.8	3.1	3.4	3.8								
	100°F	1.7	1.9	2.1	2.4	2.7	3.0	3.3	3.6								
	105°F	1.6	1.8	2.0	2.3	2.5	2.8	3.1	3.5								
005-1H7 ASE26C4E	90°F	2.4	2.7	3.1	3.5	3.9	4.3	4.7	5.2	1/2	1/4	5.7	9.5	0.6	1.51	109	134
	95°F	2.3	2.6	3.0	3.3	3.7	4.1	4.6	5.0								
	100°F	2.2	2.5	2.8	3.2	3.5	3.9	4.4	4.8								
	105°F	2.1	2.4	2.7	3.0	3.4	3.8	4.2	4.6								
007-1H7 RST45C1E	90°F	3.8	4.3	4.8	5.4	6.1	6.8	7.5	8.3	1/2	1/4	5.7	9.5	0.6	1.51	122	147
	95°F	3.6	4.1	4.6	5.2	5.8	6.5	7.2	7.9								
	100°F	3.4	3.9	4.4	5.0	5.6	6.2	6.9	7.5								
	105°F	3.2	3.7	4.2	4.7	5.3	5.9	6.5	7.2								
008-1H7 RST55C1E	90°F	4.5	5.1	5.7	6.4	7.1	7.9	8.7	9.6	1/2	3/8	5.7	9.5	0.6	1.51	123	148
	95°F	4.3	4.9	5.5	6.1	6.8	7.5	8.3	9.1								
	100°F	4.1	4.7	5.2	5.8	6.5	7.2	7.9	N/A								
	105°F	3.9	4.4	5.0	5.5	6.2	6.8	N/A	N/A								
009-1H7 RST64C1E	90°F	6.0	6.8	7.7	8.6	9.6	10.6	11.7	12.9	1/2	3/8	9.5	15.2 (1)	1.21	3.02	133	158
	95°F	5.8	6.5	7.3	8.2	9.1	10.1	11.2	12.3								
	100°F	5.5	6.2	7.0	7.8	8.7	9.7	10.7	11.7								
	105°F	5.2	5.9	6.6	7.4	8.3	9.2	10.1	N/A								
010-1H7 RST70C1E	90°F	6.2	7.0	7.8	8.7	9.7	10.7	11.8	13.0	1/2	3/8	9.5	15.2 (1)	1.21	3.02	135	160
	95°F	5.9	6.7	7.5	8.4	9.3	10.3	11.3	12.4								
	100°F	5.7	6.4	7.2	8.0	8.9	9.8	10.8	11.8								
	105°F	5.4	6.1	6.8	7.6	8.4	9.3	10.3	N/A								
013-1H7 RST80C1E	90°F	7.1	8.0	8.9	9.9	11.0	12.1	13.3	14.6	5/8	3/8	9.5	15.2 (1)	1.21	3.02	135	160
	95°F	6.8	7.7	8.6	9.5	10.5	11.6	12.7	13.9								
	100°F	6.5	7.3	8.2	9.1	10.0	11.1	12.1	N/A								
	105°F	6.2	6.9	7.8	8.6	9.5	10.5	N/A	N/A								
015-1H7 RST97C1E	90°F	7.9	8.9	10.0	11.1	12.2	13.4	14.7	16.1	5/8	3/8	9.5	15.2 (1)	1.21	3.02	135	160
	95°F	7.6	8.5	9.5	10.6	11.7	12.8	14.0	15.3								
	100°F	7.2	8.1	9.1	10.1	11.1	12.2	N/A	N/A								
	105°F	6.9	7.7	8.6	9.6	10.5	N/A	N/A	N/A								
018-1H7 CR18K6E	90°F	6.9	8.3	9.7	11.3	13.0	14.8	16.8	18.9	5/8	3/8	9.5	15.2 (1)	1.79	4.46	182	212
	95°F	6.4	7.6	9.0	10.5	12.1	13.9	15.8	17.8								
	100°F	5.8	7.0	8.3	9.8	11.3	13.0	14.8	16.8								
	105°F	5.2	6.4	7.6	9.0	10.5	12.1	13.9	15.7								
020-1H7 CR24K6E	90°F	10.6	12.2	13.8	15.4	17.2	19.1	21.0	23.1	5/8	3/8	9.5	15.2 (1)	1.79	4.46	184	214
	95°F	10.1	11.6	13.1	14.8	16.5	18.3	20.1	22.1								
	100°F	9.6	11.0	12.5	14.1	15.7	17.4	19.3	N/A								
	105°F	9.1	10.4	11.9	13.4	15.0	16.6	N/A	N/A								
025-1H7 CR32K6E	90°F	11.9	13.9	15.9	18.1	20.5	23.0	25.6	28.5	7/8	3/8	9.5	15.2 (1)	1.79	4.46	187	217
	95°F	11.1	13.0	15.0	17.1	19.3	21.7	24.2	26.9								
	100°F	10.4	12.2	14.1	16.1	18.1	20.4	22.7	N/A								
	105°F	9.7	11.4	13.2	15.0	17.0	N/A	N/A	N/A								
030-1H7 CR38K6E	90°F	14.8	17.1	19.7	22.4	25.2	28.1	31.1	34.1	7/8	3/8	ILH		2.68	6.69	199	229
	95°F	13.9	16.1	18.5	21.1	23.8	26.6	29.5	32.3			9.5	15.2				
	100°F	13.0	15.0	17.4	19.8	22.4	25.1	27.9	N/A			OLH					
	105°F	12.0	14.0	16.2	18.6	21.1	N/A	N/A	N/A			15.2 (1)	21 (1)				

1. Leg kit is supplied with OLH unit using those receivers.
 2. Receiver holding charge (lb.) is based on 90% full at 90°F.
 3. Refrigerant operating charge is based on 30% liquid, 70% vapor for summer operation and 70% liquid, 30% vapor for winter operation.
 4. Capacity is based on 40°F return gas.
 5. For 50 Hz operation, multiply capacity by 0.85
- * For standard units

NOTES

CAPACITY TABLE

COPELAND HIGH R-134a

ILH/OLH (002 To 030) High Temperature, R-134A																				
Model Compressor	Amb. Temp.	Saturated Suction Temp. °F (MBH)											Line Size		Receiver (Lb.)		Ref. Charge (Lb.)		Shipping Weight (lb.)*	
		0°F	5°F	10°F	15°F	20°F	25°F	30°F	35°F	40°F	45°F	50°F	Suc.	Liq.	Std.	Opt.	Summer	Winter	ILH	OLH
002-1H3 ARB13C3E	90°F	0.7	0.8	0.9	1.0	1.2	1.3	1.5	1.6	1.8	2.0	2.2	3/8	1/4	6.1	10.2	0.61	1.56	108	133
	95°F	0.7	0.8	0.9	1.0	1.1	1.3	1.4	1.6	1.7	1.9	2.1								
	100°F	0.6	0.7	0.8	0.9	1.1	1.2	1.4	1.5	1.7	1.9	2.0								
	105°F	0.6	0.7	0.8	0.9	1.0	1.2	1.3	1.4	1.6	1.8	2.0								
003-1H3 ARB17C3E	90°F	0.8	0.9	1.0	1.2	1.3	1.5	1.6	1.8	2.0	2.2	2.5	3/8	1/4	6.1	10.2	0.61	1.56	109	134
	95°F	0.8	0.9	1.0	1.1	1.3	1.4	1.6	1.8	2.0	2.2	2.4								
	100°F	0.8	0.8	1.0	1.1	1.2	1.4	1.5	1.7	1.9	2.1	2.3								
	105°F	0.7	0.8	0.9	1.0	1.2	1.3	1.5	1.7	1.8	2.0	2.2								
005-1H3 ARE37C4E	90°F	1.1	1.5	1.9	2.3	2.7	3.1	3.5	3.9	4.4	4.9	5.4	1/2	1/4	6.1	10.2	0.61	1.56	111	136
	95°F	1.0	1.4	1.8	2.2	2.6	3.0	3.4	3.8	4.2	4.7	5.2								
	100°F	1.0	1.4	1.7	2.1	2.5	2.8	3.2	3.6	4.0	4.5	5.0								
	105°F	0.9	1.3	1.6	2.0	2.3	2.7	3.1	3.4	3.8	4.3	4.7								
008-1H3 ARE51C1E	90°F	2.1	2.4	2.7	3.1	3.5	4.0	4.4	4.9	5.4	6.0	6.6	1/2	3/8	6.1	10.2	0.61	1.56	111	136
	95°F	2.0	2.3	2.6	3.0	3.4	3.8	4.3	4.7	5.3	5.8	6.4								
	100°F	2.0	2.2	2.5	2.9	3.3	3.7	4.1	4.6	5.1	5.6	6.1								
	105°F	1.9	2.1	2.4	2.8	3.1	3.5	3.9	4.4	4.9	5.4	5.9								
009-1H3 RRT64C1E	90°F	3.0	3.4	3.9	4.4	5.0	5.6	6.2	6.9	7.6	8.4	9.2	1/2	3/8	10.2	16.3	1.22	3.12	131	156
	95°F	2.9	3.3	3.7	4.2	4.8	5.3	6.0	6.6	7.3	8.1	8.8								
	100°F	2.7	3.1	3.6	4.0	4.6	5.1	5.7	6.4	7.0	7.8	8.5								
	105°F	2.6	3.0	3.4	3.9	4.4	4.9	5.5	6.1	6.8	7.5	8.2								
010-1H3 RRT73C1E	90°F	3.4	3.9	4.4	5.0	5.6	6.3	7.0	7.7	8.5	9.4	10.3	1/2	3/8	10.2	16.3	1.22	3.12	134	159
	95°F	3.2	3.7	4.2	4.8	5.4	6.0	6.7	7.4	8.2	9.0	9.9								
	100°F	3.0	3.5	4.0	4.6	5.1	5.8	6.4	7.1	7.9	8.7	9.5								
	105°F	2.9	3.3	3.8	4.4	4.9	5.5	6.1	6.8	7.5	8.3	9.1								
013-1H3 RRT81C1E	90°F	3.6	4.2	4.8	5.6	6.4	7.3	8.2	9.1	9.9	10.8	11.5	5/8	3/8	10.2	16.3	1.22	3.12	135	160
	95°F	3.4	3.9	4.6	5.3	6.1	6.9	7.8	8.7	9.6	10.4	11.2								
	100°F	3.2	3.7	4.3	5.0	5.8	6.6	7.5	8.3	9.2	10.0	10.8								
	105°F	3.0	3.4	4.0	4.7	5.4	6.3	7.1	8.0	8.8	9.7	10.5								
018-1H3 CS10K6E	90°F	3.7	4.6	5.5	6.6	7.7	9.0	10.4	11.9	13.5	15.3	17.2	5/8	3/8	10.2	16.3	1.81	4.61	183	213
	95°F	3.4	4.2	5.1	6.1	7.3	8.5	9.8	11.3	12.8	14.5	16.4								
	100°F	3.0	3.9	4.7	5.7	6.8	8.0	9.2	10.6	12.1	13.8	15.5								
	105°F	2.7	3.5	4.4	5.3	6.3	7.5	8.7	10.0	11.4	13.0	14.6								
020-1H3 CS12K6E	90°F	4.4	5.4	6.5	7.7	9.0	10.5	12.1	13.9	15.7	17.8	19.9	5/8	3/8	10.2	16.3	1.81	4.61	183	213
	95°F	4.0	4.9	6.0	7.2	8.5	9.9	11.5	13.1	14.9	16.8	18.9								
	100°F	3.6	4.5	5.6	6.7	7.9	9.3	10.8	12.4	14.1	15.9	17.9								
	105°F	3.2	4.1	5.1	6.2	7.4	8.7	10.1	11.6	13.3	15.0	16.9								
025-1H3 CS14K6E	90°F	5.0	6.2	7.5	8.9	10.4	12.1	13.9	15.9	18.0	20.2	22.6	7/8	3/8	10.2	16.3	1.81	4.61	185	215
	95°F	4.6	5.7	6.9	8.3	9.8	11.4	13.1	15.0	17.0	19.2	21.5								
	100°F	4.1	5.2	6.4	7.7	9.1	10.7	12.4	14.2	16.1	18.1	20.3								
	105°F	3.6	4.7	5.9	7.1	8.5	10.0	11.6	13.3	15.1	17.1	19.2								
030-1H3 CS18K6E	90°F	6.3	7.8	9.4	11.1	13.0	15.1	17.4	19.8	22.4	25.2	28.1	7/8	3/8	ILH		2.71	6.92	194	224
	95°F	5.7	7.1	8.7	10.4	12.2	14.2	16.4	18.7	21.2	23.9	26.7			10.3 16.3					
	100°F	5.1	6.5	8.0	9.7	11.4	13.3	15.4	17.6	20.0	22.5	25.2			OLH					
	105°F	4.6	5.9	7.4	8.9	10.6	12.5	14.5	16.6	18.8	21.2	23.8			16.3 22.4					

NOTES

1. Leg kit is supplied with OLH unit using those receivers.
 2. Receiver holding charge (lb.) is based on 90% full at 90°F.
 3. Refrigerant operating charge is based on 30% liquid, 70% vapor for summer operation and 70% liquid, 30% vapor for winter operation.
 4. Capacity is based on 40°F return gas.
 5. For 50 Hz operation, multiply capacity by 0.85
- * For standard units

CAPACITY TABLE

COPELAND MEDIUM R-404A

ILH/OLH (002 To 030) Medium Temperature, R-404A

Model Compressor	Amb. Temp.	Saturated Suction Temp. °F (MBH)									Line Size		Receiver (Lb.)		Ref. Charge (Lb.)		Shipping Weight (lb.)*	
		-10°F	-5°F	0°F	5°F	10°F	15°F	20°F	25°F	30°F	Suc.	Liq.	Std.	Opt.	Summer	Winter	ILH	OLH
002-1M4 ASB12C3E	90°F	0.9	1.0	1.2	1.3	1.5	1.6	1.8	2.0	2.2	3/8	1/4	5.2	8.7	0.58	1.42	91	116
	95°F	0.9	1.0	1.1	1.3	1.4	1.6	1.7	1.9	2.1								
	100°F	0.8	0.9	1.1	1.2	1.3	1.5	1.6	1.8	2.0								
	105°F	0.8	0.9	1.0	1.1	1.3	1.4	1.5	1.7	1.9								
003-1M4 ASE19C3	90°F	1.3	1.5	1.7	1.9	2.1	2.4	2.6	2.9	3.1	3/8	1/4	5.2	8.7	0.58	1.42	88	113
	95°F	1.3	1.5	1.6	1.8	2.0	2.2	2.5	2.7	3.0								
	100°F	1.2	1.4	1.6	1.7	1.9	2.1	2.4	2.6	2.8								
	105°F	1.1	1.3	1.5	1.6	1.8	2.0	2.2	2.5	2.7								
005-1M4 ASE32C3E	90°F	2.2	2.5	2.9	3.2	3.6	3.9	4.4	4.8	5.4	1/2	1/4	5.2	8.7	0.58	1.42	96	121
	95°F	2.1	2.4	2.7	3.0	3.4	3.7	4.1	4.6	5.0								
	100°F	1.9	2.2	2.5	2.9	3.2	3.5	3.9	4.3	4.8								
	105°F	1.8	2.1	2.4	2.7	3.0	3.3	3.7	4.1	4.5								
007-1M4 RST45C1E	90°F	2.5	2.9	3.3	3.7	4.1	4.6	5.0	5.5	6.0	1/2	1/4	5.2	8.7	0.58	1.42	102	127
	95°F	2.4	2.7	3.1	3.5	3.9	4.3	4.7	5.2	5.6								
	100°F	2.2	2.5	2.9	3.2	3.6	4.0	4.4	4.8	5.3								
	105°F	2.0	2.3	2.7	3.0	3.4	3.7	4.1	4.5	4.9								
008-1M4 RST55C1E	90°F	3.0	3.4	3.9	4.3	4.8	5.3	5.9	6.4	7.0	1/2	3/8	5.2	8.7	0.58	1.42	103	128
	95°F	2.8	3.2	3.6	4.1	4.5	5.0	5.5	6.0	6.5								
	100°F	2.6	3.0	3.4	3.8	4.2	4.7	5.2	5.6	6.1								
	105°F	2.4	2.8	3.2	3.6	4.0	4.4	4.8	5.3	5.7								
009-1M4 RST64C1E	90°F	4.1	4.7	5.3	5.9	6.5	7.2	7.9	8.6	9.3	1/2	3/8	8.7	13.9 (1)	1.16	2.84	113	138
	95°F	3.9	4.4	5.0	5.5	6.2	6.8	7.4	8.1	8.7								
	100°F	3.6	4.1	4.7	5.2	5.8	6.4	7.0	7.6	8.2								
	105°F	3.4	3.9	4.4	4.9	5.4	6.0	6.6	7.1	7.7								
010-1M4 RST70C1E	90°F	4.2	4.8	5.4	6.1	6.8	7.5	8.2	9.0	9.8	1/2	3/8	8.7	13.9 (1)	1.16	2.84	115	140
	95°F	3.9	4.5	5.1	5.7	6.4	7.1	7.8	8.5	9.2								
	100°F	3.7	4.2	4.8	5.4	6.0	6.6	7.3	8.0	8.7								
	105°F	3.4	3.9	4.5	5.0	5.6	6.2	6.8	7.5	8.1								
013-1M4 RST80C1E	90°F	4.9	5.5	6.2	6.9	7.6	8.4	9.2	10.1	10.9	5/8	3/8	8.7	13.9 (1)	1.16	2.84	115	140
	95°F	4.6	5.2	5.8	6.5	7.2	7.9	8.7	9.5	10.3								
	100°F	4.3	4.8	5.4	6.1	6.7	7.4	8.1	8.9	9.6								
	105°F	4.0	4.5	5.1	5.7	6.3	6.9	7.6	8.3	9.0								
015-1M4 RST97C1E	90°F	5.5	6.2	6.9	7.7	8.6	9.4	10.2	11.1	11.9	5/8	3/8	8.7	13.9 (1)	1.16	2.84	115	140
	95°F	5.1	5.8	6.5	7.3	8.1	8.8	9.6	10.4	11.2								
	100°F	4.8	5.4	6.1	6.8	7.5	8.3	9.0	9.7	10.5								
	105°F	4.4	5.0	5.7	6.3	7.0	7.7	8.4	9.1	9.7								
018-1M4 CS10K6E	90°F	5.2	6.3	7.4	8.6	9.9	11.2	12.5	13.9	15.2	5/8	3/8	8.7	13.9 (1)	1.72	4.19	153	183
	95°F	4.7	5.7	6.8	8.0	9.2	10.4	11.6	12.9	14.2								
	100°F	4.3	5.2	6.2	7.3	8.4	9.6	10.8	11.9	13.1								
	105°F	3.8	4.7	5.6	6.6	7.7	8.8	9.9	11.0	12.1								
020-1M4 CS12K6E	90°F	6.1	7.3	8.5	9.8	11.2	12.7	14.2	15.9	17.6	5/8	3/8	8.7	13.9 (1)	1.72	4.19	153	183
	95°F	5.6	6.7	7.9	9.1	10.4	11.8	13.2	14.8	16.4								
	100°F	5.1	6.1	7.2	8.4	9.6	10.9	12.3	13.7	15.3								
	105°F	4.5	5.5	6.6	7.7	8.8	10.0	11.3	12.7	14.1								
025-1M4 CS14K6E	90°F	7.6	8.8	10.2	11.6	13.0	14.5	16.0	17.4	18.9	7/8	3/8	8.7	13.9 (1)	1.72	4.19	155	185
	95°F	7.0	8.2	9.5	10.8	12.2	13.5	14.9	16.2	17.6								
	100°F	6.4	7.6	8.8	10.0	11.3	12.5	13.8	15.1	16.3								
	105°F	5.9	6.9	8.1	9.2	10.4	11.6	12.7	13.9	15.0								
030-1M4 CS18K6E	90°F	9.1	10.8	12.5	14.4	16.3	18.2	20.1	22.0	23.8	7/8	3/8	ILH		2.58	6.29	164	194
	95°F	8.3	9.9	11.6	13.3	15.1	16.9	18.7	20.5	22.2			8.7	13.9				
	100°F	7.6	9.0	10.6	12.2	13.9	15.6	17.3	18.9	20.5			OLH					
	105°F	6.9	8.2	9.7	11.2	12.8	14.3	15.9	17.4	18.9			13.9 (1)	19 (1)				

1. Leg kit is supplied with OLH unit using those receivers.
 2. Receiver holding charge (lb.) is based on 90% full at 90°F.
 3. Refrigerant operating charge is based on 30% liquid, 70% vapor for summer operation and 70% liquid, 30% vapor for winter operation.
 4. Capacity is based on 40°F return gas.
 5. For 50 Hz operation, multiply capacity by 0.85
- * For standard units

NOTES

CAPACITY TABLE

COPELAND LOW R-404A

ILH/OLH (004 to 030) LowTemperature, R-404A																		
Model Compressor	Amb. Temp.	Saturated Suction Temp. °F (MBH)									Line Size		Receiver (Lb.)		Ref. Charge (Lb.)		Shipping Weight (lb.)*	
		-30°F	-25°F	-20°F	-15°F	-10°F	-5°F	0°F	5°F	10°F	Suc.	Liq.	Std.	Opt.	Summer	Winter	ILH	OLH
004-1L4 AFE11C3E	90°F	0.7	0.9	1.1	1.3	1.5	1.7	1.9	2.2	2.4	3/8	1/4	5.2	8.7	0.58	1.42	111	136
	95°F	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0	2.3								
	100°F	0.6	0.7	0.9	1.1	1.3	1.5	1.7	1.9	2.1								
	105°F	0.5	0.6	0.8	1.0	1.2	1.3	1.5	1.8	2.0								
005-1L4 AFE13C3E	90°F	1.1	1.3	1.5	1.8	2.0	2.3	2.6	2.9	3.2	3/8	1/4	5.2	8.7	0.58	1.42	112	137
	95°F	1.0	1.2	1.4	1.7	1.9	2.2	2.4	2.7	3.0								
	100°F	0.9	1.1	1.3	1.5	1.8	2.0	2.3	2.5	2.8								
	105°F	0.8	1.0	1.2	1.4	1.6	1.9	2.1	2.4	2.6								
006-1L4 RFT22C1E	90°F	1.5	1.7	2.0	2.4	2.7	3.1	3.5	3.9	4.3	1/2	1/4	5.2	8.7	0.58	1.42	122	147
	95°F	1.4	1.6	1.9	2.2	2.5	2.9	3.2	3.6	4.0								
	100°F	1.3	1.5	1.8	2.1	2.4	2.7	3.0	3.4	3.8								
	105°F	1.2	1.4	1.6	1.9	2.2	2.5	2.8	3.2	3.5								
007-1L4 RFT26C1E	90°F	1.8	2.1	2.4	2.8	3.2	3.6	4.0	4.5	4.9	1/2	1/4	5.2	8.7	0.58	1.42	123	148
	95°F	1.7	2.0	2.3	2.6	3.0	3.4	3.8	4.2	4.7								
	100°F	1.6	1.8	2.1	2.5	2.8	3.2	3.5	3.9	4.4								
	105°F	1.4	1.7	2.0	2.3	2.6	2.9	3.3	3.7	4.1								
010-1L4 CF04K6E	90°F	2.4	3.1	3.8	4.5	5.2	6.0	7.0	8.0	9.1	5/8	3/8	8.7	13.9 (1)	1.16	2.84	162	187
	95°F	2.2	2.8	3.4	4.1	4.7	5.5	6.3	7.3	8.4								
	100°F	1.9	2.5	3.0	3.6	4.3	5.0	5.7	6.6	7.6								
	105°F	1.6	2.1	2.7	3.2	3.8	4.4	5.2	6.0	6.9								
020-1L4 CF06K6E	90°F	4.3	5.3	6.4	7.5	8.8	10.1	11.4	12.7	14.0	5/8	3/8	8.7	13.9 (1)	1.72	4.19	187	217
	95°F	3.9	4.8	5.9	7.0	8.2	9.4	10.6	11.9	13.1								
	100°F	3.5	4.4	5.4	6.4	7.5	8.7	9.9	11.0	12.2								
	105°F	3.2	4.0	4.9	5.9	6.9	8.0	9.1	10.2	11.3								
025-1L4 CF09K6E	90°F	5.9	7.2	8.6	10.1	11.7	13.3	15.0	16.6	18.2	7/8	3/8	8.7	13.9 (1)	2.58	6.29	190	220
	95°F	5.4	6.6	8.0	9.4	10.9	12.4	13.9	15.5	17.0								
	100°F	4.9	6.1	7.3	8.7	10.1	11.5	12.9	14.3	15.7								
	105°F	4.5	5.6	6.7	8.0	9.2	10.6	11.9	13.2	14.5								
030-1L4 CF12K6E	90°F	7.9	9.6	11.3	13.0	14.8	16.6	18.4	20.2	22.0	7/8	3/8	ILH		2.58	6.29	198	228
	95°F	7.2	8.8	10.5	12.1	13.7	15.4	17.1	18.8	20.5			8.7	13.9				
	100°F	6.6	8.1	9.7	11.2	12.7	14.3	15.8	17.4	19.0			OLH					
	105°F	6.0	7.5	8.9	10.3	11.8	13.2	14.6	16.0	17.4			13.9 (1)	19 (1)				

NOTES

1. Leg kit is supplied with OLH unit using those receivers.
2. Receiver holding charge (lb.) is based on 90% full at 90°F.
3. Refrigerant operating charge is based on 30% liquid, 70% vapor for summer operation and 70% liquid, 30% vapor for winter operation.
4. Capacity is based on 40°F return gas.
5. For 50 Hz operation, multiply capacity by 0.85
- * For standard units

CAPACITY TABLE

TECUMSEH HIGH R-407C

ILH/OLH (018 To 030) High Temperature, R-407C																	
Model Compressor	Amb. Temp.	Saturated Suction Temp. °F (MBH)								Line Size		Receiver (Lb.)		Ref. Charge (Lb.)		Shipping Weight (lb.)*	
		10°F	15°F	20°F	25°F	30°F	35°F	40°F	45°F	Suc.	Liq.	Std.	Opt.	Summer	Winter	ILH	OLH
018-3H7 AWG5520WX	90°F	8.1	9.1	10.4	11.9	13.7	15.6	17.5	19.5	5/8	3/8	9.5	15.2 (1)	1.79	4.46	172	197
	95°F	7.6	8.6	9.9	11.4	13.1	14.9	16.8	18.6								
	100°F	7.2	8.1	9.4	10.9	12.5	14.2	15.9	17.6								
	105°F	6.6	7.6	8.8	10.2	11.8	13.4	15.0	16.6								
020-3H7 AWG5524WX	90°F	8.6	10.1	11.8	13.7	15.8	18.0	20.2	22.4	5/8	3/8	9.5	15.2 (1)	1.79	4.46	176	201
	95°F	7.8	9.3	11.1	13.0	15.0	17.1	19.2	21.3								
	100°F	7.1	8.6	10.3	12.2	14.2	16.2	18.2	20.2								
	105°F	6.4	7.9	9.6	11.5	13.4	15.4	17.3	19.1								
025-3H7 AWG5530WX	90°F	11.7	13.7	15.7	17.7	19.6	21.7	23.8	26.2	7/8	3/8	9.5	15.2 (1)	1.79	4.46	184	214
	95°F	11.0	13.0	14.9	16.8	18.7	20.6	22.7	25.0								
	100°F	10.3	12.3	14.1	15.9	17.8	19.7	21.7	N/D								
	105°F	9.7	11.6	13.4	15.1	16.9	N/D	N/D	N/D								
030-3H7 AVA5538WX	90°F	17.0	19.5	22.2	25.2	28.4	31.7	35.1	N/D	7/8	3/8	ILH		2.58	6.29	212	242
	95°F	16.0	18.4	21.1	23.9	27.0	30.2	N/D	N/D			9.5	15.2				
	100°F	14.9	17.3	19.9	22.6	25.6	N/D	N/D	N/D			OLH					
	105°F	13.9	16.2	18.7	21.4	N/D	N/D	N/D	N/D			15.2 (1)	21 (1)				

NOTES

1. Leg kit is supplied with OLH unit using those receivers.
2. Receiver holding charge (lb.) is based on 90% full at 90°F.
3. Refrigerant operating charge is based on 30% liquid, 70% vapor for summer operation and 70% liquid, 30% vapor for winter operation.
4. Capacity is based on 40°F return gas.
5. For 50 Hz operation, multiply capacity by 0.85
- * For standard units

CAPACITY TABLE

TECUMSEH MEDIUM R-404A

ILH/OLH (006 To 030) Medium Temperature, R-404A

Model Compressor	Amb. Temp.	Saturated Suction Temp. °F (MBH)							Line Size		Receiver (Lb.)		Ref. Charge (Lb.)		Shipping Weight (lb.)*	
		0°F	5°F	10°F	15°F	20°F	25°F	30°F	Suc.	Liq.	Std.	Opt.	Summer	Winter	ILH	OLH
006-3M4 AKA9451ZX	90°F	3.5	4.2	4.8	5.5	6.1	6.8	7.5	1/2	1/4	5.2	8.7	0.58	1.42	130	155
	95°F	3.3	3.9	4.5	5.1	5.7	6.3	7.0								
	100°F	3.1	3.7	4.2	4.8	5.3	5.9	6.5								
	105°F	2.9	3.4	3.9	4.4	5.0	5.5	6.0								
009-3M4 AKA9455ZX	90°F	3.9	4.4	5.1	5.9	6.6	7.4	8.0	1/2	3/8	8.7	13.9 (1)	1.16	2.84	129	154
	95°F	3.5	4.1	4.7	5.4	6.2	6.9	7.5								
	100°F	3.2	3.7	4.4	5.1	5.8	6.5	7.1								
	105°F	2.9	3.4	4.0	4.7	5.4	6.0	6.6								
010-3M4 AKA9462ZX	90°F	4.3	4.9	5.6	6.4	7.3	8.2	9.0	1/2	3/8	8.7	13.9 (1)	1.16	2.84	129	154
	95°F	3.9	4.5	5.2	6.0	6.9	7.7	8.5								
	100°F	3.5	4.2	4.9	5.7	6.4	7.2	7.9								
	105°F	3.3	3.9	4.6	5.3	6.0	6.6	7.2								
015-3M4 AWA9490ZX	90°F	6.2	7.1	8.1	9.0	10.1	11.1	12.3	5/8	3/8	8.7	13.9 (1)	1.16	2.84	162	187
	95°F	5.7	6.5	7.4	8.3	9.3	10.3	11.3								
	100°F	5.1	6.0	6.8	7.6	8.5	9.4	10.4								
	105°F	4.6	5.4	6.1	6.9	7.7	8.5	9.5								
020-3M4 AWA7512ZX	90°F	8.4	9.6	10.9	12.3	13.8	15.3	16.9	5/8	3/8	8.7	13.9 (1)	1.72	4.19	186	216
	95°F	7.7	8.9	10.1	11.5	12.8	14.3	15.7								
	100°F	7.1	8.2	9.4	10.6	11.9	13.2	14.6								
	105°F	6.5	7.5	8.6	9.7	10.9	12.2	13.4								
025-3M4 AWA7515ZX	90°F	10.5	11.9	13.5	15.1	16.7	18.4	20.0	7/8	3/8	8.7	13.9 (1)	1.72	4.19	195	225
	95°F	9.8	11.2	12.6	14.1	15.7	17.2	18.7								
	100°F	9.3	10.5	11.8	13.2	14.6	16.0	17.5								
	105°F	8.7	9.8	11.0	12.2	13.5	14.8	16.1								
030-3M4 AWA9519ZX	90°F	9.1	13.1	16.5	19.6	22.2	24.7	26.9	7/8	3/8	ILH		2.58	6.29	211	241
	95°F	7.9	11.7	15.2	18.2	20.8	23.1	25.2			8.7	13.9				
	100°F	6.6	10.4	13.8	16.7	19.3	21.5	23.5			OLH					
	105°F	5.2	9.1	12.4	15.3	17.8	19.9	21.8			13.9 (1)	19 (1)				

NOTES

1. Leg kit is supplied with OLH unit using those receivers.
2. Receiver holding charge (lb.) is based on 90% full at 90°F.
3. Refrigerant operating charge is based on 30% liquid, 70% vapor for summer operation and 70% liquid, 30% vapor for winter operation.
4. Capacity is based on 40°F return gas.
5. For 50 Hz operation, multiply capacity by 0.85
- * For standard units

CAPACITY TABLE

TECUMSEH LOW R-404A

ILH/OLH (006 To 030) Low Temperature, R-404A

Model Compressor	Amb. Temp.	Saturated Suction Temp. °F (MBH)							Line Size		Receiver (Lb.)		Ref. Charge (Lb.)		Shipping Weight (lb.)*	
		-30°F	-25°F	-20°F	-15°F	-10°F	-5°F	0°F	Suc.	Liq.	Std.	Opt.	Summer	Winter	ILH	OLH
006-3L4 AJA2425ZX	90°F	1.5	1.9	2.3	2.8	3.3	3.9	4.5	1/2	1/4	5.2	8.7	0.58	1.42	135	160
	95°F	1.3	1.7	2.1	2.5	3.0	3.5	4.1								
	100°F	1.1	1.5	1.9	2.3	2.8	3.2	3.8								
	105°F	1.0	1.3	1.7	2.1	2.5	3.0	3.5								
007-3L4 AWA2440ZX	90°F	2.2	2.8	3.4	4.0	4.7	5.4	6.1	1/2	1/4	5.2	8.7	0.58	1.42	153	178
	95°F	2.0	2.5	3.0	3.6	4.2	4.9	5.5								
	100°F	1.8	2.2	2.7	3.2	3.8	4.4	5.0								
	105°F	1.5	1.9	2.4	2.9	3.4	3.9	4.5								
008-3L4 AWA2450ZX	90°F	2.5	3.1	3.8	4.5	5.3	6.1	6.9	1/2	1/4	5.2	8.7	0.58	1.42	157	182
	95°F	2.2	2.8	3.4	4.1	4.8	5.6	6.3								
	100°F	1.9	2.4	3.0	3.7	4.3	5.0	5.8								
	105°F	1.6	2.1	2.7	3.3	3.9	4.5	5.2								
015-3L4 AWA2460ZX	90°F	3.9	4.7	5.6	6.5	7.4	8.4	9.5	5/8	3/8	8.7	13.9 (1)	1.16	2.84	168	193
	95°F	3.5	4.2	5.0	5.9	6.8	7.7	8.7								
	100°F	3.0	3.7	4.5	5.3	6.1	7.0	7.9								
	105°F	2.6	3.2	3.9	4.7	5.5	6.3	7.2								
025-3L4 AWA2490ZX	90°F	6.3	7.5	8.8	10.1	11.6	13.1	14.7	5/8	3/8	8.7	13.9 (1)	1.72	4.19	215	245
	95°F	5.8	6.9	8.1	9.3	10.7	12.1	13.6								
	100°F	5.2	6.3	7.4	8.5	9.8	11.1	12.5								
	105°F	4.7	5.6	6.7	7.8	8.9	10.1	11.4								
030-3L4 AWA2512ZX	90°F	8.2	9.7	11.3	13.0	14.8	16.6	18.6	7/8	3/8	ILH		2.58	6.29	223	253
	95°F	7.4	8.9	10.4	11.9	13.6	15.3	17.2			8.7	13.9				
	100°F	6.7	8.1	9.4	10.9	12.5	14.1	15.8			OLH					
	105°F	6.0	7.3	8.5	9.9	11.3	12.9	14.5			13.9 (1)	19 (1)				

NOTES

1. Leg kit is supplied with OLH unit using those receivers.
2. Receiver holding charge (lb.) is based on 90% full at 90°F.
3. Refrigerant operating charge is based on 30% liquid, 70% vapor for summer operation and 70% liquid, 30% vapor for winter operation.
4. Capacity is based on 40°F return gas.
5. For 50 Hz operation, multiply capacity by 0.85
- * For standard units

ILH/OLH High Temperature R-407C

Model Number	Voltage	Compressor				Condenser Fan Motor			MCA(1)	MOP(1)	Disc. Sw.
		Model	Qty	RLA	LRA	Qty	WATTS	FLA			
002-1H7	115/1/60	ASE12C4E-IAA	1	3.9	26	1	62	1.0	5.9	15	30
003-1H7	115/1/60	ASE19C3E-IAA	1	5.6	26.5	1	62	1.0	8.0	15	30
005-1H7	115/1/60	ASE26C4E-IAA	1	7.5	38	1	62	1.0	10.4	15	30
007-1H7	115/1/60	RST45C1E-CAA	1	10.5	54.5	1	62	1.0	14.1	20	30
007-1H7	208-230/1/60	RST45C1E-CAV	1	5.1	26.5	1	62	0.5	6.9	15	30
008-1H7	115/1/60	RST55C1E-CAA	1	15	70	1	62	1	19.8	30	30
008-1H7	208-230/1/60	RST55C1E-CAV	1	6.8	33.7	1	62	0.5	9.0	15	30
009-1H7	115/1/60	RST64C1E-CFA	1	14.6	77	1	62	1	19.3	30	30
009-1H7	208-230/1/60	RST64C1E-CAV	1	9	43	1	62	0.5	11.8	20	30
010-1H7	208-230/1/60	RST70C1E-PFV	1	7.7	46	1	62	0.5	10.1	15	30
010-1H7	208-230/3/60	RST70C1E-TA5	1	4.9	36	1	62	0.5	6.6	15	30
013-1H7	208-230/1/60	RST80C1E-PFV	1	9.3	46	1	62	0.5	12.1	20	30
015-1H7	208-230/1/60	RST97C1E-PFV	1	10	51	1	62	0.5	13.0	20	30
018-1H7	208-230/1/60	CR18K6E-PFV	1	10.4	49	2	62	0.5	14.0	20	30
018-1H7	208-230/3/60	CR18K6E-TF5	1	6.1	49	2	62	0.5	8.6	15	30
020-1H7	208-230/1/60	CR24K6E-PFV	1	11.2	61	2	62	0.5	15.0	20	30
020-1H7	208-230/3/60	CR24K6E-TF5	1	6.9	55	2	62	0.5	9.6	15	30
025-1H7	208-230/1/60	CR32K6E-PFV	1	16.1	82	2	62	0.5	21.1	35	60
025-1H7	208-230/3/60	CR32K6E-TF5	1	10	72	2	62	0.5	13.5	20	30
030-1H7	208-230/1/60	CR38K6E-PFV	1	19	105	2	62	0.5	24.8	40	60
030-1H7	208-230/3/60	CR38K6E-TF5	1	11.9	85	2	62	0.5	15.9	20	30

NOTES

1. MCA : Minimum Circuit Ampacity, MOP: Maximum Overcurrent Protection

ILH/OLH High Temperature R-134A

Model Number	Voltage	Compressor				Condenser Fan Motor			MCA(1)	MOP(1)	Disc. Sw.
		Model	Qty	RLA	LRA	Qty	WATTS	FLA			
002-1H3	115/1/60	ARB13C3E-SAA	1	2.8	20	1	62	1.0	4.5	15	30
003-1H3	115/1/60	ARB17C3E-IAA	1	3.5	19.3	1	62	1.0	5.4	15	30
005-1H3	115/1/60	ARE37C3E-IAA	1	7.2	29	1	62	1.0	10.0	15	30
005-1H3	208-230/1/60	ARE37C3E-IAV	1	3.4	17.3	1	62	0.5	4.8	15	30
008-1H3	115/1/60	ARE51C4E-CAA	1	10.5	48	1	62	1.0	14.1	20	30
008-1H3	208-230/1/60	ARE51C4E-IAV	1	4.9	30	1	62	0.5	6.6	15	30
009-1H3	115/1/60	RRT64C1E-IAA	1	11	45	1	62	0.5	14.3	20	30
009-1H3	208-230/1/60	RRT64C1E-IAV	1	6.4	31	1	62	0.5	8.5	15	30
010-1H3	115/1/60	RRT73C1E-CAA	1	11	54.5	1	62	0.5	14.3	20	30
010-1H3	208-230/1/60	RRT73C1E-CAV	1	8.5	33.7	1	62	0.5	11.1	15	30
013-1H3	208-230/1/60	RRT81C1E-PFV	1	6.5	35	1	62	0.5	8.6	15	30
018-1H3	208-230/1/60	CS10K6E-PFV	1	10.1	56	2	62	0.5	13.6	20	30
018-1H3	208-230/3/60	CS10K6E-TF5	1	7.5	51	2	62	0.5	10.4	15	30
020-1H3	208-230/1/60	CS12K6E-PFV	1	10.9	56	2	62	0.5	14.6	20	30
020-1H3	208-230/3/60	CS12K6E-TF5	1	7.5	51	2	62	0.5	10.4	15	30
025-1H3	208-230/1/60	CS14K6E-PFV	1	12.4	61	2	62	0.5	16.5	20	30
025-1H3	208-230/3/60	CS14K6E-TF5	1	9.1	55	2	62	0.5	12.4	20	30
030-1H3	208-230/1/60	CS18K6E-PFV	1	16	82	2	62	0.5	21.0	35	60
030-1H3	208-230/3/60	CS18K6E-TF5	1	10.4	65.5	2	62	0.5	14.0	20	30

1. MCA : Minimum Circuit Ampacity, MOP: Maximum Overcurrent Protection

NOTES

ILH/OLH Medium Temperature R-404A

Model Number	Voltage	Compressor				Condenser Fan Motor			MCA(1)	MOP(1)	Disc. Sw.
		Model	Qty	RLA	LRA	Qty	WATTS	FLA			
002-1M4	115/1/60	ASE12C4E-IAA	1	3.9	26	1	62	1.0	5.9	15	30
003-1M4	115/1/60	ASE19C3E-IAA	1	5.6	26.5	1	62	1.0	8.0	15	30
005-1M4	115/1/60	ASE32C3E-CAA	1	9.2	33.6	1	62	1.0	12.5	20	30
005-1M4	208-230/1/60	ASE32C3E-CAV	1	4.9	24.8	1	62	0.5	6.6	15	30
007-1M4	115/1/60	RST45C1E-CAA	1	10.5	54.5	1	62	1.0	14.1	20	30
007-1M4	208-230/1/60	RST45C1E-CAV	1	5.1	26.5	1	62	0.5	6.9	15	30
008-1M4	115/1/60	RST55C1E-CAA	1	15	70	1	62	1	19.8	30	30
008-1M4	208-230/1/60	RST55C1E-CAV	1	6.8	33.7	1	62	0.5	9.0	15	30
009-1M4	115/1/60	RST64C1E-CFA	1	14.6	77	1	62	1	19.3	30	30
009-1M4	208-230/1/60	RST64C1E-CAV	1	9	43	1	62	0.5	11.8	20	30
010-1M4	208-230/1/60	RST70C1E-PFV	1	7.7	46	1	62	0.5	10.1	15	30
010-1M4	208-230/3/60	RST70C1E-TA5	1	4.9	36	1	62	0.5	6.6	15	30
013-1M4	208-230/1/60	RST80C1E-PFV	1	9.3	46	1	62	0.5	12.1	20	30
013-1M4	208-230/3/60	RST80C1E-TA5	1	5.7	36	1	62	0.5	7.6	15	30
015-1M4	208-230/1/60	RST97C1E-PFV	1	10	51	1	62	0.5	13.0	20	30
015-1M4	208-230/3/60	RST97C1E-TA5	1	6	36	1	62	0.5	8.0	15	30
018-1M4	208-230/1/60	CS10K6E-PFV	1	10.1	56	2	62	0.5	13.6	20	30
018-1M4	208-230/3/60	CS10K6E-TF5	1	7.5	51	2	62	0.5	10.4	15	30
020-1M4	208-230/1/60	CS12K6E-PFV	1	10.9	56	2	62	0.5	14.6	20	30
020-1M4	208-230/3/60	CS12K6E-TF5	1	7.5	51	2	62	0.5	10.4	15	30
025-1M4	208-230/1/60	CS14K6E-PFV	1	12.4	61	2	62	0.5	16.5	20	30
025-1M4	208-230/3/60	CS14K6E-TF5	1	9.1	55	2	62	0.5	12.4	20	30
030-1M4	208-230/1/60	CS18K6E-PFV	1	16	82	2	62	0.5	21.0	35	60
030-1M4	208-230/3/60	CS18K6E-TF5	1	10.4	65.5	2	62	0.5	14.0	20	30

NOTES

1. MCA : Minimum Circuit Ampacity, MOP: Maximum Overcurrent Protection

ILH/OLH Low Temperature R-404A

Model Number	Voltage	Compressor				Condenser Fan Motor			MCA(1)	MOP(1)	Disc. Sw.
		Model	Qty	RLA	LRA	Qty	WATTS	FLA			
004-1L4	115/1/60	AFE11C3E-IAA	1	5.6	29	1	62	1.0	8.0	15	30
005-1L4	115/1/60	AFE13C3E-IAA	1	6.4	33	1	62	1.0	9.0	15	30
005-1L4	208-230/1/60	AFE13C3E-IAV	1	3.2	21.7	1	62	0.5	4.5	15	30
006-1L4	115/1/60	RFT22C1E-CAA	1	7.9	54.5	1	62	1.0	10.9	15	30
006-1L4	208-230/1/60	RFT22C1E-CAV	1	5.2	29	1	62	0.5	7.0	15	30
007-1L4	115/1/60	RFT26C1E-CAA	1	10.8	66	1	62	1	14.5	20	30
007-1L4	208-230/1/60	RFT26C1E-CAV	1	6.4	35.5	1	62	0.5	8.5	15	30
010-1L4	208-230/1/60	CF04K6E-PFV	1	9.6	59.2	1	62	0.5	12.5	20	30
010-1L4	208-230/3/60	CF04K6E-TF5	1	6.4	52	1	62	0.5	8.5	15	30
020-1L4	208-230/1/60	CF06K6E-PFV	1	11.4	59.2	2	62	0.5	15.3	20	30
020-1L4	208-230/3/60	CF06K6E-TF5	1	7	52	2	62	0.5	9.8	15	30
025-1L4	208-230/1/60	CF09K6E-PFV	1	16.7	87	2	62	0.5	21.9	35	60
025-1L4	208-230/3/60	CF09K6E-TF5	1	10.2	72.2	2	62	0.5	13.8	20	30
030-1L4	208-230/1/60	CF12K6E-PFV	1	20.5	105	2	62	0.5	26.6	45	60
030-1L4	208-230/3/60	CF12K6E-TF5	1	12.3	85	2	62	0.5	16.4	20	30

1. MCA : Minimum Circuit Ampacity, MOP: Maximum Overcurrent Protection

NOTES

ILH/OLH High Temperature R-407C

Model Number	Voltage	Compressor				Condenser Fan Motor			MCA(1)	MOP(1)	Disc. Sw.
		Model	Qty	RLA	LRA	Qty	WATTS	FLA			
018-3H7	208-230/1/60	AWG5520WXN	1	9.3	52	2	62	0.5	12.6	20	30
018-3H7	208-230/3/60	AWG5520WXT	1	5.8	51	2	62	0.5	8.3	15	30
020-3H7	208-230/1/60	AWG5524WXN	1	11	60	2	62	0.5	14.8	20	30
020-3H7	208-230/3/60	AWG5524WXT	1	6.7	50	2	62	0.5	9.4	15	30
025-3H7	208-230/1/60	AWG5530WXN	1	14.4	70	2	62	0.5	19.0	30	30
025-3H7	208-230/3/60	AWG5530WXT	1	8.4	63.4	2	62	0.5	11.5	15	30
030-3H7	208-230/1/60	AVA5538WXN	1	17.2	95	2	62	0.5	22.5	35	60
030-3H7	208-230/3/60	AVA5538WXT	1	10.8	73.4	2	62	0.5	14.5	20	30

NOTES

1. MCA : Minimum Circuit Ampacity, MOP: Maximum Overcurrent Protection

ILH/OLH Medium Temperature R-404A

Model Number	Voltage	Compressor				Condenser Fan Motor			MCA(1)	MOP(1)	Disc. Sw.
		Model	Qty	RLA	LRA	Qty	WATTS	FLA			
006-3M4	115/1/60	AKA9451ZXA	1	9.4	50	1	62	1.0	12.8	20	30
006-3M4	208-230/1/60	AKA9451ZXD	1	5.2	31	1	62	1.0	7.5	15	30
009-3M4	115/1/60	AKA9455ZXA	1	10.1	50	1	62	1.0	13.6	20	30
009-3M4	208-230/1/60	AKA9455ZXD	1	5.7	31	1	62	1.0	8.1	15	30
010-3M4	115/1/60	AKA9462ZXA	1	11.9	68	1	62	0.5	15.4	20	30
010-3M4	208-230/1/60	AKA9462ZXD	1	6.8	34	1	62	1	9.5	15	30
015-3M4	208-230/1/60	AWA9490ZNX	1	7.5	52	1	62	0.5	9.9	20	30
015-3M4	208-230/3/60	AWA9490ZXT	1	4.7	51	1	62	1	6.9	15	30
020-3M4	208-230/1/60	AWA7512ZXD	1	9.55	73	2	62	0.5	12.9	20	30
020-3M4	208-230/3/60	AWA7512ZXT	1	8.04	63.4	2	62	0.5	11.1	15	30
025-3M4	208-230/1/60	AWA7515ZXD	1	12.5	96.8	2	62	0.5	16.6	20	30
025-3M4	208-230/3/60	AWA7515ZXT	1	7.7	63.4	2	62	0.5	10.6	15	30
030-3M4	208-230/1/60	AVA9519ZNX	1	14.5	95	2	62	0.5	19.1	30	30
030-3M4	208-230/3/60	AVA9519ZXT	1	9.4	73.4	2	62	0.5	12.8	20	30

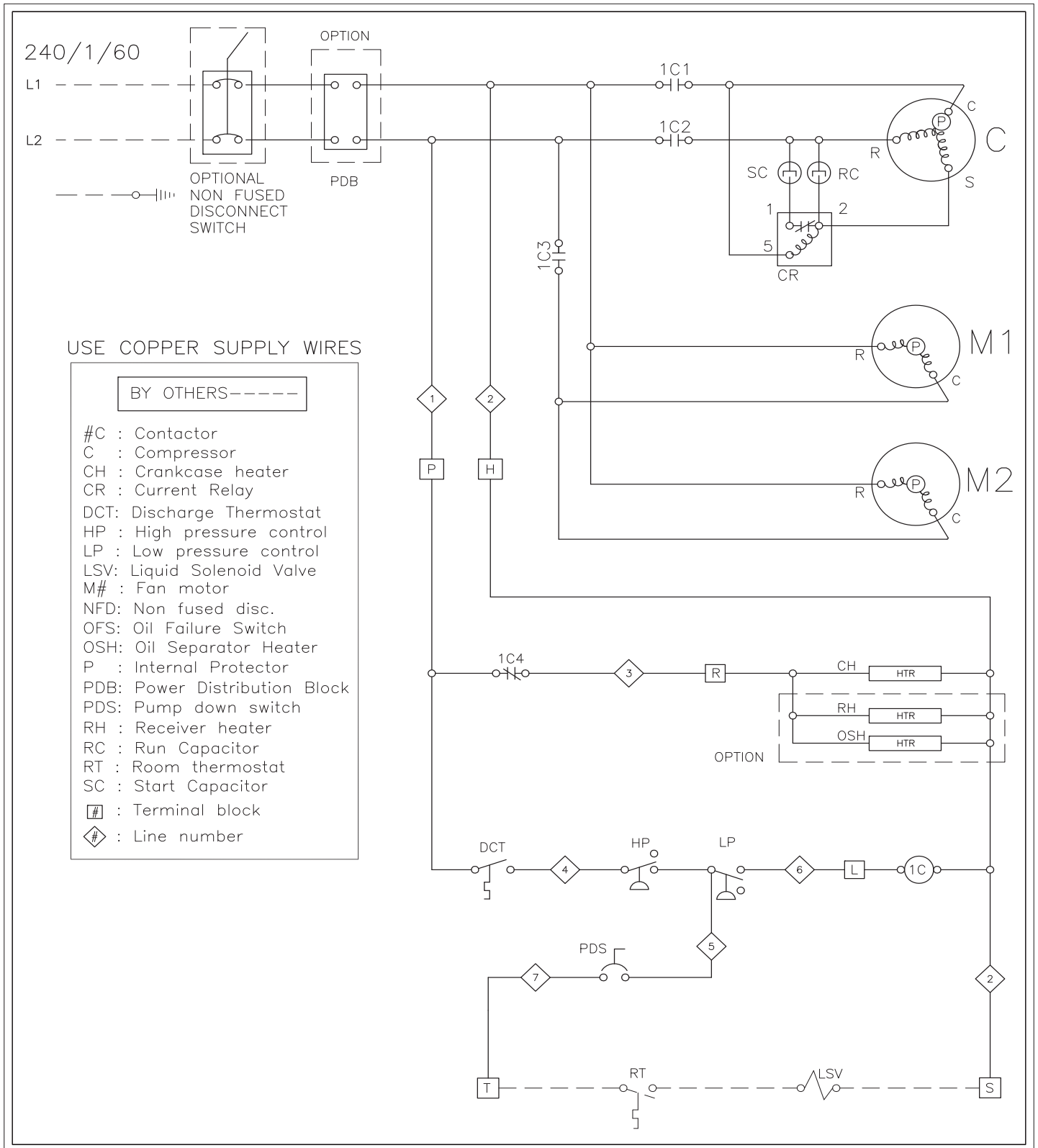
ILH/OLH Low Temperature R-404A

Model Number	Voltage	Compressor				Condenser Fan Motor			MCA(1)	MOP(1)	Disc. Sw.
		Model	Qty	RLA	LRA	Qty	WATTS	FLA			
006-3L4	115/1/60	AJA2425ZXA	1	7.9	68	1	62	1.0	10.9	15	30
006-3L4	208-230/1/60	AJA2425ZXD	1	4.4	38.7	1	62	0.5	6.0	15	30
007-3L4	208-230/1/60	AWA2440ZXD	1	5.13	73	1	62	0.5	6.9	15	30
007-3L4	208-230/3/60	AWA2440ZXT	1	3.8	40.5	1	62	0.5	5.3	15	30
008-3L4	208-230/1/60	AWA2450ZXD	1	5.9	56	1	62	0.5	7.9	15	30
008-3L4	208-230/3/60	AWA2450ZXT	1	4.2	40.5	1	62	0.5	5.8	15	30
015-3L4	208-230/1/60	AWA2460ZXD	1	8.2	86	1	62	0.5	10.8	15	30
015-3L4	208-230/3/60	AWA2460ZXT	1	5.6	63.4	1	62	0.5	7.5	15	30
025-3L4	208-230/1/60	AVA2490ZNX	1	11.4	106.6	2	62	0.5	14.8	20	30
025-3L4	208-230/3/60	AVA2490ZXT	1	7.4	65.1	2	62	0.5	9.8	15	30
030-3L4	208-230/1/60	AVA2512ZNX	1	16.9	120.3	2	62	0.5	21.6	35	60
030-3L4	208-230/3/60	AVA2512ZXT	1	9.3	65.1	2	62	0.5	12.1	20	30

1. MCA : Minimum Circuit Ampacity, MOP: Maximum Overcurrent Protection

NOTES

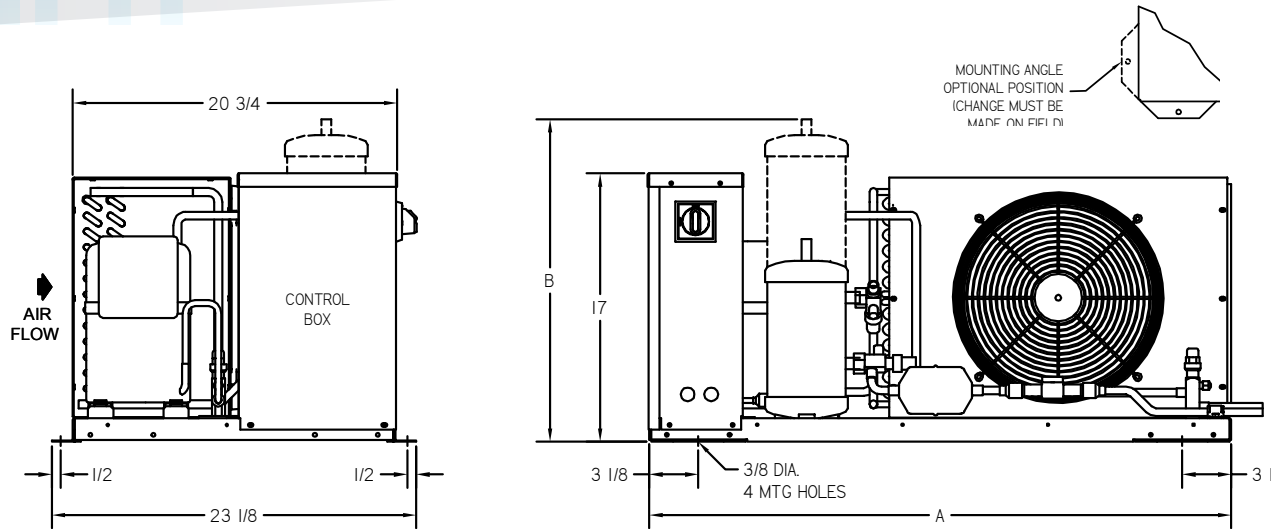
ELECTRICAL DIAGRAM



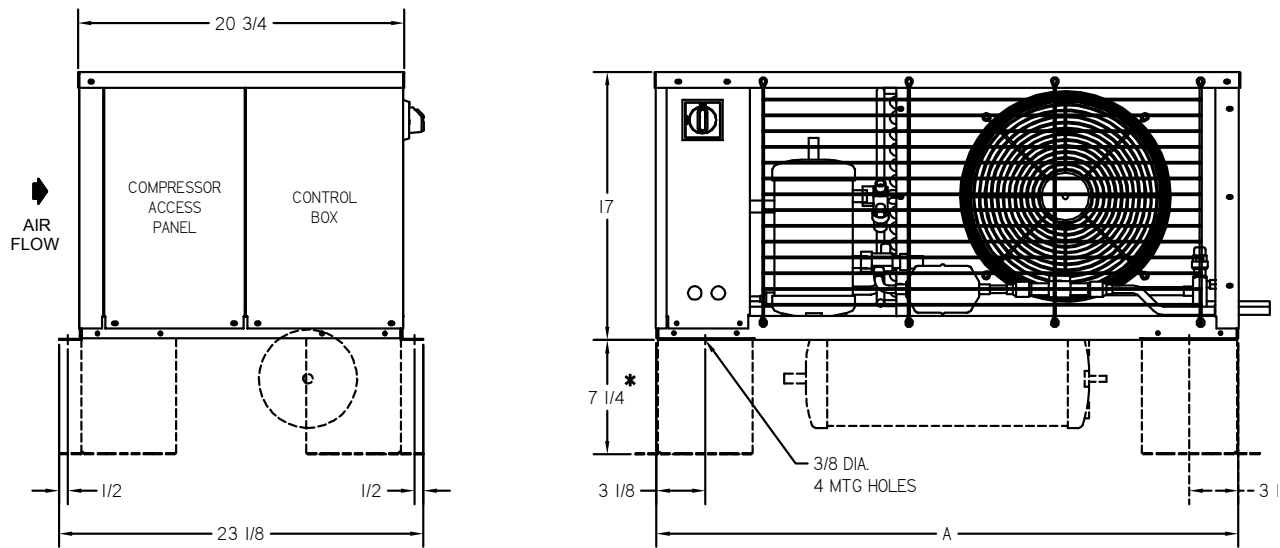
Typical system wiring diagram with standard features (240/1/60)

DRAWINGS

ILH



OLH



Dimensions are in inch

MODEL

A

B

MODEL	A	B	Std Receiver	Opt. Receiver
0 0 2 To 0 0 8	3 7	-	-	-
0 0 9 To 0 1 5	3 7	-	2 0 - 1 / 2	
0 1 8 To 0 3 0	4 7	-	2 0 - 1 / 2	

* STD LEGS ON 030 WITH STD RECEIVER AND 009 TO 030 WITH OPT. RECEIVER. OPTIONAL LEGS ON ALL OTHER OUTDOOR MODELS.

SPECIFICATIONS

Casing

Air-cooled condensing unit bases, condenser fan section, electrical boxes and OLH cabinets are heavy-gauge galvanized steel (G90) with plated or stainless steel hardware.

Condenser Coils

Condenser coils are manufactured with seamless, deoxidized, heavy wall, and smooth copper tubes. They are mechanically expanded in self-spaced, full-collared aluminum corrugated plate fins for permanent bond and maximum heat transfer. 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.

Fan Guards

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

Fans

Hubless fan blades are stamped aluminum for a lighter weight. Fan assemblies are statically and dynamically balanced for smooth and vibration-free operation.

Fan Motors

Heavy-duty fan motors are provided for long life and dependable service. These motors are permanently lubricated by extra large oil reservoirs, totally enclosed and thermally protected.

Wiring

Compressors, fan motors 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 front of the unit for easy access and service. They are weather protected and are manufactured of 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 transformer, control circuit fuses, compressor contactor, fix high and adjustable low pressure control and a pump-down switch. The wires are numbered, color-coded and conveniently routed in wiring ducts. 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 suction and discharge valves, line break thermal protection, crankcase heater, and Polyol Ester oil with HFC refrigerant.

Receivers

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

Refrigeration Flooding Valves

Refrigeration flooding valves (model OLH) are factory installed. They are of fixed pressures.

Refrigeration Tubes

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

Factory Tested

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



Certified ISO-9001