

HEAVY-DUTY DUAL VERTICAL AIR-COOLED CONDENSING UNITS

Technical Guide





TABLE OF CONTENTS

24-100 HP DUAL COMPRESSOR VERTICAL AIR-COOLED CONDENSING UNITS

3	Features & Benefits	54	Frascold Semi-Hermetic Compressor Models
4	Nomenclature & Standard Features	55	A1 Performance Data
5	Electrical & Mechanical Options	55	Low Temp. Dual Frascold (R-404A/R-507A)
6	Single & Dual Compressors	56	Low Temp. Dual Frascold (R-448/R-449A)
7	Adjustable Head Pressure Control	57	Low Temp. Dual Frascold (R-407A/R-407F)
8	Dual Copeland Discus Compressor Models	58	Medium Temp. Dual Frascold (R-404A/R-507A)
9	A2L Performance Data	60	Medium Temp. Dual Frascold (R-448A/R-449A)
9	Low Temp. Dual Copeland Discus (R-454A)	62	Medium Temp. Dual Frascold (R-407A/R-407F)
10	Low Temp. Dual Copeland Discus (R-454C)	64	Medium Temp. Dual Frascold (R-407C)
11	Low Temp. Dual Copeland Discus (R-455A)	66	A2L Medium & Low Unit Specifications
12	Medium Temp. Dual Copeland Discus (R-454A)	67	A1 Electrical Data
13	Medium Temp. Dual Copeland Discus (R-454C)	67	Low Temperature Dual Frascold 208-230V
14	Medium Temp. Dual Copeland Discus (R-455A)	67	Low Temperature Dual Frascold 460V
15	A1 Performance Data	68	Medium Temperature Dual Frascold 208-230V
15	Low Temp. Dual Copeland Discus (R-404A/R-507A)	68	Medium Temperature Dual Frascold 460V
16	Low Temp. Dual Copeland Discus (R-448/R-449A)	69	A2L AWEF-Low & Medium Temperature
17	Low Temp. Dual Copeland Discus (R-407A/R-407F)	69	Copeland Dual Compressor/Outdoor Parallel Piped
18	Low Temp. Dual Copeland Discus (R-407C)	69	Copeland Dual Compressor/Outdoor Parallel Piped
19	Medium Temp. Dual Copeland Discus (R-404A/R-507A)	70	Bitzer Dual Compressor/Outdoor Parallel Piped
20	Medium Temp. Dual Copeland Discus (R-448A/R-449A)	70	Bitzer Dual Compressor/Outdoor Parallel Piped
21	Medium Temp. Dual Copeland Discus (R-407A/R-407F)	71	A1 AWEF-Low & Medium Temperature
22	Medium Temp. Dual Copeland Discus (R-407C)	71	Copeland Dual Compressor/Outdoor Parallel Piped
23	A2L Medium & Low Unit Specifications	71	Bitzer Dual Compressor/Outdoor Parallel Piped
24	A1 Medium & Low Unit Specifications	72	A2L Dimensional Drawings
25	A2L Electrical Data	73	A1 Dimensional Drawings
25	Low Temperature Copeland Discus 208-230V		
25	Low Temperature Copeland Discus 460V		
26	Medium Temperature Copeland Discus 208-230V		
26	Medium Temperature Copeland Discus 460V		
27	A1 Electrical Data		
27	Low Temperature Copeland Discus 208-230V		
27	Low Temperature Copeland Discus 460V		
28	Medium Temperature Copeland Discus 208-230V		
28	Medium Temperature Copeland Discus 208-230V		
29	Dual Bitzer Semi-Hermetic Compressor Models		
30	A2L Performance Data		
30	Low Temp. Dual Bitzer (R-454C)		
31	Low Temp. Dual Bitzer (R-455A)		
32	Medium Temp. Dual Bitzer (R-454C)		
34	Medium Temp. Dual Dual Bitzer (R-455A)		
35	A1 Performance Data		
36	Low Temp. Dual Bitzer (R-404A/R-507A)		
37	Low Temp. Dual Bitzer (R-448/R-449A)		
38	Low Temp. Dual Bitzer (R-407A/R-407F)		
39	Low Temp. Dual Bitzer (R-407C)		
40	Medium Temp. Dual Bitzer (R-404A/R-507A)		
42	Medium Temp. Dual Bitzer (R-448A/R-449A)		
44	Medium Temp. Dual Bitzer (R-407A/R-407F)		
46	Medium Temp. Dual Bitzer (R-407C)		
48	A2L Medium & Low Unit Specifications		
49	A1 Medium & Low Unit Specifications		
49	A2L Electrical Data		
50	Low Temperature Dual Semi-Hermetic 208-230V		
50	Low Temperature Dual Semi-Hermetic 460V		
51	Medium Temperature Dual Semi-Hermetic 208-230V		
51	Medium Temperature Dual Semi-Hermetic 460V		
52	A1 Electrical Data		
52	Low Temperature Dual Bitzer 208-230V		
52	Low Temperature Dual Bitzer 460V		
53	Medium Temperature Dual Bitzer 208-230V		

FEATURES & BENEFITS

QUALITY

- All joints are sweat type connections, no mechanical joints to leak
- Fixed high and adjustable low pressure switch
- Piping is laid out to minimize stress and vibration and is pre-bent to eliminate braze joints where possible to reduce leak potential
- Pressure relief valve on receiver
- Refrigeration duty, rifled copper condenser tubing
- Separate subcooling circuit in condenser for added capacity and vapor free liquid
- Servicemate diagnostic module standard on all non-Beacon condensing units
- Sight glass is easily viewable
- NEMA rated Contactors
- Multi colored wired based on supply Voltage

SERVICEABILITY

- Convenient access panels to easily service internal components
- Large NEMA 3R rated electrical panel to facilitate ease of access
- Manual pumpdown switch on all units
- Lighted electrical box with battery back-up
- Hinged venturi fan panels for easy access
- Removable hinged access doors for ease of access to compressors

COMPONENTS

- Receivers are sized for sufficient pumpdown capacity with inlet and outlet service valves

- Sight glass and permanent liquid line filter
- Spring-mounted compressors with suction and discharge vibration eliminators
- High efficiency EC motors
- High pressure switch-auto reset
- Adjustable head pressure control
- Aluminum fin coil

CABINET AND CONSTRUCTION

- All units feature the floating tube coil which eliminates tube sheet leaks
- Galvanized steel with G90 Finish for superior strength and corrosion resistance
- Clevis hook-up brackets to aid unit installation

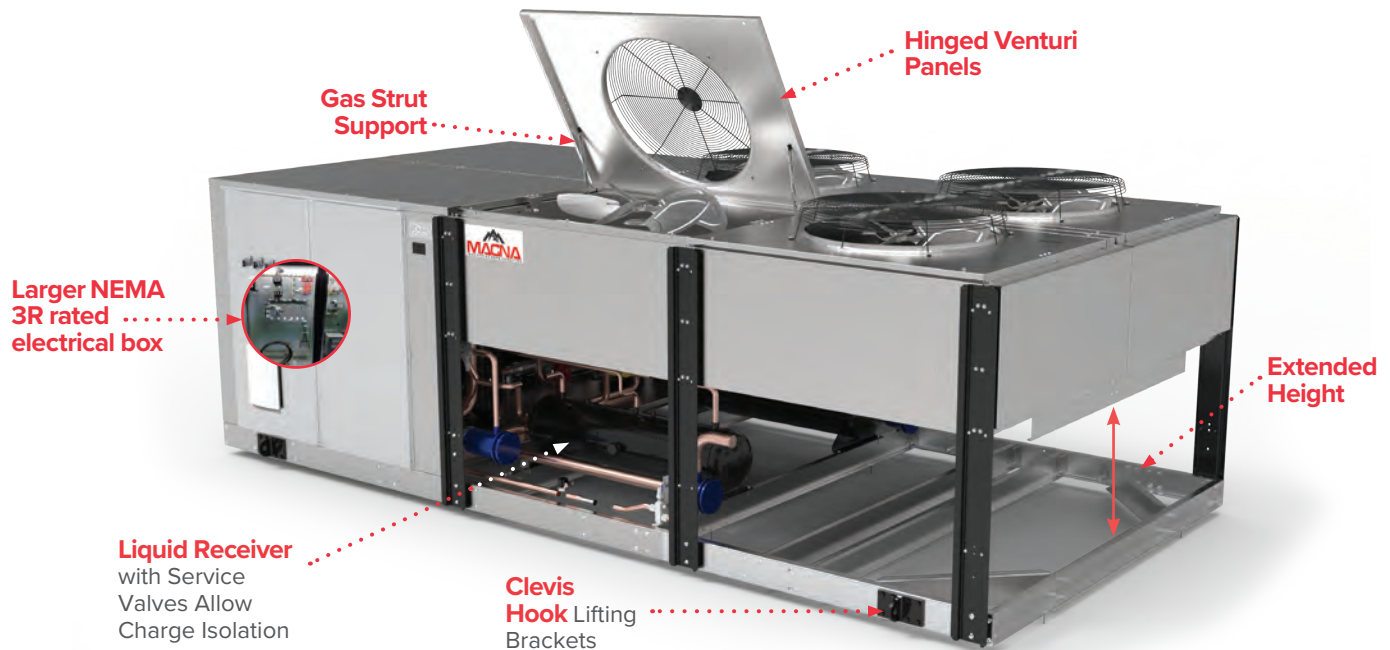
ADDITIONAL STANDARD FEATURES FOR PARALLEL PIPED UNITS

- Replacable Core Liquid Line Filter-Drier
- Replacable Core suction filter
- Suction standard Accumulator and Boil out accumulator
- Oil Management System

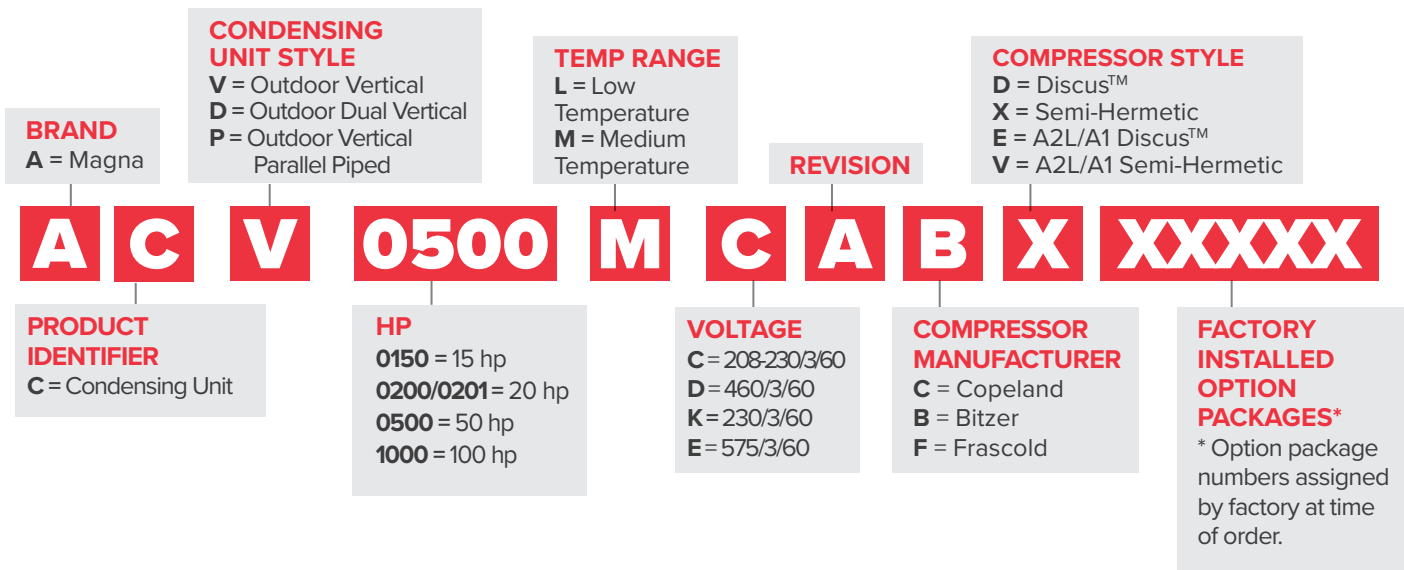
A2L FEATURES AND OPTIONS

- Condenser grilles to protect coil, piping and components
- Extended suction and liquid lines for ease of installation and service
- Red tags on service valves and connection points as indicators for A2L refrigerants
- A2L labels to meet regulatory requirement

OUTSTANDING FEATURES



NOMENCLATURE



STANDARD FEATURES

Aluminum Fin Coil

Adjustable Head Pressure Control (150 psi for Medium Temp. and 100 psi for Low Temp.)

Sealed Liquid Line Filter Drier (Liquid Standard)

Liquid Line Sight Glass (Liquid Standard)

High Pressure Switch- Auto Reset - Mechanical Safety

High and Low Pressure are Monitored using Johnson Controller

Coleseant Oil Separator is Standard on Low Temp Application

Totally Enclosed Air over Motors

Hinged Venturi Fan Panels with Gas Struts for Easy Access

ELECTRICAL OPTIONS

Option	Outdoor
Air or Electric Defrost Timer	Option
intelliGen	Option
Remote Load Defrost Heater Circuit Breaker	Option
Fan Cycling-Temperature	Option
Fan Cycling-Pressure	Option
Unit Circuit Breaker Disconnect	Option
Compressor Circuit Breaker	Option
Phase Loss Monitor	Option
Variable Speed Motor Package	Option
Low Ambient Kit with Heated and Insulated Receiver	Option
Evaporator Hold Off Relay	Option
Compressor Head Cooling Fan	Option
Convenience Outlet	Option

MECHANICAL OPTIONS

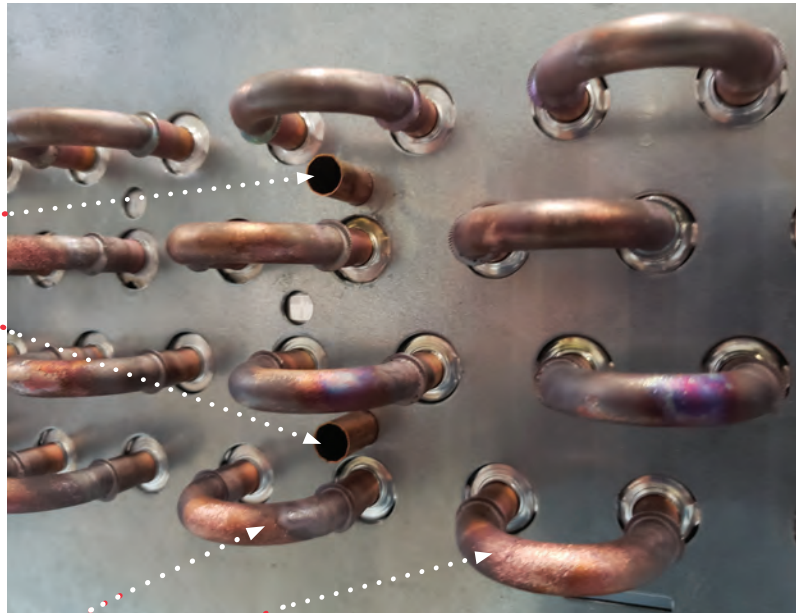
Option	Outdoor
Replacable Core Liquid Line Filter Drier and Sight Glass	Option
Liquid Line Filter Drier, Sight Glass, and Solenoid Valve	Option
Suction Line Filter	Option
Replacable Core Suction Line Filter	Option
Suction Standard Accumulator and Boil Out Accumulator	Option
Suction Line Insulation	Option
Oil Separator with Discharge Line Check Valve	Option
Discharge Muffler	Option
3-Way Heat Reclaim Valve and Check Valve with Coalescent Oil Separator	Option
3-Way Heat Reclaim Valve and Check Valve	Option
Compressor Unloading Copeland	Option
Compressor Unloading for Bitzer	Option
Compressor Discharge Temperature Control	Option
Receiver Level Switch	Option

SINGLE & DUAL COMPRESSORS

Units featuring Floating Tube Coil Design

Expanded (Locked) Auxiliary Tubes

These tubes support the coil with fins and refrigerant carrying tubes. They do not carry refrigerant and are tightly fitted on end supports and center supports



Free Floating Circuited Coil Tubes

These tubes carry refrigerant and never touch the sheet metal end supports or center supports.

All units include a limited
Five Year Warranty
 against condenser leaks at tube
 sheets and center supports.

All condensers use the Floating Tube™ coil design to eliminate refrigerant leaks at the tube sheets. Additional tubes are added to the condenser coil. These tubes are expanded into the aluminum fins and condenser tube sheets. These anchor tubes support the weight of the coil, but are not a part of the refrigerant circuit.

The tubes in the refrigerant circuit are expanded into the fins, but “float” through oversized holes in the tube sheets. Tube sheet leaks are virtually eliminated, since the tubes which carry refrigerant never come in contact with the tube sheet.

ADJUSTABLE HEAD PRESSURE CONTROL

Resource II

Heatcraft's most energy efficient low ambient head pressure control. This system provides year round control of refrigerant head pressure without the use of special refrigerant expansion valves.

Resource II combines the benefits of refrigerant subcooling and reduced discharge pressure during mild ambient conditions. As the ambient temperature falls the system is allowed to fall to approximately of 70°F saturated condensing temperature. The reduced discharge pressure at the compressor increases the compressor capacity and lowers the input watts from the compressor motor. Resource II also uses the reduced ambient temperature to subcool the liquid refrigerant in the condenser. This subcooled liquid also increases system capacity. As a general rule, every one degree of subcooling results in a 1/2% increase in system capacity. Together these result in greater efficiency, greater capacity, and reduced run time.

Benefits

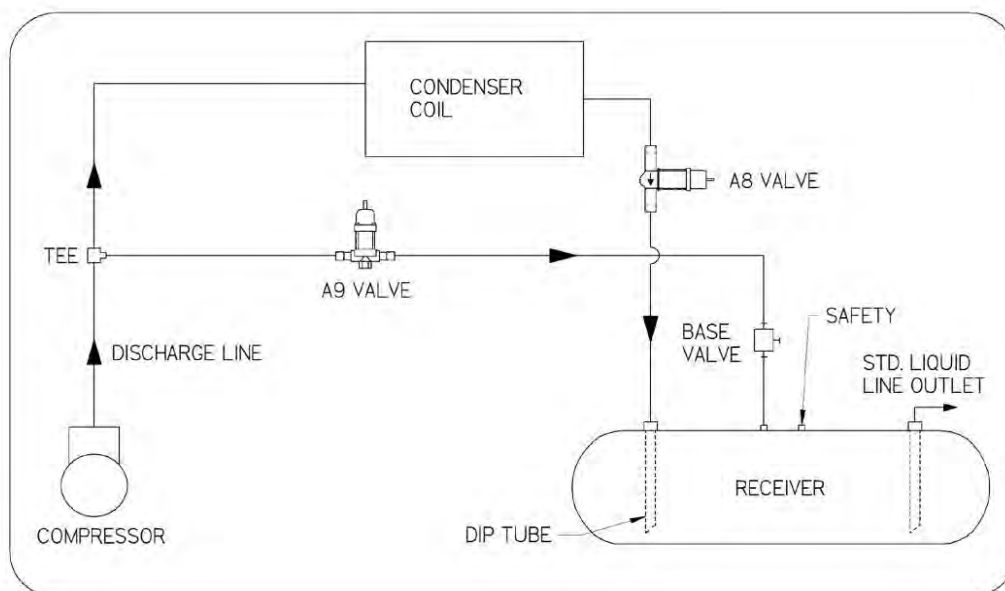
- Automatic year round control of refrigerant head pressure without the use of special expansion valves.
- Energy savings in mild ambient conditions due to reduced compressor discharge pressure and refrigerant subcooling.
- Provides easy restart during low ambient conditions.

Operation

As the ambient temperature falls, the system condensing pressure is also reduced. This pressure is maintained by a regulator (A8 Valve) at the condenser drain. At approximately 70°F saturated condensing temperature the regulator restricts the flow of liquid refrigerant from the condenser causing the condenser to flood. This condenser flooding allows the liquid refrigerant in the condenser to become subcooled by the ambient air flowing through the condenser. As the regulator continues to flood the condenser a pressure differential will be established between the receiver and the compressor discharge. At a prescribed differential, a second valve (A9 Valve) will open and allow discharge gas from the compressor to bypass the condenser and flow into the top of the receiver. This gas is used to pressurize the receiver.

Both the inlet and outlet tubes of the receiver have dip tubes which are immersed in liquid refrigerant. The liquid in the receiver acts as an insulator from the vapor area of the receiver. This unique design minimizes the contact of the hot gas used to pressurize the receiver through the (A9) valve. This allows bypass vapor to pressurize the receiver while reheat of the subcooled liquid is minimized.

Subcooled liquid is further enhanced by the routing of liquid from the receiver liquid line outlet to the condenser before leaving the condensing unit.



MODELS WITH DUAL COPELAND DISCUS™ COMPRESSORS

A2L PERFORMANCE DATA – R-454A

Low Temperature Models - Dual Copeland Discus™ Compressors

Please consult AWEF table on page 69 to confirm DOE compliance per model

R-454A		Capacity BTUH @ 90°F Ambient by SST								
Model	Compressor	0°F	-5°F	-10°F	-15°F	-20°F	-25°F	-30°F	-35°F	-40°F
AC*0240L^ACE	4YBNF40KE	210,960	186,420	163,600	142,440	122,940	105,220	89,320	75,100	62,640
AC*0300L^ACE	4YHNF46KE	242,240	214,300	188,400	164,180	141,880	121,560	103,280	86,940	72,580
AC*0440L^ACE	4YJNF59KE	295,800	262,380	230,960	201,640	174,780	150,220	128,160	108,420	91,100
AC*0540L^ACE	6YHNF68KE	345,500	307,260	270,820	236,960	205,600	176,980	151,020	127,760	107,180
AC*0600L^ACE	6YJNF84KE	413,920	369,460	327,100	287,000	249,840	215,500	184,460	156,700	132,200

R-454A		Capacity BTUH @ 95°F Ambient by SST								
Model	Compressor	0°F	-5°F	-10°F	-15°F	-20°F	-25°F	-30°F	-35°F	-40°F
AC*0240L^ACE	4YBNF40KE	203,120	179,380	157,280	136,840	117,980	100,820	85,420	71,680	59,660
AC*0300L^ACE	4YHNF46KE	233,360	206,460	181,240	157,800	136,200	116,500	98,800	82,960	69,060
AC*0440L^ACE	4YJNF59KE	285,080	252,540	222,120	193,880	167,820	144,040	122,720	103,660	86,940
AC*0540L^ACE	6YHNF68KE	332,780	295,560	260,540	227,720	197,460	169,720	144,620	122,040	102,100
AC*0600L^ACE	6YJNF84KE	398,720	355,680	314,700	275,940	239,820	206,640	176,800	149,900	126,220

R-454A		Capacity BTUH @ 100°F Ambient by SST								
Model	Compressor	0°F	-5°F	-10°F	-15°F	-20°F	-25°F	-30°F	-35°F	-40°F
AC*0240L^ACE	4YBNF40KE	195,240	172,320	151,060	131,220	113,000	96,420	81,560	68,300	56,680
AC*0300L^ACE	4YHNF46KE	224,520	198,460	174,140	151,420	130,520	111,460	94,320	79,000	65,560
AC*0440L^ACE	4YJNF59KE	274,240	242,780	213,400	186,080	160,900	137,940	117,320	98,940	82,840
AC*0540L^ACE	6YHNF68KE	319,500	284,020	250,260	218,580	189,240	162,480	138,240	116,420	97,100
AC*0600L^ACE	6YJNF84KE	—	—	301,900	264,880	230,020	197,960	169,100	143,140	120,320

R-454A		Capacity BTUH @ 110°F Ambient by SST								
Model	Compressor	0°F	-5°F	-10°F	-15°F	-20°F	-25°F	-30°F	-35°F	-40°F
AC*0240L^ACE	4YBNF40KE	—	158,240	138,440	120,020	103,100	87,700	73,900	61,640	50,900
AC*0300L^ACE	4YHNF46KE	—	182,540	159,840	138,700	119,220	101,480	85,500	71,220	58,680
AC*0440L^ACE	4YJNF59KE	—	—	—	170,580	147,160	125,860	106,720	89,720	74,820
AC*0540L^ACE	6YHNF68KE	—	—	—	—	173,240	148,300	125,680	105,340	87,360
AC*0600L^ACE	6YJNF84KE	—	—	—	—	—	—	153,980	129,900	108,760

Notes:

DEMAND COOLING IS REQUIRED FOR ALL APPLICATIONS

* D = Dual Circuitied, P = Parallel Piped

^ C = 208-230/3/60, D = 460/3/60, E = 575/3/60

For 50 cycle capacity, multiply values by .86

A2L PERFORMANCE DATA – R-454C

Low Temperature Models - Dual Copeland Discus™ Compressors

Please consult AWEF table on page 69 to confirm DOE compliance per model

R-454C		Capacity BTUH @ 90°F Ambient by SST								
Model	Compressor	0°F	-5°F	-10°F	-15°F	-20°F	-25°F	-30°F	-35°F	-40°F
AC*0240L^ACE	4YBNF40KE	177,640	156,480	137,020	119,020	102,540	87,680	74,460	—	—
AC*0300L^ACE	4YHNF46KE	177,600	156,460	136,980	118,960	102,520	87,720	74,460	—	—
AC*0440L^ACE	4YJNF59KE	251,100	222,020	195,180	169,980	146,940	126,040	107,300	90,700	76,220
AC*0540L^ACE	6YHNF68KE	293,360	260,060	228,680	199,780	172,940	148,560	126,640	107,100	89,980
AC*0600L^ACE	6YJNF84KE	354,960	315,480	278,280	243,620	211,500	182,200	155,700	132,160	111,440

R-454C		Capacity BTUH @ 95°F Ambient by SST								
Model	Compressor	0°F	-5°F	-10°F	-15°F	-20°F	-25°F	-30°F	-35°F	-40°F
AC*0240L^ACE	4YBNF40KE	171,020	150,500	131,700	114,300	98,360	84,020	71,260	—	—
AC*0300L^ACE	4YHNF46KE	170,980	150,500	131,660	114,260	98,340	84,040	71,260	—	—
AC*0440L^ACE	4YJNF59KE	241,720	213,660	187,560	163,280	141,020	120,840	102,800	86,840	72,940
AC*0540L^ACE	6YHNF68KE	282,100	249,900	219,640	191,820	165,860	142,400	121,260	102,500	86,100
AC*0600L^ACE	6YJNF84KE	341,120	302,940	267,260	233,820	202,760	174,680	149,200	126,580	106,760

R-454C		Capacity BTUH @ 100°F Ambient by SST								
Model	Compressor	0°F	-5°F	-10°F	-15°F	-20°F	-25°F	-30°F	-35°F	-40°F
AC*0240L^ACE	4YBNF40KE	164,360	144,560	126,360	109,520	94,200	80,400	68,140	—	—
AC*0300L^ACE	4YHNF46KE	164,320	144,520	126,340	109,540	94,180	80,380	68,120	—	—
AC*0440L^ACE	4YJNF59KE	232,340	205,260	180,020	156,600	135,180	115,740	98,360	83,000	69,740
AC*0540L^ACE	6YHNF68KE	270,760	239,740	210,700	183,680	158,800	136,240	115,940	97,920	82,280
AC*0600L^ACE	6YJNF84KE	—	290,580	256,220	224,000	194,340	167,100	142,740	121,080	102,180

R-454C		Capacity BTUH @ 110°F Ambient by SST								
Model	Compressor	0°F	-5°F	-10°F	-15°F	-20°F	-25°F	-30°F	-35°F	-40°F
AC*0240L^ACE	4YBNF40KE	151,060	132,640	115,740	100,160	85,980	73,260	62,000	—	—
AC*0300L^ACE	4YHNF46KE	—	132,620	115,720	100,140	85,960	73,240	61,980	—	—
AC*0440L^ACE	4YJNF59KE	—	—	—	143,260	123,460	105,520	89,520	75,480	63,440
AC*0540L^ACE	6YHNF68KE	—	—	—	—	144,840	124,100	105,540	89,080	74,920
AC*0600L^ACE	6YJNF84KE	—	—	—	—	—	152,340	130,060	110,360	93,320

Notes:

DEMAND COOLING IS REQUIRED FOR ALL APPLICATIONS

* D = Dual Circuited, P = Parallel Piped

^ C = 208-230/3/60, D = 460/3/60, E = 575/3/60

For 50 cycle capacity, multiply values by .86

A2L PERFORMANCE DATA – R-455A

Low Temperature Models - Dual Copeland Discus™ Compressors

Please consult AWEF table on page 69 to confirm DOE compliance per model

R-455A		Capacity BTUH @ 90°F Ambient by SST								
Model	Compressor	0°F	-5°F	-10°F	-15°F	-20°F	-25°F	-30°F	-35°F	-40°F
AC*0240L^ACE	4YBNF40KE	183,360	161,140	140,620	121,700	104,420	88,820	74,900	—	—
AC*0300L^ACE	4YHNF46KE	212,640	187,240	163,680	141,840	121,840	103,640	—	—	—
AC*0440L^ACE	4YJNF59KE	259,280	228,660	200,420	174,140	150,020	128,140	108,540	91,100	—
AC*0540L^ACE	6YHNF68KE	303,840	268,460	235,460	204,840	176,680	151,020	127,960	107,320	89,120
AC*0600L^ACE	6YJNF84KE	366,920	325,220	286,100	249,500	215,720	185,000	157,380	132,820	111,400

R-455A		Capacity BTUH @ 95°F Ambient by SST								
Model	Compressor	0°F	-5°F	-10°F	-15°F	-20°F	-25°F	-30°F	-35°F	-40°F
AC*0240L^ACE	4YBNF40KE	176,380	154,860	135,000	116,700	100,020	84,940	71,520	—	—
AC*0300L^ACE	4YHNF46KE	204,680	180,080	157,260	136,120	116,760	99,140	83,400	—	—
AC*0440L^ACE	4YJNF59KE	249,360	219,840	192,500	167,100	143,800	122,660	103,760	86,960	—
AC*0540L^ACE	6YHNF68KE	292,180	257,980	226,060	196,520	169,300	144,540	122,280	102,360	84,860
AC*0600L^ACE	6YJNF84KE	352,740	312,520	274,820	239,460	206,780	177,140	150,600	126,940	106,420

R-455A		Capacity BTUH @ 100°F Ambient by SST								
Model	Compressor	0°F	-5°F	-10°F	-15°F	-20°F	-25°F	-30°F	-35°F	-40°F
AC*0240L^ACE	4YBNF40KE	169,360	148,560	129,380	111,720	95,640	81,080	68,160	—	—
AC*0300L^ACE	4YHNF46KE	196,680	172,920	150,860	130,380	111,680	94,660	79,460	—	—
AC*0440L^ACE	4YJNF59KE	239,620	211,120	184,620	160,080	137,580	117,200	99,020	82,860	—
AC*0540L^ACE	6YHNF68KE	280,500	247,560	216,820	188,280	161,980	138,140	116,640	97,500	80,700
AC*0600L^ACE	6YJNF84KE	—	—	263,520	229,540	198,000	169,440	143,920	121,180	101,520

R-455A		Capacity BTUH @ 110°F Ambient by SST								
Model	Compressor	0°F	-5°F	-10°F	-15°F	-20°F	-25°F	-30°F	-35°F	-40°F
AC*0240L^ACE	4YBNF40KE	—	—	—	101,820	86,920	73,520	61,620	—	—
AC*0300L^ACE	4YHNF46KE	—	—	138,060	119,040	101,620	85,840	71,740	—	—
AC*0440L^ACE	4YJNF59KE	—	—	—	—	125,360	106,480	89,680	74,840	62,100
AC*0540L^ACE	6YHNF68KE	—	—	—	—	—	125,500	105,700	88,040	72,620
AC*0600L^ACE	6YJNF84KE	—	—	—	—	—	—	—	110,040	92,160

Notes:

DEMAND COOLING IS REQUIRED FOR ALL APPLICATIONS

* D = Dual Circuitied, P = Parallel Piped

^ C = 208-230/3/60, D = 460/3/60, E = 575/3/60

For 50 cycle capacity, multiply values by .86

A2L PERFORMANCE DATA – R-454A

Medium Temperature - Dual Copeland Discus™ Compressors

Please consult AWEF table on page 69 to confirm DOE compliance per model

R-454A		Capacity BTUH @ 90°F Ambient by SST								
Model	Compressor	40°F	35°F	30°F	25°F	20°F	15°F	10°F	0°F	-10°F
AC*0300M^ACE	3YS3R16ME	406,000	370,120	336,100	304,160	274,340	246,620	220,740	174,400	133,640
AC*0400M^ACE	4YBNR19ME	483,820	443,200	404,120	367,020	332,020	299,260	268,480	212,880	164,060
AC*0500M^ACE	4YHNR22ME	527,680	486,620	446,480	407,120	370,760	336,140	303,100	242,360	187,980
AC*0520M^ACE	4YHNR22ME	543,020	498,360	456,420	416,100	377,700	341,400	307,020	244,440	189,080
AC*0600M^ACE	4YJNR27ME	636,180	587,520	538,900	494,120	450,940	409,540	369,620	296,760	230,260
AC*0700M^ACE	6YHNR32ME	808,240	741,360	676,880	614,280	556,720	502,760	451,540	358,620	276,520
AC*0800M^ACE	6YJNR39ME	946,580	871,820	801,740	732,140	666,700	604,580	545,600	436,880	337,900

R-454A		Capacity BTUH @ 95°F Ambient by SST								
Model	Compressor	40°F	35°F	30°F	25°F	20°F	15°F	10°F	0°F	-10°F
AC*0300M^ACE	3YS3R16ME	390,060	355,720	323,140	292,500	263,880	237,280	212,600	168,020	128,900
AC*0400M^ACE	4YBNR19ME	463,800	425,120	387,900	352,440	318,940	287,620	258,160	205,000	158,120
AC*0500M^ACE	4YHNR22ME	505,080	465,740	427,340	390,840	355,480	322,560	291,120	233,200	181,260
AC*0520M^ACE	4YHNR22ME	519,740	478,000	437,320	398,980	362,380	327,800	295,020	235,240	182,360
AC*0600M^ACE	4YJNR27ME	607,000	561,640	516,440	473,040	432,040	392,840	355,260	285,520	222,040
AC*0700M^ACE	6YHNR32ME	773,860	710,420	648,100	589,580	534,440	483,020	434,140	345,320	266,820
AC*0800M^ACE	6YJNR39ME	904,340	833,880	767,680	701,900	639,760	580,560	524,500	420,840	326,120

R-454A		Capacity BTUH @ 100°F Ambient by SST								
New Model	Compressor	40°F	35°F	30°F	25°F	20°F	15°F	10°F	0°F	-10°F
AC*0300M^ACE	3YS3R16ME	374,000	341,200	310,040	280,720	253,320	227,860	204,220	161,540	124,120
AC*0400M^ACE	4YBNR19ME	443,860	407,120	371,640	337,820	305,840	275,900	247,700	196,960	152,180
AC*0500M^ACE	4YHNR22ME	—	444,560	408,420	373,740	340,180	308,960	279,100	223,980	174,560
AC*0520M^ACE	4YHNR22ME	496,200	455,860	418,240	381,900	347,100	314,200	283,040	226,060	175,660
AC*0600M^ACE	4YJNR27ME	—	—	492,880	451,760	413,100	376,020	340,500	274,320	213,960
AC*0700M^ACE	6YHNR32ME	738,560	678,700	620,580	565,060	512,360	462,920	416,360	332,100	257,220
AC*0800M^ACE	6YJNR39ME	—	794,740	732,780	672,040	612,460	556,540	503,260	404,760	314,780

R-454A		Capacity BTUH @ 110°F Ambient by SST								
Model	Compressor	40°F	35°F	30°F	25°F	20°F	15°F	10°F	0°F	-10°F
AC*0300M^ACE	3YS3R16ME	340,980	311,300	283,080	256,700	231,600	208,600	187,020	148,400	114,580
AC*0400M^ACE	4YBNR19ME	—	—	338,260	307,900	279,040	252,000	226,560	180,700	140,320
AC*0500M^ACE	4YHNR22ME	—	—	—	—	—	281,060	254,460	205,400	161,260
AC*0520M^ACE	4YHNR22ME	—	—	—	346,940	315,860	286,400	258,460	207,420	162,280
AC*0600M^ACE	4YJNR27ME	—	—	—	—	—	341,980	309,960	251,640	197,960
AC*0700M^ACE	6YHNR32ME	—	—	—	513,700	466,620	422,380	380,820	305,240	238,400
AC*0800M^ACE	6YJNR39ME	—	—	—	—	—	507,660	460,200	372,700	292,440

Notes:

LOW SUCTION TEMPERATURE APPLICATIONS IN THESE RANGES REQUIRE THE ADDITION OF A HEAD FAN

* D = Dual Circuited, P = Parallel Piped

^ C = 208-230/3/60, D = 460/3/60, E = 575/3/60

† K = 230/3/60, D = 460/3/60, E = 575/3/60

For 50 cycle capacity, multiply values by .86

A2L PERFORMANCE DATA – R-454C

Medium Temperature - Dual Copeland Discus™ Compressors

Please consult AWEF table on page 69 to confirm DOE compliance per model

R-454C		Capacity BTUH @ 90°F Ambient by SST								
Model	Compressor	40°F	35°F	30°F	25°F	20°F	15°F	10°F	0°F	-10°F
AC*0300M^ACE	3YS3R16ME	343,080	312,400	283,260	256,040	230,520	207,040	184,960	145,680	111,720
AC*0400M^ACE	4YBNR19ME	411,420	375,740	342,020	310,040	280,060	252,120	225,800	178,660	137,280
AC*0500M^ACE	4YHNR22ME	458,120	420,560	384,300	349,740	317,400	286,520	257,540	204,800	158,320
AC*0520M^ACE	4YHNR22ME	468,760	429,020	391,460	355,300	321,380	289,620	259,880	206,240	159,020
AC*0600M^ACE	4YJNR27ME	555,180	510,500	467,480	426,920	387,560	350,480	315,640	251,860	195,040
AC*0700M^ACE	6YHNR32ME	691,240	631,640	574,580	520,600	470,280	423,200	378,900	300,060	231,760
AC*0800M^ACE	6YJNR39ME	825,380	758,860	693,060	631,240	572,940	518,100	466,160	371,580	286,720

R-454C		Capacity BTUH @ 95°F Ambient by SST								
Model	Compressor	40°F	35°F	30°F	25°F	20°F	15°F	10°F	0°F	-10°F
AC*0300M^ACE	3YS3R16ME	329,760	300,280	272,300	246,140	221,740	199,000	177,860	140,200	107,700
AC*0400M^ACE	4YBNR19ME	395,020	360,820	328,460	297,800	269,040	242,240	217,100	171,840	132,240
AC*0500M^ACE	4YHNR22ME	439,280	403,360	368,680	335,660	304,520	275,180	247,420	197,000	152,560
AC*0520M^ACE	4YHNR22ME	449,660	411,700	375,720	341,200	308,680	278,240	249,780	198,460	153,200
AC*0600M^ACE	4YJNR27ME	531,220	488,820	447,880	408,300	371,700	336,360	303,040	242,180	187,940
AC*0700M^ACE	6YHNR32ME	662,720	605,520	551,100	499,320	451,160	405,940	363,780	288,700	223,620
AC*0800M^ACE	6YJNR39ME	789,940	726,540	664,640	605,600	549,640	497,380	447,940	357,540	276,400

R-454C		Capacity BTUH @ 100°F Ambient by SST								
New Model	Compressor	40°F	35°F	30°F	25°F	20°F	15°F	10°F	0°F	-10°F
AC*0300M^ACE	3YS3R16ME	316,180	287,900	261,100	235,920	212,620	190,900	170,660	134,680	103,680
AC*0400M^ACE	4YBNR19ME	378,360	345,640	314,660	285,400	257,900	232,100	208,220	164,980	127,180
AC*0500M^ACE	4YHNR22ME	420,100	385,900	352,900	321,820	291,680	263,680	237,180	189,180	146,800
AC*0520M^ACE	4YHNR22ME	430,040	393,960	359,320	326,820	295,800	266,740	239,400	190,460	147,420
AC*0600M^ACE	4YJNR27ME	507,060	466,880	427,680	390,520	355,020	322,000	290,300	232,260	180,800
AC*0700M^ACE	6YHNR32ME	633,640	579,200	527,180	477,900	431,860	388,800	348,520	277,040	215,640
AC*0800M^ACE	6YJNR39ME	754,800	694,780	635,660	579,460	526,280	476,180	429,360	343,420	266,120

R-454C		Capacity BTUH @ 110°F Ambient by SST								
Model	Compressor	40°F	35°F	30°F	25°F	20°F	15°F	10°F	0°F	-10°F
AC*0300M^ACE	3YS3R16ME	288,520	262,640	238,160	215,460	194,220	174,360	156,000	123,460	95,680
AC*0400M^ACE	4YBNR19ME	—	315,000	286,700	260,240	235,040	211,960	190,340	151,120	117,000
AC*0500M^ACE	4YHNR22ME	—	—	—	292,320	265,740	240,380	216,480	173,320	135,220
AC*0520M^ACE	4YHNR22ME	—	—	327,720	297,860	269,600	243,480	218,800	174,480	135,840
AC*0600M^ACE	4YJNR27ME	—	—	—	—	323,020	292,840	264,400	212,620	166,400
AC*0700M^ACE	6YHNR32ME	—	—	478,700	434,340	392,200	353,880	317,820	254,120	200,000
AC*0800M^ACE	6YJNR39ME	—	—	—	—	478,580	433,880	391,640	314,580	245,480

Notes:

LOW SUCTION TEMPERATURE APPLICATIONS IN THESE RANGES REQUIRE THE ADDITION OF A HEAD FAN

* D = Dual Circuited, P = Parallel Piped

^ C = 208-230/3/60, D = 460/3/60, E = 575/3/60

+ K = 230/3/60, D = 460/3/60, E = 575/3/60

For 50 cycle capacity, multiply values by .86

A2L PERFORMANCE DATA – R-455A

Medium Temperature - Dual Copeland Discus™ Compressors

Please consult AWEF table on page 69 to confirm DOE compliance per model

R-455A		Capacity BTUH @ 90°F Ambient by SST								
Model	Compressor	40°F	35°F	30°F	25°F	20°F	15°F	10°F	0°F	-10°F
AC*0300M^ACE	3YS3R16ME	356,700	324,520	294,040	265,640	238,920	214,340	191,420	150,360	114,700
AC*0400M^ACE	4YBNR19ME	428,200	390,960	355,320	321,680	290,340	261,080	233,660	184,400	141,120
AC*0500M^ACE	4YHNR22ME	475,920	436,300	398,680	362,580	328,480	296,420	266,200	211,420	162,780
AC*0520M^ACE	4YHNR22ME	488,040	446,380	406,500	368,740	333,240	300,040	269,140	212,820	163,520
AC*0600M^ACE	4YJNR27ME	577,720	530,980	485,800	442,580	401,580	363,020	326,480	259,880	200,500
AC*0700M^ACE	6YHNR32ME	716,780	655,120	596,060	540,060	487,520	438,460	392,660	310,000	238,160
AC*0800M^ACE	6YJNR39ME	858,860	786,480	719,140	653,920	592,260	534,180	479,920	381,120	293,840

R-455A		Capacity BTUH @ 95°F Ambient by SST								
Model	Compressor	40°F	35°F	30°F	25°F	20°F	15°F	10°F	0°F	-10°F
AC*0300M^ACE	3YS3R16ME	342,720	311,800	282,540	255,220	229,660	206,020	184,000	144,620	110,460
AC*0400M^ACE	4YBNR19ME	410,960	375,180	341,000	308,920	278,760	250,800	224,400	177,240	135,840
AC*0500M^ACE	4YHNR22ME	455,820	418,180	382,140	347,540	315,000	284,380	255,620	203,140	156,800
AC*0520M^ACE	4YHNR22ME	467,680	428,080	389,880	353,880	319,900	288,160	258,500	204,680	157,520
AC*0600M^ACE	4YJNR27ME	552,540	508,200	465,180	423,980	385,020	348,220	313,420	249,800	193,240
AC*0700M^ACE	6YHNR32ME	686,820	627,580	571,240	517,740	467,520	420,680	376,860	298,160	229,760
AC*0800M^ACE	6YJNR39ME	822,200	754,360	688,820	626,980	568,000	512,900	460,920	366,500	283,340

R-455A		Capacity BTUH @ 100°F Ambient by SST								
New Model	Compressor	40°F	35°F	30°F	25°F	20°F	15°F	10°F	0°F	-10°F
AC*0300M^ACE	3YS3R16ME	328,480	298,800	270,800	244,580	220,160	197,540	176,460	138,840	106,260
AC*0400M^ACE	4YBNR19ME	393,420	359,140	326,640	295,880	267,080	240,320	215,160	170,040	130,600
AC*0500M^ACE	4YHNR22ME	—	399,860	365,260	332,620	301,580	272,380	244,820	194,940	150,840
AC*0520M^ACE	4YHNR22ME	447,400	409,300	373,180	338,780	306,360	276,060	247,760	196,440	151,540
AC*0600M^ACE	4YJNR27ME	—	485,320	444,460	405,480	368,260	333,140	300,100	239,620	185,980
AC*0700M^ACE	6YHNR32ME	656,380	600,100	545,980	495,280	447,420	402,780	360,880	286,260	221,480
AC*0800M^ACE	6YJNR39ME	—	721,260	659,200	599,640	543,960	491,380	441,840	352,100	273,040

R-455A		Capacity BTUH @ 110°F Ambient by SST								
Model	Compressor	40°F	35°F	30°F	25°F	20°F	15°F	10°F	0°F	-10°F
AC*0300M^ACE	3YS3R16ME	299,620	272,480	246,920	223,100	200,860	180,400	161,280	127,180	97,820
AC*0400M^ACE	4YBNR19ME	—	—	297,400	269,500	243,420	219,000	196,280	155,600	120,060
AC*0500M^ACE	4YHNR22ME	—	—	—	—	—	247,940	223,140	178,340	138,940
AC*0520M^ACE	4YHNR22ME	—	—	—	308,240	278,940	251,620	225,940	179,880	139,620
AC*0600M^ACE	4YJNR27ME	—	—	—	—	—	303,120	273,340	219,400	171,580
AC*0700M^ACE	6YHNR32ME	—	—	—	449,920	406,820	366,520	329,260	262,640	205,380
AC*0800M^ACE	6YJNR39ME	—	—	—	—	—	447,900	403,400	323,240	252,760

Notes:

LOW SUCTION TEMPERATURE APPLICATIONS IN THESE RANGES REQUIRE THE ADDITION OF A HEAD FAN

* D = Dual Circuited, P = Parallel Piped

^ C = 208-230/3/60, D = 460/3/60

† C = 230/3/60, D = 460/3/60

For 50 cycle capacity, multiply values by .86

A1 PERFORMANCE DATA – R-404A/R-507A

Low Temperature - Dual Copeland Compressor Models

Please consult AWEF table on page 71 to confirm DOE compliance per model

R-404A/R-507A		Capacity BTUH @ 90°F Ambient by SST								
Model	Compressor	0°F	-5°F	-10°F	-15°F	-20°F	-25°F	-30°F	-35°F	-40°F
ACD0240L ^Λ ACD	4DBNF54KE	212,600	190,200	169,720	150,900	133,440	117,160	101,820	86,960	72,360
ACD0300L ^Λ ACD	4DHNF63KE	248,540	223,360	200,180	178,540	158,540	139,660	121,860	104,720	87,980
ACD0440L ^Λ ACD	4DJNF76KE	289,560	262,980	237,320	212,740	189,180	166,840	145,440	124,760	104,840
ACD0540L ^Λ ACD	6DHNF93KE	355,820	323,420	291,300	260,020	229,340	200,340	173,360	148,180	125,480
ACD0600L ^Λ ACD	6DJNF11ME	387,340	352,120	318,620	285,640	254,140	223,520	194,900	168,020	142,920

R-404A/R-507A		Capacity BTUH @ 95°F Ambient by SST								
Model	Compressor	0°F	-5°F	-10°F	-15°F	-20°F	-25°F	-30°F	-35°F	-40°F
ACD0240L ^Λ ACD	4DBNF54KE	203,840	182,440	162,880	144,660	127,740	111,840	96,760	81,980	67,400
ACD0300L ^Λ ACD	4DHNF63KE	237,860	213,680	191,300	170,520	151,020	132,700	115,420	98,740	82,360
ACD0440L ^Λ ACD	4DJNF76KE	277,260	251,520	226,960	203,100	180,320	158,680	137,840	117,680	98,020
ACD0540L ^Λ ACD	6DHNF93KE	339,720	308,800	278,180	248,160	218,420	190,400	164,200	139,620	117,220
ACD0600L ^Λ ACD	6DJNF11ME	—	335,360	303,500	272,160	242,020	212,440	184,840	158,820	134,240

R-404A/R-507A		Capacity BTUH @ 100°F Ambient by SST								
Model	Compressor	0°F	-5°F	-10°F	-15°F	-20°F	-25°F	-30°F	-35°F	-40°F
ACD0240L ^Λ ACD	4DBNF54KE	194,980	174,560	155,840	138,300	121,880	106,360	91,440	76,820	62,240
ACD0300L ^Λ ACD	4DHNF63KE	227,620	204,300	182,780	162,700	143,860	126,100	109,300	93,080	77,160
ACD0440L ^Λ ACD	4DJNF76KE	264,800	240,220	216,700	193,560	171,680	150,500	130,180	110,460	91,120
ACD0540L ^Λ ACD	6DHNF93KE	323,260	294,080	264,860	236,080	207,920	180,360	154,920	131,040	109,020
ACD0600L ^Λ ACD	6DJNF11ME	—	—	288,240	259,080	229,800	201,820	174,980	149,500	125,500

R-404A/R-507A		Capacity BTUH @ 110°F Ambient by SST								
Model	Compressor	0°F	-5°F	-10°F	-15°F	-20°F	-25°F	-30°F	-35°F	-40°F
ACD0240L ^Λ ACD	4DBNF54KE	176,660	158,380	141,200	124,940	109,500	94,600	80,140	65,760	51,380
ACD0300L ^Λ ACD	4DHNF63KE	207,400	186,280	166,660	148,040	130,520	113,960	98,180	82,860	67,820
ACD0440L ^Λ ACD	4DJNF76KE	—	—	—	174,820	154,200	134,160	114,600	95,560	76,840
ACD0540L ^Λ ACD	6DHNF93KE	—	—	—	—	—	160,360	136,400	113,520	92,520
ACD0600L ^Λ ACD	6DJNF11ME	—	—	—	—	—	—	155,000	131,060	107,960

Notes:

DEMAND COOLING IS REQUIRED FOR OPERATION AT LOW TEMPERATURE APPLICATIONS

^Λ C = 208-230/3/60, D = 460/3/60, E = 575/3/60

A1 PERFORMANCE DATA – R-448A/R-449A

Low Temperature - Dual Copeland Compressor Models

Please consult AWEF table on page 71 to confirm DOE compliance per model

R-448A/R-449A		Capacity BTUH @ 90°F Ambient by SST								
Model	Compressor	0°F	-5°F	-10°F	-15°F	-20°F	-25°F	-30°F	-35°F	-40°F
ACD0240L [^] ACD	4DBNF54KE	198,420	175,140	153,380	132,900	114,000	96,740	81,200	67,460	55,540
ACD0300L [^] ACD	4DHNF63KE	225,580	200,640	177,160	155,100	134,800	116,180	99,580	84,980	72,500
ACD0440L [^] ACD	4DJNF76KE	280,120	246,060	215,860	188,340	163,760	141,040	119,780	99,000	78,320
ACD0540L [^] ACD	6DHNF93KE	325,040	287,020	251,440	218,600	188,600	161,140	136,380	113,300	91,920
ACD0600L [^] ACD	6DJNF11ME	387,640	343,000	301,460	263,140	226,840	194,040	163,820	135,340	108,440

R-448A/R-449A		Capacity BTUH @ 95°F Ambient by SST								
Model	Compressor	0°F	-5°F	-10°F	-15°F	-20°F	-25°F	-30°F	-35°F	-40°F
ACD0240L [^] ACD	4DBNF54KE	190,440	167,880	146,800	126,900	108,460	91,620	76,380	62,860	51,180
ACD0300L [^] ACD	4DHNF63KE	216,580	192,600	169,900	148,600	128,820	110,740	94,600	80,300	68,160
ACD0440L [^] ACD	4DJNF76KE	269,220	235,840	206,400	179,640	155,600	133,320	112,420	91,920	71,520
ACD0540L [^] ACD	6DHNF93KE	311,480	274,680	240,060	207,920	178,760	152,140	127,660	104,960	83,720
ACD0600L [^] ACD	6DJNF11ME	370,640	327,440	287,080	249,440	214,560	182,320	152,760	124,720	98,160

R-448A/R-449A		Capacity BTUH @ 100°F Ambient by SST								
Model	Compressor	0°F	-5°F	-10°F	-15°F	-20°F	-25°F	-30°F	-35°F	-40°F
ACD0240L [^] ACD	4DBNF54KE	182,200	160,500	139,920	120,580	102,640	86,120	71,280	58,000	46,500
ACD0300L [^] ACD	4DHNF63KE	207,580	184,400	162,580	141,880	122,700	105,140	89,460	75,540	63,660
ACD0440L [^] ACD	4DJNF76KE	258,240	225,760	197,000	170,820	147,320	125,460	104,920	84,740	64,580
ACD0540L [^] ACD	6DHNF93KE	297,320	261,360	228,200	197,280	168,400	142,440	118,400	95,960	74,840
ACD0600L [^] ACD	6DJNF11ME	352,900	311,040	272,120	235,520	201,620	170,320	141,060	113,520	86,900

R-448A/R-449A		Capacity BTUH @ 110°F Ambient by SST								
Model	Compressor	0°F	-5°F	-10°F	-15°F	-20°F	-25°F	-30°F	-35°F	-40°F
ACD0240L [^] ACD	4DBNF54KE	165,180	144,760	125,460	107,240	90,160	74,520	60,340	47,660	36,360
ACD0300L [^] ACD	4DHNF63KE	189,340	167,780	147,460	128,140	110,140	93,660	78,780	65,640	54,420
ACD0440L [^] ACD	4DJNF76KE	235,960	205,260	177,980	153,240	130,540	109,520	89,500	70,000	50,600
ACD0540L [^] ACD	6DHNF93KE	267,680	234,060	202,840	173,300	146,460	121,460	98,200	76,200	—
ACD0600L [^] ACD	6DJNF11ME	—	—	240,520	206,460	173,760	144,020	115,980	88,840	—

Notes:

DEMAND COOLING IS REQUIRED FOR OPERATION AT LOW TEMPERATURE APPLICATIONS

[^] C = 208-230/3/60, D = 460/3/60, E = 575/3/60

A1 PERFORMANCE DATA – R-407A/R-407F

Low Temperature - Dual Copeland Compressor Models

Please consult AWEF table on page 71 to confirm DOE compliance per model

R-407A/R-407F		Capacity BTUH @ 90°F Ambient by SST								
Model	Compressor	0°F	-5°F	-10°F	-15°F	-20°F	-25°F	-30°F	-35°F	-40°F
ACD0240L ^Λ ACD	4DBNF54KE	203,480	180,160	157,940	136,980	117,320	99,120	82,460	67,180	53,540
ACD0300L ^Λ ACD	4DHNF63KE	230,800	205,760	182,080	159,540	138,540	118,840	100,760	84,160	69,200
ACD0440L ^Λ ACD	4DJNF76KE	288,200	253,780	222,060	192,680	166,200	143,040	122,860	105,840	92,160
ACD0540L ^Λ ACD	6DHNF93KE	328,240	291,160	256,060	223,140	192,780	164,260	137,680	112,040	87,180
ACD0600L ^Λ ACD	6DJNF11ME	389,620	346,300	305,760	267,800	231,500	197,380	165,320	134,540	104,560

R-407A/R-407F		Capacity BTUH @ 95°F Ambient by SST								
Model	Compressor	0°F	-5°F	-10°F	-15°F	-20°F	-25°F	-30°F	-35°F	-40°F
ACD0240L ^Λ ACD	4DBNF54KE	194,840	172,020	150,740	130,420	111,360	93,680	77,380	62,540	49,200
ACD0300L ^Λ ACD	4DHNF63KE	221,060	196,920	174,060	152,380	132,080	113,060	95,480	79,360	64,740
ACD0440L ^Λ ACD	4DJNF76KE	275,800	242,400	211,500	183,180	158,040	135,740	116,620	100,680	88,160
ACD0540L ^Λ ACD	6DHNF93KE	313,640	277,420	243,880	212,280	182,340	154,760	128,620	103,520	78,980
ACD0600L ^Λ ACD	6DJNF11ME	371,300	329,540	290,420	253,700	218,040	185,000	154,000	123,860	94,520

R-407A/R-407F		Capacity BTUH @ 100°F Ambient by SST								
Model	Compressor	0°F	-5°F	-10°F	-15°F	-20°F	-25°F	-30°F	-35°F	-40°F
ACD0240L ^Λ ACD	4DBNF54KE	185,640	163,840	143,300	123,640	105,160	87,980	72,100	57,620	44,640
ACD0300L ^Λ ACD	4DHNF63KE	211,040	187,900	166,000	145,240	125,520	107,060	90,060	74,420	60,160
ACD0440L ^Λ ACD	4DJNF76KE	263,160	230,780	200,780	173,640	149,540	128,240	110,180	95,340	83,920
ACD0540L ^Λ ACD	6DHNF93KE	298,600	263,640	231,220	200,400	171,320	144,540	119,040	94,460	70,320
ACD0600L ^Λ ACD	6DJNF11ME	353,520	312,480	274,500	238,980	204,300	172,180	141,980	112,560	83,500

R-407A/R-407F		Capacity BTUH @ 110°F Ambient by SST								
Model	Compressor	0°F	-5°F	-10°F	-15°F	-20°F	-25°F	-30°F	-35°F	-40°F
ACD0240L ^Λ ACD	4DBNF54KE	167,000	146,980	127,700	109,340	92,020	75,740	60,820	47,160	34,760
ACD0300L ^Λ ACD	4DHNF63KE	191,120	169,940	149,820	130,400	112,060	94,840	78,880	64,080	50,660
ACD0440L ^Λ ACD	4DJNF76KE	237,260	207,000	179,160	154,260	131,980	112,720	96,740	84,000	74,660
ACD0540L ^Λ ACD	6DHNF93KE	267,280	234,800	204,360	175,180	148,320	122,680	98,060	74,460	51,360
ACD0600L ^Λ ACD	6DJNF11ME	—	—	241,060	207,680	175,400	145,260	116,340	87,820	60,080

Notes:

LOW SUCTION TEMPERATURE APPLICATIONS IN THESE RANGES REQUIRE THE ADDITION OF A HEAD FAN

^Λ C = 208-230/3/60, D = 460/3/60, E = 575/3/60

A1 PERFORMANCE DATA – R-407C

Low Temperature - Dual Copeland Compressor Models

Please consult AWEF table on page 71 to confirm DOE compliance per model

R-407C		Capacity BTUH @ 90°F Ambient by SST								
Model	Compressor	0°F	-5°F	-10°F	-15°F	-20°F	-25°F	-30°F	-35°F	-40°F
ACD0240L ^Λ ACD	4DBNF54KE	175,920	153,240	132,560	113,600	96,480	81,120	67,220	54,780	43,560
ACD0300L ^Λ ACD	4DHNF63KE	200,200	175,600	153,160	132,700	114,100	97,360	82,360	68,700	56,220
ACD0440L ^Λ ACD	4DJNF76KE	232,880	202,920	176,640	153,620	133,240	115,060	98,460	82,800	67,500
ACD0540L ^Λ ACD	6DHNF93KE	287,560	254,480	222,140	191,100	162,140	135,320	110,880	89,720	71,540
ACD0600L ^Λ ACD	6DJNF11ME	334,980	296,280	259,360	223,620	190,160	159,580	131,980	107,120	86,100

R-407C		Capacity BTUH @ 95°F Ambient by SST								
Model	Compressor	0°F	-5°F	-10°F	-15°F	-20°F	-25°F	-30°F	-35°F	-40°F
ACD0240L ^Λ ACD	4DBNF54KE	169,200	147,060	126,880	108,320	91,580	76,540	62,920	50,740	39,660
ACD0300L ^Λ ACD	4DHNF63KE	192,600	168,660	146,800	126,860	108,700	92,380	77,760	64,360	52,260
ACD0440L ^Λ ACD	4DJNF76KE	224,940	195,800	170,460	148,020	128,180	110,380	94,180	78,780	63,700
ACD0540L ^Λ ACD	6DHNF93KE	276,760	244,520	212,600	182,280	153,820	127,120	103,240	81,840	63,680
ACD0600L ^Λ ACD	6DJNF11ME	321,580	283,920	247,960	213,020	180,180	150,280	122,800	98,600	77,400

R-407C		Capacity BTUH @ 100°F Ambient by SST								
Model	Compressor	0°F	-5°F	-10°F	-15°F	-20°F	-25°F	-30°F	-35°F	-40°F
ACD0240L ^Λ ACD	4DBNF54KE	162,220	140,640	120,820	102,780	86,480	71,740	58,360	46,360	35,560
ACD0300L ^Λ ACD	4DHNF63KE	184,800	161,540	140,240	120,720	103,100	87,180	72,940	59,860	48,040
ACD0440L ^Λ ACD	4DJNF76KE	216,420	188,280	163,800	142,060	122,800	105,400	89,560	74,500	59,500
ACD0540L ^Λ ACD	6DHNF93KE	265,860	234,300	203,120	173,160	145,240	118,780	95,200	73,940	55,620
ACD0600L ^Λ ACD	6DJNF11ME	308,080	271,420	236,360	202,000	169,900	140,680	113,520	89,660	68,660

R-407C		Capacity BTUH @ 110°F Ambient by SST								
Model	Compressor	0°F	-5°F	-10°F	-15°F	-20°F	-25°F	-30°F	-35°F	-40°F
ACD0240L ^Λ ACD	4DBNF54KE	147,360	126,740	107,980	90,780	75,340	61,140	48,420	36,940	26,480
ACD0300L ^Λ ACD	4DHNF63KE	168,780	146,640	126,480	107,960	91,240	76,240	62,600	50,180	38,840
ACD0440L ^Λ ACD	4DJNF76KE	197,440	171,360	148,700	128,380	110,100	93,660	78,600	64,040	49,500
ACD0540L ^Λ ACD	6DHNF93KE	243,720	213,560	183,580	154,920	127,240	101,780	78,320	57,160	38,800
ACD0600L ^Λ ACD	6DJNF11ME	—	246,060	212,680	179,840	149,400	120,480	94,540	70,640	49,860

Notes:

DEMAND COOLING IS REQUIRED FOR OPERATION AT LOW TEMPERATURE APPLICATIONS

^Λ C = 208-230/3/60, D = 460/3/60, E = 575/3/60

A1 PERFORMANCE DATA – R-404A/R-507A

Medium Temperature - Dual Copeland Compressor Models

Please consult AWEF table on page 71 to confirm DOE compliance per model

R-404A/R-507A		Capacity BTUH @ 90°F Ambient by SST								
Model	Compressor	40°F	35°F	30°F	25°F	20°F	15°F	10°F	0°F	-10°F
ACD0300M^ACD	3DS3R17ME	413,580	380,840	349,500	319,220	290,380	263,440	237,980	192,220	152,000
ACD0400M^ACD	4DBNR20ME	486,440	452,560	418,100	383,400	349,780	317,580	286,860	230,900	186,840
ACD0500M^ACD	4DHNR22ME	515,080	480,020	444,460	408,540	373,440	338,760	306,100	247,020	200,320
ACD0520M^ACD	4DHNR22ME	522,300	485,660	448,680	411,220	375,400	340,680	307,800	247,680	200,800
ACD0600M^ACD	4DJNR28ME	647,360	597,500	549,180	501,640	457,100	414,640	374,420	300,300	236,620
ACD0700M^ACD	6DHNR35ME	804,020	743,220	684,080	625,980	571,400	520,040	471,460	381,300	—
ACD0800M^ACD	6DJNR40ME	934,000	866,080	799,340	733,380	671,140	611,520	555,060	450,640	—

R-404A/R-507A		Capacity BTUH @ 95°F Ambient by SST								
Model	Compressor	40°F	35°F	30°F	25°F	20°F	15°F	10°F	0°F	-10°F
ACD0300M^ACD	3DS3R17ME	395,060	363,620	333,580	305,360	278,020	252,540	228,180	184,440	145,800
ACD0400M^ACD	4DBNR20ME	463,400	431,220	398,700	366,380	333,820	303,040	273,660	220,180	178,160
ACD0500M^ACD	4DHNR22ME	490,420	456,120	423,340	389,600	355,300	323,160	292,360	235,920	191,060
ACD0520M^ACD	4DHNR22ME	498,120	463,380	428,220	392,540	358,340	325,240	293,660	236,220	191,520
ACD0600M^ACD	4DJNR28ME	615,440	568,680	522,760	477,860	435,540	395,740	356,900	286,680	226,320
ACD0700M^ACD	6DHNR35ME	764,560	707,460	651,520	596,200	545,180	496,300	450,000	363,680	—
ACD0800M^ACD	6DJNR40ME	889,300	825,360	762,360	699,880	640,900	584,320	530,420	430,560	—

R-404A/R-507A		Capacity BTUH @ 100°F Ambient by SST								
Model	Compressor	40°F	35°F	30°F	25°F	20°F	15°F	10°F	0°F	-10°F
ACD0300M^ACD	3DS3R17ME	375,040	346,760	318,080	291,440	265,480	241,300	218,380	176,700	139,660
ACD0400M^ACD	4DBNR20ME	440,200	410,060	379,380	347,860	317,900	289,020	260,580	209,560	169,520
ACD0500M^ACD	4DHNR22ME	464,360	434,400	402,580	370,740	338,220	307,640	278,320	224,340	182,000
ACD0520M^ACD	4DHNR22ME	473,920	441,140	407,840	373,980	341,460	309,860	279,680	224,880	182,360
ACD0600M^ACD	4DJNR28ME	583,620	539,440	496,400	453,900	414,080	376,320	339,900	273,440	216,180
ACD0700M^ACD	6DHNR35ME	724,760	670,960	618,620	566,640	518,400	472,960	428,240	346,060	—
ACD0800M^ACD	6DJNR40ME	844,100	784,060	724,840	665,900	610,180	557,400	505,480	410,540	—

R-404A/R-507A		Capacity BTUH @ 110°F Ambient by SST								
Model	Compressor	40°F	35°F	30°F	25°F	20°F	15°F	10°F	0°F	-10°F
ACD0300M^ACD	3DS3R17ME	337,140	311,160	287,240	263,420	240,960	219,200	198,740	161,320	127,520
ACD0400M^ACD	4DBNR20ME	—	—	—	312,960	286,200	260,260	234,620	188,580	152,380
ACD0500M^ACD	4DHNR22ME	—	—	—	332,540	304,100	276,820	250,420	201,800	163,700
ACD0520M^ACD	4DHNR22ME	—	—	367,120	336,960	307,820	279,720	252,240	202,800	164,140
ACD0600M^ACD	4DJNR28ME	—	480,960	442,120	405,980	371,440	337,660	304,880	246,740	196,340
ACD0700M^ACD	6DHNR35ME	—	—	549,640	506,200	463,780	423,560	384,020	310,920	—
ACD0800M^ACD	6DJNR40ME	—	—	647,520	595,800	546,980	500,320	454,500	370,160	—

Notes:

LOW SUCTION TEMPERATURE APPLICATIONS IN THESE RANGES REQUIRE THE ADDITION OF A HEAD FAN

^ C =208-230/3/60, D = 460/3/60, E = 575/3/60

* K =230/3/60, D = 460/3/60, E = 575/3/60

A1 PERFORMANCE DATA – R-448A/R-449A

Medium Temperature - Dual Copeland Compressor Models

Please consult AWEF table on page 71 to confirm DOE compliance per model

R-448A/R-449A		Capacity BTUH @ 90°F Ambient by SST								
Model	Compressor	40°F	35°F	30°F	25°F	20°F	15°F	10°F	0°F	-10°F
ACD0300M [^] ACD	3DS3R17ME	409,060	373,960	340,120	307,360	276,120	246,920	219,360	170,040	128,360
ACD0400M [^] ACD	4DBNR20ME	502,280	458,420	416,420	376,660	339,580	304,660	272,060	213,740	163,540
ACD0500M [^] ACD	4DHNR22ME	541,360	495,320	450,960	408,720	368,840	331,820	296,680	233,500	178,760
ACD0520M [^] ACD	4DHNR22ME	545,120	497,900	452,700	409,880	369,600	332,340	297,060	233,860	179,160
ACD0600M [^] ACD	4DJNR28ME	649,460	596,640	544,840	494,840	447,120	400,980	356,740	275,160	202,280
ACD0700M [^] ACD	6DHNR35ME	795,820	734,100	672,360	611,420	552,500	495,660	441,540	344,280	265,220
ACD0800M [^] ACD	6DJNR40ME	947,980	873,820	799,840	727,060	656,500	588,500	523,940	408,540	315,880

R-448A/R-449A		Capacity BTUH @ 95°F Ambient by SST								
Model	Compressor	40°F	35°F	30°F	25°F	20°F	15°F	10°F	0°F	-10°F
ACD0300M [^] ACD	3DS3R17ME	394,440	360,880	328,460	296,980	266,880	238,580	211,740	163,500	122,140
ACD0400M [^] ACD	4DBNR20ME	483,640	441,560	401,220	362,960	327,260	293,540	261,880	205,700	157,080
ACD0500M [^] ACD	4DHNR22ME	521,800	476,660	434,140	393,580	355,180	319,580	285,680	224,780	171,700
ACD0520M [^] ACD	4DHNR22ME	525,020	479,680	436,200	394,960	356,180	320,200	286,120	224,980	172,060
ACD0600M [^] ACD	4DJNR28ME	624,640	573,860	524,220	476,100	430,220	385,700	342,980	264,340	193,740
ACD0700M [^] ACD	6DHNR35ME	770,240	711,120	651,700	593,520	536,140	480,960	428,100	333,140	255,120
ACD0800M [^] ACD	6DJNR40ME	917,160	846,320	775,300	705,100	636,940	571,060	508,080	395,620	304,420

R-448A/R-449A		Capacity BTUH @ 100°F Ambient by SST								
Model	Compressor	40°F	35°F	30°F	25°F	20°F	15°F	10°F	0°F	-10°F
ACD0300M [^] ACD	3DS3R17ME	379,840	348,220	316,820	286,580	257,520	230,120	204,100	156,820	115,800
ACD0400M [^] ACD	4DBNR20ME	464,840	424,600	385,880	349,160	314,520	282,020	251,680	197,460	150,420
ACD0500M [^] ACD	4DHNR22ME	501,060	457,920	417,200	378,320	341,380	306,800	274,300	215,480	164,320
ACD0520M [^] ACD	4DHNR22ME	505,700	461,280	419,520	379,920	342,560	307,920	275,020	215,940	164,720
ACD0600M [^] ACD	4DJNR28ME	599,200	550,480	502,900	456,780	412,720	369,820	328,940	253,000	184,880
ACD0700M [^] ACD	6DHNR35ME	744,140	687,700	630,920	574,940	519,500	466,000	414,600	321,660	244,720
ACD0800M [^] ACD	6DJNR40ME	886,160	818,380	750,320	682,820	617,140	553,360	492,240	382,420	292,640

R-448A/R-449A		Capacity BTUH @ 110°F Ambient by SST								
Model	Compressor	40°F	35°F	30°F	25°F	20°F	15°F	10°F	0°F	-10°F
ACD0300M [^] ACD	3DS3R17ME	—	322,260	293,520	265,760	238,960	213,280	188,700	143,300	102,860
ACD0400M [^] ACD	4DBNR20ME	—	—	—	320,860	289,320	259,340	231,240	180,520	136,600
ACD0500M [^] ACD	4DHNR22ME	—	—	—	—	313,180	281,660	251,460	196,780	149,040
ACD0520M [^] ACD	4DHNR22ME	—	—	—	349,420	314,960	282,900	252,260	197,540	149,560
ACD0600M [^] ACD	4DJNR28ME	—	—	458,820	416,640	376,220	336,440	298,980	229,300	166,520
ACD0700M [^] ACD	6DHNR35ME	—	—	—	536,220	485,120	435,020	386,560	297,720	222,860
ACD0800M [^] ACD	6DJNR40ME	—	—	—	—	576,460	516,900	459,480	354,960	268,000

Notes:

LOW SUCTION TEMPERATURE APPLICATIONS IN THESE RANGES REQUIRE THE ADDITION OF A HEAD FAN

[^] C = 208-230/3/60, D = 460/3/60, E = 575/3/60

* K = 230/3/60, D = 460/3/60, E = 575/3/60

A1 PERFORMANCE DATA – R-407A/R-407F

Medium Temperature - Dual Copeland Compressor Models

Please consult AWEF table on page 71 to confirm DOE compliance per model

R-407A/R-407F		Capacity BTUH @ 90°F Ambient by SST								
Model	Compressor	40°F	35°F	30°F	25°F	20°F	15°F	10°F	0°F	-10°F
ACD0300M [^] ACD	3DS3R17ME	417,300	381,500	346,800	312,960	280,800	250,660	222,200	172,240	131,720
ACD0400M [^] ACD	4DBNR20ME	506,500	462,660	420,760	381,120	343,820	309,440	276,980	218,840	168,260
ACD0500M [^] ACD	4DHNR22ME	545,160	497,860	453,880	412,020	372,440	335,580	301,240	238,660	183,780
ACD0520M [^] ACD	4DHNR22ME	551,820	503,480	457,260	414,360	374,220	337,200	302,040	239,020	184,100
ACD0600M [^] ACD	4DJNR28ME	658,620	603,400	550,940	500,540	452,320	406,820	362,800	282,740	211,800
ACD0700M [^] ACD	6DHNR35ME	806,020	743,360	681,000	619,820	560,320	503,880	449,860	352,700	273,020
ACD0800M [^] ACD	6DJNR40ME	959,800	884,000	809,500	736,340	665,920	597,940	533,440	418,180	324,920

R-407A/R-407F		Capacity BTUH @ 95°F Ambient by SST								
Model	Compressor	40°F	35°F	30°F	25°F	20°F	15°F	10°F	0°F	-10°F
ACD0300M [^] ACD	3DS3R17ME	401,000	366,700	333,700	301,260	270,160	241,180	213,740	165,160	125,260
ACD0400M [^] ACD	4DBNR20ME	486,300	444,380	404,200	366,040	330,320	297,240	265,940	209,980	161,220
ACD0500M [^] ACD	4DHNR22ME	523,160	477,820	435,720	395,600	357,580	322,160	289,160	228,960	175,840
ACD0520M [^] ACD	4DHNR22ME	530,160	483,740	439,320	398,140	359,540	323,920	290,060	229,320	176,360
ACD0600M [^] ACD	4DJNR28ME	631,300	578,340	528,340	480,120	434,560	390,460	348,440	271,880	204,380
ACD0700M [^] ACD	6DHNR35ME	777,640	717,760	657,960	599,040	542,340	487,420	435,020	340,240	261,920
ACD0800M [^] ACD	6DJNR40ME	926,840	853,160	781,860	711,700	643,960	578,380	515,940	403,760	312,200

R-407A/R-407F		Capacity BTUH @ 100°F Ambient by SST								
Model	Compressor	40°F	35°F	30°F	25°F	20°F	15°F	10°F	0°F	-10°F
ACD0300M [^] ACD	3DS3R17ME	384,780	352,180	320,660	289,640	259,800	231,840	205,320	158,060	118,780
ACD0400M [^] ACD	4DBNR20ME	467,080	426,020	387,560	350,980	316,700	284,960	254,580	200,940	153,980
ACD0500M [^] ACD	4DHNR22ME	-	458,680	417,440	379,060	342,660	308,660	276,940	218,860	168,000
ACD0520M [^] ACD	4DHNR22ME	507,980	463,020	421,360	381,860	344,760	310,520	277,940	219,440	168,460
ACD0600M [^] ACD	4DJNR28ME	603,500	552,960	505,320	459,360	415,920	373,820	333,700	261,040	197,140
ACD0700M [^] ACD	6DHNR35ME	748,940	691,840	634,480	578,320	523,780	470,740	419,720	327,600	250,520
ACD0800M [^] ACD	6DJNR40ME	890,160	822,320	754,100	686,920	621,840	558,600	497,840	389,100	299,220

R-407A/R-407F		Capacity BTUH @ 110°F Ambient by SST								
Model	Compressor	40°F	35°F	30°F	25°F	20°F	15°F	10°F	0°F	-10°F
ACD0300M [^] ACD	3DS3R17ME	—	323,440	294,840	266,600	239,340	213,340	188,620	143,920	105,880
ACD0400M [^] ACD	4DBNR20ME	—	—	—	320,700	289,740	260,140	232,540	182,560	139,100
ACD0500M [^] ACD	4DHNR22ME	—	—	—	—	312,540	281,380	252,220	198,620	151,580
ACD0520M [^] ACD	4DHNR22ME	—	—	—	349,000	314,960	283,460	253,240	199,560	152,140
ACD0600M [^] ACD	4DJNR28ME	—	—	—	417,160	378,060	340,100	304,280	239,520	183,080
ACD0700M [^] ACD	6DHNR35ME	—	—	—	536,080	485,880	436,540	388,860	301,480	226,820
ACD0800M [^] ACD	6DJNR40ME	—	—	—	636,620	576,880	518,320	461,840	358,940	272,460

Notes:

LOW SUCTION TEMPERATURE APPLICATIONS IN THESE RANGES REQUIRE THE ADDITION OF A HEAD FAN

[^] C =208-230/3/60, D = 460/3/60, E = 575/3/60

* K =230/3/60, D = 460/3/60, E = 575/3/60

A1 PERFORMANCE DATA – R-407C

Medium Temperature - Dual Copeland Compressor Models

Please consult AWEF table on page 71 to confirm DOE compliance per model

R-407C		Capacity BTUH @ 90°F Ambient by SST								
Model	Compressor	40°F	35°F	30°F	25°F	20°F	15°F	10°F	0°F	-10°F
ACD0300M [^] ACD	3DS3R17ME	370,260	337,500	306,080	275,980	247,660	221,120	196,540	152,460	115,320
ACD0400M [^] ACD	4DBNR20ME	451,140	409,780	370,020	333,060	298,020	264,620	231,900	167,740	101,900
ACD0500M [^] ACD	4DHNR22ME	—	—	408,660	369,040	331,860	296,780	263,980	205,140	156,880
ACD0520M [^] ACD	4DHNR22ME	—	—	412,080	371,840	333,300	297,680	264,400	205,520	157,320
ACD0600M [^] ACD	4DJNR28ME	—	—	490,320	442,720	398,120	356,660	317,680	247,680	184,740
ACD0700M [^] ACD	6DHNR35ME	727,040	656,600	592,320	533,740	480,380	431,000	385,280	299,600	213,380
ACD0800M [^] ACD	6DJNR40ME	902,180	800,820	715,060	636,340	570,620	513,840	462,800	368,060	260,460

R-407C		Capacity BTUH @ 95°F Ambient by SST								
Model	Compressor	40°F	35°F	30°F	25°F	20°F	15°F	10°F	0°F	-10°F
ACD0300M [^] ACD	3DS3R17ME	358,280	326,740	296,520	267,420	240,080	214,140	190,040	146,480	109,060
ACD0400M [^] ACD	4DBNR20ME	433,500	393,560	355,420	319,820	286,040	253,960	222,440	161,400	98,700
ACD0500M [^] ACD	4DHNR22ME	—	—	391,540	354,160	319,040	285,660	254,200	197,280	149,360
ACD0520M [^] ACD	4DHNR22ME	—	—	394,760	356,260	320,360	286,480	254,540	197,680	149,840
ACD0600M [^] ACD	4DJNR28ME	—	—	470,580	425,940	383,820	344,600	307,440	239,680	177,040
ACD0700M [^] ACD	6DHNR35ME	698,860	631,620	570,720	514,800	463,720	415,900	371,640	287,960	201,860
ACD0800M [^] ACD	6DJNR40ME	849,280	753,500	673,360	599,920	539,360	486,620	440,680	356,140	257,680

R-407C		Capacity BTUH @ 100°F Ambient by SST								
Model	Compressor	40°F	35°F	30°F	25°F	20°F	15°F	10°F	0°F	-10°F
ACD0300M [^] ACD	3DS3R17ME	346,420	316,120	286,980	258,660	232,020	206,980	183,260	139,980	102,260
ACD0400M [^] ACD	4DBNR20ME	416,140	377,720	341,040	306,880	274,500	243,680	213,680	155,520	96,040
ACD0500M [^] ACD	4DHNR22ME	—	—	375,080	339,940	306,700	275,100	244,760	189,640	141,940
ACD0520M [^] ACD	4DHNR22ME	—	—	378,060	341,880	307,920	275,920	245,260	190,000	142,420
ACD0600M [^] ACD	4DJNR28ME	—	—	451,700	409,780	370,500	332,960	297,660	232,000	169,580
ACD0700M [^] ACD	6DHNR35ME	670,280	606,560	548,680	495,360	446,480	400,580	357,580	275,600	189,760
ACD0800M [^] ACD	6DJNR40ME	795,280	704,920	630,760	562,900	508,660	460,220	419,500	346,100	258,860

R-407C		Capacity BTUH @ 110°F Ambient by SST								
Model	Compressor	40°F	35°F	30°F	25°F	20°F	15°F	10°F	0°F	-10°F
ACD0300M [^] ACD	3DS3R17ME	322,980	294,680	267,500	241,160	215,620	191,620	168,580	—	87,020
ACD0400M [^] ACD	4DBNR20ME	—	—	313,180	282,020	252,760	224,720	197,500	145,300	92,440
ACD0500M [^] ACD	4DHNR22ME	—	—	—	313,480	283,860	255,380	227,400	175,440	—
ACD0520M [^] ACD	4DHNR22ME	—	—	347,040	315,180	284,840	255,840	227,680	175,520	128,320
ACD0600M [^] ACD	4DJNR28ME	—	—	416,240	379,660	344,980	311,700	279,500	217,660	155,680
ACD0700M [^] ACD	6DHNR35ME	—	—	503,400	455,680	410,380	368,320	327,860	248,840	164,180
ACD0800M [^] ACD	6DJNR40ME	—	606,780	543,740	488,040	443,860	408,360	379,740	332,840	273,880

Notes:

LOW SUCTION TEMPERATURE APPLICATIONS IN THESE RANGES REQUIRE THE ADDITION OF A HEAD FAN

[^] C = 208-230/3/60, D = 460/3/60, E = 575/3/60

* K = 230/3/60, D = 460/3/60, E = 575/3/60

A2L UNIT SPECIFICATIONS

Medium & Low Temperature Models - Dual Copeland Discus™ Compressors

Please consult AWEF table on pages 69 to confirm DOE compliance per model

Model	Compressor	Refrigerant Line Connections (OD)				Rec. Capacity @90% full (lbs)		Condenser Fan Data		Dimensions (In.)			Net Wt.
		Standard (2 Each)		Parallel Piped									
		Liquid	Suction	Liquid	Suction	Standard (2 Each)	Parallel Piped	No. Fans	Dia.	Length	Width	Height	(lbs.)
AC*0240L^ACE	4YBNF40KE	1-1/8	2-1/8	1-3/8	3-1/8	123	269	4	30"	170.7	91.5	53.9	4,630
AC*0300L^ACE	4YHNF46KE	1-1/8	2-1/8	1-3/8	3-1/8	123	269	4	30"	170.7	91.5	53.9	4,630
AC*0440L^ACE	4YJNF59KE	1-1/8	2-1/8	1-3/8	3-1/8	123	269	4	30"	170.7	91.5	53.9	4,630
AC*0540L^ACE	6YHNF68KE	1-1/8	2-1/8	1-3/8	3-1/8	123	269	4	30"	170.7	91.5	53.9	4,900
AC*0600L^ACE	6YJNF84KE	1-1/8	2-1/8	1-3/8	3-1/8	123	269	4	30"	170.7	91.5	53.9	4,630
AC*0300M^ACE	3YS3R16ME	1-1/8	1-5/8	1-3/8	2-5/8	123	269	4	30"	176.35	91.5	59.4	4,300
AC*0400M^ACE	4YBNR19ME	1-1/8	2-1/8	1-3/8	2-5/8	123	269	4	30"	176.35	91.5	59.4	4,310
AC*0500M^ACE	4YHNR22ME	1-1/8	2-1/8	1-3/8	2-5/8	123	269	4	30"	176.35	91.5	59.4	4,310
AC*0520M^ACE	4YHNR22ME	1-1/8	2-1/8	1-3/8	2-5/8	123	269	4	30"	176.35	91.5	59.4	4,390
AC*0600M^ACE	4YJNR27ME	1-1/8	2-1/8	1-3/8	2-5/8	188	269	4	30"	176.35	91.5	59.4	4,690
AC*0700M^ACE	6YHNR32ME	1-1/8	2-1/8	1-5/8	3-1/8	188	363	6	30"	229.4	91.5	59.4	5,520
AC*0800M^ACE	6YJNR39ME	1-1/8	2-1/8	1-5/8	3-1/8	188	363	6	30"	229.4	91.5	59.4	5,780

Notes:

* D = Dual Circuit (Standard), P = Parallel Piped

^ C = 208-230/3/60, K = 230/3/60, D = 460/3/60, E = 575/3/60

A1 UNIT SPECIFICATIONS

Medium & Low Temperature - Dual Copeland Compressor Models

Please consult AWEF table on page 71 to confirm DOE compliance per model

Model	Compressor	Refrigerant Line Connections (OD)				Rec. Capacity @90% full (lbs)		Condenser Fan Data		Dimensions (In.)			Net Wt.
		Standard (2 Each)		Parallel Piped		Standard (2 Each)	Parallel Piped	No. Fans	Dia.	Length	Width	Height	(lbs.)
		Liquid	Suction	Liquid	Suction								
ACD0240L^ACD	4DBNF54KE	1-1/8	2-1/8	1-3/8	3-1/8	123	269	4	30"	176.35	91.5	59.4	4,475
ACD0300L^ACD	4DHNF63KE	1-1/8	2-1/8	1-3/8	3-1/8	123	269	4	30"	176.35	91.5	59.4	4,475
ACD0440L^ACD	4DJNF76KE	1-1/8	2-1/8	1-3/8	3-1/8	123	269	4	30"	176.35	91.5	59.4	4,475
ACD0540L^ACD	6DHNF93KE	1-1/8	2-1/8	1-3/8	3-1/8	123	269	4	30"	176.35	91.5	59.4	4,475
ACD0600L^ACD	6DJNF11ME	1-1/8	2-1/8	1-3/8	3-1/8	123	269	4	30"	176.35	91.5	59.4	4,475
ACD0300M^ACD	3DS3R17ME	1-1/8	1-5/8	1-3/8	2-5/8	123	269	4	30"	176.35	91.5	59.4	4,220
ACD0400M^ACD	4DBNR20ME	1-1/8	2-1/8	1-3/8	2-5/8	123	269	4	30"	176.35	91.5	59.4	4,225
ACD0500M^ACD	4DHNR22ME	1-1/8	2-1/8	1-3/8	2-5/8	123	269	4	30"	176.35	91.5	59.4	4,225
ACD0520M^ACD	4DHNR22ME	1-1/8	2-1/8	1-3/8	2-5/8	123	269	4	30"	176.35	91.5	59.4	4,225
ACD0600M^ACD	4DJNR28ME	1-1/8	2-1/8	1-3/8	2-5/8	188	269	4	30"	176.35	91.5	59.4	4,425
ACD0700M^ACD	6DHNR35ME	1-1/8	2-1/8	1-5/8	3-1/8	188	363	6	30"	229.4	91.5	59.4	5,094
ACD0800M^ACD	6DJNR40ME	1-1/8	2-1/8	1-5/8	3-1/8	188	363	6	30"	229.4	91.5	59.4	5,534

Notes:

^ C = 208-230/3/60, D = 460/3/60, K = 230/3/60

* K = 230/3/60, D = 460/3/60, E = 575/3/60

A2L ELECTRICAL DATA

Low Temperature Models - Dual Copeland Discus™ Compressors/208-230V

Please consult AWEF table on page 69 to confirm DOE compliance per model

Model	Compressor	Condensing Unit						Remote Loads							
		Compressor		Condenser		Air Defrost		2 Contactors†				1 Contactor†			
		RLA (Each)	LRA (Each)	No. Fans	FLA (Total)	MCA	MOPD	Evap. Fan Amps	Defrost Htrs. Amps	Electric Defrost		Evap. Fan Amps	Defrost Htrs. Amps	Electric Defrost	
										MCA	MOPD			MCA	MOPD
AC*0240LCACE	4YBNF40KE	46.0	220	4	26.4	129.9	175	22	64	173.9	200	15	48	159.9	200
AC*0300LCACE	4YHNF46KE	47.2	278	4	26.4	132.6	175	25	83	182.6	225	15	48	162.6	200
AC*0440LCACE	4YJNF59KE	57.7	374	4	26.4	156.2	175	25	105	206.2	250	15	48	186.2	225
AC*0540LCACE	6YHNF68KE	72.4	450	4	26.4	189.3	250	25	106	239.3	300	20	96	229.3	300
AC*0600LCACE	6YJNF84KE	85.8	470	4	26.4	219.5	300	30	159.1	279.5	350	20	96	259.5	300

Notes:

MCA = Minimum Circuit Ampacity

MOP = Maximum Overcurrent Protection

† = Number of Contactors per Compressor

Loads are shown per compressor circuit

Contact factory for 575 volt electrical specification

A2L ELECTRICAL DATA

Low Temperature Models - Dual Copeland Discus™ Compressors/460V

Please consult AWEF table on page 69 to confirm DOE compliance per model

Model	Compressor	Condensing Unit						Remote Loads							
		Compressor		Condenser		Air Defrost		2 Contactors†				1 Contactor†			
		RLA (Each)	LRA (Each)	No. Fans	FLA (Total)	MCA	MOPD	Evap. Fan Amps	Defrost Htrs. Amps	Electric Defrost		Evap. Fan Amps	Defrost Htrs. Amps	Electric Defrost	
										MCA	MOPD			MCA	MOPD
AC*0240LDACE	4YBNF40KE	23.0	110	4	13.2	65.0	80	15	38	95.0	110	10	24	85.0	100
AC*0300LDACE	4YHNF46KE	23.6	139	4	13.2	66.3	80	15	48	96.3	110	15	40	96.3	110
AC*0440LDACE	4YJNF59KE	28.8	187	4	13.2	78.0	100	15	56.8	108.0	125	15	48	108.0	125
AC*0540LDACE	6YHNF68KE	36.2	225	4	13.2	94.7	125	15	64	124.7	150	15	48	124.7	150
AC*0600LDACE	6YJNF84KE	42.9	235	4	13.2	109.7	150	20	76	149.7	175	15	48	139.7	175

Notes:

* D = Dual Circuit (Standard), P = Parallel Piped

MCA = Minimum Circuit Ampacity

MOP = Maximum Overcurrent Protection

† = Number of Contactors per Compressor

Loads are shown per compressor circuit

Contact factory for 575 volt electrical specification

A2L ELECTRICAL DATA

Medium Temperature Models - Dual Copeland Discus™ Compressors/208-230V

Please consult AWEF table on page 69 to confirm DOE compliance per model

Model	Compressor	Condensing Unit						Remote Loads							
		Compressor		Condenser		Air Defrost		2 Contactors†				1 Contactor†			
		RLA (Each)	LRA (Each)	No. Fans	FLA (Total)	MCA	MOPD	Evap. Fan Amps	Defrost Htrs. Amps	Electric Defrost		Evap. Fan Amps	Defrost Htrs. Amps	Electric Defrost	
										MCA	MOPD			MCA	MOPD
AC*0300MCACE	3YS3R16ME	53.5	275	4	26.4	146.8	200	25	96	196.8	250	25	96	196.8	250
AC*0400MCACE	4YBNR19ME	64.7	374	4	26.4	172.0	225	25	108	222.0	250	20	96	212.0	250
AC*0500MCACE	4YHNR22ME	66.8	428	4	26.4	176.7	225	30	136.4	236.7	300	—	—	—	—
AC*0520MCACE	4YHNR22ME	66.8	428	4	26.4	176.7	225	30	136.4	236.7	300	—	—	—	—
AC*0600MCACE	4YJNR27ME	94.6	470	4	26.4	239.3	300	—	—	—	—	—	—	—	—
AC*0700MCACE	6YHNR32ME	112.3	565	6	39.6	292.3	400	—	—	—	—	—	—	—	—
AC*0800MKACE	6YJNR39ME	128.2	594	6	39.6	328.1	450	—	—	—	—	—	—	—	—

Notes:

^ C = 208-230/3/60

* K = 230/3/60

MCA = Minimum Circuit Ampacity

MOP = Maximum Overcurrent Protection

† = Number of Contactors per Compressor

Loads are shown per compressor circuit

A2L ELECTRICAL DATA

Medium Temperature Models - Dual Copeland Discus™ Compressors/460V

Please consult AWEF table on page 69 to confirm DOE compliance per model

Model	Compressor	Condensing Unit						Remote Loads							
		Compressor		Condenser		Air Defrost		2 Contactors†				1 Contactor†			
		RLA (Each)	LRA (Each)	No. Fans	FLA (Total)	MCA	MOPD	Evap. Fan Amps	Defrost Htrs. Amps	Electric Defrost		Evap. Fan Amps	Defrost Htrs. Amps	Electric Defrost	
										MCA	MOPD			MCA	MOPD
AC*0300MDACE	3YS3R16ME	26.0	138	4	13.2	71.7	90	15	56.8	101.7	125	15	48	101.7	125
AC*0400MDACE	4YBNR19ME	32.4	187	4	13.2	86.1	110	15	56.8	116.1	125	15	48	116.1	125
AC*0500MDACE	4YHNR22ME	33.4	214	4	13.2	88.4	110	20	67	128.4	150	15	68.2	118.4	150
AC*0520MDACE	4YHNR22ME	33.4	214	4	13.2	88.4	110	20	79.5	128.4	175	15	68.2	118.4	150
AC*0600MDACE	4YJNR27ME	47.3	235	4	13.2	119.6	150	20	77	159.6	200	20	77	159.6	200
AC*0700MDACE	6YHNR32ME	56.2	283	6	19.8	146.3	200	20	84	186.3	225	20	84	186.3	225
AC*0800MDACE	6YJNR39ME	64.1	297	6	19.8	164.0	225	20	96	204.0	250	20	96	204.0	250

Notes:

MCA = Minimum Circuit Ampacity

MOP = Maximum Overcurrent Protection

† = Number of Contactors per Compressor

Loads are shown per compressor circuit

A1 ELECTRICAL DATA

Low Temperature - Dual Copeland Compressor Models/208-230V

Please consult AWEF table on page 71 to confirm DOE compliance per model

Model	Compressor	Condensing Unit						Remote Loads							
		Compressor		Condenser		Air Defrost		2 Contactors [†]				1 Contactor [†]			
		RLA (Each)	LRA (Each)	No. Fans	FLA (Total)	MCA	MOPD	Evap. Fan Amps	Defrost Htrs. Amps	Electric Defrost		Evap. Fan Amps	Defrost Htrs. Amps	Electric Defrost	
										MCA	MOPD			MCA	MOPD
ACD0240LCACD	4DBNF54KE	46.0	220	4	26.4	130.0	175	22	64	174.0	200	15	48	160.0	200
ACD0300LCACD	4DHNF63KE	47.2	278	4	26.4	132.6	175	25	83	186.8	225	15	48	162.6	200
ACD0440LCACD	4DJNF76KE	57.7	374	4	26.4	156.2	200	25	105	236.3	250	15	48	186.2	225
ACD0540LCACD	6DHNF93KE	72.4	450	4	26.4	189.4	250	25	106	239.4	300	20	96	229.4	300
ACD0600LCACD	6DJNF11ME	85.8	470	4	26.4	219.4	300	30	159.1	358.0	400	20	96	259.4	300

Low Temperature - Dual Copeland Compressor Models/460V

Please consult AWEF table on page 71 to confirm DOE compliance per model

Model	Compressor	Condensing Unit						Remote Loads							
		Compressor		Condenser		Air Defrost		2 Contactors [†]				1 Contactor [†]			
		RLA (Each)	LRA (Each)	No. Fans	FLA (Total)	MCA	MOPD	Evap. Fan Amps	Defrost Htrs. Amps	Electric Defrost		Evap. Fan Amps	Defrost Htrs. Amps	Electric Defrost	
										MCA	MOPD			MCA	MOPD
ACD0240LDACD	4DBNF54KE	23.0	110	4	13.2	65.0	80	15	38	95.0	100	10	24	85.0	100
ACD0300LDACD	4DHNF63KE	23.6	139	4	13.2	66.3	80	15	48	108.0	125	15	40	96.3	100
ACD0440LDACD	4DJNF76KE	28.8	187	4	13.2	78.1	100	15	56.8	127.8	150	15	48	108.1	125
ACD0540LDACD	6DHNF93KE	36.2	225	4	13.2	94.7	125	15	64	144.0	150	15	48	124.7	150
ACD0600LDACD	6DJNF11ME	42.9	235	4	13.2	109.7	150	20	76	171.0	175	15	48	139.7	175

Notes:

MCA = Minimum Circuit Ampacity

MOP = Maximum Overcurrent Protection

[†] = Number of Contactors per Compressor

Loads are shown per compressor circuit

Contact factory for 575 volt electrical specification

A1 ELECTRICAL DATA

Medium Temperature - Dual Copeland Compressor Models/208-230V

Please consult AWEF table on page 71 to confirm DOE compliance per model

Model	Compressor	Condensing Unit						Remote Loads							
		Compressor		Condenser		Air Defrost		2 Contactors [†]				1 Contactor [†]			
		RLA (Each)	LRA (Each)	No. Fans	FLA (Total)	MCA	MOPD	Evap. Fan Amps	Defrost Htrs. Amps	Electric Defrost		Evap. Fan Amps	Defrost Htrs. Amps	Electric Defrost	
										MCA	MOPD			MCA	MOPD
ACD0300MCACD	3DS3R17ME	53.5	275	4	26.4	146.8	200	25	96	216.0	250	25	96	216.0	250
ACD0400MCACD	4DBNR20ME	64.7	374	4	26.4	172.1	225	25	108	243.0	250	20	96	216.0	250
ACD0500MCACD	4DHNR22ME	66.8	428	4	26.4	176.7	225	30	136.4	306.9	350	—	—	—	—
ACD0520MCACD	4DHNR22ME	66.8	428	4	26.4	176.7	225	30	136.4	306.9	350	—	—	—	—
ACD0600MCACD	4DJNR28ME	94.6	470	4	26.4	239.3	300	—	—	—	—	—	—	—	—
ACD0700MCACD	6DHNR35ME	112.3	565	6	39.6	292.3	400	—	—	—	—	—	—	—	—
ACD0800MKACD	6DJNR40ME	128.2	594	6	39.6	328.1	400	—	—	—	—	—	—	—	—

Medium Temperature - Dual Copeland Compressor Models/460V

Please consult AWEF table on page 71 to confirm DOE compliance per model

Model	Compressor	Condensing Unit						Remote Loads							
		Compressor		Condenser		Air Defrost		2 Contactors [†]				1 Contactor [†]			
		RLA (Each)	LRA (Each)	No. Fans	FLA (Total)	MCA	MOPD	Evap. Fan Amps	Defrost Htrs. Amps	Electric Defrost		Evap. Fan Amps	Defrost Htrs. Amps	Electric Defrost	
										MCA	MOPD			MCA	MOPD
ACD0300MDACD	3DS3R17ME	26.0	138	4	13.2	71.8	90	15	56.8	127.8	150	15	48	108.0	125
ACD0400MDACD	4DBNR20ME	32.4	187	4	13.2	86.0	100	15	56.8	127.8	150	15	48	116.0	125
ACD0500MDACD	4DHNR22ME	33.4	214	4	13.2	88.3	100	20	67	150.8	175	15	68.2	153.5	175
ACD0520MDACD	4DHNR22ME	33.4	214	4	13.2	88.3	100	20	79.5	178.9	200	15	68.2	153.5	175
ACD0600MDACD	4DJNR28ME	47.3	235	4	13.2	119.6	150	20	77	173.3	200	20	77	173.3	200
ACD0700MDACD	6DHNR35ME	56.2	283	6	19.8	146.1	200	20	84	189.0	225	20	84	189.0	225
ACD0800MDACD	6DJNR40ME	64.1	297	6	19.8	164.0	225	20	96	216.0	250	20	96	216.0	250

Notes:

MCA = Minimum Circuit Ampacity

MOP = Maximum Overcurrent Protection

[†] = Number of Contactors per Compressor

Loads are shown per compressor circuit

Contact factory for 575 volt electrical specification

MODELS WITH DUAL BITZER SEMI-HERMETIC COMPRESSORS

A2L PERFORMANCE DATA – R-454C

Low Temperature Models - Dual Bitzer Semi-Hermetic Compressors

Please consult AWEF table on page 70 to confirm DOE compliance per model

R-454C		Capacity BTUH @ 90°F Ambient by SST								
Model	Compressor	0°F	-5°F	-10°F	-15°F	-20°F	-25°F	-30°F	-35°F	-40°F
ACD0260L [^] ABV	4JE-15Y	170,180	148,580	129,100	111,120	94,820	79,860	66,320	—	—
ACD0300L [^] ABV	4HE-18Y	170,340	148,680	129,220	111,180	94,880	79,900	66,340	—	—
ACD0400L [^] ABV	4GE-23Y	231,920	203,960	178,240	154,720	133,140	113,280	95,180	78,440	—
ACD0440L [^] ABV	6JE-25Y	248,800	217,580	189,600	163,520	139,820	118,180	98,460	80,340	—
ACD0500L [^] ABV	6HE-28Y	286,680	251,920	219,880	190,500	163,660	138,980	116,320	95,380	75,960
ACD0600L [^] ABV	6GE-34Y	286,680	251,920	219,880	190,500	163,660	138,980	116,320	95,380	75,960
ACD0800L [^] ABV	6FE-44Y	411,740	362,800	317,860	276,220	237,920	202,860	170,360	140,260	111,980

R-454C		Capacity BTUH @ 95°F Ambient by SST								
Model	Compressor	0°F	-5°F	-10°F	-15°F	-20°F	-25°F	-30°F	-35°F	-40°F
ACD0260L [^] ABV	4JE-15Y	162,360	141,640	122,720	105,360	89,680	75,280	62,240	—	—
ACD0300L [^] ABV	4HE-18Y	162,440	141,620	122,820	105,420	89,740	75,320	62,260	—	—
ACD0400L [^] ABV	4GE-23Y	221,760	194,820	170,040	147,320	126,680	107,640	90,300	74,260	—
ACD0440L [^] ABV	6JE-25Y	237,580	207,480	180,120	154,980	132,280	111,380	92,440	75,080	—
ACD0500L [^] ABV	6HE-28Y	273,740	240,160	209,240	180,980	155,000	131,420	109,660	89,600	70,980
ACD0600L [^] ABV	6GE-34Y	273,740	240,160	209,240	180,980	155,000	131,420	109,660	89,600	70,980
ACD0800L [^] ABV	6FE-44Y	393,580	346,460	303,200	263,080	226,440	192,700	161,600	132,660	105,640

R-454C		Capacity BTUH @ 100°F Ambient by SST								
Model	Compressor	0°F	-5°F	-10°F	-15°F	-20°F	-25°F	-30°F	-35°F	-40°F
ACD0260L [^] ABV	4JE-15Y	154,620	134,640	116,420	99,660	84,560	70,720	58,220	—	—
ACD0300L [^] ABV	4HE-18Y	154,720	134,720	116,480	99,720	84,600	70,800	58,280	—	—
ACD0400L [^] ABV	4GE-23Y	211,500	185,760	161,880	140,060	120,260	102,020	85,460	70,160	—
ACD0440L [^] ABV	6JE-25Y	226,460	197,300	170,880	146,620	124,740	104,620	86,420	69,780	—
ACD0500L [^] ABV	6HE-28Y	260,860	228,520	198,780	171,460	146,480	123,860	102,960	83,780	66,000
ACD0600L [^] ABV	6GE-34Y	260,860	228,520	198,780	171,460	146,480	123,860	102,960	83,780	66,000
ACD0800L [^] ABV	6FE-44Y	375,420	330,000	288,380	249,960	214,820	182,460	152,620	125,060	—

R-454C		Capacity BTUH @ 110°F Ambient by SST								
Model	Compressor	0°F	-5°F	-10°F	-15°F	-20°F	-25°F	-30°F	-35°F	-40°F
ACD0260L [^] ABV	4JE-15Y	139,400	120,860	103,900	88,380	74,440	61,700	—	—	—
ACD0300L [^] ABV	4HE-18Y	139,520	120,920	103,960	88,440	74,480	61,780	—	—	—
ACD0400L [^] ABV	4GE-23Y	191,660	167,660	145,760	125,700	107,540	90,900	75,820	62,020	—
ACD0440L [^] ABV	6JE-25Y	204,480	177,400	152,680	130,140	109,800	91,220	74,520	59,180	—
ACD0500L [^] ABV	6HE-28Y	235,440	205,300	177,920	152,640	129,580	108,760	89,640	72,160	55,920
ACD0600L [^] ABV	6GE-34Y	235,440	205,300	177,920	152,640	129,580	108,760	89,640	72,160	55,920
ACD0800L [^] ABV	6FE-44Y	339,080	297,700	259,180	223,840	191,540	162,040	134,860	109,760	86,300

Notes:

HEAD FAN REQUIRED

Liquid Injection via CIC is Required

[^] C = 208-230/3/60, D = 460/3/60, K=230/3/60
For 50 cycle capacity, multiply values by .86

A2L PERFORMANCE DATA – R-455A

Low Temperature Models - Dual Bitzer Semi-Hermetic Compressors

Please consult AWEF table on page 70 to confirm DOE compliance per model

R-455A		Capacity BTUH @ 90°F Ambient by SST								
Model	Compressor	0°F	-5°F	-10°F	-15°F	-20°F	-25°F	-30°F	-35°F	-40°F
ACD0260L^ABV	4JE-15Y	175,760	153,420	133,000	114,300	97,300	81,800	67,780	—	—
ACD0300L^ABV	4HE-18Y	207,480	181,640	158,020	136,340	116,620	98,560	82,220	—	—
ACD0400L^ABV	4GE-23Y	239,840	210,580	184,100	159,680	137,400	117,000	98,340	81,140	—
ACD0440L^ABV	6JE-25Y	257,660	225,260	195,620	168,480	143,800	121,320	100,820	82,000	—
ACD0500L^ABV	6HE-28Y	296,800	260,580	227,160	196,800	168,800	143,260	119,880	98,280	—
ACD0600L^ABV	6GE-34Y	333,400	295,260	259,840	226,980	196,600	168,580	142,820	118,720	96,080
ACD0800L^ABV	6FE-44Y	425,440	374,860	328,160	285,140	245,660	209,380	176,060	145,040	—

R-455A		Capacity BTUH @ 95°F Ambient by SST								
Model	Compressor	0°F	-5°F	-10°F	-15°F	-20°F	-25°F	-30°F	-35°F	-40°F
ACD0260L^ABV	4JE-15Y	167,720	146,020	126,300	108,260	91,860	76,960	63,460	—	—
ACD0300L^ABV	4HE-18Y	198,180	173,140	150,320	129,440	110,460	93,120	77,380	—	—
ACD0400L^ABV	4GE-23Y	229,000	201,000	175,380	151,940	130,500	110,940	93,120	76,680	—
ACD0440L^ABV	6JE-25Y	246,060	214,360	185,780	159,600	135,740	114,080	94,320	76,300	—
ACD0500L^ABV	6HE-28Y	283,120	248,340	215,960	186,600	159,660	135,080	112,640	91,880	—
ACD0600L^ABV	6GE-34Y	318,780	282,040	247,960	216,400	187,300	160,340	135,520	112,580	90,960
ACD0800L^ABV	6FE-44Y	406,340	357,320	312,520	271,200	233,260	198,420	166,480	136,740	—

R-455A		Capacity BTUH @ 100°F Ambient by SST								
Model	Compressor	0°F	-5°F	-10°F	-15°F	-20°F	-25°F	-30°F	-35°F	-40°F
AC*0260L^ABV	4JE-15Y	159,560	138,600	119,560	102,200	86,400	72,040	59,060	—	—
AC*0300L^ABV	4HE-18Y	188,780	164,600	142,600	122,500	104,260	87,580	72,500	—	—
AC*0400L^ABV	4GE-23Y	218,180	191,280	166,680	144,120	123,580	104,860	87,760	72,080	—
AC*0440L^ABV	6JE-25Y	234,160	203,640	175,920	150,600	127,640	106,760	87,780	70,400	—
AC*0500L^ABV	6HE-28Y	269,400	235,660	204,740	176,300	150,440	126,780	105,300	85,400	—
AC*0600L^ABV	6GE-34Y	304,200	268,880	236,120	205,820	177,960	152,060	128,300	106,400	85,740
AC*0800L^ABV	6FE-44Y	387,300	339,780	296,940	257,180	220,740	187,380	156,780	128,340	—

R-455A		Capacity BTUH @ 110°F Ambient by SST								
Model	Compressor	0°F	-5°F	-10°F	-15°F	-20°F	-25°F	-30°F	-35°F	-40°F
AC*0260L^ABV	4JE-15Y	143,300	123,780	106,160	89,980	75,400	62,160	50,200	—	—
AC*0300L^ABV	4HE-18Y	169,980	147,560	127,200	108,620	91,760	76,480	62,640	—	—
AC*0400L^ABV	4GE-23Y	196,600	171,860	149,200	128,500	109,660	92,540	77,020	62,800	—
AC*0440L^ABV	6JE-25Y	210,360	181,960	156,240	132,680	111,320	91,960	74,420	58,420	—
AC*0500L^ABV	6HE-28Y	242,020	210,520	181,860	155,740	131,820	110,080	90,220	72,060	55,280
AC*0600L^ABV	6GE-34Y	275,260	242,700	212,580	184,680	159,000	135,440	113,760	93,800	75,020
AC*0800L^ABV	6FE-44Y	348,260	305,080	265,660	229,160	195,740	165,160	137,200	111,240	87,240

Notes:

HEAD FAN REQUIRED

Liquid Injection via CIC is Required

* D = Dual Circuit (Standard), P = Parallel Piped

^ C = 208-230/3/60, D = 460/3/60, K=230/3/60

For 50 cycle capacity, multiply values by .86

A2L PERFORMANCE DATA – R-454C

Medium Temperature Models - Dual Bitzer Semi-Hermetic Compressors

Please consult AWEF table on page 70 to confirm DOE compliance per model

R-454C		Capacity BTUH @ 90°F Ambient by SST									
Model	Compressor	40°F	35°F	30°F	25°F	20°F	15°F	10°F	0°F	-10°F	-20°F
AC*0300M*ABV	4PES-15Y	317,940	285,880	255,840	227,980	202,000	178,200	156,420	118,860	88,440	111,420
AC*0400M*ABV	4NES-20Y	369,720	333,860	300,160	268,680	239,140	211,940	186,820	143,520	108,020	79,040
AC*0440M*ABV	4JE-22Y	408,760	370,620	334,120	300,020	267,780	238,100	210,580	162,280	122,420	89,400
AC*0500M*ABV	4HE-25Y	476,260	432,720	391,140	352,120	315,280	281,080	249,300	193,580	147,280	108,660
AC*0600M*ABV	4GE-30Y	557,500	505,480	456,040	410,100	366,840	326,820	290,000	225,220	171,420	126,760
AC*0660M*ABV	6JE-33Y	616,540	557,200	501,680	448,900	399,840	354,640	313,200	240,800	181,120	132,120
AC*0700M*ABV	6HE-35Y	710,920	644,540	581,680	522,400	467,180	416,120	368,840	285,960	217,480	160,360
AC*0800M*ABV	6GE-40Y	806,880	733,560	663,020	596,380	534,300	476,940	423,380	329,680	251,660	186,380
AC*0110M*ABV	6FE-50Y	970,620	883,840	800,780	721,940	648,480	579,940	515,800	403,020	308,360	228,680

R-454C		Capacity BTUH @ 95°F Ambient by SST									
Model	Compressor	40°F	35°F	30°F	25°F	20°F	15°F	10°F	0°F	-10°F	-20°F
AC*0300M*ABV	4PES-15Y	304,840	273,940	245,160	218,080	192,900	170,060	149,180	112,960	83,660	—
AC*0400M*ABV	4NES-20Y	354,880	320,380	287,840	257,220	228,960	202,740	178,640	136,840	102,660	74,880
AC*0440M*ABV	4JE-22Y	392,360	355,400	320,380	287,460	256,500	227,760	201,140	154,760	116,300	84,480
AC*0500M*ABV	4HE-25Y	456,580	414,840	375,100	337,540	302,040	269,120	238,500	184,820	140,360	103,180
AC*0600M*ABV	4GE-30Y	534,880	484,940	437,840	393,120	351,500	312,840	277,480	215,280	163,580	120,740
AC*0660M*ABV	6JE-33Y	592,820	535,480	481,760	430,300	383,320	339,700	299,640	229,560	172,040	124,860
AC*0700M*ABV	6HE-35Y	682,900	618,940	558,280	501,260	447,980	398,760	353,020	273,220	207,300	152,320
AC*0800M*ABV	6GE-40Y	774,340	704,000	635,520	572,080	512,340	457,100	405,820	315,340	240,160	177,380
AC*0110M*ABV	6FE-50Y	930,220	847,160	767,500	692,080	621,520	555,660	494,180	385,680	294,680	217,940

R-454C		Capacity BTUH @ 100°F Ambient by SST									
Model	Compressor	40°F	35°F	30°F	25°F	20°F	15°F	10°F	0°F	-10°F	-20°F
AC*0300M*ABV	4PES-15Y	291,680	262,080	234,280	208,200	184,080	161,960	141,900	107,020	78,920	—
AC*0400M*ABV	4NES-20Y	340,040	306,900	275,800	246,300	218,800	193,560	170,300	130,140	97,380	70,680
AC*0440M*ABV	4JE-22Y	375,880	340,360	306,660	274,880	245,040	217,360	191,820	147,080	110,040	79,480
AC*0500M*ABV	4HE-25Y	437,240	397,200	358,940	322,880	288,720	257,020	227,580	176,000	133,240	97,560
AC*0600M*ABV	4GE-30Y	512,020	464,320	419,000	376,000	336,040	299,280	264,920	205,180	155,620	114,460
AC*0660M*ABV	6JE-33Y	569,020	513,700	461,780	412,540	366,720	324,420	285,740	218,240	162,880	117,320
AC*0700M*ABV	6HE-35Y	654,560	593,280	534,660	479,940	428,640	381,240	337,360	260,400	196,880	144,020
AC*0800M*ABV	6GE-40Y	742,780	674,420	609,180	547,640	490,220	436,840	387,740	300,940	228,540	167,960
AC*0110M*ABV	6FE-50Y	889,720	810,320	733,300	661,900	594,180	530,620	472,340	367,940	280,560	206,720

Notes:

HEAD FAN REQUIRED

Liquid Injection via CIC is Required

* D = Dual Circuit (Standard), P = Parallel Piped

^ C = 208-230/3/60, D = 460/3/60, K=230/3/60

For 50 cycle capacity, multiply values by .86

A2L PERFORMANCE DATA – R-454C

Medium Temperature Models - Dual Bitzer Semi-Hermetic Compressors

Please consult AWEF table on page 70 to confirm DOE compliance per model

R-454C		Capacity BTUH @ 110°F Ambient by SST									
Model	Compressor	40°F	35°F	30°F	25°F	20°F	15°F	10°F	0°F	-10°F	-20°F
AC*0300M^ABV	4PES-15Y	265,860	238,660	212,760	188,540	166,260	145,840	127,360	95,160	69,340	—
AC*0400M^ABV	4NES-20Y	—	279,940	251,280	223,920	198,500	175,240	153,740	116,660	86,440	62,040
AC*0440M^ABV	4JE-22Y	—	—	279,320	249,700	222,020	196,380	172,740	131,400	97,220	69,120
AC*0500M^ABV	4HE-25Y	—	—	326,240	293,160	261,740	232,360	205,620	157,860	118,620	85,800
AC*0600M^ABV	4GE-30Y	466,580	423,200	381,000	341,480	304,620	270,740	239,220	184,420	138,860	101,200
AC*0660M^ABV	6JE-33Y	—	470,360	421,640	375,920	333,360	294,260	257,960	195,360	143,840	101,840
AC*0700M^ABV	6HE-35Y	—	541,400	487,480	437,000	389,220	345,520	305,160	233,980	175,360	126,640
AC*0800M^ABV	6GE-40Y	—	614,700	554,880	498,300	445,280	396,720	351,000	270,700	203,840	147,760
AC*0110M^ABV	6FE-50Y	—	—	666,900	601,040	538,940	480,780	427,260	331,280	250,860	182,460

Notes:

HEAD FAN REQUIRED

Liquid Injection via CIC is Required

* D = Dual Circuit (Standard), P = Parallel Piped

^ C = 208-230/3/60, D = 460/3/60, K=230/3/60

For 50 cycle capacity, multiply values by .86

A2L PERFORMANCE DATA – R-455A

Medium Temperature Models - Dual Bitzer Semi-Hermetic Compressors

Please consult AWEF table on page 70 to confirm DOE compliance per model

R-455A		Capacity BTUH @ 90°F Ambient by SST									
Model	Compressor	40°F	35°F	30°F	25°F	20°F	15°F	10°F	0°F	-10°F	-20°F
AC*0300M^ABV	4PES-15Y	330,720	297,120	265,580	236,300	209,060	184,220	161,500	122,400	90,600	—
AC*0400M^ABV	4NES-20Y	385,000	347,560	311,980	278,820	247,960	219,660	193,520	148,300	111,420	81,300
AC*0440M^ABV	4JE-22Y	425,140	385,040	346,820	310,900	277,340	246,480	217,680	167,500	125,940	91,580
AC*0500M^ABV	4HE-25Y	494,680	449,440	406,020	364,900	326,680	291,020	258,160	200,160	152,020	111,960
AC*0600M^ABV	4GE-30Y	577,700	523,600	472,280	424,020	379,200	337,860	299,460	232,480	176,840	130,680
AC*0660M^ABV	6JE-33Y	643,320	581,020	521,880	466,540	415,200	368,000	324,300	248,720	186,420	135,260
AC*0700M^ABV	6HE-35Y	738,800	669,680	604,080	542,260	484,560	431,460	381,880	295,760	224,420	165,060
AC*0800M^ABV	6GE-40Y	836,200	758,860	685,360	616,100	551,440	491,880	436,340	339,560	258,980	191,740
AC*0110M^ABV	6FE-50Y	970,620	883,840	800,780	721,940	648,480	579,940	515,800	403,020	308,360	228,680

R-455A		Capacity BTUH @ 95°F Ambient by SST									
Model	Compressor	40°F	35°F	30°F	25°F	20°F	15°F	10°F	0°F	-10°F	-20°F
AC*0300M^ABV	4PES-15Y	317,020	284,640	254,180	225,900	199,600	175,740	153,840	116,100	85,560	—
AC*0400M^ABV	4NES-20Y	369,400	333,280	299,020	267,020	237,240	209,900	184,660	141,140	105,660	76,780
AC*0440M^ABV	4JE-22Y	407,900	369,240	332,420	297,720	265,360	235,540	207,680	159,280	119,300	86,180
AC*0500M^ABV	4HE-25Y	474,460	430,840	388,920	349,500	312,620	278,340	246,560	190,740	144,420	105,880
AC*0600M^ABV	4GE-30Y	553,920	501,960	452,540	406,120	363,100	323,000	286,240	221,680	168,280	123,880
AC*0660M^ABV	6JE-33Y	618,400	557,980	501,020	447,520	398,020	351,940	309,960	236,680	176,620	127,240
AC*0700M^ABV	6HE-35Y	709,360	642,880	579,540	519,920	464,240	412,900	365,220	282,020	213,240	156,040
AC*0800M^ABV	6GE-40Y	801,900	727,340	656,620	590,200	527,980	470,220	417,240	323,900	246,340	181,600
AC*0110M^ABV	6FE-50Y	930,220	847,160	767,500	692,080	621,520	555,660	494,180	385,680	294,680	217,940

R-455A		Capacity BTUH @ 100°F Ambient by SST									
Model	Compressor	40°F	35°F	30°F	25°F	20°F	15°F	10°F	0°F	-10°F	-20°F
AC*0300M^ABV	4PES-15Y	303,260	272,160	242,780	215,440	190,080	167,160	146,080	109,740	80,360	—
AC*0400M^ABV	4NES-20Y	353,720	319,020	286,040	255,160	226,420	200,060	175,880	133,900	99,780	72,080
AC*0440M^ABV	4JE-22Y	390,500	353,220	317,780	284,460	253,140	224,400	197,680	150,960	112,440	80,560
AC*0500M^ABV	4HE-25Y	453,940	411,840	371,940	333,980	298,360	265,560	234,680	181,080	136,560	99,520
AC*0600M^ABV	4GE-30Y	530,040	479,880	432,600	388,000	346,580	307,960	272,700	210,660	159,380	116,720
AC*0660M^ABV	6JE-33Y	593,080	535,120	479,880	428,260	380,340	335,780	295,240	224,460	166,480	118,820
AC*0700M^ABV	6HE-35Y	679,400	615,760	554,540	497,220	443,500	393,860	348,240	268,140	201,700	146,680
AC*0800M^ABV	6GE-40Y	767,500	696,000	628,000	563,920	504,420	448,620	397,660	307,840	233,280	170,940
AC*0110M^ABV	6FE-50Y	889,720	810,320	733,300	661,900	594,180	530,620	472,340	367,940	280,560	206,720

Notes:

HEAD FAN REQUIRED

Liquid Injection via CIC is Required

* D = Dual Circuit (Standard), P = Parallel Piped

^ C = 208-230/3/60, D = 460/3/60, K=230/3/60

For 50 cycle capacity, multiply values by .86

A2L PERFORMANCE DATA – R-455A

Medium Temperature Models - Dual Bitzer Semi-Hermetic Compressors

Please consult AWEF table on page 70 to confirm DOE compliance per model

R-455A		Capacity BTUH @ 110°F Ambient by SST									
Model	Compressor	40°F	35°F	30°F	25°F	20°F	15°F	10°F	0°F	-10°F	-20°F
AC*0300M^ABV	4PES-15Y	276,000	247,120	220,020	194,620	171,260	149,900	130,440	96,820	69,780	—
AC*0400M^ABV	4NES-20Y	—	—	259,720	231,280	204,660	180,280	157,880	119,140	87,640	62,140
AC*0440M^ABV	4JE-22Y	—	—	—	257,560	228,760	201,920	177,120	133,940	98,220	68,780
AC*0500M^ABV	4HE-25Y	—	—	—	302,380	269,540	238,920	210,860	161,380	120,280	86,120
AC*0600M^ABV	4GE-30Y	—	435,900	392,220	351,260	312,860	277,520	244,920	187,960	140,720	101,620
AC*0660M^ABV	6JE-33Y	—	—	437,440	389,480	344,520	303,240	265,460	199,500	145,500	101,280
AC*0700M^ABV	6HE-35Y	—	—	504,620	451,500	401,520	355,820	313,340	239,180	177,720	126,700
AC*0800M^ABV	6GE-40Y	—	—	569,620	510,860	455,460	404,680	357,420	274,780	205,920	148,340
AC*0110M^ABV	6FE-50Y	—	—	666,900	601,040	538,940	480,780	427,260	331,280	250,860	182,460

Notes:

HEAD FAN REQUIRED

Liquid Injection via CIC is Required

* D = Dual Circuit (Standard), P = Parallel Piped

^ C = 208-230/3/60, D = 460/3/60, K=230/3/60

For 50 cycle capacity, multiply values by .86

A1 PERFORMANCE DATA – R-404A/R-507A

Low Temperature - Dual Bitzer Compressor Models

Please consult AWEF table on page 71 to confirm DOE compliance per model

R-404A/R-507A		Capacity BTUH @ 90°F Ambient by SST								
Model	Compressor	0°F	-5°F	-10°F	-15°F	-20°F	-25°F	-30°F	-35°F	-40°F
ACD0260L^ABX	4JE-15Y	223,400	199,100	176,480	155,640	136,160	118,200	101,660	86,320	72,220
ACD0300L^ABX	4HE-18Y	261,700	233,860	208,040	184,060	161,640	140,920	121,840	104,040	87,680
ACD0400L^ABX	4GE-23Y	300,160	270,080	241,200	214,280	189,100	165,900	144,220	124,120	105,400
ACD0440L^ABX	6JE-25Y	313,680	280,660	250,480	222,020	195,000	170,240	147,220	125,840	105,860
ACD0500L^ABX	6HE-28Y	362,980	326,540	292,520	260,420	229,620	200,920	174,620	149,880	126,860
ACD0600L^ABX	6GE-34Y	412,580	375,600	339,400	305,180	272,400	241,360	211,980	183,900	157,920
ACD0800L^ABX	6FE-44Y	526,880	475,680	427,360	380,460	336,320	295,000	256,860	220,920	187,340

R-404A/R-507A		Capacity BTUH @ 95°F Ambient by SST								
Model	Compressor	0°F	-5°F	-10°F	-15°F	-20°F	-25°F	-30°F	-35°F	-40°F
ACD0260L^ABX	4JE-15Y	212,360	189,260	167,820	147,640	128,960	111,600	95,760	81,120	67,600
ACD0300L^ABX	4HE-18Y	249,080	222,700	197,840	174,920	153,480	133,620	115,340	98,260	82,580
ACD0400L^ABX	4GE-23Y	285,640	257,100	229,640	203,960	180,120	157,760	137,060	117,820	99,920
ACD0440L^ABX	6JE-25Y	297,880	266,500	237,620	210,100	184,440	160,800	138,740	118,100	99,080
ACD0500L^ABX	6HE-28Y	344,460	309,900	277,600	246,980	217,840	190,120	165,000	141,300	119,100
ACD0600L^ABX	6GE-34Y	391,080	356,380	322,240	289,940	258,880	229,360	201,140	174,500	149,640
ACD0800L^ABX	6FE-44Y	500,940	452,520	406,660	361,700	319,740	280,480	243,640	209,040	176,660

R-404A/R-507A		Capacity BTUH @ 100°F Ambient by SST								
Model	Compressor	0°F	-5°F	-10°F	-15°F	-20°F	-25°F	-30°F	-35°F	-40°F
ACD0260L^ABX	4JE-15Y	201,680	179,380	158,940	139,660	121,780	105,220	89,960	75,940	63,000
ACD0300L^ABX	4HE-18Y	236,320	211,120	187,580	165,760	145,300	126,320	108,720	92,520	77,520
ACD0400L^ABX	4GE-23Y	271,020	243,960	218,260	193,560	170,920	149,580	129,900	111,540	94,480
ACD0440L^ABX	6JE-25Y	281,740	252,220	225,080	198,720	174,180	151,380	130,280	110,520	92,340
ACD0500L^ABX	6HE-28Y	325,760	293,100	262,560	233,440	205,440	179,580	155,360	132,700	111,440
ACD0600L^ABX	6GE-34Y	369,120	336,840	304,780	274,420	245,580	216,880	190,340	165,180	141,240
ACD0800L^ABX	6FE-44Y	474,700	429,060	385,560	342,780	302,960	265,520	230,260	197,040	165,660

R-404A/R-507A		Capacity BTUH @ 110°F Ambient by SST								
Model	Compressor	0°F	-5°F	-10°F	-15°F	-20°F	-25°F	-30°F	-35°F	-40°F
ACD0260L^ABX	4JE-15Y	179,500	159,860	141,200	123,740	107,440	92,300	78,500	65,740	53,940
ACD0300L^ABX	4HE-18Y	210,780	188,080	167,300	147,440	128,960	111,640	95,820	81,140	67,540
ACD0400L^ABX	4GE-23Y	241,800	217,620	194,360	172,880	152,400	133,340	115,640	99,120	83,640
ACD0440L^ABX	6JE-25Y	249,280	223,540	198,660	175,220	153,360	132,720	113,380	95,580	79,080
ACD0500L^ABX	6HE-28Y	287,300	259,300	232,700	206,360	181,400	158,000	136,120	115,400	96,240
ACD0600L^ABX	6GE-34Y	—	297,180	269,280	242,820	217,400	192,460	168,500	145,780	124,120
ACD0800L^ABX	6FE-44Y	421,280	381,280	342,080	304,820	269,280	235,240	203,180	172,660	143,920

Notes:

HEAD FAN REQUIRED FOR ALL OPERATING CONDITIONS

^ C = 208-230/3/60, D = 460/3/60, E = 575/3/60

A1 PERFORMANCE DATA – R-448A/R-449A

Low Temperature - Dual Bitzer Compressor Models

Please consult AWEF table on page 71 to confirm DOE compliance per model

R-448A/R-449A		Capacity BTUH @ 90°F Ambient by SST								
Model	Compressor	0°F	-5°F	-10°F	-15°F	-20°F	-25°F	-30°F	-35°F	-40°F
ACD0260L [^] ABX	4JE-15Y	201,660	176,960	154,640	134,040	115,240	98,100	82,420	68,060	54,860
ACD0300L [^] ABX	4HE-18Y	236,920	208,860	182,940	159,280	137,520	117,640	99,540	82,780	67,380
ACD0400L [^] ABX	4GE-23Y	274,820	242,840	213,820	186,840	162,240	139,600	118,920	99,820	82,100
ACD0440L [^] ABX	6JE-25Y	287,540	253,520	222,320	193,140	166,660	142,420	120,320	99,840	81,040
ACD0500L [^] ABX	6HE-28Y	335,200	296,560	260,880	227,460	196,900	169,020	143,380	119,720	97,720
ACD0600L [^] ABX	6GE-34Y	391,140	349,520	310,380	273,720	239,300	207,360	177,920	150,760	125,300
ACD0800L [^] ABX	6FE-44Y	486,680	431,880	380,560	332,820	288,820	248,540	211,420	176,980	145,040

R-448A/R-449A		Capacity BTUH @ 95°F Ambient by SST								
Model	Compressor	0°F	-5°F	-10°F	-15°F	-20°F	-25°F	-30°F	-35°F	-40°F
ACD0260L [^] ABX	4JE-15Y	192,880	169,100	147,520	127,620	109,420	92,760	77,700	63,840	51,100
ACD0300L [^] ABX	4HE-18Y	227,140	199,900	174,860	152,040	131,040	111,860	94,320	78,220	63,360
ACD0400L [^] ABX	4GE-23Y	263,580	232,880	204,860	178,880	155,160	133,380	113,440	95,040	77,960
ACD0440L [^] ABX	6JE-25Y	274,980	242,100	211,860	183,620	158,120	134,720	113,260	93,620	75,520
ACD0500L [^] ABX	6HE-28Y	320,960	283,240	249,000	216,700	187,220	160,360	135,620	112,780	91,520
ACD0600L [^] ABX	6GE-34Y	374,680	334,580	297,120	262,080	228,900	198,080	169,820	143,420	—
ACD0800L [^] ABX	6FE-44Y	466,820	414,060	364,240	318,440	275,840	236,880	200,860	167,400	136,140

R-448A/R-449A		Capacity BTUH @ 100°F Ambient by SST								
Model	Compressor	0°F	-5°F	-10°F	-15°F	-20°F	-25°F	-30°F	-35°F	-40°F
ACD0260L [^] ABX	4JE-15Y	184,200	161,200	140,400	121,180	103,620	87,520	72,980	59,620	47,360
ACD0300L [^] ABX	4HE-18Y	217,180	190,920	166,980	144,840	124,580	106,100	89,180	73,680	—
ACD0400L [^] ABX	4GE-23Y	252,320	223,100	195,880	170,900	148,140	127,160	108,000	90,300	—
ACD0440L [^] ABX	6JE-25Y	262,460	230,720	201,220	174,160	149,620	127,040	106,360	87,440	—
ACD0500L [^] ABX	6HE-28Y	305,820	270,100	237,100	206,260	177,540	151,660	127,820	105,800	—
ACD0600L [^] ABX	6GE-34Y	357,920	319,860	283,920	250,260	218,120	188,660	161,460	135,940	—
ACD0800L [^] ABX	6FE-44Y	446,860	396,100	348,240	303,900	262,760	225,100	190,180	157,700	—

R-448A/R-449A		Capacity BTUH @ 110°F Ambient by SST								
Model	Compressor	0°F	-5°F	-10°F	-15°F	-20°F	-25°F	-30°F	-35°F	-40°F
ACD0260L [^] ABX	4JE-15Y	166,920	145,780	126,280	108,400	91,980	77,140	63,620	51,320	—
ACD0300L [^] ABX	4HE-18Y	197,440	173,100	150,980	130,500	111,760	94,660	79,020	64,700	—
ACD0400L [^] ABX	4GE-23Y	229,920	203,060	178,040	155,220	134,160	114,900	97,180	80,980	—
ACD0440L [^] ABX	6JE-25Y	237,520	208,280	181,080	155,800	132,840	111,740	92,680	—	—
ACD0500L [^] ABX	6HE-28Y	276,720	244,220	213,280	184,560	158,420	134,300	112,220	—	—
ACD0600L [^] ABX	6GE-34Y	—	—	257,060	226,180	196,880	—	—	—	—
ACD0800L [^] ABX	6FE-44Y	407,300	359,940	316,000	274,560	236,640	201,280	168,620	—	—

Notes:

HEAD FAN REQUIRED FOR ALL OPERATING CONDITIONS

Head Fan & SH < 35F Required

[^] C = 208-230/3/60, D = 460/3/60, E = 575/3/60

A1 PERFORMANCE DATA – R-407A/R-407F

Low Temperature - Dual Bitzer Compressor Models

Please consult AWEF table on page 71 to confirm DOE compliance per model

R-407A/R-407F		Capacity BTUH @ 90°F Ambient by SST								
Model	Compressor	0°F	-5°F	-10°F	-15°F	-20°F	-25°F	-30°F	-35°F	-40°F
ACD0260L [^] ABX	4JE-15Y	196,120	171,160	148,360	127,040	107,340	89,120	72,400	56,880	42,460
ACD0300L [^] ABX	4HE-18Y	232,720	203,860	177,180	152,640	129,740	108,600	89,020	70,880	53,940
ACD0400L [^] ABX	4GE-23Y	273,280	240,540	210,520	182,300	156,360	132,220	109,860	88,980	69,380
ACD0440L [^] ABX	6JE-25Y	278,760	244,640	212,520	182,640	155,060	129,240	105,160	82,780	61,820
ACD0500L [^] ABX	6HE-28Y	331,440	292,000	255,300	220,420	187,740	157,840	129,900	103,620	79,080
ACD0600L [^] ABX	6GE-34Y	371,580	327,900	287,500	249,560	213,480	179,580	148,520	119,080	91,240
ACD0800L [^] ABX	6FE-44Y	472,820	416,680	363,420	314,140	268,640	226,220	186,980	150,320	115,820

R-407A/R-407F		Capacity BTUH @ 95°F Ambient by SST								
Model	Compressor	0°F	-5°F	-10°F	-15°F	-20°F	-25°F	-30°F	-35°F	-40°F
ACD0260L [^] ABX	4JE-15Y	186,700	162,840	140,680	120,160	101,220	83,700	67,700	52,840	39,080
ACD0300L [^] ABX	4HE-18Y	222,040	194,260	168,700	144,860	122,840	102,520	83,760	66,360	50,220
ACD0400L [^] ABX	4GE-23Y	261,520	230,020	200,940	173,800	148,860	125,620	104,160	84,160	65,400
ACD0440L [^] ABX	6JE-25Y	265,160	232,700	201,560	172,540	146,100	121,140	98,220	76,820	56,920
ACD0500L [^] ABX	6HE-28Y	315,920	277,980	242,520	208,880	177,820	148,960	122,160	96,980	73,520
ACD0600L [^] ABX	6GE-34Y	353,280	312,160	273,300	236,680	201,940	169,780	139,780	111,620	85,020
ACD0800L [^] ABX	6FE-44Y	451,600	397,460	346,060	298,740	254,920	214,220	176,580	141,440	108,520

R-407A/R-407F		Capacity BTUH @ 100°F Ambient by SST								
Model	Compressor	0°F	-5°F	-10°F	-15°F	-20°F	-25°F	-30°F	-35°F	-40°F
ACD0260L [^] ABX	4JE-15Y	177,380	154,400	133,100	113,340	95,160	78,360	63,040	48,900	35,760
ACD0300L [^] ABX	4HE-18Y	211,700	184,720	160,140	137,200	116,040	96,560	78,560	61,940	46,540
ACD0400L [^] ABX	4GE-23Y	249,820	219,560	191,540	165,420	141,440	119,120	98,560	79,400	61,480
ACD0440L [^] ABX	6JE-25Y	251,720	220,360	190,780	162,920	137,280	113,360	91,400	70,980	52,040
ACD0500L [^] ABX	6HE-28Y	300,560	264,000	229,980	197,660	167,900	140,180	114,540	90,480	68,100
ACD0600L [^] ABX	6GE-34Y	336,080	296,640	259,320	224,080	190,740	159,960	131,260	104,180	78,920
ACD0800L [^] ABX	6FE-44Y	430,580	378,300	329,520	283,520	241,460	202,360	166,320	132,600	101,380

R-407A/R-407F		Capacity BTUH @ 110°F Ambient by SST								
Model	Compressor	0°F	-5°F	-10°F	-15°F	-20°F	-25°F	-30°F	-35°F	-40°F
ACD0260L [^] ABX	4JE-15Y	159,020	137,900	118,240	100,060	83,280	67,980	54,020	41,220	29,340
ACD0300L [^] ABX	4HE-18Y	190,760	165,960	143,360	122,220	102,780	84,840	68,480	53,360	39,440
ACD0400L [^] ABX	4GE-23Y	226,880	199,180	173,100	149,180	127,000	106,520	87,700	70,240	53,940
ACD0440L [^] ABX	6JE-25Y	225,380	196,000	168,820	143,680	120,160	98,240	78,260	59,820	42,660
ACD0500L [^] ABX	6HE-28Y	270,520	236,900	205,560	175,820	148,620	123,240	99,820	77,920	57,680
ACD0600L [^] ABX	6GE-34Y	—	266,320	232,460	199,520	169,280	140,980	114,780	90,140	67,260
ACD0800L [^] ABX	6FE-44Y	389,840	340,640	295,920	254,160	215,320	179,480	146,540	115,840	87,440

Notes:

HEAD FAN REQUIRED FOR ALL OPERATING CONDITIONS

Liquid Injection is Required

[^] C = 208-230/3/60, D = 460/3/60, E = 575/3/60

A1 PERFORMANCE DATA – R-407C

Low Temperature - Dual Bitzer Compressor Models

Please consult AWEF table on page 71 to confirm DOE compliance per model

R-407C		Capacity BTUH @ 90°F Ambient by SST								
Model	Compressor	0°F	-5°F	-10°F	-15°F	-20°F	-25°F	-30°F	-35°F	-40°F
ACD0260L^ABX	4JE-15Y	170,300	147,240	125,960	—	—	—	—	—	—
ACD0300L^ABX	4HE-18Y	202,980	176,280	151,660	—	—	—	—	—	—
ACD0400L^ABX	4GE-23Y	232,640	202,120	174,320	—	—	—	—	—	—
ACD0440L^ABX	6JE-25Y	243,960	211,960	181,560	—	—	—	—	—	—
ACD0500L^ABX	6HE-28Y	291,400	253,680	218,580	—	—	—	—	—	—
ACD0600L^ABX	6GE-34Y	329,860	287,420	248,540	—	—	—	—	—	—
ACD0800L^ABX	6FE-44Y	419,240	364,940	315,300	—	—	—	—	—	—

R-407C		Capacity BTUH @ 95°F Ambient by SST								
Model	Compressor	0°F	-5°F	-10°F	-15°F	-20°F	-25°F	-30°F	-35°F	-40°F
ACD0260L^ABX	4JE-15Y	162,380	140,080	119,440	—	—	—	—	—	—
ACD0300L^ABX	4HE-18Y	194,020	168,200	144,180	—	—	—	—	—	—
ACD0400L^ABX	4GE-23Y	222,420	192,840	165,960	—	—	—	—	—	—
ACD0440L^ABX	6JE-25Y	232,380	201,320	172,200	—	—	—	—	—	—
ACD0500L^ABX	6HE-28Y	277,900	241,600	207,860	—	—	—	—	—	—
ACD0600L^ABX	6GE-34Y	315,000	273,700	236,280	—	—	—	—	—	—
ACD0800L^ABX	6FE-44Y	401,160	348,820	300,500	—	—	—	—	—	—

R-407C		Capacity BTUH @ 100°F Ambient by SST								
Model	Compressor	0°F	-5°F	-10°F	-15°F	-20°F	-25°F	-30°F	-35°F	-40°F
ACD0260L^ABX	4JE-15Y	154,520	132,760	112,940	—	—	—	—	—	—
ACD0300L^ABX	4HE-18Y	185,280	160,120	136,840	—	—	—	—	—	—
ACD0400L^ABX	4GE-23Y	212,520	183,860	157,640	—	—	—	—	—	—
ACD0440L^ABX	6JE-25Y	220,880	190,500	162,760	—	—	—	—	—	—
ACD0500L^ABX	6HE-28Y	264,820	229,700	197,060	—	—	—	—	—	—
ACD0600L^ABX	6GE-34Y	299,720	260,260	224,100	—	—	—	—	—	—
ACD0800L^ABX	6FE-44Y	383,100	332,660	285,760	—	—	—	—	—	—

R-407C		Capacity BTUH @ 110°F Ambient by SST								
Model	Compressor	0°F	-5°F	-10°F	-15°F	-20°F	-25°F	-30°F	-35°F	-40°F
ACD0260L^ABX	4JE-15Y	138,900	118,580	100,120	—	—	—	—	—	—
ACD0300L^ABX	4HE-18Y	167,560	144,080	—	—	—	—	—	—	—
ACD0400L^ABX	4GE-23Y	—	—	—	—	—	—	—	—	—
ACD0440L^ABX	6JE-25Y	—	—	—	—	—	—	—	—	—
ACD0500L^ABX	6HE-28Y	—	—	—	—	—	—	—	—	—
ACD0600L^ABX	6GE-34Y	—	—	—	—	—	—	—	—	—
ACD0800L^ABX	6FE-44Y	—	—	—	—	—	—	—	—	—

Notes:

HEAD FAN REQUIRED FOR ALL OPERATING CONDITIONS

^ C = 208-230/3/60, D = 460/3/60, E = 575/3/60

A1 PERFORMANCE DATA – R-404A/R-507A

Medium Temperature - Dual Bitzer Compressor Models

Please consult AWEF table on page 71 to confirm DOE compliance per model

R-404A/R-507A		Capacity BTUH @ 90°F Ambient by SST								
Model	Compressor	40°F	35°F	30°F	25°F	20°F	15°F	10°F	0°F	-10°F
ACD0300M^ABX	4PES-15Y	378,720	347,040	316,000	286,820	259,160	232,760	207,700	163,700	126,360
ACD0400M^ABX	4NES-20Y	431,960	397,900	364,700	332,080	301,500	272,500	244,980	194,900	152,640
ACD0440M^ABX	4JE-22Y	469,660	435,940	401,080	366,920	333,860	302,900	273,680	218,940	171,940
ACD0500M^ABX	4HE-25Y	534,960	497,820	461,640	424,120	388,000	352,500	319,580	258,300	204,580
ACD0600M^ABX	4GE-30Y	652,300	602,780	554,580	507,220	462,220	420,300	379,240	305,300	241,640
ACD0660M^ABX	6JE-33Y	717,600	661,880	607,460	553,520	503,260	455,020	409,740	326,480	255,620
ACD0700M^ABX	6HE-35Y	804,520	748,680	691,140	633,440	577,960	525,940	475,940	384,060	303,580
ACD0800M^ABX	6GE-40Y	936,200	867,760	800,540	733,740	670,800	610,460	552,840	446,020	353,780
ACD1100M^ABX	6FE-50Y	1,087,860	1,014,160	943,300	870,520	797,840	729,640	663,120	539,460	429,620

R-404A/R-507A		Capacity BTUH @ 95°F Ambient by SST								
Model	Compressor	40°F	35°F	30°F	25°F	20°F	15°F	10°F	0°F	-10°F
ACD0300M^ABX	4PES-15Y	360,060	329,400	300,560	272,720	246,140	220,860	197,380	155,080	119,220
ACD0400M^ABX	4NES-20Y	409,340	378,400	346,960	316,540	286,940	259,120	232,820	185,400	144,740
ACD0440M^ABX	4JE-22Y	445,960	413,180	380,240	348,960	317,560	288,140	260,200	207,860	162,860
ACD0500M^ABX	4HE-25Y	507,080	472,280	438,140	403,040	368,120	335,300	303,980	245,760	194,480
ACD0600M^ABX	4GE-30Y	619,920	573,360	527,820	483,580	440,320	400,300	361,220	291,000	229,860
ACD0660M^ABX	6JE-33Y	683,060	630,320	578,440	527,400	479,480	434,020	389,600	310,540	242,140
ACD0700M^ABX	6HE-35Y	763,520	711,420	655,860	602,520	549,960	500,640	453,680	365,120	288,420
ACD0800M^ABX	6GE-40Y	889,000	824,940	761,080	698,220	638,680	582,060	526,700	424,760	336,660
ACD1100M^ABX	6FE-50Y	1,033,020	964,600	895,100	826,760	758,200	693,620	631,200	514,040	408,840

R-404A/R-507A		Capacity BTUH @ 100°F Ambient by SST								
Model	Compressor	40°F	35°F	30°F	25°F	20°F	15°F	10°F	0°F	-10°F
ACD0300M^ABX	4PES-15Y	341,300	312,380	285,020	258,380	233,240	209,200	186,900	146,500	112,220
ACD0400M^ABX	4NES-20Y	388,940	358,720	329,060	299,700	272,240	246,160	221,060	175,680	136,900
ACD0440M^ABX	4JE-22Y	421,860	391,320	361,060	330,820	301,100	273,240	246,580	196,720	153,800
ACD0500M^ABX	4HE-25Y	479,020	446,280	414,660	381,940	349,240	317,820	288,180	233,200	184,120
ACD0600M^ABX	4GE-30Y	587,360	543,620	500,720	457,800	418,080	380,060	343,160	276,300	218,020
ACD0660M^ABX	6JE-33Y	648,100	598,420	549,220	500,900	454,960	412,080	369,860	294,180	228,660
ACD0700M^ABX	6HE-35Y	722,180	670,780	621,320	571,160	521,600	475,020	430,500	346,260	273,120
ACD0800M^ABX	6GE-40Y	841,660	780,900	721,280	662,180	605,940	552,660	499,260	403,260	319,380
ACD1100M^ABX	6FE-50Y	970,780	908,080	846,420	782,360	717,700	657,400	598,660	487,820	388,180

Notes:

HEAD FAN REQUIRED

^ C = 208-230/3/60, D = 460/3/60, E = 575/3/60

A1 PERFORMANCE DATA – R-404A/R-507A

Medium Temperature - Dual Bitzer Compressor Models

Please consult AWEF table on page 71 to confirm DOE compliance per model

R-404A/R-507A		Capacity BTUH @ 110°F Ambient by SST								
Model	Compressor	40°F	35°F	30°F	25°F	20°F	15°F	10°F	0°F	-10°F
ACD0300M^ABX	4PES-15Y	303,620	277,960	253,820	229,960	207,380	186,220	165,960	129,480	98,440
ACD0400M^ABX	4NES-20Y	345,580	319,060	292,880	267,040	243,040	219,160	196,780	156,320	121,280
ACD0440M^ABX	4JE-22Y	—	348,080	320,820	293,480	267,940	243,520	219,340	174,780	135,700
ACD0500M^ABX	4HE-25Y	—	—	367,560	338,260	309,340	282,520	256,760	206,940	163,360
ACD0600M^ABX	4GE-30Y	521,660	483,280	445,200	408,080	373,320	339,280	306,100	246,600	194,180
ACD0660M^ABX	6JE-33Y	577,220	533,340	490,120	446,540	406,380	367,180	329,800	261,500	201,860
ACD0700M^ABX	6HE-35Y	—	596,380	551,620	507,800	464,220	423,060	383,400	308,080	242,400
ACD0800M^ABX	6GE-40Y	745,160	692,840	640,980	588,860	539,560	491,880	445,360	360,000	284,300
ACD1100M^ABX	6FE-50Y	—	—	747,540	692,040	636,280	583,880	533,160	433,780	345,480

Notes:

HEAD FAN REQUIRED

^ C = 208-230/3/60, D = 460/3/60, E = 575/3/60

A1 PERFORMANCE DATA – R-448A/R-449A

Medium Temperature - Dual Bitzer Compressor Models

Please consult AWEF table on page 71 to confirm DOE compliance per model

R-448A/R-449A		Capacity BTUH @ 90°F Ambient by SST								
Model	Compressor	40°F	35°F	30°F	25°F	20°F	15°F	10°F	0°F	-10°F
ACD0300M [^] ABX	4PES-15Y	371,900	335,960	301,900	270,200	240,260	212,940	187,960	144,340	108,560
ACD0400M [^] ABX	4NES-20Y	430,780	390,380	352,540	316,820	283,420	252,640	223,980	173,900	132,700
ACD0440M [^] ABX	4JE-22Y	472,960	430,120	390,000	351,820	315,820	282,620	251,040	195,520	149,420
ACD0500M [^] ABX	4HE-25Y	545,040	498,340	452,580	409,900	369,380	331,440	296,180	232,460	179,260
ACD0600M [^] ABX	4GE-30Y	648,560	591,300	536,440	484,540	436,080	390,500	348,340	273,460	210,980
ACD0660M [^] ABX	6JE-33Y	714,580	649,360	587,000	528,100	473,360	421,820	374,140	290,700	221,400
ACD0700M [^] ABX	6HE-35Y	814,520	742,700	674,920	610,260	549,200	492,120	438,920	344,200	265,200
ACD0800M [^] ABX	6GE-40Y	936,720	856,120	778,320	704,360	635,100	569,540	508,300	400,140	309,520
ACD1100M [^] ABX	6FE-50Y	1,111,360	1,019,480	929,340	844,100	763,120	686,920	615,600	486,880	376,840

R-448A/R-449A		Capacity BTUH @ 95°F Ambient by SST								
Model	Compressor	40°F	35°F	30°F	25°F	20°F	15°F	10°F	0°F	-10°F
ACD0300M [^] ABX	4PES-15Y	356,900	322,280	289,400	258,740	229,760	203,480	179,380	137,240	102,800
ACD0400M [^] ABX	4NES-20Y	413,880	374,960	338,520	304,060	272,100	242,080	214,540	166,120	126,360
ACD0440M [^] ABX	4JE-22Y	454,260	413,000	374,320	337,520	302,600	270,560	240,200	186,520	141,980
ACD0500M [^] ABX	4HE-25Y	523,080	478,300	434,320	393,260	354,300	317,780	283,800	222,320	170,980
ACD0600M [^] ABX	4GE-30Y	622,900	567,940	515,240	465,300	418,660	374,360	333,860	261,920	201,700
ACD0660M [^] ABX	6JE-33Y	687,260	624,500	564,320	507,340	454,360	404,440	358,420	277,300	210,300
ACD0700M [^] ABX	6HE-35Y	782,480	713,460	648,340	586,120	526,860	472,500	420,820	329,300	252,980
ACD0800M [^] ABX	6GE-40Y	899,560	822,240	747,600	676,520	609,800	546,680	487,880	383,440	295,940
ACD1100M [^] ABX	6FE-50Y	1,065,040	977,460	891,200	809,980	732,380	659,180	590,600	466,220	360,740

R-448A/R-449A		Capacity BTUH @ 100°F Ambient by SST								
Model	Compressor	40°F	35°F	30°F	25°F	20°F	15°F	10°F	0°F	-10°F
ACD0300M [^] ABX	4PES-15Y	341,980	308,600	276,920	247,360	219,760	194,060	170,880	130,240	97,100
ACD0400M [^] ABX	4NES-20Y	397,020	359,540	324,460	291,320	260,520	231,560	204,800	158,300	120,100
ACD0440M [^] ABX	4JE-22Y	435,500	396,580	358,640	322,960	289,600	258,660	229,200	177,700	134,540
ACD0500M [^] ABX	4HE-25Y	501,020	458,200	415,960	376,660	339,180	304,040	271,140	212,120	162,660
ACD0600M [^] ABX	4GE-30Y	597,100	544,420	493,860	445,920	401,040	358,480	319,420	250,340	192,340
ACD0660M [^] ABX	6JE-33Y	661,160	599,580	541,580	486,540	435,340	387,040	342,300	264,020	199,220
ACD0700M [^] ABX	6HE-35Y	750,380	684,060	621,660	561,520	505,000	452,480	402,700	314,360	240,700
ACD0800M [^] ABX	6GE-40Y	862,220	788,100	716,600	648,380	584,440	523,720	467,280	366,460	282,140
ACD1100M [^] ABX	6FE-50Y	1,019,380	935,800	853,340	775,680	701,360	632,040	565,420	445,780	344,140

Notes:

HEAD FAN REQUIRED

[^] C = 208-230/3/60, D = 460/3/60, E = 575/3/60

A1 PERFORMANCE DATA – R-448A/R-449A

Medium Temperature - Dual Bitzer Compressor Models

Please consult AWEF table on page 71 to confirm DOE compliance per model

R-448A/R-449A		Capacity BTUH @ 110°F Ambient by SST								
Model	Compressor	40°F	35°F	30°F	25°F	20°F	15°F	10°F	0°F	-10°F
ACD0300M [^] ABX	4PES-15Y	312,300	281,560	252,580	224,720	199,000	175,640	154,000	116,500	85,880
ACD0400M [^] ABX	4NES-20Y	—	—	296,700	266,120	237,620	210,640	185,980	143,080	107,660
ACD0440M [^] ABX	4JE-22Y	—	—	—	294,480	263,600	234,880	207,880	159,800	119,720
ACD0500M [^] ABX	4HE-25Y	—	—	—	—	308,620	276,380	246,200	191,680	146,040
ACD0600M [^] ABX	4GE-30Y	—	—	451,100	407,460	365,660	326,980	290,620	227,040	173,580
ACD0660M [^] ABX	6JE-33Y	—	—	495,880	444,880	396,640	351,960	310,380	237,580	177,180
ACD0700M [^] ABX	6HE-35Y	—	—	—	—	460,880	412,380	365,920	284,320	216,000
ACD0800M [^] ABX	6GE-40Y	—	—	654,420	591,960	533,260	476,900	425,040	332,360	254,140
ACD1100M [^] ABX	6FE-50Y	—	—	—	—	638,740	575,440	514,320	404,200	310,220

Notes:

HEAD FAN REQUIRED

[^] C = 208-230/3/60, D = 460/3/60, E = 575/3/60

A1 PERFORMANCE DATA – R-407A/R-407F

Medium Temperature - Dual Bitzer Compressor Models

Please consult AWEF table on page 71 to confirm DOE compliance per model

R-407A/R-407F		Capacity BTUH @ 90°F Ambient by SST								
Model	Compressor	40°F	35°F	30°F	25°F	20°F	15°F	10°F	0°F	-10°F
ACD0300M [^] ABX	4PES-15Y	375,440	340,840	307,720	276,800	246,960	219,920	194,560	150,220	113,040
ACD0400M [^] ABX	4NES-20Y	428,960	390,120	353,720	319,100	286,460	256,140	227,380	176,940	134,460
ACD0440M [^] ABX	4JE-22Y	467,400	426,360	386,280	348,780	313,360	280,480	248,980	192,740	145,300
ACD0500M [^] ABX	4HE-25Y	531,420	485,540	441,120	398,180	358,000	320,360	285,200	220,960	166,600
ACD0600M [^] ABX	4GE-30Y	651,320	594,020	538,860	486,320	437,420	391,000	347,680	270,880	205,660
ACD0660M [^] ABX	6JE-33Y	711,840	647,500	587,220	529,700	475,160	424,660	376,860	291,560	219,260
ACD0700M [^] ABX	6HE-35Y	820,600	750,480	681,600	616,680	555,480	497,800	443,860	345,720	262,560
ACD0800M [^] ABX	6GE-40Y	965,980	880,880	800,560	723,900	651,200	583,540	518,740	404,360	307,320
ACD1100M [^] ABX	6FE-50Y	1,122,260	1,026,220	933,180	845,780	762,480	683,980	610,460	476,360	362,460

R-407A/R-407F		Capacity BTUH @ 95°F Ambient by SST								
Model	Compressor	40°F	35°F	30°F	25°F	20°F	15°F	10°F	0°F	-10°F
ACD0300M [^] ABX	4PES-15Y	359,740	326,440	294,580	264,740	236,140	209,900	185,680	142,740	106,820
ACD0400M [^] ABX	4NES-20Y	411,080	373,720	338,780	305,460	273,980	244,800	217,360	168,500	127,560
ACD0440M [^] ABX	4JE-22Y	447,600	408,180	369,620	333,540	299,400	267,620	237,080	183,280	137,360
ACD0500M [^] ABX	4HE-25Y	508,640	464,540	421,900	381,120	341,900	305,620	271,680	209,760	157,460
ACD0600M [^] ABX	4GE-30Y	625,160	569,960	516,900	466,300	419,060	373,880	332,440	258,360	195,440
ACD0660M [^] ABX	6JE-33Y	682,020	620,140	562,120	506,540	454,160	405,360	359,260	276,980	207,300
ACD0700M [^] ABX	6HE-35Y	786,300	718,980	653,960	590,420	531,520	475,940	423,900	329,240	249,160
ACD0800M [^] ABX	6GE-40Y	926,620	844,900	767,700	693,820	623,820	558,320	496,220	385,920	292,000
ACD1100M [^] ABX	6FE-50Y	1,073,200	983,340	894,020	810,060	729,960	654,320	583,080	454,080	344,300

R-407A/R-407F		Capacity BTUH @ 100°F Ambient by SST								
Model	Compressor	40°F	35°F	30°F	25°F	20°F	15°F	10°F	0°F	-10°F
ACD0300M [^] ABX	4PES-15Y	343,980	312,040	281,400	252,680	225,360	199,880	176,640	135,300	100,720
ACD0400M [^] ABX	4NES-20Y	393,140	357,340	323,780	291,820	261,940	233,420	206,880	160,060	120,720
ACD0440M [^] ABX	4JE-22Y	427,860	390,020	352,900	318,320	285,440	254,840	225,640	173,660	129,480
ACD0500M [^] ABX	4HE-25Y	485,820	443,620	402,720	363,560	325,840	290,960	258,180	198,580	148,340
ACD0600M [^] ABX	4GE-30Y	598,880	545,920	494,760	446,280	400,720	357,420	317,240	245,860	185,280
ACD0660M [^] ABX	6JE-33Y	652,180	592,740	537,000	483,600	433,880	386,140	341,500	262,520	195,480
ACD0700M [^] ABX	6HE-35Y	751,960	687,560	625,220	564,300	507,580	454,780	403,840	312,900	235,880
ACD0800M [^] ABX	6GE-40Y	887,280	808,920	734,780	663,880	596,260	533,340	473,820	367,220	276,820
ACD1100M [^] ABX	6FE-50Y	—	940,540	854,960	774,440	697,500	624,340	556,100	431,720	326,220

Notes:

HEAD FAN REQUIRED

[^] C = 208-230/3/60, D = 460/3/60, E = 575/3/60

A1 PERFORMANCE DATA – R-407A/R-407F

Medium Temperature - Dual Bitzer Compressor Models

Please consult AWEF table on page 71 to confirm DOE compliance per model

R-407A/R-407F		Capacity BTUH @ 110°F Ambient by SST								
Model	Compressor	40°F	35°F	30°F	25°F	20°F	15°F	10°F	0°F	-10°F
ACD0300M^ABX	4PES-15Y	312,560	283,280	255,560	228,300	203,340	180,220	158,620	120,500	88,660
ACD0400M^ABX	4NES-20Y	—	—	293,920	264,580	237,060	210,640	186,360	143,360	107,020
ACD0440M^ABX	4JE-22Y	—	—	—	288,160	257,860	229,560	202,580	154,740	113,900
ACD0500M^ABX	4HE-25Y	—	—	—	—	294,060	262,360	231,440	177,000	130,520
ACD0600M^ABX	4GE-30Y	—	—	451,020	406,980	364,280	324,740	287,120	221,280	165,300
ACD0660M^ABX	6JE-33Y	—	—	487,200	438,060	392,060	348,000	306,800	233,980	172,200
ACD0700M^ABX	6HE-35Y	—	—	—	-	460,200	411,520	364,260	280,620	209,640
ACD0800M^ABX	6GE-40Y	—	—	—	604,140	542,540	483,200	428,520	330,400	246,920
ACD1100M^ABX	6FE-50Y	—	—	—	—	632,940	565,760	502,760	388,040	290,760

Notes:

HEAD FAN REQUIRED

^ C = 208-230/3/60, D = 460/3/60, E = 575/3/60

Liquid Injection is Required

A1 PERFORMANCE DATA – R-407C

Medium Temperature - Dual Bitzer Compressor Models

Please consult AWEF table on page 71 to confirm DOE compliance per model

R-407C		Capacity BTUH @ 90°F Ambient by SST								
Model	Compressor	40°F	35°F	30°F	25°F	20°F	15°F	10°F	0°F	-10°F
ACD0300M^ABX	4PES-15Y	338,920	305,680	274,860	246,200	219,140	194,560	171,560	131,260	96,740
ACD0400M^ABX	4NES-20Y	389,200	352,640	317,500	285,180	255,000	226,980	200,980	154,960	115,540
ACD0440M^ABX	4JE-22Y	431,420	390,660	351,860	314,920	280,900	249,300	219,940	167,260	122,220
ACD0500M^ABX	4HE-25Y	502,380	456,200	412,040	369,900	330,900	294,660	260,920	199,940	147,300
ACD0600M^ABX	4GE-30Y	611,720	555,120	501,200	450,860	403,180	359,120	318,000	245,420	182,980
ACD0660M^ABX	6JE-33Y	636,560	576,640	519,760	466,300	416,620	370,420	327,400	251,860	187,060
ACD0700M^ABX	6HE-35Y	740,600	671,820	607,460	546,720	490,360	437,180	387,680	300,060	225,260
ACD0800M^ABX	6GE-40Y	884,460	803,900	727,160	655,600	587,660	524,480	466,580	363,220	275,020
ACD1100M^ABX	6FE-50Y	1,022,700	928,880	840,360	757,080	678,860	606,600	538,240	417,760	314,480

R-407C		Capacity BTUH @ 95°F Ambient by SST								
Model	Compressor	40°F	35°F	30°F	25°F	20°F	15°F	10°F	0°F	-10°F
ACD0300M^ABX	4PES-15Y	324,920	293,380	263,600	235,880	209,720	186,080	163,860	124,960	91,740
ACD0400M^ABX	4NES-20Y	373,940	338,600	304,700	273,480	244,400	217,380	192,460	147,860	109,940
ACD0440M^ABX	4JE-22Y	414,500	375,200	337,660	301,940	269,340	238,660	209,900	159,120	115,560
ACD0500M^ABX	4HE-25Y	483,140	438,560	395,940	355,700	317,480	282,380	249,720	190,800	—
ACD0600M^ABX	4GE-30Y	589,820	535,120	483,020	434,340	388,140	345,600	305,620	235,200	174,720
ACD0660M^ABX	6JE-33Y	611,700	553,980	499,100	448,040	399,560	355,180	313,440	240,640	178,120
ACD0700M^ABX	6HE-35Y	712,040	645,760	583,740	525,200	470,860	419,360	371,980	287,620	215,400
ACD0800M^ABX	6GE-40Y	852,180	774,600	700,540	631,520	565,840	505,000	449,000	349,340	264,340
ACD1100M^ABX	6FE-50Y	983,240	892,720	807,940	727,720	652,380	582,640	516,940	400,560	301,120

R-407C		Capacity BTUH @ 100°F Ambient by SST								
Model	Compressor	40°F	35°F	30°F	25°F	20°F	15°F	10°F	0°F	-10°F
ACD0300M^ABX	4PES-15Y	311,980	281,060	252,320	225,580	200,520	177,560	156,100	118,680	86,780
ACD0400M^ABX	4NES-20Y	358,580	324,560	292,280	261,780	233,980	207,700	183,720	140,720	104,300
ACD0440M^ABX	4JE-22Y	397,760	359,700	323,540	288,920	257,180	227,840	200,020	151,040	108,960
ACD0500M^ABX	4HE-25Y	463,940	420,920	379,820	340,420	304,100	270,180	238,200	181,700	—
ACD0600M^ABX	4GE-30Y	567,760	515,040	464,720	417,640	372,980	331,680	293,240	225,080	166,340
ACD0660M^ABX	6JE-33Y	586,800	531,200	478,320	429,120	381,880	339,200	299,640	229,280	169,220
ACD0700M^ABX	6HE-35Y	683,500	619,600	559,940	503,220	450,980	401,640	356,240	274,940	205,500
ACD0800M^ABX	6GE-40Y	819,640	744,960	673,700	607,200	544,000	485,860	431,380	335,580	253,580
ACD1100M^ABX	6FE-50Y	944,320	857,060	775,560	698,300	626,500	558,600	495,040	383,280	287,720

Notes:

HEAD FAN REQUIRED

^ C = 208-230/3/60, D = 460/3/60, E = 575/3/60

A1 PERFORMANCE DATA – R-407C

Medium Temperature - Dual Bitzer Compressor Models

Please consult AWEF table on page 71 to confirm DOE compliance per model

R-407C		Capacity BTUH @ 110°F Ambient by SST								
Model	Compressor	40°F	35°F	30°F	25°F	20°F	15°F	10°F	0°F	-10°F
ACD0300M^ABX	4PES-15Y	284,560	256,340	229,880	204,600	181,660	160,180	140,480	106,040	76,680
ACD0400M^ABX	4NES-20Y	328,040	296,480	266,200	238,340	212,560	188,320	166,120	126,560	—
ACD0440M^ABX	4JE-22Y	—	328,880	295,260	263,300	234,160	206,340	180,900	135,200	95,820
ACD0500M^ABX	4HE-25Y	—	—	347,500	310,960	277,300	246,200	216,640	163,520	117,840
ACD0600M^ABX	4GE-30Y	523,900	475,040	428,240	384,260	342,740	304,240	268,660	204,960	149,980
ACD0660M^ABX	6JE-33Y	537,940	485,500	436,580	390,980	347,680	307,680	271,340	206,620	151,380
ACD0700M^ABX	6HE-35Y	—	566,700	511,840	459,960	411,700	366,020	323,900	249,480	185,520
ACD0800M^ABX	6GE-40Y	754,760	685,880	619,940	558,440	500,020	446,380	396,000	307,600	232,080
ACD1100M^ABX	6FE-50Y	—	—	710,280	639,060	572,840	510,140	451,880	349,080	261,020

Notes:

HEAD FAN REQUIRED

^ C = 208-230/3/60, D = 460/3/60, E = 575/3/60

A2L UNIT SPECIFICATIONS

Medium & Low Temperature Models - Dual Bitzer Semi-Hermetic Compressors

Please consult AWEF table on page 70 to confirm DOE compliance per model

Model	Compressor	Refrigerant Line Connections (OD)				Rec. Capacity @90% full (lbs)		Condenser Fan Data		Dimensions (In.)			Net Wt.
		Standard (2 Each)		Parallel Piped									
		Liquid	Suction	Liquid	Suction	Standard (2 Each)	Parallel Piped	No. Fans	Dia.	Length	Width	Height	(lbs.)
AC*0260L^ABV	4JE-15Y	1-1/8	2-1/8	1-3/8	3-1/8	123	269	4	30"	176.35	91.5	59.4	4,630
AC*0300L^ABV	4HE-18Y	1-1/8	2-1/8	1-3/8	3-1/8	123	269	4	30"	176.35	91.5	59.4	4,710
AC*0400L^ABV	4GE-23Y	1-1/8	2-1/8	1-3/8	3-1/8	123	269	4	30"	176.35	91.5	59.4	4,630
AC*0440L^ABV	6JE-25Y	1-1/8	2-1/8	1-3/8	3-1/8	123	269	4	30"	176.35	91.5	59.4	4,710
AC*0500L^ABV	6HE-28Y	1-1/8	2-1/8	1-3/8	3-1/8	123	269	4	30"	176.35	91.5	59.4	4,630
AC*0600L^ABV	6GE-34Y	1-1/8	2-1/8	1-3/8	3-1/8	123	269	4	30"	176.35	91.5	59.4	4,630
AC*0800L^ABV	6FE-44Y	1-1/8	2-1/8	1-5/8	3-1/8	188	363	6	30"	229.4	91.5	59.4	5,760
AC*0300M^ABV	4PES-15Y	1-1/8	1-5/8	1-3/8	2-5/8	123	269	4	30"	176.35	91.5	59.4	4,360
AC*0400M^ABV	4NES-20Y	1-1/8	2-1/8	1-3/8	2-5/8	123	269	4	30"	176.35	91.5	59.4	4,380
AC*0440M^ABV	4JE-22Y	1-1/8	2-1/8	1-3/8	2-5/8	123	269	4	30"	176.35	91.5	59.4	4,380
AC*0500M^ABV	4HE-25Y	1-1/8	2-1/8	1-3/8	2-5/8	123	269	4	30"	176.35	91.5	59.4	4,380
AC*0600M^ABV	4GE-30Y	1-1/8	2-1/8	1-5/8	3-1/8	188	363	6	30"	229.4	91.5	59.4	5,410
AC*0660M^ABV	6JE-33Y	1-1/8	2-1/8	1-5/8	3-1/8	188	363	6	30"	229.4	91.5	59.4	5,410
AC*0700M^ABV	6HE-35Y	1-1/8	2-1/8	1-5/8	3-1/8	188	363	6	30"	229.4	91.5	59.4	5,470
AC*0800M^ABV	6GE-40Y	1-1/8	2-1/8	1-5/8	3-1/8	188	363	8	30"	282.5	91.5	60.4	7,220
AC*0110M^ABV	6FE-50Y	1-1/8	2-1/8	1-5/8	3-1/8	188	363	8	30"	282.5	91.5	60.4	7,260

Notes:

* D = Dual Circuit (Standard), P = Parallel Piped

^ C = 208-230/3/60, D = 460/3/60

A1 UNIT SPECIFICATIONS

Medium & Low Temperature - Dual Bitzer Compressor Models

Please consult AWEF table on page 71 to confirm DOE compliance per model

Model	Compressor	Refrigerant Line Connections (OD)				Rec. Capacity @90% full (lbs)		Condenser Fan Data		Dimensions (In.)			Net Wt.
		Standard (2 Each)		Parallel Piped		Standard (2 Each)	Parallel Piped	No. Fans	Dia.	Length	Width	Height	(lbs.)
		Liquid	Suction	Liquid	Suction								
ACD0260L^ABX	4JE-15Y	1-1/8	2-1/8	1-3/8	3-1/8	123	269	4	30"	176.35	91.5	59.4	4,475
ACD0300L^ABX	4HE-18Y	1-1/8	2-1/8	1-3/8	3-1/8	123	269	4	30"	176.35	91.5	59.4	4,475
ACD0400L^ABX	4GE-23Y	1-1/8	2-1/8	1-3/8	3-1/8	123	269	4	30"	176.35	91.5	59.4	4,475
ACD0440L^ABX	6JE-25Y	1-1/8	2-1/8	1-3/8	3-1/8	123	269	4	30"	176.35	91.5	59.4	4,475
ACD0500L^ABX	6HE-28Y	1-1/8	2-1/8	1-3/8	3-1/8	123	269	4	30"	176.35	91.5	59.4	4,475
ACD0600L^ABX	6GE-34Y	1-1/8	2-1/8	1-3/8	3-1/8	123	269	4	30"	176.35	91.5	59.4	4,475
ACD0800L^ABX	6FE-44Y	1-1/8	2-1/8	1-5/8	3-1/8	188	363	6	30"	229.4	91.5	59.4	5,752
ACD0300M^ABX	4PES-15Y	1-1/8	1-5/8	1-3/8	2-5/8	123	269	4	30"	176.35	91.5	59.4	4,225
ACD0400M^ABX	4NES-20Y	1-1/8	2-1/8	1-3/8	2-5/8	123	269	4	30"	176.35	91.5	59.4	4,225
ACD0440M^ABX	4JE-22Y	1-1/8	2-1/8	1-3/8	2-5/8	123	269	4	30"	176.35	91.5	59.4	4,225
ACD0500M^ABX	4HE-25Y	1-1/8	2-1/8	1-3/8	2-5/8	123	269	4	30"	176.35	91.5	59.4	4,225
ACD0600M^ABX	4GE-30Y	1-1/8	2-1/8	1-5/8	3-1/8	188	363	6	30"	229.4	91.5	59.4	5,252
ACD0660M^ABX	6JE-33Y	1-1/8	2-1/8	1-5/8	3-1/8	188	363	6	30"	229.4	91.5	59.4	5,252
ACD0700M^ABX	6HE-35Y	1-1/8	2-1/8	1-5/8	3-1/8	188	363	6	30"	229.4	91.5	59.4	5,312
ACD0800M^ABX	6GE-40Y	1-1/8	2-1/8	1-5/8	3-1/8	188	363	8	30"	282.5	91.5	60.4	7,068
ACD1100M^ABX	6FE-50Y	1-1/8	2-1/8	1-5/8	3-1/8	188	363	8	30"	282.5	91.5	60.4	7,108

Notes:

^ C = 208-230/3/60, D = 460/3/60

A2L ELECTRICAL DATA

Low Temperature Models - Dual Bitzer Semi-Hermetic Compressor/208-230V

Please consult AWEF table on page 70 to confirm DOE compliance per model

Model	CMPR	Condensing Unit						Remote Loads							
		Compressor		Condenser		Air Defrost		2 Contactors				1 Contactor			
		RLA (Each)	LRA (Each)	No. Fans	FLA (Total)	MCA	MOPD	Evap. Fan Amps	Defrost Htrs. Amps	Electric Defrost		Evap. Fan Amps	Defrost Htrs. Amps	Electric Defrost	
										MCA	MOPD			MCA	MOPD
AC*0260LCABV	4JE-15Y	50.0	352	4	26.4	138.9	175	22	64	182.9	225	15	48	168.9	200
AC*0300LCABV	4HE-18Y	54.1	352	4	26.4	148.1	200	25	83	198.1	250	15	48	178.1	225
AC*0400LCABV	4GE-23Y	57.7	352	4	26.4	156.2	200	25	105	206.2	250	15	48	186.2	225
AC*0440LCABV	6JE-25Y	71.0	490	4	26.4	186.2	250	25	105	236.2	300	15	48	216.2	250
AC*0500LCABV	6HE-28Y	77.6	490	4	26.4	201.0	250	25	106	251.0	300	20	96	241.0	300
AC*0600LCABV	6GE-34Y	84.6	490	4	26.4	216.8	300	30	159.1	276.8	350	20	96	256.8	300
AC*0800LCABV	6FE-44Y	97.4	700	6	39.6	258.8	350	30	159.1	318.8	400	20	96	298.8	350

A2L ELECTRICAL DATA

Low Temperature Models - Dual Bitzer Semi-Hermetic Compressor/460V

Please consult AWEF table on page 70 to confirm DOE compliance per model

Model	CMPR	Condensing Unit						Remote Loads							
		Compressor		Condenser		Air Defrost		2 Contactors [†]				1 Contactor [†]			
		RLA (Each)	LRA (Each)	No. Fans	FLA (Total)	MCA	MOPD	Evap. Fan Amps	Defrost Htrs. Amps	Electric Defrost		Evap. Fan Amps	Defrost Htrs. Amps	Electric Defrost	
										MCA	MOPD			MCA	MOPD
AC*0260LDABV	4JE-15Y	25.0	176	4	13.2	69.5	90	15	38	99.5	110	10	24	89.5	110
AC*0300LDABV	4HE-18Y	27.1	176	4	13.2	74.2	100	15	48	104.2	125	15	40	104.2	125
AC*0400LDABV	4GE-23Y	28.8	176	4	13.2	78.0	100	15	56.8	108.0	125	15	48	108.0	125
AC*0440LDABV	6JE-25Y	35.5	245	4	13.2	93.1	125	15	56.8	123.1	150	15	48	123.1	150
AC*0500LDABV	6HE-28Y	38.8	245	4	13.2	100.5	125	15	64	130.5	150	15	48	130.5	150
AC*0600LDABV	6GE-34Y	42.3	245	4	13.2	108.4	150	20	76	148.4	175	15	48	138.4	175
AC*0800LDABV	6FE-44Y	48.7	350	6	19.8	129.4	175	20	76	169.4	200	15	48	159.4	200

Notes:

* D = Dual Circuit (Standard), P = Parallel Piped

MCA = Minimum Circuit Ampacity

MOP = Maximum Overcurrent Protection

Ratings shown at 60Hz. Consult factory for 50Hz applications

intelliGen™/ Beacon II™ and Air Defrost Units do not carry any of the evaporator fan or heater loads.

Power is supplied directly to the evaporators and does not go through the condensing unit.

An evaporator heater hold out relay (option) is recommended when two or more evaporators are connected to a single (ACV) condensing unit to allow termination on coils that have already defrosted to prevent unnecessary steaming. This option is not needed on intelliGen™/ Beacon II™ systems wired for a Master / Slave operation.

Power is supplied to each intelliGen™/ Beacon II™ evaporator. volt electrical specification.

Each coil terminates its own defrost. Refrigeration will not start until all coils have terminated defrost.

A2L ELECTRICAL DATA

Medium Temperature Models - Dual Bitzer Semi-Hermetic Compressor/208-230V

Please consult AWEF table on page 70 to confirm DOE compliance per model

Model	CMPR	Condensing Unit						Remote Loads							
		Compressor		Condenser		Air Defrost		2 Contactors				1 Contactor			
		RLA (Each)	LRA (Each)	No. Fans	FLA (Total)	MCA	MOPD	Evap. Fan Amps	Defrost Htrs. Amps	Electric Defrost		Evap. Fan Amps	Defrost Htrs. Amps	Electric Defrost	
										MCA	MOPD			MCA	MOPD
AC*0300MCABV	4PES-15Y	48.7	294	4	26.4	136.0	175	25	96	186.0	225	25	96	186.0	225
AC*0400MCABV	4NES-20Y	57.7	352	4	26.4	156.2	200	25	96	206.2	250	25	96	206.2	250
AC*0440MCABV	4JE-22Y	61.5	352	4	26.4	164.8	225	25	108	214.8	250	20	96	204.8	250
AC*0500MCABV	4HE-25Y	75.6	436	4	26.4	196.5	250	30	136.4	256.5	300	—	—	—	—
AC*0600MCABV	4GE-30Y	89.7	490	6	39.6	241.4	300	—	—	—	—	—	—	—	—
AC*0660MCABV	6JE-33Y	100.0	550	6	39.6	264.6	350	—	—	—	—	—	—	—	—
AC*0700MCABV	6HE-35Y	105.1	550	6	39.6	276.1	350	—	—	—	—	—	—	—	—
AC*0800MCABV	6GE-40Y	141.0	700	8	52.8	370.1	500	—	—	—	—	—	—	—	—
AC*0110MCABV	6FE-50Y	143.6	950	8	52.8	375.9	500	—	—	—	—	—	—	—	—

A2L ELECTRICAL DATA

Medium Temperature Models - Dual Bitzer Semi-Hermetic Compressor/460V

Please consult AWEF table on page 70 to confirm DOE compliance per model

Model	CMPR	Condensing Unit						Remote Loads							
		Compressor		Condenser		Air Defrost		2 Contactors				1 Contactor			
		RLA (Each)	LRA (Each)	No. Fans	FLA (Total)	MCA	MOPD	Evap. Fan Amps	Defrost Htrs. Amps	Electric Defrost		Evap. Fan Amps	Defrost Htrs. Amps	Electric Defrost	
										MCA	MOPD			MCA	MOPD
BCD0300MDABV	4PES-15Y	24.4	147	4	6.8	61.7	80	15	56.8	142.0	150	15	48	120.0	125
BCD0400MDABV	4NES-20Y	28.8	176	4	6.8	71.6	100	15	56.8	142.0	150	15	48	120.0	125
BCD0440MDABV	4JE-22Y	30.8	176	4	6.8	76.1	100	15	56.8	142.0	150	15	48	120.0	125
BCD0500MDABV	4HE-25Y	37.8	218	4	6.8	91.9	125	20	67	167.5	175	15	68.2	170.5	175
BCD0600MDABV	4GE-30Y	44.9	245	6	10.2	111.2	150	20	77	192.5	200	20	77	192.5	200
BCD0660MDABV	6JE-33Y	50.0	275	6	10.2	122.7	150	20	77	192.5	200	20	77	192.5	200
BCD0700MDABV	6HE-35Y	52.6	275	6	10.2	128.5	175	20	84	210.0	225	20	84	210.0	225
BCD0800MDABV	6GE-40Y	70.5	350	8	13.6	172.2	225	20	96	240.0	250	20	96	240.0	250
BCD1100MDABV	6FE-50Y	71.8	425	8	13.6	175.2	225	20	96	240.0	250	20	96	240.0	250

Notes:

* D = Dual Circuit (Standard), P = Parallel Piped

MCA = Minimum Circuit Ampacity

MOP = Maximum Overcurrent Protection

Ratings shown at 60Hz. Consult factory for 50Hz applications

intelliGen™/ Beacon II™ and Air Defrost Units do not carry any of the evaporator fan or heater loads.

Power is supplied directly to the evaporators and does not go through the condensing unit.

An evaporator heater hold out relay (option) is recommended when two or more evaporators are connected to a single (ACV) condensing unit to allow termination on coils that have already defrosted to prevent unnecessary steaming. This option is not needed on intelliGen™/ Beacon II™ systems wired for a Master / Slave operation.

Power is supplied to each intelliGen™/ Beacon II™ evaporator. volt electrical specification.

Each coil terminates its own defrost. Refrigeration will not start until all coils have terminated defrost.

A1 ELECTRICAL DATA

Low Temperature - Dual Bitzer Compressor Models/208-230V

Please consult AWEF table on page 71 to confirm DOE compliance per model

Model	Compressor	Condensing Unit						Remote Loads							
		Compressor		Condenser		Air Defrost		2 Contactors				1 Contactor			
		RLA (Each)	LRA (Each)	No. Fans	FLA (Total)	MCA	MOPD	Evap. Fan Amps	Defrost Htrs. Amps	Electric Defrost		Evap. Fan Amps	Defrost Htrs. Amps	Electric Defrost	
										MCA	MOPD			MCA	MOPD
ACD0260LCABX	4JE-15Y	55.3	352	4	26.4	150.9	200	22	64	194.9	250	15	48	180.9	225
ACD0300LCABX	4HE-18Y	59.8	352	4	26.4	161.0	200	25	83	211.0	250	15	48	191.0	250
ACD0400LCABX	4GE-23Y	63.8	352	4	26.4	169.9	225	25	105	236.3	250	15	48	199.9	250
ACD0440LCABX	6JE-25Y	78.5	490	4	26.4	203.1	250	25	105	253.1	300	15	48	233.1	300
ACD0500LCABX	6HE-28Y	85.8	490	4	26.4	219.4	300	25	106	269.4	350	20	96	259.4	300
ACD0600LCABX	6GE-34Y	93.6	490	4	26.4	237.0	300	30	159.1	358.0	400	20	96	277.0	350
ACD0800LCABX	6FE-44Y	107.8	700	6	39.6	282.1	350	30	159.1	358.0	400	20	96	322.1	400

Low Temperature - Dual Bitzer Compressor Models/460V

Please consult AWEF table on page 71 to confirm DOE compliance per model

Model	Compressor	Condensing Unit						Remote Loads							
		Compressor		Condenser		Air Defrost		2 Contactors				1 Contactor			
		RLA (Each)	LRA (Each)	No. Fans	FLA (Total)	MCA	MOPD	Evap. Fan Amps	Defrost Htrs. Amps	Electric Defrost		Evap. Fan Amps	Defrost Htrs. Amps	Electric Defrost	
										MCA	MOPD			MCA	MOPD
ACD0260LDABX	4JE-15Y	25.0	176	4	13.2	69.5	90	15	38	99.5	125	10	24	89.5	100
ACD0300LDABX	4HE-18Y	27.1	176	4	13.2	74.1	100	15	48	108.0	125	15	40	104.1	125
ACD0400LDABX	4GE-23Y	28.8	176	4	13.2	78.1	100	15	56.8	127.8	150	15	48	108.1	125
ACD0440LDABX	6JE-25Y	35.5	245	4	13.2	93.1	125	15	56.8	127.8	150	15	48	123.1	150
ACD0500LDABX	6HE-28Y	38.8	245	4	13.2	100.5	125	15	64	144.0	150	15	48	130.5	150
ACD0600LDABX	6GE-34Y	42.3	245	4	13.2	108.4	150	20	76	171.0	175	15	48	138.4	175
ACD0800LDABX	6FE-44Y	48.7	350	6	19.8	129.4	175	20	76	171.0	200	15	48	159.4	200

Notes:

MCA = Minimum Circuit Ampacity

MOP = Maximum Overcurrent Protection

Ratings shown at 60Hz.

intelliGen™ and Air Defrost Units do not carry any of the evaporator fan or heater loads.

Power is supplied directly to the evaporators and does not go through the condensing unit.

An evaporator heater hold out relay (option) is recommended when two or more evaporators are connected to a single condensing unit to allow termination on coils that have already defrosted to prevent unnecessary steaming. This option is not needed on intelliGen™ systems wired for a Master / Slave operation.

Mounted Electric Defrost Kits for condensing units include:

Defrost timer, Spring terminals, (1) evaporator fan contactor and:

One (1) defrost heater contactor for 1L and 1H codes

Two (2) defrost heater contactors for 2L and 2H codes

Four (4) defrost heater contactors for 4L and 4H codes

Power is supplied to each intelliGen™ evaporator.

Each coil terminates its own defrost. Refrigeration will not start until all coils have terminated defrost.

Contact factory for 575 volt electrical specification

A1 ELECTRICAL DATA

Medium Temperature - Dual Bitzer Compressor Models/208-230V

Please consult AWEF table on page 71 to confirm DOE compliance per model

Model	Compressor	Condensing Unit						Remote Loads							
		Compressor		Condenser		Air Defrost		2 Contactors				1 Contactor			
		RLA (Each)	LRA (Each)	No. Fans	FLA (Total)	MCA	MOPD	Evap. Fan Amps	Defrost Htrs. Amps	Electric Defrost		Evap. Fan Amps	Defrost Htrs. Amps	Electric Defrost	
										MCA	MOPD			MCA	MOPD
ACD0300MCABX	4PES-15Y	53.8	294	4	26.4	147.6	200	25	96	216.0	250	25	96	216.0	250
ACD0400MCABX	4NES-20Y	63.8	352	4	26.4	169.9	225	25	96	219.9	250	25	96	219.9	250
ACD0440MCABX	4JE-22Y	68.1	352	4	26.4	179.6	225	25	108	243.0	250	20	96	219.6	250
ACD0500MCABX	4HE-25Y	83.7	436	4	26.4	214.6	250	30	136.4	306.9	350	-	-	-	-
ACD0600MCABX	4GE-30Y	99.2	490	6	39.6	262.9	350	—	—	—	—	—	—	—	—
ACD0660MCABX	6JE-33Y	110.6	550	6	39.6	288.4	350	—	—	—	—	—	—	—	—
ACD0700MCABX	6HE-35Y	116.2	550	6	39.6	301.1	400	—	—	—	—	—	—	—	—
ACD0800MCABX	6GE-40Y	156.0	700	8	52.8	403.7	500	—	—	—	—	—	—	—	—
ACD1100MCABX	6FE-50Y	158.8	950	8	52.8	410.1	500	—	—	—	—	—	—	—	—

Medium Temperature - Dual Bitzer Compressor Models/460V

Please consult AWEF table on page 71 to confirm DOE compliance per model

Model	Compressor	Condensing Unit						Remote Loads							
		Compressor		Condenser		Air Defrost		2 Contactors				1 Contactor			
		RLA (Each)	LRA (Each)	No. Fans	FLA (Total)	MCA	MOPD	Evap. Fan Amps	Defrost Htrs. Amps	Electric Defrost		Evap. Fan Amps	Defrost Htrs. Amps	Electric Defrost	
										MCA	MOPD			MCA	MOPD
ACD0300MDABX	4PES-15Y	24.4	147	4	13.2	68.0	90	15	56.8	127.8	150	15	48	108.0	125
ACD0400MDABX	4NES-20Y	28.8	176	4	13.2	78.1	100	15	56.8	127.8	150	15	48	108.1	125
ACD0440MDABX	4JE-22Y	30.8	176	4	13.2	82.4	100	15	56.8	127.8	150	15	48	112.4	125
ACD0500MDABX	4HE-25Y	37.8	218	4	13.2	98.3	125	20	67	150.8	175	15	68.2	153.5	175
ACD0600MDABX	4GE-30Y	44.9	245	6	19.8	120.8	150	20	77	173.3	200	20	77	173.3	200
ACD0660MDABX	6JE-33Y	50.0	275	6	19.8	132.3	175	20	77	173.3	200	20	77	173.3	200
ACD0700MDABX	6HE-35Y	52.6	275	6	19.8	138.1	175	20	84	189.0	225	20	84	189.0	225
ACD0800MDABX	6GE-40Y	70.5	350	8	26.4	185.1	250	20	96	225.1	250	20	96	225.1	250
ACD1100MDABX	6FE-50Y	71.8	425	8	26.4	187.9	250	20	96	227.9	250	20	96	227.9	250

Notes:

MCA = Minimum Circuit Ampacity

MOP = Maximum Overcurrent Protection

Ratings shown at 60Hz.

intelliGen™ and Air Defrost Units do not carry any of the evaporator fan or heater loads.

Power is supplied directly to the evaporators and does not go through the condensing unit.

An evaporator heater hold out relay (option) is recommended when two or more evaporators are connected to a single condensing unit to allow termination on coils that have already defrosted to prevent unnecessary steaming. This option is not needed on intelliGen™ systems wired for a Master / Slave operation.

Mounted Electric Defrost Kits for condensing units include:

Defrost timer, Spring terminals, (1) evaporator fan contactor and:

One (1) defrost heater contactor for 1L and 1H codes

Two (2) defrost heater contactors for 2L and 2H codes

Four (4) defrost heater contactors for 4L and 4H codes

Power is supplied to each intelliGen™ evaporator.

Each coil terminates its own defrost. Refrigeration will not start until all coils have terminated defrost.

Contact factory for 575 volt electrical specification

MODELS WITH DUAL FRASCOLD SEMI-HERMETIC COMPRESSORS

A1 PERFORMANCE DATA – R-404A/R-507A

Low Temperature - Dual Frascol Compressor Models

R-404A/R-507A		Capacity BTUH @ 90°F Ambient by SST								
Model	Compressor	0°F	-5°F	-10°F	-15°F	-20°F	-25°F	-30°F	-35°F	-40°F
ACD0260L^AFX	V15-59Y-2NU	205,200	184,020	164,160	145,780	128,540	112,440	97,420	83,160	69,660
ACD0300L^AFX	V15-71Y-2NU	241,920	217,220	193,820	172,200	151,920	132,940	115,140	98,120	81,940
ACD0400L^AFX	V20-84Y-2NU	273,420	245,180	218,380	193,020	169,420	147,140	126,560	107,500	89,960
ACD0440L^AFX	V25-103Y-2NU	319,360	286,120	254,380	224,500	196,100	169,700	145,340	122,620	101,780
ACD0500L^AFX	Z25-106Y-2NU	338,420	303,300	269,600	237,480	206,840	178,540	152,320	128,120	106,040
ACD0600L^AFX	Z30-126Y-2NU	377,060	339,820	303,480	269,080	236,440	205,180	176,420	149,520	124,720
ACD0800L^AFX	Z40-154Y-2NU	514,820	465,400	418,720	373,140	330,620	289,980	252,000	215,240	179,660

R-404A/R-507A		Capacity BTUH @ 95°F Ambient by SST								
Model	Compressor	0°F	-5°F	-10°F	-15°F	-20°F	-25°F	-30°F	-35°F	-40°F
ACD0260L^AFX	V15-59Y-2NU	196,420	175,800	156,880	139,060	122,420	106,820	92,280	78,420	65,260
ACD0300L^AFX	V15-71Y-2NU	230,740	207,120	184,840	164,060	144,500	126,120	108,740	92,300	76,500
ACD0400L^AFX	V20-84Y-2NU	258,740	231,960	206,880	183,180	160,700	139,620	120,160	102,060	85,420
ACD0440L^AFX	V25-103Y-2NU	301,780	269,860	240,200	212,120	184,800	159,380	136,260	114,700	95,000
ACD0500L^AFX	Z25-106Y-2NU	320,260	287,160	255,720	224,540	195,640	168,760	143,760	120,680	99,520
ACD0600L^AFX	Z30-126Y-2NU	355,980	320,240	286,800	254,300	222,940	193,620	166,320	140,680	117,020
ACD0800L^AFX	Z40-154Y-2NU	490,000	443,020	398,460	355,320	313,800	274,920	237,760	202,000	167,180

R-404A/R-507A		Capacity BTUH @ 100°F Ambient by SST								
Model	Compressor	0°F	-5°F	-10°F	-15°F	-20°F	-25°F	-30°F	-35°F	-40°F
ACD0260L^AFX	V15-59Y-2NU	187,000	167,440	149,360	132,240	116,180	101,140	86,980	73,580	60,760
ACD0300L^AFX	V15-71Y-2NU	219,820	197,140	175,780	155,880	137,000	119,280	102,520	86,440	71,060
ACD0400L^AFX	V20-84Y-2NU	243,780	219,100	195,240	173,060	151,840	132,080	113,720	96,660	80,880
ACD0440L^AFX	V25-103Y-2NU	—	254,020	225,900	199,140	173,480	149,300	127,160	106,760	88,200
ACD0500L^AFX	Z25-106Y-2NU	302,100	271,000	241,320	212,000	184,520	159,060	135,320	113,400	93,280
ACD0600L^AFX	Z30-126Y-2NU	—	301,460	270,080	239,920	210,200	182,120	156,300	131,940	109,480
ACD0800L^AFX	Z40-154Y-2NU	464,780	420,340	377,920	336,620	296,780	259,360	223,340	188,600	154,540

R-404A/R-507A		Capacity BTUH @ 110°F Ambient by SST								
Model	Compressor	0°F	-5°F	-10°F	-15°F	-20°F	-25°F	-30°F	-35°F	-40°F
ACD0260L^AFX	V15-59Y-2NU	—	150,540	133,940	118,100	103,420	89,400	76,240	63,640	51,600
ACD0300L^AFX	V15-71Y-2NU	—	—	157,740	139,380	121,980	105,460	89,760	74,700	60,140
ACD0400L^AFX	V20-84Y-2NU	—	—	172,160	152,580	134,200	116,960	100,920	85,980	72,140
ACD0440L^AFX	V25-103Y-2NU	—	—	—	—	—	128,700	108,940	90,880	74,420
ACD0500L^AFX	Z25-106Y-2NU	—	—	—	—	162,820	140,040	118,900	99,340	81,360
ACD0600L^AFX	Z30-126Y-2NU	—	—	—	—	—	159,740	136,600	114,920	94,820
ACD0800L^AFX	Z40-154Y-2NU	—	—	—	—	262,620	227,740	194,140	161,080	128,900

Notes:

HEAD FAN REQUIRED FOR ALL OPERATING CONDITIONS

Liquid Injection is Required

^ C = 208-230/3/60, D = 460/3/60, E = 575/3/60

A1 PERFORMANCE DATA – R-448A/R-449A

Low Temperature - Dual Frascol® Compressor Models

R-448A/R-449A		Capacity BTUH @ 90°F Ambient by SST								
Model	Compressor	0°F	-5°F	-10°F	-15°F	-20°F	-25°F	-30°F	-35°F	-40°F
ACD0260L [^] AFX	V15-59Y-2NU	187,360	164,600	143,920	124,740	107,220	91,100	76,480	63,000	50,580
ACD0300L [^] AFX	V15-71Y-2NU	227,300	200,120	175,160	152,420	131,500	112,440	95,020	79,080	64,420
ACD0400L [^] AFX	V20-84Y-2NU	269,780	238,720	210,400	184,180	160,220	138,040	117,600	98,440	80,320
ACD0440L [^] AFX	V25-103Y-2NU	316,320	281,860	249,900	219,360	191,140	164,480	140,200	117,200	95,420
ACD0500L [^] AFX	Z25-106Y-2NU	322,280	285,200	250,760	218,800	189,040	162,080	137,240	114,260	92,880
ACD0600L [^] AFX	Z30-126Y-2NU	386,200	345,140	306,380	269,960	235,760	204,000	174,740	147,780	122,620
ACD0800L [^] AFX	Z40-154Y-2NU	492,380	437,100	385,080	336,840	291,800	250,780	213,080	178,300	146,300

R-448A/R-449A		Capacity BTUH @ 95°F Ambient by SST								
Model	Compressor	0°F	-5°F	-10°F	-15°F	-20°F	-25°F	-30°F	-35°F	-40°F
ACD0260L [^] AFX	V15-59Y-2NU	179,360	157,500	137,380	118,860	101,900	86,340	72,200	59,180	47,200
ACD0300L [^] AFX	V15-71Y-2NU	218,020	191,560	167,620	145,500	125,280	106,880	90,060	74,660	60,500
ACD0400L [^] AFX	V20-84Y-2NU	258,740	229,040	201,600	176,340	153,240	131,900	112,200	93,740	76,280
ACD0440L [^] AFX	V25-103Y-2NU	302,780	269,660	238,900	209,500	182,000	156,440	132,980	110,700	89,540
ACD0500L [^] AFX	Z25-106Y-2NU	307,920	272,760	239,420	208,460	179,900	153,920	129,920	107,700	86,980
ACD0600L [^] AFX	Z30-126Y-2NU	370,140	330,600	293,540	258,660	225,520	195,040	166,900	140,620	116,180
ACD0800L [^] AFX	Z40-154Y-2NU	472,260	419,180	369,040	322,240	278,920	239,220	202,640	168,780	137,320

R-448A/R-449A		Capacity BTUH @ 100°F Ambient by SST								
Model	Compressor	0°F	-5°F	-10°F	-15°F	-20°F	-25°F	-30°F	-35°F	-40°F
ACD0260L [^] AFX	V15-59Y-2NU	171,280	150,220	130,800	112,920	96,560	81,520	67,880	55,380	43,800
ACD0300L [^] AFX	V15-71Y-2NU	208,640	183,020	159,940	138,600	119,100	101,320	85,080	70,240	56,600
ACD0400L [^] AFX	V20-84Y-2NU	247,700	219,160	192,780	168,500	146,340	125,780	106,840	89,100	72,300
ACD0440L [^] AFX	V25-103Y-2NU	289,140	257,340	227,680	199,380	172,960	148,540	125,680	104,120	83,560
ACD0500L [^] AFX	Z25-106Y-2NU	293,860	260,040	227,980	198,160	170,900	145,660	122,520	100,960	81,020
ACD0600L [^] AFX	Z30-126Y-2NU	353,940	316,400	280,860	247,360	215,560	186,060	158,900	133,460	109,760
ACD0800L [^] AFX	Z40-154Y-2NU	451,980	401,040	352,500	307,680	265,860	227,480	192,000	159,100	128,460

R-448A/R-449A		Capacity BTUH @ 110°F Ambient by SST								
Model	Compressor	0°F	-5°F	-10°F	-15°F	-20°F	-25°F	-30°F	-35°F	-40°F
ACD0260L [^] AFX	V15-59Y-2NU	155,200	135,540	117,500	100,800	85,600	71,740	59,140	47,540	36,800
ACD0300L [^] AFX	V15-71Y-2NU	189,620	166,080	144,700	124,900	106,820	90,340	75,300	61,540	48,940
ACD0400L [^] AFX	V20-84Y-2NU	225,940	199,600	175,400	153,200	132,680	113,800	96,280	80,020	64,560
ACD0440L [^] AFX	V25-103Y-2NU	—	232,320	205,200	179,200	154,600	132,040	110,780	90,500	71,340
ACD0500L [^] AFX	Z25-106Y-2NU	265,360	234,340	204,780	177,320	152,260	128,960	107,520	87,460	68,900
ACD0600L [^] AFX	Z30-126Y-2NU	—	—	255,420	224,680	195,600	168,120	142,940	119,220	97,020
ACD0800L [^] AFX	Z40-154Y-2NU	411,020	364,280	319,760	278,080	239,520	203,540	170,280	139,100	—

Notes:

HEAD FAN REQUIRED FOR ALL OPERATING CONDITIONS

Liquid Injection is Required

[^] C = 208-230/3/60, D = 460/3/60, E = 575/3/60

A1 PERFORMANCE DATA – R-407A/R-407F

Low Temperature - Dual Frascold Compressor Models

R-407A/R-407F		Capacity BTUH @ 90°F Ambient by SST								
Model	Compressor	0°F	-5°F	-10°F	-15°F	-20°F	-25°F	-30°F	-35°F	-40°F
ACD0260L [^] AFX	V15-59Y-2NU	178,880	156,160	135,280	116,060	98,320	81,680	66,120	51,100	36,460
ACD0300L [^] AFX	V15-71Y-2NU	220,620	193,120	168,160	145,000	123,540	103,520	84,560	66,360	48,560
ACD0400L [^] AFX	V20-84Y-2NU	269,080	236,800	207,320	179,840	154,540	130,760	108,280	86,600	65,300
ACD0440L [^] AFX	V25-103Y-2NU	303,620	267,900	235,100	203,840	174,940	147,900	122,060	96,980	72,140
ACD0500L [^] AFX	Z25-106Y-2NU	316,260	278,480	242,820	209,740	179,240	150,500	123,320	96,940	71,200
ACD0600L [^] AFX	Z30-126Y-2NU	366,880	324,060	284,260	246,800	211,160	177,400	145,780	115,420	86,520
ACD0800L [^] AFX	Z40-154Y-2NU	477,680	421,640	368,240	318,840	272,800	229,500	188,940	150,440	113,480

R-407A/R-407F		Capacity BTUH @ 95°F Ambient by SST								
Model	Compressor	0°F	-5°F	-10°F	-15°F	-20°F	-25°F	-30°F	-35°F	-40°F
ACD0260L [^] AFX	V15-59Y-2NU	170,460	148,480	128,300	109,760	92,560	76,660	61,720	47,400	33,380
ACD0300L [^] AFX	V15-71Y-2NU	210,780	184,160	160,020	137,640	116,940	97,600	79,480	62,040	45,020
ACD0400L [^] AFX	V20-84Y-2NU	257,840	226,680	198,080	171,560	147,180	124,260	102,640	81,820	61,400
ACD0440L [^] AFX	V25-103Y-2NU	290,500	255,960	224,220	194,040	166,160	140,140	115,300	91,220	67,420
ACD0500L [^] AFX	Z25-106Y-2NU	302,020	265,060	230,820	199,160	169,720	142,060	115,960	90,640	65,980
ACD0600L [^] AFX	Z30-126Y-2NU	349,480	308,900	270,480	234,140	199,540	167,240	136,760	107,700	79,740
ACD0800L [^] AFX	Z40-154Y-2NU	456,600	402,380	351,220	303,080	258,600	216,900	177,800	140,560	105,340

R-407A/R-407F		Capacity BTUH @ 100°F Ambient by SST								
Model	Compressor	0°F	-5°F	-10°F	-15°F	-20°F	-25°F	-30°F	-35°F	-40°F
ACD0260L [^] AFX	V15-59Y-2NU	162,180	140,960	121,500	103,600	87,080	71,780	57,500	43,800	30,420
ACD0300L [^] AFX	V15-71Y-2NU	201,140	175,380	152,080	130,460	110,560	91,960	74,580	57,900	41,660
ACD0400L [^] AFX	V20-84Y-2NU	246,860	216,880	189,160	163,580	140,080	118,000	97,240	77,280	57,760
ACD0440L [^] AFX	V25-103Y-2NU	277,640	244,360	213,640	184,840	157,700	132,680	108,840	85,760	63,000
ACD0500L [^] AFX	Z25-106Y-2NU	288,140	252,740	219,780	188,840	160,580	134,000	108,940	84,660	61,060
ACD0600L [^] AFX	Z30-126Y-2NU	333,220	294,080	256,940	221,920	188,520	157,460	128,100	100,100	73,200
ACD0800L [^] AFX	Z40-154Y-2NU	436,600	383,420	334,220	287,760	244,860	204,580	166,960	131,140	97,200

R-407A/R-407F		Capacity BTUH @ 110°F Ambient by SST								
Model	Compressor	0°F	-5°F	-10°F	-15°F	-20°F	-25°F	-30°F	-35°F	-40°F
ACD0260L [^] AFX	V15-59Y-2NU	146,460	126,560	108,480	91,940	76,700	62,680	49,620	37,180	25,060
ACD0300L [^] AFX	V15-71Y-2NU	182,500	158,720	136,920	116,900	98,520	81,440	65,520	50,320	35,580
ACD0400L [^] AFX	V20-84Y-2NU	225,700	197,980	172,160	148,500	126,760	106,420	87,360	69,100	51,280
ACD0440L [^] AFX	V25-103Y-2NU	253,020	222,480	193,640	166,840	142,120	118,920	97,000	75,820	55,160
ACD0500L [^] AFX	Z25-106Y-2NU	261,420	228,540	198,160	169,460	143,420	118,920	95,820	73,760	52,260
ACD0600L [^] AFX	Z30-126Y-2NU	—	265,840	231,760	198,800	168,080	139,100	111,880	85,880	61,220
ACD0800L [^] AFX	Z40-154Y-2NU	396,720	347,480	301,680	258,720	218,900	181,560	146,740	113,800	82,400

Notes:

HEAD FAN REQUIRED FOR ALL OPERATING CONDITIONS

Liquid Injection is Required

[^] C = 208-230/3/60, D = 460/3/60, E = 575/3/60

A1 PERFORMANCE DATA – R-404A/R-507A

Medium Temperature - Dual Frascol® Compressor Models

R-404A/R-507A		Capacity BTUH @ 90°F Ambient by SST								
Model	Compressor	40°F	35°F	30°F	25°F	20°F	15°F	10°F	0°F	-10°F
ACD0300M [^] AFX	S15-52Y-2NU	394,080	363,640	334,820	306,900	280,080	254,500	230,220	186,080	147,500
ACD0400M [^] AFX	S20-56Y-2NU	423,420	392,340	361,260	332,100	303,840	276,900	251,160	203,580	161,760
ACD0440M [^] AFX	V20-59Y-2NU	436,000	402,240	368,560	335,920	305,260	276,340	248,100	196,760	152,860
ACD0500M [^] AFX	V25-71Y-2NU	505,000	469,360	431,720	395,240	359,660	325,640	293,600	234,540	183,220
ACD0600M [^] AFX	V30-84Y-2NU	638,060	588,680	539,440	492,980	447,940	405,660	364,940	291,180	227,540
ACD0660M [^] AFX	V35-103Y-2NU	716,640	666,480	616,760	566,740	519,440	473,380	429,860	347,720	274,760
ACD0700M [^] AFX	Z35-106Y-2NU	779,500	723,700	664,340	608,460	555,020	503,560	454,780	363,920	285,940
ACD0800M [^] AFX	Z40-126Y-2NU	933,160	862,400	792,860	723,620	658,540	597,140	536,680	426,800	332,760
ACD1100M [^] AFX	Z50-154Y-2NU	1,088,140	1,011,000	936,720	860,580	784,840	713,580	644,360	516,460	403,200

R-404A/R-507A		Capacity BTUH @ 95°F Ambient by SST								
Model	Compressor	40°F	35°F	30°F	25°F	20°F	15°F	10°F	0°F	-10°F
ACD0300M [^] AFX	S15-52Y-2NU	375,800	347,040	319,800	293,340	268,240	243,660	220,600	178,080	140,680
ACD0400M [^] AFX	S20-56Y-2NU	403,400	374,240	345,580	317,300	290,580	264,760	240,340	194,660	154,340
ACD0440M [^] AFX	V20-59Y-2NU	412,680	380,740	350,100	319,140	289,980	262,400	235,680	186,660	144,420
ACD0500M [^] AFX	V25-71Y-2NU	—	445,160	409,820	375,540	341,080	309,360	279,240	222,440	173,400
ACD0600M [^] AFX	V30-84Y-2NU	607,180	560,520	513,880	469,260	426,860	386,480	347,800	277,020	216,020
ACD0660M [^] AFX	V35-103Y-2NU	—	—	588,120	541,120	496,760	452,360	410,660	331,500	261,240
ACD0700M [^] AFX	Z35-106Y-2NU	—	685,260	631,900	578,060	527,520	478,800	432,400	345,980	271,760
ACD0800M [^] AFX	Z40-126Y-2NU	885,200	818,760	752,620	687,440	625,840	567,260	509,480	405,900	315,960
ACD1100M [^] AFX	Z50-154Y-2NU	—	—	889,340	817,520	745,900	678,160	612,760	490,180	382,640

R-404A/R-507A		Capacity BTUH @ 100°F Ambient by SST								
Model	Compressor	40°F	35°F	30°F	25°F	20°F	15°F	10°F	0°F	-10°F
ACD0300M [^] AFX	S15-52Y-2NU	—	—	304,560	279,660	255,700	232,300	210,400	169,900	133,860
ACD0400M [^] AFX	S20-56Y-2NU	—	—	—	302,340	277,080	252,920	229,140	185,680	146,880
ACD0440M [^] AFX	V20-59Y-2NU	—	—	331,480	302,220	274,640	248,380	222,980	176,320	135,980
ACD0500M [^] AFX	V25-71Y-2NU	—	—	—	—	323,060	293,060	264,420	210,400	163,680
ACD0600M [^] AFX	V30-84Y-2NU	—	—	488,860	445,960	406,240	366,740	330,140	262,940	204,680
ACD0660M [^] AFX	V35-103Y-2NU	—	—	—	—	472,760	431,580	391,740	315,900	248,060
ACD0700M [^] AFX	Z35-106Y-2NU	—	—	—	547,520	500,020	454,080	410,080	328,200	257,780
ACD0800M [^] AFX	Z40-126Y-2NU	—	—	712,360	650,980	592,820	537,520	483,300	384,640	299,260
ACD1100M [^] AFX	Z50-154Y-2NU	—	—	—	—	706,260	642,800	581,780	464,580	362,180

Notes:

[^] C = 208-230/3/60, D = 460/3/60, E = 575/3/60

A1 PERFORMANCE DATA – R-404A/R-507A

Medium Temperature - Dual Frascold Compressor Models

R-404A/R-507A		Capacity BTUH @ 110°F Ambient by SST								
Model	Compressor	40°F	35°F	30°F	25°F	20°F	15°F	10°F	0°F	-10°F
ACD0300M^AFX	S15-52Y-2NU	—	—	—	—	—	—	—	153,340	120,120
ACD0400M^AFX	S20-56Y-2NU	—	—	—	—	—	—	—	167,760	131,920
ACD0440M^AFX	V20-59Y-2NU	—	—	—	—	—	—	—	155,720	119,300
ACD0500M^AFX	V25-71Y-2NU	—	—	—	—	—	—	—	186,860	144,520
ACD0600M^AFX	V30-84Y-2NU	—	—	—	—	—	—	—	235,180	182,480
ACD0660M^AFX	V35-103Y-2NU	—	—	—	—	—	—	—	—	223,160
ACD0700M^AFX	Z35-106Y-2NU	—	—	—	—	—	—	—	293,520	230,500
ACD0800M^AFX	Z40-126Y-2NU	—	—	—	—	—	—	—	342,400	266,360
ACD1100M^AFX	Z50-154Y-2NU	—	—	—	—	—	—	—	—	321,760

Notes:

^ C = 208-230/3/60, D = 460/3/60, E = 575/3/60

A1 PERFORMANCE DATA – R-448A/R-449A

Medium Temperature - Dual Frascol® Compressor Models

R-448A/R-449A		Capacity BTUH @ 90°F Ambient by SST								
Model	Compressor	40°F	35°F	30°F	25°F	20°F	15°F	10°F	0°F	-10°F
ACD0300M [^] AFX	S15-52Y-2NU	386,260	349,840	315,100	282,760	251,940	223,780	197,380	152,000	114,520
ACD0400M [^] AFX	S20-56Y-2NU	426,360	386,860	349,900	314,900	282,060	251,740	223,420	173,640	132,480
ACD0440M [^] AFX	V20-59Y-2NU	437,100	398,200	360,780	325,280	292,180	260,880	231,760	180,380	137,460
ACD0500M [^] AFX	V25-71Y-2NU	524,640	478,700	435,540	394,240	355,080	318,400	284,220	222,700	171,400
ACD0600M [^] AFX	V30-84Y-2NU	636,920	581,560	528,300	477,680	430,200	385,060	343,680	269,820	207,800
ACD0660M [^] AFX	V35-103Y-2NU	750,660	687,200	627,700	570,660	516,380	465,840	417,680	331,480	258,260
ACD0700M [^] AFX	Z35-106Y-2NU	782,140	713,920	649,120	587,200	528,500	473,300	422,080	330,300	253,500
ACD0800M [^] AFX	Z40-126Y-2NU	916,840	838,920	763,600	691,820	624,360	560,440	500,700	394,540	305,320
ACD1100M [^] AFX	Z50-154Y-2NU	1,111,800	1,022,080	933,380	849,520	769,600	693,940	622,920	493,680	382,400

R-448A/R-449A		Capacity BTUH @ 95°F Ambient by SST								
Model	Compressor	40°F	35°F	30°F	25°F	20°F	15°F	10°F	0°F	-10°F
ACD0300M [^] AFX	S15-52Y-2NU	370,160	335,140	301,680	270,500	240,820	213,480	188,440	144,520	108,400
ACD0400M [^] AFX	S20-56Y-2NU	409,060	371,120	335,580	301,880	270,580	240,980	213,560	165,740	126,060
ACD0440M [^] AFX	V20-59Y-2NU	419,760	382,360	346,320	312,100	280,000	249,780	221,880	172,100	130,620
ACD0500M [^] AFX	V25-71Y-2NU	503,340	460,200	417,880	378,200	340,540	305,600	272,280	212,920	163,380
ACD0600M [^] AFX	V30-84Y-2NU	611,260	558,160	507,060	458,440	412,800	369,480	329,500	258,380	198,600
ACD0660M [^] AFX	V35-103Y-2NU	719,800	660,560	602,480	547,900	495,900	447,480	401,160	318,200	247,640
ACD0700M [^] AFX	Z35-106Y-2NU	751,400	685,820	623,640	564,080	507,280	454,680	404,880	316,200	241,960
ACD0800M [^] AFX	Z40-126Y-2NU	879,940	805,360	733,160	664,260	599,340	537,880	480,620	378,140	292,080
ACD1100M [^] AFX	Z50-154Y-2NU	1,064,040	978,520	893,820	814,160	737,740	665,300	597,180	472,580	366,020

R-448A/R-449A		Capacity BTUH @ 100°F Ambient by SST								
Model	Compressor	40°F	35°F	30°F	25°F	20°F	15°F	10°F	0°F	-10°F
ACD0300M [^] AFX	S15-52Y-2NU	354,100	320,420	288,300	258,280	229,620	203,420	179,400	137,140	102,420
ACD0400M [^] AFX	S20-56Y-2NU	391,880	355,360	321,240	288,880	258,740	229,980	203,840	157,760	119,660
ACD0440M [^] AFX	V20-59Y-2NU	403,160	366,500	331,880	298,760	267,980	238,580	211,680	163,880	123,800
ACD0500M [^] AFX	V25-71Y-2NU	482,020	440,740	400,200	362,160	325,940	292,140	260,080	203,100	155,360
ACD0600M [^] AFX	V30-84Y-2NU	585,320	534,620	485,680	439,020	395,200	353,960	315,140	246,900	189,380
ACD0660M [^] AFX	V35-103Y-2NU	689,120	632,640	577,140	525,020	475,340	428,900	384,520	304,680	236,840
ACD0700M [^] AFX	Z35-106Y-2NU	720,520	657,620	598,000	540,480	486,240	435,600	387,280	302,020	230,380
ACD0800M [^] AFX	Z40-126Y-2NU	842,860	771,420	702,440	636,440	574,280	515,300	460,460	361,580	278,580
ACD1100M [^] AFX	Z50-154Y-2NU	1,016,720	935,400	854,600	778,620	705,660	636,400	571,080	451,500	349,020

Notes:

HEAD FAN REQUIRED FOR ALL OPERATING CONDITIONS

Liquid Injection is Required

[^] C = 208-230/3/60, D = 460/3/60, E = 575/3/60

A1 PERFORMANCE DATA – R-448A/R-449A

Medium Temperature - Dual Frascold Compressor Models

R-448A/R-449A		Capacity BTUH @ 110°F Ambient by SST								
Model	Compressor	40°F	35°F	30°F	25°F	20°F	15°F	10°F	0°F	-10°F
ACD0300M^AFX	S15-52Y-2NU	—	291,300	261,800	234,100	207,660	183,480	161,440	122,560	90,560
ACD0400M^AFX	S20-56Y-2NU	—	—	292,780	263,020	235,200	208,920	184,480	142,120	106,860
ACD0440M^AFX	V20-59Y-2NU	—	—	302,820	272,480	243,980	217,060	191,780	147,460	110,220
ACD0500M^AFX	V25-71Y-2NU	—	—	—	—	296,520	265,640	235,860	183,420	139,360
ACD0600M^AFX	V30-84Y-2NU	—	—	442,860	400,540	359,900	322,320	286,500	223,840	170,840
ACD0660M^AFX	V35-103Y-2NU	—	—	—	—	433,680	391,160	350,300	277,440	214,840
ACD0700M^AFX	Z35-106Y-2NU	—	—	—	493,780	444,580	397,200	352,520	273,740	207,000
ACD0800M^AFX	Z40-126Y-2NU	—	—	641,000	580,840	523,960	469,660	419,020	328,380	251,320
ACD1100M^AFX	Z50-154Y-2NU	—	—	—	—	640,460	578,380	517,980	408,380	313,960

Notes:

HEAD FAN REQUIRED FOR ALL OPERATING CONDITIONS

Liquid Injection is Required

^ C = 208-230/3/60, D = 460/3/60, E = 575/3/60

A1 PERFORMANCE DATA – R-407A/R-407F

Medium Temperature - Dual Frascol® Compressor Models

R-407A/R-407F		Capacity BTUH @ 90°F Ambient by SST								
Model	Compressor	40°F	35°F	30°F	25°F	20°F	15°F	10°F	0°F	-10°F
ACD0300M [^] AFX	S15-52Y-2NU	389,160	353,820	320,020	288,040	258,140	230,220	204,000	158,200	119,480
ACD0400M [^] AFX	S20-56Y-2NU	424,880	386,300	350,260	316,060	283,920	254,080	226,140	176,500	134,500
ACD0440M [^] AFX	V20-59Y-2NU	434,380	394,840	357,740	322,620	289,880	258,760	230,020	178,420	134,520
ACD0500M [^] AFX	V25-71Y-2NU	509,960	466,120	423,140	383,080	344,860	308,980	275,320	213,960	161,400
ACD0600M [^] AFX	V30-84Y-2NU	644,760	588,200	533,860	482,160	433,960	388,340	345,700	269,940	205,180
ACD0660M [^] AFX	V35-103Y-2NU	753,160	688,280	625,140	566,140	510,240	458,220	408,740	320,040	244,340
ACD0700M [^] AFX	Z35-106Y-2NU	788,640	719,160	654,740	591,400	532,440	477,680	425,580	332,260	252,760
ACD0800M [^] AFX	Z40-126Y-2NU	946,800	866,240	788,340	713,980	644,320	577,760	514,860	402,800	306,640
ACD1100M [^] AFX	Z50-154Y-2NU	1,127,980	1,034,200	941,480	855,280	772,840	694,900	621,820	487,740	371,420

R-407A/R-407F		Capacity BTUH @ 95°F Ambient by SST								
Model	Compressor	40°F	35°F	30°F	25°F	20°F	15°F	10°F	0°F	-10°F
ACD0300M [^] AFX	S15-52Y-2NU	372,580	338,720	306,260	275,500	246,800	219,780	194,700	150,620	113,160
ACD0400M [^] AFX	S20-56Y-2NU	407,340	370,320	335,700	302,800	271,840	243,140	216,320	168,340	127,820
ACD0440M [^] AFX	V20-59Y-2NU	416,120	378,240	342,580	308,820	277,300	247,020	219,340	169,840	127,440
ACD0500M [^] AFX	V25-71Y-2NU	487,880	445,960	404,720	366,180	329,660	295,560	262,700	203,860	152,940
ACD0600M [^] AFX	V30-84Y-2NU	618,720	564,480	512,320	462,660	416,200	371,960	331,140	258,100	195,500
ACD0660M [^] AFX	V35-103Y-2NU	722,120	660,000	599,420	542,740	488,840	438,900	391,240	305,660	232,520
ACD0700M [^] AFX	Z35-106Y-2NU	755,820	689,280	626,280	566,700	510,000	457,280	406,960	317,060	240,280
ACD0800M [^] AFX	Z40-126Y-2NU	908,560	831,200	756,240	684,700	617,440	553,020	492,600	384,540	291,300
ACD1100M [^] AFX	Z50-154Y-2NU	1,078,840	990,380	902,280	819,400	740,120	665,000	594,140	464,660	352,760

R-407A/R-407F		Capacity BTUH @ 100°F Ambient by SST								
Model	Compressor	40°F	35°F	30°F	25°F	20°F	15°F	10°F	0°F	-10°F
ACD0300M [^] AFX	S15-52Y-2NU	356,040	323,600	292,540	263,360	235,160	209,480	185,580	143,000	106,900
ACD0400M [^] AFX	S20-56Y-2NU	389,820	354,340	321,140	289,580	260,140	231,880	206,140	160,200	121,140
ACD0440M [^] AFX	V20-59Y-2NU	397,960	361,640	327,460	295,060	264,680	235,780	209,000	161,320	120,400
ACD0500M [^] AFX	V25-71Y-2NU	465,840	425,760	386,360	349,420	314,420	281,260	249,860	193,520	144,500
ACD0600M [^] AFX	V30-84Y-2NU	592,780	540,800	490,680	443,120	398,480	356,240	316,640	246,240	185,800
ACD0660M [^] AFX	V35-103Y-2NU	691,100	631,780	573,760	519,420	467,720	419,640	373,220	291,300	220,760
ACD0700M [^] AFX	Z35-106Y-2NU	722,960	659,380	599,160	542,020	487,660	436,960	388,240	301,900	227,840
ACD0800M [^] AFX	Z40-126Y-2NU	870,280	796,160	724,220	655,400	589,800	528,580	470,740	366,040	276,100
ACD1100M [^] AFX	Z50-154Y-2NU	—	947,520	863,160	783,680	707,500	635,300	567,020	441,960	334,140

Notes:

[^] C = 208-230/3/60, D = 460/3/60, E = 575/3/60

A1 PERFORMANCE DATA – R-407A/R-407F

Medium Temperature - Dual Frascold Compressor Models

R-407A/R-407F		Capacity BTUH @ 110°F Ambient by SST								
Model	Compressor	40°F	35°F	30°F	25°F	20°F	15°F	10°F	0°F	-10°F
ACD0300M [^] AFX	S15-52Y-2NU	—	293,540	265,100	238,380	212,940	188,920	167,060	127,800	94,360
ACD0400M [^] AFX	S20-56Y-2NU	—	—	292,180	263,220	236,140	210,480	186,360	143,980	107,640
ACD0440M [^] AFX	V20-59Y-2NU	—	—	297,460	267,760	239,740	213,180	188,420	144,400	106,320
ACD0500M [^] AFX	V25-71Y-2NU	—	—	—	316,060	284,100	254,040	225,220	172,980	127,560
ACD0600M [^] AFX	V30-84Y-2NU	—	—	447,840	404,780	363,100	324,140	287,620	222,540	166,260
ACD0660M [^] AFX	V35-103Y-2NU	—	—	—	473,020	425,620	381,400	338,940	263,180	197,420
ACD0700M [^] AFX	Z35-106Y-2NU	—	—	—	492,960	443,900	396,560	352,140	272,220	203,160
ACD0800M [^] AFX	Z40-126Y-2NU	—	—	—	597,300	537,340	479,860	426,340	329,780	246,280
ACD1100M [^] AFX	Z50-154Y-2NU	—	—	—	—	643,040	576,220	513,440	397,780	297,920

Notes:

HEAD FAN REQUIRED FOR ALL OPERATING CONDITIONS

[^] C = 208-230/3/60, D = 460/3/60, E = 575/3/60

A1 PERFORMANCE DATA – R-407C

Medium Temperature - Dual Frascol® Compressor Models

R-407C		Capacity BTUH @ 90°F Ambient by SST								
Model	Compressor	40°F	35°F	30°F	25°F	20°F	15°F	10°F	0°F	-10°F
ACD0300M [^] AFX	S15-52Y-2NU	359,620	325,560	293,380	263,240	235,300	209,200	185,280	142,440	105,960
ACD0400M [^] AFX	S20-56Y-2NU	395,840	359,480	325,520	293,460	263,400	235,580	209,500	162,720	122,160
ACD0440M [^] AFX	V20-59Y-2NU	390,100	352,860	318,020	285,140	254,580	225,580	198,840	151,500	111,180
ACD0500M [^] AFX	V25-71Y-2NU	462,800	420,260	380,120	342,200	306,680	273,960	243,120	189,140	143,800
ACD0600M [^] AFX	V30-84Y-2NU	593,880	538,900	486,520	437,560	391,140	348,500	308,300	238,040	177,900
ACD0660M [^] AFX	V35-103Y-2NU	694,840	629,620	568,860	511,380	457,440	407,580	360,860	278,100	208,120
ACD0700M [^] AFX	Z35-106Y-2NU	710,880	644,960	582,040	522,700	467,740	415,800	368,620	286,000	217,280
ACD0800M [^] AFX	Z40-126Y-2NU	852,940	775,640	701,140	631,060	563,640	500,980	442,180	337,920	248,720
ACD1100M [^] AFX	Z50-154Y-2NU	1,024,040	931,740	841,600	757,300	677,600	603,360	532,920	407,560	300,460

R-407C		Capacity BTUH @ 95°F Ambient by SST								
Model	Compressor	40°F	35°F	30°F	25°F	20°F	15°F	10°F	0°F	-10°F
ACD0300M [^] AFX	S15-52Y-2NU	347,180	314,040	282,620	253,500	225,760	200,500	177,220	135,380	—
ACD0400M [^] AFX	S20-56Y-2NU	380,840	346,380	313,120	282,260	253,260	226,360	200,960	155,880	116,420
ACD0440M [^] AFX	V20-59Y-2NU	375,400	339,360	305,680	273,840	244,180	216,360	190,520	144,480	105,420
ACD0500M [^] AFX	V25-71Y-2NU	446,560	405,440	366,920	330,380	296,140	264,520	235,000	182,860	—
ACD0600M [^] AFX	V30-84Y-2NU	572,120	518,920	468,220	420,800	375,520	334,180	295,520	227,340	169,080
ACD0660M [^] AFX	V35-103Y-2NU	666,700	603,700	545,100	489,660	437,660	389,640	344,480	265,340	198,560
ACD0700M [^] AFX	Z35-106Y-2NU	682,540	619,140	558,520	501,400	448,440	398,500	353,200	273,880	208,140
ACD0800M [^] AFX	Z40-126Y-2NU	817,840	743,640	672,160	604,820	539,860	479,900	423,000	322,640	236,480
ACD1100M [^] AFX	Z50-154Y-2NU	985,160	894,840	809,540	728,100	651,040	579,140	511,020	390,000	285,880

R-407C		Capacity BTUH @ 100°F Ambient by SST								
Model	Compressor	40°F	35°F	30°F	25°F	20°F	15°F	10°F	0°F	-10°F
ACD0300M [^] AFX	S15-52Y-2NU	335,660	303,320	272,700	244,180	217,240	192,460	169,700	128,820	—
ACD0400M [^] AFX	S20-56Y-2NU	365,820	332,100	300,640	270,960	243,000	216,840	192,500	148,920	110,720
ACD0440M [^] AFX	V20-59Y-2NU	360,760	326,060	293,360	262,660	234,020	207,000	182,160	137,560	99,740
ACD0500M [^] AFX	V25-71Y-2NU	430,600	391,120	354,000	318,880	285,940	255,400	226,880	176,880	—
ACD0600M [^] AFX	V30-84Y-2NU	550,320	498,940	449,960	404,020	360,400	320,240	283,100	216,780	160,280
ACD0660M [^] AFX	V35-103Y-2NU	638,460	577,820	521,360	467,960	418,520	371,200	328,320	252,480	189,000
ACD0700M [^] AFX	Z35-106Y-2NU	654,560	593,600	535,300	480,100	429,220	381,920	338,060	262,100	199,320
ACD0800M [^] AFX	Z40-126Y-2NU	782,540	711,480	642,920	578,320	516,120	458,100	403,800	307,300	224,000
ACD1100M [^] AFX	Z50-154Y-2NU	947,300	860,360	778,040	699,440	625,640	555,460	490,060	372,600	271,720

Notes:

HEAD FAN REQUIRED FOR ALL OPERATING CONDITIONS

Liquid Injection is Required

[^] C = 208-230/3/60, D = 460/3/60, E = 575/3/60

A1 PERFORMANCE DATA – R-407C

Medium Temperature - Dual Frascold Compressor Models

R-407C		Capacity BTUH @ 110°F Ambient by SST								
Model	Compressor	40°F	35°F	30°F	25°F	20°F	15°F	10°F	0°F	-10°F
ACD0300M^AFX	S15-52Y-2NU	315,880	285,120	256,040	228,560	202,940	179,200	157,280	118,040	84,260
ACD0400M^AFX	S20-56Y-2NU	335,480	305,020	275,500	248,100	222,420	198,180	175,540	134,720	99,040
ACD0440M^AFX	V20-59Y-2NU	331,960	299,780	269,560	240,960	214,020	188,960	165,880	—	88,720
ACD0500M^AFX	V25-71Y-2NU	—	—	329,160	296,800	266,620	238,300	212,120	165,780	—
ACD0600M^AFX	V30-84Y-2NU	507,240	459,480	413,480	370,680	330,380	292,400	257,780	195,860	142,880
ACD0660M^AFX	V35-103Y-2NU	—	526,260	474,080	424,840	378,820	336,020	296,100	227,260	170,120
ACD0700M^AFX	Z35-106Y-2NU	—	543,160	489,680	439,800	392,420	349,220	308,820	239,620	182,760
ACD0800M^AFX	Z40-126Y-2NU	712,560	647,620	584,900	525,380	468,700	415,200	365,820	276,460	199,380
ACD1100M^AFX	Z50-154Y-2NU	—	—	716,580	643,700	575,040	509,340	448,640	339,360	244,920

Notes:

HEAD FAN REQUIRED FOR ALL OPERATING CONDITIONS

Liquid Injection is Required

^ C = 208-230/3/60, D = 460/3/60, E = 575/3/60

A1 UNIT SPECIFICATIONS

Medium & Low Temperature - Dual Frascold Compressor Models

Model	Compressor	Refrigerant Line Connections (OD)				Rec. Capacity @90% full (lbs)		Condenser Fan Data		Dimensions (In.)			Net Wt.
		Standard (2 Each)		Parallel Piped		Standard (2 Each)	Parallel Piped	No. Fans	Dia.	Length	Width	Height	(lbs.)
		Liquid	Suction	Liquid	Suction								
ACD0260L^AFX	V15-59Y-2NU	1-1/8	2-1/8	1-3/8	3-1/8	123	269	4	30"	176.35	91.5	59.4	4,412
ACD0300L^AFX	V15-71Y-2NU	1-1/8	2-1/8	1-3/8	3-1/8	123	269	4	30"	176.35	91.5	59.4	4,421
ACD0400L^AFX	V20-84Y-2NU	1-1/8	2-1/8	1-3/8	3-1/8	123	269	4	30"	176.35	91.5	59.4	4,429
ACD0440L^AFX	V25-103Y-2NU	1-1/8	2-1/8	1-3/8	3-1/8	123	269	4	30"	176.35	91.5	59.4	4,403
ACD0500L^AFX	Z25-106Y-2NU	1-1/8	2-1/8	1-3/8	3-1/8	123	269	4	30"	176.35	91.5	59.4	4,458
ACD0600L^AFX	Z30-126Y-2NU	1-1/8	2-1/8	1-3/8	3-1/8	123	269	4	30"	176.35	91.5	59.4	4,458
ACD0800L^AFX	Z40-154Y-2NU	1-1/8	2-1/8	1-5/8	3-1/8	188	363	6	30"	229.4	91.5	59.4	5,700
ACD0300M^AFX	S15-52Y-2NU	1-1/8	1-5/8	1-3/8	2-5/8	123	269	4	30"	176.35	91.5	59.4	4,157
ACD0400M^AFX	S20-56Y-2NU	1-1/8	2-1/8	1-3/8	2-5/8	123	269	4	30"	176.35	91.5	59.4	4,166
ACD0440M^AFX	V20-59Y-2NU	1-1/8	2-1/8	1-3/8	2-5/8	123	269	4	30"	176.35	91.5	59.4	4,171
ACD0500M^AFX	V25-71Y-2NU	1-1/8	2-1/8	1-3/8	2-5/8	123	269	4	30"	176.35	91.5	59.4	4,184
ACD0600M^AFX	V30-84Y-2NU	1-1/8	2-1/8	1-5/8	3-1/8	188	363	6	30"	229.4	91.5	59.4	5,191
ACD0660M^AFX	V35-103Y-2NU	1-1/8	2-1/8	1-5/8	3-1/8	188	363	6	30"	229.4	91.5	59.4	5,180
ACD0700M^AFX	Z35-106Y-2NU	1-1/8	2-1/8	1-5/8	3-1/8	188	363	6	30"	229.4	91.5	59.4	5,236
ACD0800M^AFX	Z40-126Y-2NU	1-1/8	2-1/8	1-5/8	3-1/8	188	363	8	30"	282.5	91.5	60.4	7,023
ACD1100M^AFX	Z50-154Y-2NU	1-1/8	2-1/8	1-5/8	3-1/8	188	363	8	30"	282.5	91.5	60.4	7,019

Notes:

^ C = 208-230/3/60, D = 460/3/60

A1 ELECTRICAL DATA

Low Temperature - Dual Frascold Compressor Models/208-230V

Model	Compressor	Condensing Unit						Remote Loads							
		Compressor		Condenser		Air Defrost		2 Contactors				1 Contactor			
		RLA (Each)	LRA (Each)	No. Fans	FLA (Total)	MCA	MOPD	Evap. Fan Amps	Defrost Htrs. Amps	Electric Defrost		Evap. Fan Amps	Defrost Htrs. Amps	Electric Defrost	
										MCA	MOPD			MCA	MOPD
ACD0260LCAFX	V15-59Y-2NU	62.8	248.0	4	26.4	167.7	225.0	22	64	211.7	250.0	15	48	197.7	250.0
ACD0300LCAFX	V15-71Y-2NU	66.7	248.0	4	26.4	176.5	225.0	25	83	226.5	250.0	15	48	206.5	250.0
ACD0400LCAFX	V20-84Y-2NU	63.5	367.0	4	26.4	169.3	225.0	25	105	236.3	250.0	15	48	199.3	250.0
ACD0440LCAFX	V25-103Y-2NU	92.3	415.0	4	26.4	234.1	300.0	25	105	284.1	300.0	15	48	264.1	300.0
ACD0500LCAFX	Z25-106Y-2NU	71.8	415.0	4	26.4	188.0	250.0	25	106	238.5	300.0	20	96	228.0	250.0
ACD0600LCAFX	Z30-126Y-2NU	86.5	462.0	4	26.4	221.0	300.0	30	159.1	358.0	400.0	20	96	261.0	300.0
ACD0800LCAFX	Z40-154Y-2NU	124.4	520.0	6	39.6	319.5	400.0	30	159.1	379.5	400.0	20	96	359.5	400.0

Low Temperature - Dual Frascold Compressor Models/460V

Model	Compressor	Condensing Unit						Remote Loads							
		Compressor		Condenser		Air Defrost		2 Contactors				1 Contactor			
		RLA (Each)	LRA (Each)	No. Fans	FLA (Total)	MCA	MOPD	Evap. Fan Amps	Defrost Htrs. Amps	Electric Defrost		Evap. Fan Amps	Defrost Htrs. Amps	Electric Defrost	
										MCA	MOPD			MCA	MOPD
ACD0260LDAFX	V15-59Y-2NU	29.5	121.0	4	13.2	79.6	100.0	15	38	109.6	125.0	10	24	99.6	125.0
ACD0300LDAFX	V15-71Y-2NU	35.3	121.0	4	13.2	92.6	125.0	15	48	122.6	150.0	15	40	122.6	150.0
ACD0400LDAFX	V20-84Y-2NU	31.4	184.0	4	13.2	83.9	100.0	15	56.8	127.8	150.0	15	48	113.9	125.0
ACD0440LDAFX	V25-103Y-2NU	43.6	207.0	4	13.2	111.3	150.0	15	56.8	141.3	150.0	15	48	141.3	150.0
ACD0500LDAFX	Z25-106Y-2NU	38.5	207.0	4	13.2	99.8	125.0	15	64	144.0	150.0	15	48	129.8	150.0
ACD0600LDAFX	Z30-126Y-2NU	42.9	231.0	4	13.2	109.7	150.0	20	76	171.0	175.0	15	48	139.7	150.0
ACD0800LDAFX	Z40-154Y-2NU	59.6	260.0	6	19.8	153.9	200.0	20	76	193.9	250.0	15	48	183.9	225.0

Notes:

MCA = Minimum Circuit Ampacity

MOP = Maximum Overcurrent Protection

Ratings shown at 60Hz.

intelliGen™ and Air Defrost Units do not carry any of the evaporator fan or heater loads.

Power is supplied directly to the evaporators and does not go through the condensing unit.

An evaporator heater hold out relay (option) is recommended when two or more evaporators are connected to a single condensing unit to allow termination on coils that have already defrosted to prevent unnecessary steaming. This option is not needed on intelliGen™ systems wired for a Master / Slave operation.

Mounted Electric Defrost Kits for condensing units include:

Defrost timer, Spring terminals, (1) evaporator fan contactor and:

One (1) defrost heater contactor for 1L and 1H codes

Two (2) defrost heater contactors for 2L and 2H codes

Four (4) defrost heater contactors for 4L and 4H codes

Power is supplied to each intelliGen™ evaporator volt electrical specification.

Each coil terminates its own defrost. Refrigeration will not start until all coils have terminated defrost.

Contact factory for 575 volt electrical specification

A1 ELECTRICAL DATA

Medium Temperature - Dual Frascold Compressor Models/208-230V

Model	Compressor	Condensing Unit						Remote Loads							
		Compressor		Condenser		Air Defrost		2 Contactors				1 Contactor			
		RLA (Each)	LRA (Each)	No. Fans	FLA (Total)	MCA	MOPD	Evap. Fan Amps	Defrost Htrs. Amps	Electric Defrost		Evap. Fan Amps	Defrost Htrs. Amps	Electric Defrost	
										MCA	MOPD			MCA	MOPD
ACD0300MCAFX	S15-52Y-2NU	67.3	231	4	26.4	177.8	225	25	96	227.8	250	25	96	227.8	250
ACD0400MCAFX	S20-56Y-2NU	73.1	293	4	26.4	190.9	250	25	96	240.9	300	25	96	240.9	300
ACD0440MCAFX	V20-59Y-2NU	69.2	367	4	26.4	182.1	250	25	108	243.0	300	20	96	222.1	250
ACD0500MCAFX	V25-71Y-2NU	73.7	415	4	26.4	192.2	250	30	136.4	306.9	350	—	—	—	—
ACD0600MCAFX	V30-84Y-2NU	96.8	462	6	39.6	257.4	350	—	—	—	—	—	—	—	—
ACD0660MCAFX	V35-103Y-2NU	108.3	507	6	39.6	283.3	350	—	—	—	—	—	—	—	—
ACD0700MCAFX	Z35-106Y-2NU	107.7	507	6	39.6	281.9	350	—	—	—	—	—	—	—	—
ACD0800MCAFX	Z40-126Y-2NU	136.5	520	8	52.8	359.9	400	—	—	—	—	—	—	—	—
ACD1100MCAFX	Z50-154Y-2NU	167.3	603	8	52.8	429.2	500	—	—	—	—	—	—	—	—

Medium Temperature - Dual Frascold Compressor Models/460V

Model	Compressor	Condensing Unit						Remote Loads							
		Compressor		Condenser		Air Defrost		2 Contactors				1 Contactor			
		RLA (Each)	LRA (Each)	No. Fans	FLA (Total)	MCA	MOPD	Evap. Fan Amps	Defrost Htrs. Amps	Electric Defrost		Evap. Fan Amps	Defrost Htrs. Amps	Electric Defrost	
										MCA	MOPD			MCA	MOPD
ACD0300MDAFX	S15-52Y-2NU	32.7	113	4	13.2	86.8	100	15	56.8	127.8	150	15	48	116.8	125
ACD0400MDAFX	S20-56Y-2NU	36.5	143	4	13.2	95.3	125	15	56.8	127.8	150	15	48	125.3	150
ACD0440MDAFX	V20-59Y-2NU	35.3	184	4	13.2	92.6	125	15	56.8	127.8	150	15	48	122.6	150
ACD0500MDAFX	V25-71Y-2NU	36.5	207	4	13.2	95.3	125	20	67	150.8	175	15	68.2	153.5	175
ACD0600MDAFX	V30-84Y-2NU	48.1	231	6	19.8	128.0	175	20	77	173.3	200	20	77	173.3	200
ACD0660MDAFX	V35-103Y-2NU	55.8	253	6	19.8	145.4	200	20	77	185.4	225	20	77	185.4	200
ACD0700MDAFX	Z35-106Y-2NU	53.2	253	6	19.8	139.5	175	20	84	189.0	225	20	84	189.0	225
ACD0800MDAFX	Z40-126Y-2NU	68.6	260	8	26.4	180.8	225	20	96	220.8	250	20	96	220.8	250
ACD1100MDAFX	Z50-154Y-2NU	89.7	302	8	26.4	228.2	300	20	96	268.2	350	20	96	268.2	350

Notes:

MCA = Minimum Circuit Ampacity

MOP = Maximum Overcurrent Protection

Ratings shown at 60Hz.

intelliGen™ and Air Defrost Units do not carry any of the evaporator fan or heater loads.

Power is supplied directly to the evaporators and does not go through the condensing unit.

An evaporator heater hold out relay (option) is recommended when two or more evaporators are connected to a single condensing unit to allow termination on coils that have already defrosted to prevent unnecessary steaming. This option is not needed on intelliGen™ systems wired for a Master / Slave operation.

Mounted Electric Defrost Kits for condensing units include:

Defrost timer, Spring terminals, (1) evaporator fan contactor and:

One (1) defrost heater contactor for 1L and 1H codes

Two (2) defrost heater contactors for 2L and 2H codes

Four (4) defrost heater contactors for 4L and 4H codes

Power is supplied to each intelliGen™ evaporator volt electrical specification.

Each coil terminates its own defrost. Refrigeration will not start until all coils have terminated defrost.

Contact factory for 575 volt electrical specification

A2L AWEF DATA – LOW TEMPERATURE

Copeland Dual Compressor Models - Outdoor Parallel Piped

If model has a numerical value in the table below, the following statement applies:

This refrigeration system is designed and certified for use in walk-in freezer applications

Model	Outdoor		
	R-454A	R-454C	R-455A
ACP0240L*ACE	—	—	—
ACP0300L*ACE	—	—	—
ACP0440L*ACE	—	—	—
ACP0540L*ACE	—	—	—
ACP0600L*ACE	—	—	—

Notes:

* C = 208-230/3/60, D = 460/3/60

X = model not suitable for this refrigerant

— = model is not DOE AWEF compliant

If model has a numerical value in the table, the following statement applies. "This refrigeration system is designed and certified for use in walk-in cooler applications."

A2L AWEF DATA – MEDIUM TEMPERATURE

Copeland Dual Compressor Models - Outdoor Parallel Piped

If model has a numerical value in the table below, the following statement applies:

This refrigeration system is designed and certified for use in walk-in freezer applications

Model	Outdoor		
	R-454A	R-454C	R-455A
ACP0300M*ACE	7.6	7.6	7.6
ACP0400M*ACE	7.6	7.6	7.6
ACP0500M*ACE	7.6	7.6	7.6
ACP0520M*ACE	7.6	7.6	7.6
ACP0600M*ACE	7.6	7.6	7.6
ACP0700M*ACE	7.6	7.6	7.6
ACP0800M*ACE	7.6	7.6	7.6

Notes:

* C = 208-230/3/60, D = 460/3/60

^ K = 230/3/60, D = 460/3/60

X = model not suitable for this refrigerant

— = model is not DOE AWEF compliant

If model has a numerical value in the table, the following statement applies. "This refrigeration system is designed and certified for use in walk-in cooler applications."

A2L AWEF DATA – LOW TEMPERATURE

Bitzer Dual Compressor Models - Outdoor Parallel Piped

If model has a numerical value in the table below, the following statement applies:

This refrigeration system is designed and certified for use in walk-in freezer applications

Model	Outdoor 230V		
	R-454A	R-454C	R-455A
ACP0260LCABV	X	3.15	—
ACP0300LCABV	X	—	—
ACP0400LCABV	X	—	—
ACP0440LCABV	X	—	—
ACP0500LCABV	X	—	—
ACP0600LCABV	X	—	—
ACP0800LCABV	X	—	—

Model	Outdoor 460V		
	R-454A	R-454C	R-455A
ACP0260LDABV	X	—	—
ACP0300LDABV	X	—	—
ACP0400LDABV	X	—	—
ACP0440LDABV	X	—	—
ACP0500LDABV	X	—	—
ACP0600LDABV	X	—	—
ACP0800LDABV	X	—	—

A2L AWEF DATA – MEDIUM TEMPERATURE

Bitzer Dual Compressor Models - Outdoor Parallel Piped

If model has a numerical value in the table below, the following statement applies:

This refrigeration system is designed and certified for use in walk-in freezer applications

Model	Outdoor		
	R-454A	R-454C	R-455A
ACP0300M*ABV	X	7.6	7.6
ACP0400M*ABV	X	7.6	7.6
ACP0440M*ABV	X	7.6	7.6
ACP0500M*ABV	X	7.6	7.6
ACP0600M*ABV	X	7.6	7.6
ACP0660M*ABV	X	7.6	7.6
ACP0700M*ABV	X	7.6	7.6
ACP0800M*ABV	X	7.6	7.6
ACP0110M*ABV	X	7.6	7.6

Notes:

* C = 208-230/3/60, D = 460/3/60

X = model not suitable for this refrigerant

— = model is not DOE AWEF compliant

If model has a numerical value in the table, the following statement applies. "This refrigeration system is designed and certified for use in walk-in cooler applications."

A1 AWEF DATA – LOW TEMPERATURE

Copeland Dual Compressor Models - Outdoor Parallel Piped

If model has a numerical value in the table below, the following statement applies:

This refrigeration system is designed and certified for use in walk-in freezer applications

Model	Outdoor					
	R-404A/ R-507A	R-448A	R-449A	R-407A	R-407C	R-407F
ACD0240^ACDA1500	3.15	-	-	-	-	-
ACD0300L^ACDA1500	-	3.15	-	-	-	-
ACD0440L^ACDA1500	-	-	-	-	-	-
ACD0540L^ACDA1500	-	-	-	-	-	-
ACD0600L^ACDA1500	-	-	-	-	-	-

A1 AWEF DATA – LOW TEMPERATURE

Bitzer Dual Compressor Models - Outdoor Parallel Piped

If model has a numerical value in the table below, the following statement applies:

This refrigeration system is designed and certified for use in walk-in freezer applications

Model	Outdoor					
	R-404A/ R-507A	R-448A	R-449A	R-407A	R-407C	R-407F
ACD0240L^ACDA1500	3.15	-	-	-	-	-
ACD0300L^ABXA1500	3.15	3.15	3.15	X	3.15	-
ACD0400L^ABXA1500	3.15	-	3.15	X	3.15	-
ACD0440L^ABXA1500	3.15	-	3.15	X	3.15	-
ACD0500L^ABXA1500	3.15	-	3.15	X	3.15	-
ACD0600L^ABXA1500	-	-	-	X	3.15	-
ACD0800L^ABXA1500	-	-	-	X	-	-

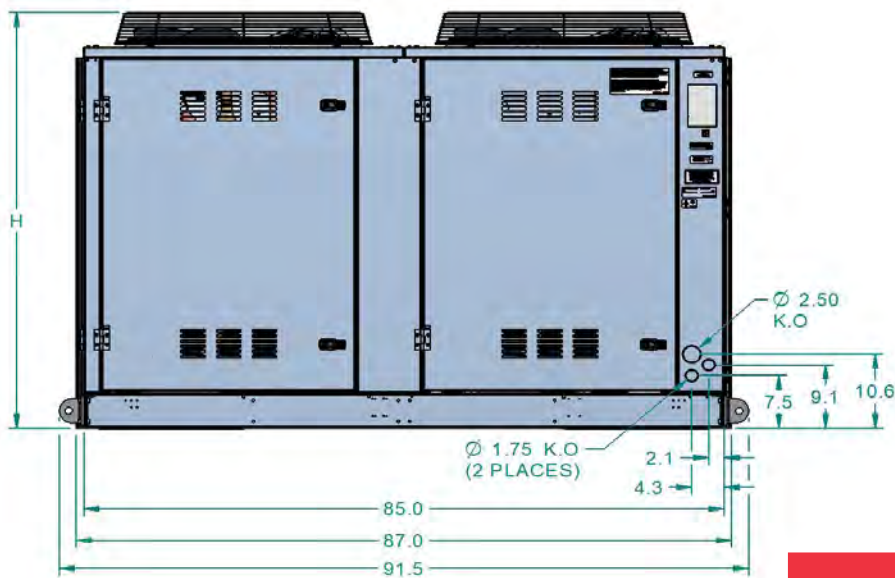
Notes:

^ C = 208-230/3/60, D = 460/3/60, E = 575/3/60

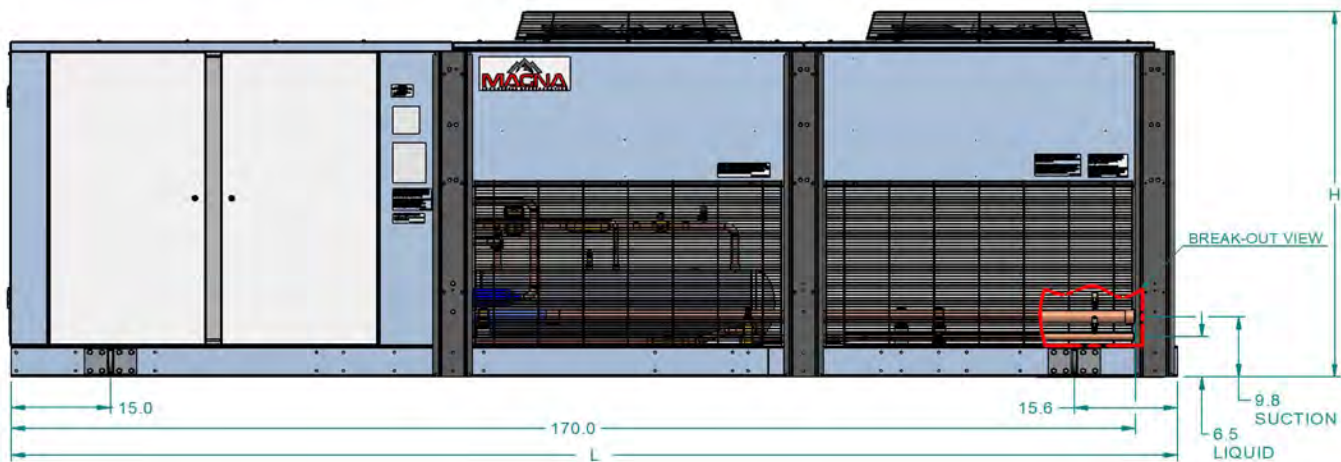
X = model not suitable for this refrigerant

— = model is not DOE AWEF compliant

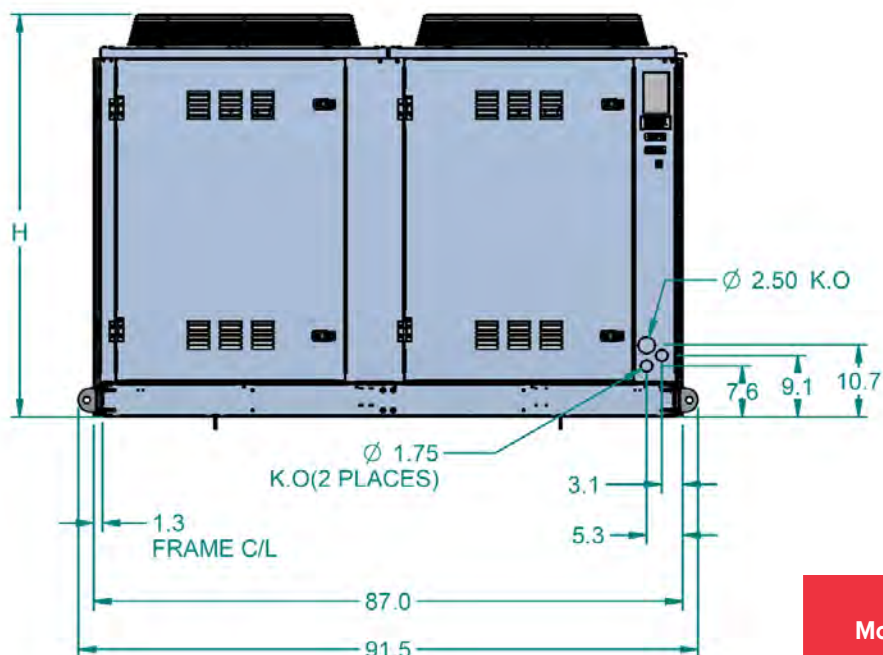
A2L DIMENSIONAL DRAWINGS



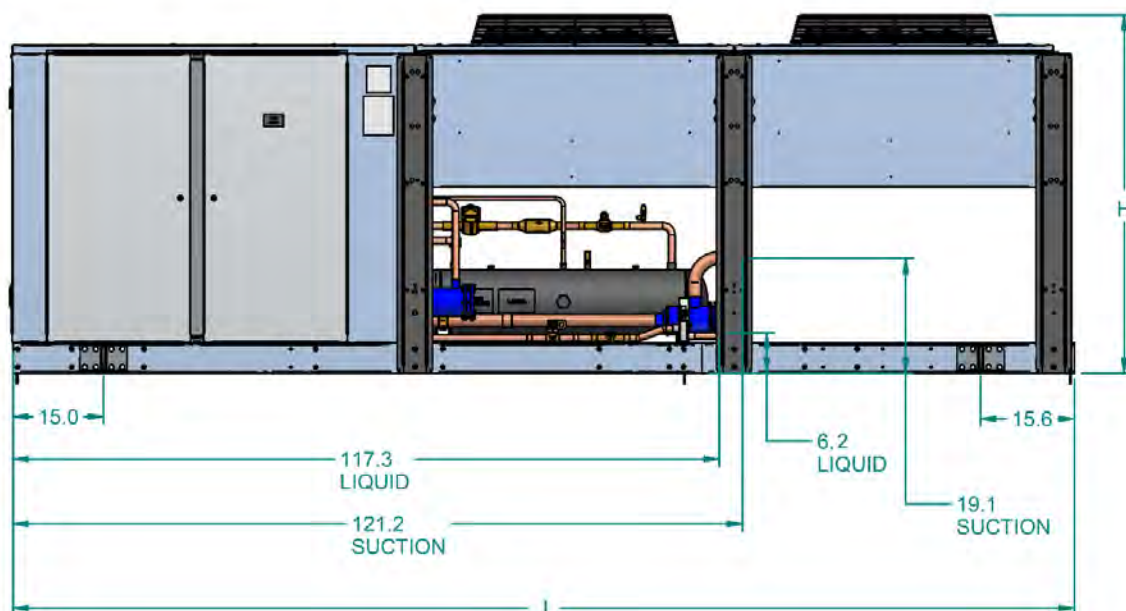
Model	Fan	Dimensions	
		Length (L)	Height (H)
ACD* / ACP*	2	176.35	59.5
	3	229.4	59.5
	4	282.5	61.5



A1 DIMENSIONAL DRAWINGS



Model	Fan	Dimensions	
		Length (L)	Height (H)
ACD* / ACP*	4	176.35	59.5
	6	229.4	59.5
	8	282.5	60.5



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2175 West Park Place Blvd.

Stone Mountain, GA 30087

Phone: 800.537.7775 · Fax: 770.465.5900

heatcrafttrpd.com

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

DVCUHD-0625 | Version 006

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