

HEAVY-DUTY VERTICAL AIR-COOLED CONDENSING UNITS

Technical Guide





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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

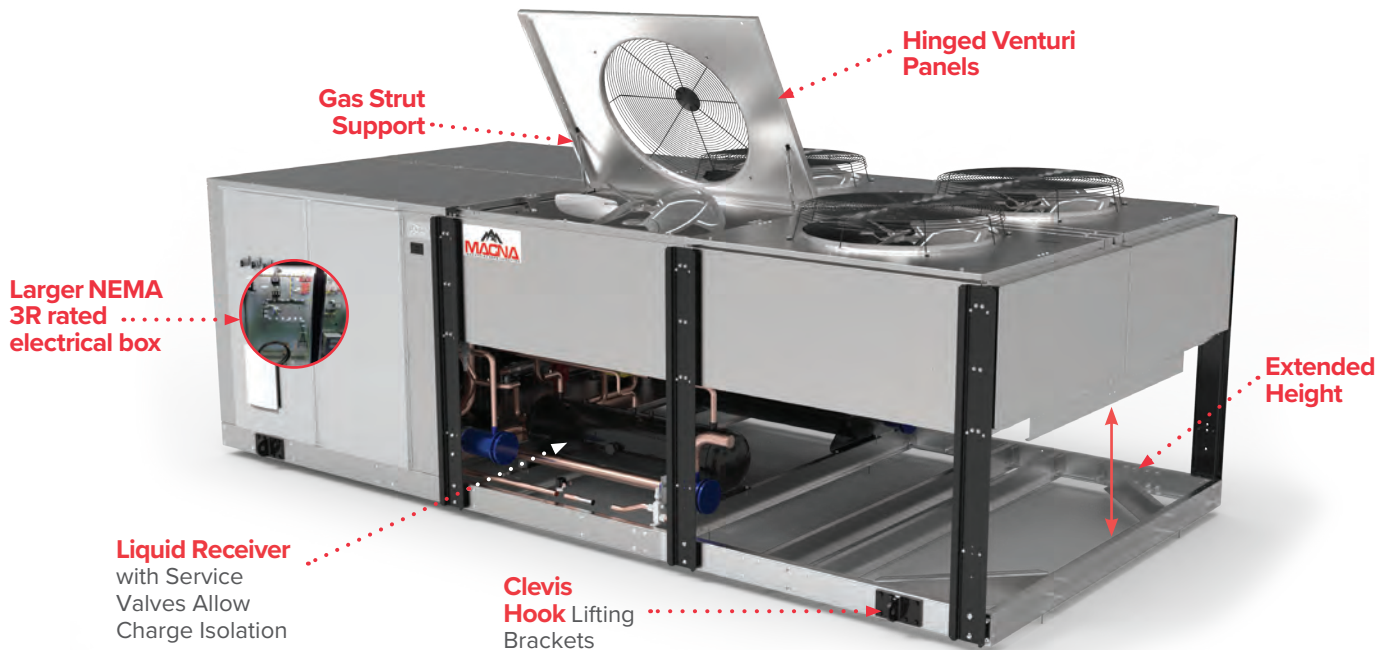
ADDITIONAL STANDARD FEATURES FOR PARALLEL PIPED UNITS

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

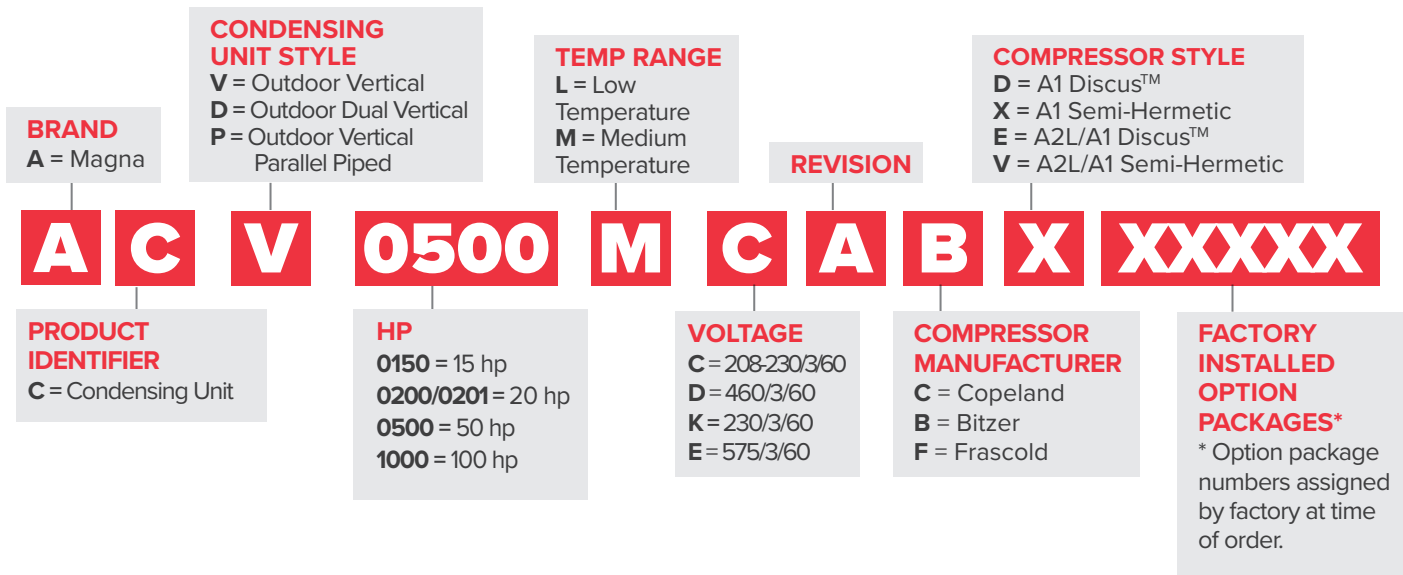
A2L FEATURES AND OPTIONS

- 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

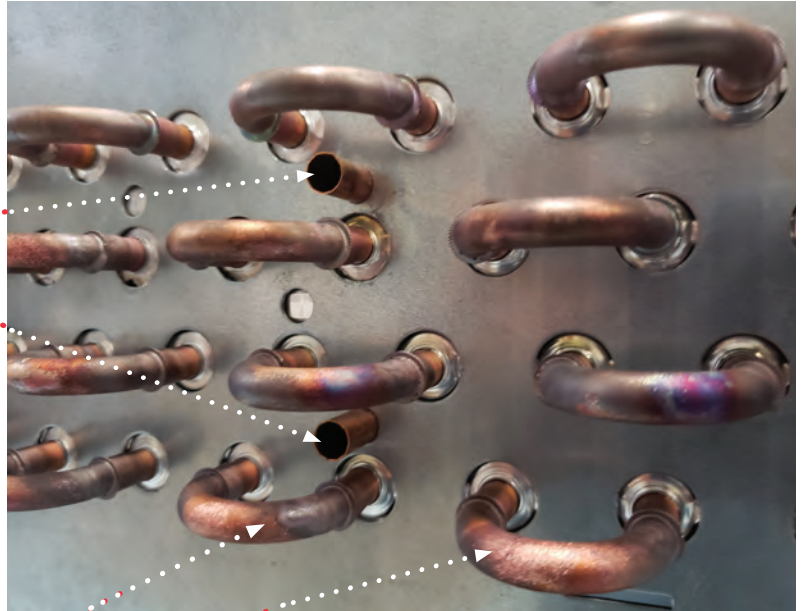
Option	Outdoor
Replacable Core Liquid Line Filter Drier and Sight Glass	Option
Liquid Line Filter Drier, Sight Glass, and Solenoid Valve	Option
Suction Line Filter	Option
Replacable Core Suction Line Filter	Option
Suction Standard Accumulator and Boil Out Accumulator	Option
Suction Line Insulation	Option
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

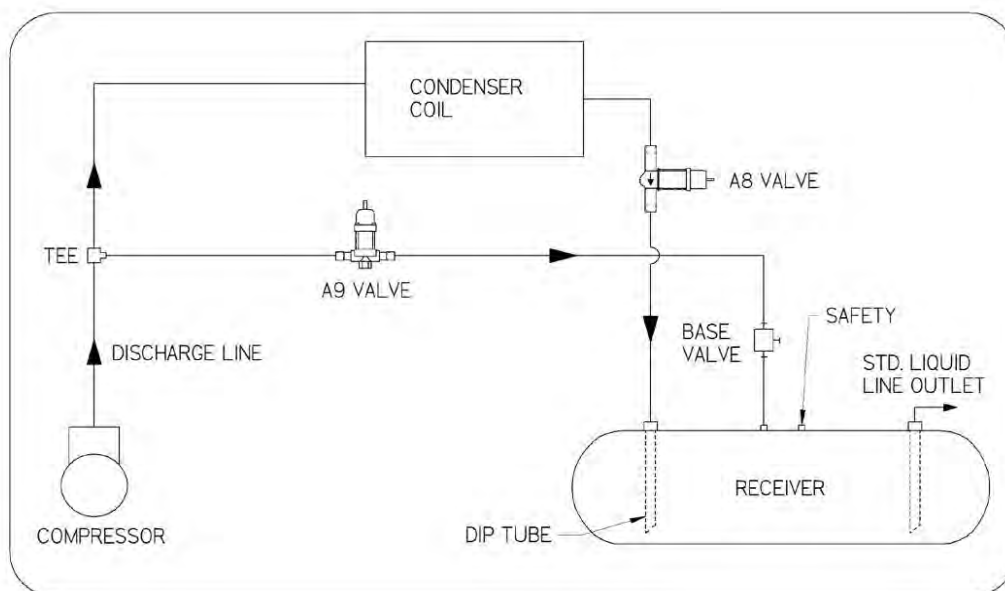
- Automatic year round control of refrigerant head pressure without the use of special expansion valves.
- Energy savings in mild ambient conditions due to reduced compressor discharge pressure and refrigerant subcooling.
- Provides easy restart during low ambient conditions.

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 COPELAND DISCUS™ COMPRESSORS

A2L PERFORMANCE DATA – R-454A

Low Temperature Models - Copeland Discus™ Compressors

Please consult AWEF table on page 106 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
ACV0120L^ACE	4YBNF40KE	105,480	93,210	81,800	71,220	61,470	52,610	44,660	37,550	31,320
ACV0150L^ACE	4YHNF46KE	121,120	107,150	94,200	82,090	70,940	60,780	51,640	43,470	36,290
ACV0220L^ACE	4YJNF59KE	147,900	131,190	115,480	100,820	87,390	75,110	64,080	54,210	45,550
ACV0270L^ACE	6YHNF68KE	172,750	153,630	135,410	118,480	102,800	88,490	75,510	63,880	53,590
ACV0300L^ACE	6YJNF84KE	206,960	184,730	163,550	143,500	124,920	107,750	92,230	78,350	66,100
ACV0400LDACE	6YUNF10ME	257,090	228,180	201,210	175,850	152,600	131,410	112,400	95,390	80,460

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
ACV0120L^ACE	4YBNF40KE	101,560	89,690	78,640	68,420	58,990	50,410	42,710	35,840	29,830
ACV0150L^ACE	4YHNF46KE	116,680	103,230	90,620	78,900	68,100	58,250	49,400	41,480	34,530
ACV0220L^ACE	4YJNF59KE	142,540	126,270	111,060	96,940	83,910	72,020	61,360	51,830	43,470
ACV0270L^ACE	6YHNF68KE	166,390	147,780	130,270	113,860	98,730	84,860	72,310	61,020	51,050
ACV0300L^ACE	6YJNF84KE	199,360	177,840	157,350	137,970	119,910	103,320	88,400	74,950	63,110
ACV0400LDACE	6YUNF10ME	247,820	219,890	193,750	169,210	146,720	126,190	107,740	91,320	76,860

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
ACV0120L^ACE	4YBNF40KE	97,620	86,160	75,530	65,610	56,500	48,210	40,780	34,150	28,340
ACV0150L^ACE	4YHNF46KE	112,260	99,230	87,070	75,710	65,260	55,730	47,160	39,500	32,780
ACV0220L^ACE	4YJNF59KE	137,120	121,390	106,700	93,040	80,450	68,970	58,660	49,470	41,420
ACV0270L^ACE	6YHNF68KE	159,750	142,010	125,130	109,290	94,620	81,240	69,120	58,210	48,550
ACV0300L^ACE	6YJNF84KE	---	---	150,950	132,440	115,010	98,980	84,550	71,570	60,160
ACV0400LDACE	6YUNF10ME	238,510	211,660	186,270	162,550	140,840	121,000	103,160	87,240	73,310

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
ACV0120L^ACE	4YBNF40KE	---	79,120	69,220	60,010	51,550	43,850	36,950	30,820	25,450
ACV0150L^ACE	4YHNF46KE	---	91,270	79,920	69,350	59,610	50,740	42,750	35,610	29,340
ACV0220L^ACE	4YJNF59KE	---	---	---	85,290	73,580	62,930	53,360	44,860	37,410
ACV0270L^ACE	6YHNF68KE	---	---	---	---	86,620	74,150	62,840	52,670	43,680
ACV0300L^ACE	6YJNF84KE	---	---	---	---	---	---	76,990	64,950	54,380
ACV0400LDACE	6YUNF10ME	---	---	---	---	129,230	110,720	94,100	79,320	66,350

Notes:

DEMAND COOLING IS REQUIRED FOR ALL APPLICATIONS

^ 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 - Copeland Discus™ Compressors

Please consult AWEF table on page 106 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
ACV0120L [^] ACE	4YBNF40KE	88,820	78,240	68,510	59,510	51,270	43,840	37,230	—	—
ACV0150L [^] ACE	4YHNF46KE	88,800	78,230	68,490	59,480	51,260	43,860	37,230	—	—
ACV0220L [^] ACE	4YJNF59KE	125,550	111,010	97,590	84,990	73,470	63,020	53,650	45,350	38,110
ACV0270L [^] ACE	6YHNF68KE	146,680	130,030	114,340	99,890	86,470	74,280	63,320	53,550	44,990
ACV0300L [^] ACE	6YJNF84KE	177,480	157,740	139,140	121,810	105,750	91,100	77,850	66,080	55,720
ACV0400LDACE	6YUNF10ME	220,290	194,720	171,130	149,260	129,140	110,940	94,740	80,320	67,710

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
ACV0120L [^] ACE	4YBNF40KE	85,510	75,250	65,850	57,150	49,180	42,010	35,630	—	—
ACV0150L [^] ACE	4YHNF46KE	85,490	75,250	65,830	57,130	49,170	42,020	35,630	—	—
ACV0220L [^] ACE	4YJNF59KE	120,860	106,830	93,780	81,640	70,510	60,420	51,400	43,420	36,470
ACV0270L [^] ACE	6YHNF68KE	141,050	124,950	109,820	95,910	82,930	71,200	60,630	51,250	43,050
ACV0300L [^] ACE	6YJNF84KE	170,560	151,470	133,630	116,910	101,380	87,340	74,600	63,290	53,380
ACV0400LDACE	6YUNF10ME	212,340	187,550	164,620	143,540	124,050	106,460	90,820	76,870	64,790

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
ACV0120L [^] ACE	4YBNF40KE	82,180	72,280	63,180	54,760	47,100	40,200	34,070	—	—
ACV0150L [^] ACE	4YHNF46KE	82,160	72,260	63,170	54,770	47,090	40,190	34,060	—	—
ACV0220L [^] ACE	4YJNF59KE	116,170	102,630	90,010	78,300	67,590	57,870	49,180	41,500	34,870
ACV0270L [^] ACE	6YHNF68KE	135,380	119,870	105,350	91,840	79,400	68,120	57,970	48,960	41,140
ACV0300L [^] ACE	6YJNF84KE	—	145,290	128,110	112,000	97,170	83,550	71,370	60,540	51,090
ACV0400LDACE	6YUNF10ME	204,340	180,380	158,290	137,810	118,980	102,010	86,920	73,490	61,870

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
ACV0120L [^] ACE	4YBNF40KE	75,530	66,320	57,870	50,080	42,990	36,630	31,000	—	—
ACV0150L [^] ACE	4YHNF46KE	—	66,310	57,860	50,070	42,980	36,620	30,990	—	—
ACV0220L [^] ACE	4YJNF59KE	—	—	—	71,630	61,730	52,760	44,760	37,740	31,720
ACV0270L [^] ACE	6YHNF68KE	—	—	—	---	72,420	62,050	52,770	44,540	37,460
ACV0300L [^] ACE	6YJNF84KE	—	—	—	---	---	76,170	65,030	55,180	46,660
ACV0400LDACE	6YUNF10ME	—	—	—	126,450	108,950	93,200	79,230	66,860	56,220

Notes:

DEMAND COOLING IS REQUIRED FOR ALL APPLICATIONS

[^] 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 - Copeland Discus™ Compressors

Please consult AWEF table on page 106 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
ACV0120L [^] ACE	4YBNF40KE	91,680	80,570	70,310	60,850	52,210	44,410	37,450	—	—
ACV0150L [^] ACE	4YHNF46KE	106,320	93,620	81,840	70,920	60,920	51,820	—	—	—
ACV0220L [^] ACE	4YJNF59KE	129,640	114,330	100,210	87,070	75,010	64,070	54,270	45,550	—
ACV0270L [^] ACE	6YHNF68KE	151,920	134,230	117,730	102,420	88,340	75,510	63,980	53,660	44,560
ACV0300L [^] ACE	6YJNF84KE	183,460	162,610	143,050	124,750	107,860	92,500	78,690	66,410	55,700
ACV0400LDACE	6YUNF10ME	225,650	199,340	174,820	152,180	131,370	112,470	95,580	80,510	67,440

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
ACV0120L [^] ACE	4YBNF40KE	88,190	77,430	67,500	58,350	50,010	42,470	35,760	—	—
ACV0150L [^] ACE	4YHNF46KE	102,340	90,040	78,630	68,060	58,380	49,570	41,700	—	—
ACV0220L [^] ACE	4YJNF59KE	124,680	109,920	96,250	83,550	71,900	61,330	51,880	43,480	—
ACV0270L [^] ACE	6YHNF68KE	146,090	128,990	113,030	98,260	84,650	72,270	61,140	51,180	42,430
ACV0300L [^] ACE	6YJNF84KE	176,370	156,260	137,410	119,730	103,390	88,570	75,300	63,470	53,210
ACV0400LDACE	6YUNF10ME	217,230	191,830	168,130	146,160	126,030	107,770	91,460	76,970	64,400

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
ACV0120L [^] ACE	4YBNF40KE	84,680	74,280	64,690	55,860	47,820	40,540	34,080	—	—
ACV0150L [^] ACE	4YHNF46KE	98,340	86,460	75,430	65,190	55,840	47,330	39,730	—	—
ACV0220L [^] ACE	4YJNF59KE	119,810	105,560	92,310	80,040	68,790	58,600	49,510	41,430	—
ACV0270L [^] ACE	6YHNF68KE	140,250	123,780	108,410	94,140	80,990	69,070	58,320	48,750	40,350
ACV0300L [^] ACE	6YJNF84KE	—	—	131,760	114,770	99,000	84,720	71,960	60,590	50,760
ACV0400LDACE	6YUNF10ME	208,760	184,160	161,380	140,220	120,770	103,150	87,400	73,460	61,400

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
ACV0120L [^] ACE	4YBNF40KE	—	—	—	50,910	43,460	36,760	30,810	—	—
ACV0150L [^] ACE	4YHNF46KE	—	—	69,030	59,520	50,810	42,920	35,870	—	—
ACV0220L [^] ACE	4YJNF59KE	—	—	—	—	62,680	53,240	44,840	37,420	31,050
ACV0270L [^] ACE	6YHNF68KE	—	—	—	—	—	62,750	52,850	44,020	36,310
ACV0300L [^] ACE	6YJNF84KE	—	—	—	—	—	—	—	55,020	46,080
ACV0400LDACE	6YUNF10ME	—	—	—	—	—	94,010	79,470	66,650	55,590

Notes:

DEMAND COOLING IS REQUIRED FOR ALL APPLICATIONS

[^] 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 Models - Copeland Discus™ Compressors

Please consult AWEF table on page 107 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
ACV0150M [^] ACE	3YS3R16ME	203,000	185,060	168,050	152,080	137,170	123,310	110,370	87,200	66,820
ACV0151M [^] ACE	3YS3R16ME	197,330	180,430	164,190	149,080	134,850	121,530	109,030	86,390	66,370
ACV0200M [^] ACE	4YBNR19ME	241,910	221,600	202,060	183,510	166,010	149,630	134,240	106,440	82,030
ACV0201M [^] ACE	4YBNR19ME	250,070	227,850	206,720	187,100	168,840	151,740	135,860	107,360	82,470
ACV0250M [^] ACE	4YHNR22ME	263,840	243,310	223,240	203,560	185,380	168,070	151,550	121,180	93,990
ACV0251M [^] ACE	4YHNR22ME	280,820	257,040	234,040	212,600	192,320	173,350	155,540	123,330	95,080
ACV0260M [^] ACE	4YHNR22ME	271,510	249,180	228,210	208,050	188,850	170,700	153,510	122,220	94,540
ACV0300M [^] ACE	4YJNR27ME	318,090	293,760	269,450	247,060	225,470	204,770	184,810	148,380	115,130
ACV0301M [^] ACE	4YJNR27ME	359,870	327,460	296,880	268,260	241,800	217,270	194,460	153,580	117,790
ACV0350M [^] ACE	6YHNR32ME	404,120	370,680	338,440	307,140	278,360	251,380	225,770	179,310	138,260
ACV0351M [^] ACE	6YHNR32ME	425,320	387,150	351,420	317,900	286,540	257,310	230,370	181,940	139,540
ACV0400M [^] ACE	6YJNR39ME	473,290	435,910	400,870	366,070	333,350	302,290	272,800	218,440	168,950
ACV0401M [^] ACE	6YJNR39ME	530,570	482,030	436,450	394,040	354,700	318,480	284,990	224,890	172,170
ACV0500M [^] ACE	6YUNR48ME	594,800	544,170	495,920	450,110	406,880	366,340	328,410	259,780	199,210

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
ACV0150M [^] ACE	3YS3R16ME	195,030	177,860	161,570	146,250	131,940	118,640	106,300	84,010	64,450
ACV0151M [^] ACE	3YS3R16ME	189,340	173,130	157,640	143,200	129,580	116,840	104,870	83,180	64,020
ACV0200M [^] ACE	4YBNR19ME	231,900	212,560	193,950	176,220	159,470	143,810	129,080	102,500	79,060
ACV0201M [^] ACE	4YBNR19ME	240,380	219,080	198,820	180,000	162,380	146,030	130,760	103,400	79,490
ACV0250M [^] ACE	4YHNR22ME	252,540	232,870	213,670	195,420	177,740	161,280	145,560	116,600	90,630
ACV0251M [^] ACE	4YHNR22ME	269,540	246,820	225,000	204,240	184,860	166,700	149,650	118,790	91,730
ACV0260M [^] ACE	4YHNR22ME	259,870	239,000	218,660	199,490	181,190	163,900	147,510	117,620	91,180
ACV0300M [^] ACE	4YJNR27ME	303,500	280,820	258,220	236,520	216,020	196,420	177,630	142,760	111,020
ACV0301M [^] ACE	4YJNR27ME	346,140	315,010	285,710	258,290	232,810	209,240	187,320	148,050	113,660
ACV0350M [^] ACE	6YHNR32ME	386,930	355,210	324,050	294,790	267,220	241,510	217,070	172,660	133,410
ACV0351M [^] ACE	6YHNR32ME	408,570	372,200	338,080	305,690	275,520	247,590	221,740	175,290	134,640
ACV0400M [^] ACE	6YJNR39ME	452,170	416,940	383,840	350,950	319,880	290,280	262,250	210,420	163,060
ACV0401M [^] ACE	6YJNR39ME	510,620	464,030	420,240	379,450	341,660	306,830	274,610	216,900	166,220
ACV0500M [^] ACE	6YUNR48ME	569,970	522,880	476,240	432,300	390,840	352,150	315,800	249,990	191,950

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

For 50 cycle capacity, multiply values by .86

A2L PERFORMANCE DATA – R-454A

Medium Temperature Models - Copeland Discus™ Compressors (cont.)

Please consult AWEF table on page 107 to confirm DOE compliance per model

R-454A		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
ACV0150M [^] ACE	3YS3R16ME	187,000	170,600	155,020	140,360	126,660	113,930	102,110	80,770	62,060
ACV0151M [^] ACE	3YS3R16ME	181,270	165,820	151,050	137,270	124,270	112,090	100,660	79,940	61,640
ACV0200M [^] ACE	4YBNR19ME	221,930	203,560	185,820	168,910	152,920	137,950	123,850	98,480	76,090
ACV0201M [^] ACE	4YBNR19ME	230,610	210,070	190,870	172,820	155,930	140,260	125,630	99,400	76,510
ACV0250M [^] ACE	4YHNR22ME	---	222,280	204,210	186,870	170,090	154,480	139,550	111,990	87,280
ACV0251M [^] ACE	4YHNR22ME	258,030	236,350	215,600	195,750	177,270	159,950	143,570	114,210	88,390
ACV0260M [^] ACE	4YHNR22ME	248,100	227,930	209,120	190,950	173,550	157,100	141,520	113,030	87,830
ACV0300M [^] ACE	4YJNR27ME	---	---	246,440	225,880	206,550	188,010	170,250	137,160	106,980
ACV0301M [^] ACE	4YJNR27ME	332,280	302,500	274,410	248,150	223,710	201,110	180,100	142,490	109,600
ACV0350M [^] ACE	6YHNR32ME	369,280	339,350	310,290	282,530	256,180	231,460	208,180	166,050	128,610
ACV0351M [^] ACE	6YHNR32ME	391,380	357,220	324,240	293,260	264,400	237,840	213,030	168,620	129,810
ACV0400M [†] ACE	6YJNR39ME	---	397,370	366,390	336,020	306,230	278,270	251,630	202,380	157,390
ACV0401M [†] ACE	6YJNR39ME	490,220	445,620	403,880	364,630	328,420	295,150	264,210	208,890	160,340
ACV0500M [^] ACE	6YUNR48ME	544,860	499,340	456,120	414,430	374,880	337,850	303,290	240,160	184,760

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
ACV0150M [^] ACE	3YS3R16ME	170,490	155,650	141,540	128,350	115,800	104,300	93,510	74,200	57,290
ACV0151M [^] ACE	3YS3R16ME	---	150,930	137,520	125,090	113,350	102,360	92,010	73,350	56,850
ACV0200M [^] ACE	4YBNR19ME	---	---	169,130	153,950	139,520	126,000	113,280	90,350	70,160
ACV0201M [^] ACE	4YBNR19ME	210,720	192,030	174,550	158,110	142,730	128,450	115,130	91,300	70,590
ACV0250M [^] ACE	4YHNR22ME	---	---	---	---	---	140,530	127,230	102,700	80,630
ACV0251M [^] ACE	4YHNR22ME	---	215,020	196,190	178,600	161,910	146,270	131,550	104,950	81,710
ACV0260M [^] ACE	4YHNR22ME	---	---	---	173,470	157,930	143,200	129,230	103,710	81,140
ACV0300M [^] ACE	4YJNR27ME	---	---	---	---	---	170,990	154,980	125,820	98,980
ACV0301M [^] ACE	4YJNR27ME	303,760	276,730	251,170	227,270	205,050	184,490	165,390	131,320	101,500
ACV0350M [^] ACE	6YHNR32ME	---	---	---	256,850	233,310	211,190	190,410	152,620	119,200
ACV0351M [^] ACE	6YHNR32ME	357,260	325,870	296,020	268,120	241,800	217,820	195,350	155,240	120,350
ACV0400M [†] ACE	6YJNR39ME	---	---	---	---	---	253,830	230,100	186,350	146,220
ACV0401M [†] ACE	6YJNR39ME	448,680	408,130	369,980	334,400	301,630	271,220	243,120	192,890	148,930
ACV0500M [^] ACE	6YUNR48ME	---	---	---	---	342,330	308,820	277,680	220,780	170,770

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

For 50 cycle capacity, multiply values by .86

A2L PERFORMANCE DATA – R-454C

Medium Temperature Models - Copeland Discus™ Compressors

Please consult AWEF table on page 107 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
ACV0150M [^] ACE	3YS3R16ME	172,420	156,840	142,170	128,360	115,610	103,730	92,660	72,940	55,910
ACV0151M [^] ACE	3YS3R16ME	168,430	153,810	139,570	126,460	114,040	102,500	91,720	72,380	55,620
ACV0200M [^] ACE	4YBNR19ME	206,950	189,130	171,910	155,740	140,580	126,470	113,280	89,500	68,730
ACV0201M [^] ACE	4YBNR19ME	211,170	192,190	174,290	157,600	141,910	127,480	114,040	89,870	68,860
ACV0250M [^] ACE	4YHNR22ME	229,060	210,280	192,150	174,870	158,700	143,260	128,770	102,400	79,160
ACV0251M [^] ACE	4YHNR22ME	239,920	218,990	199,040	180,400	162,800	146,430	131,140	103,710	79,810
ACV0260M [^] ACE	4YHNR22ME	234,380	214,510	195,730	177,650	160,690	144,810	129,940	103,120	79,510
ACV0300M [^] ACE	4YJNR27ME	277,590	255,250	233,740	213,460	193,780	175,240	157,820	125,930	97,520
ACV0301M [^] ACE	4YJNR27ME	304,070	276,360	250,400	226,220	203,670	182,970	163,670	129,130	99,070
ACV0350M [^] ACE	6YHNR32ME	348,530	318,070	289,190	261,890	236,270	212,360	190,120	150,350	116,000
ACV0351M [^] ACE	6YHNR32ME	361,960	328,820	297,450	268,430	241,440	216,380	193,160	152,010	116,770
ACV0400M [^] ACE	6YJNR39ME	412,690	379,430	346,530	315,620	286,470	259,050	233,080	185,790	143,360
ACV0401M [^] ACE	6YJNR39ME	447,850	406,630	368,080	332,490	299,250	268,720	240,500	189,710	145,170
ACV0500M [^] ACE	6YUNR48ME	518,380	471,600	427,580	386,420	347,980	312,310	279,070	220,000	167,730

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
ACV0150M [^] ACE	3YS3R16ME	165,780	150,810	136,710	123,420	111,170	99,750	89,110	70,200	53,900
ACV0151M [^] ACE	3YS3R16ME	161,690	147,720	134,070	121,470	109,550	98,480	88,150	69,640	53,610
ACV0200M [^] ACE	4YBNR19ME	198,950	181,460	165,180	149,640	135,060	121,560	108,890	86,090	66,200
ACV0201M [^] ACE	4YBNR19ME	203,100	184,850	167,740	151,560	136,480	122,590	109,700	86,480	66,340
ACV0250M [^] ACE	4YHNR22ME	219,640	201,680	184,340	167,830	152,260	137,590	123,710	98,500	76,280
ACV0251M [^] ACE	4YHNR22ME	230,550	210,390	191,460	173,410	156,500	140,790	126,150	99,810	76,910
ACV0260M [^] ACE	4YHNR22ME	224,830	205,850	187,860	170,600	154,340	139,120	124,890	99,230	76,600
ACV0300M [^] ACE	4YJNR27ME	265,610	244,410	223,940	204,150	185,850	168,180	151,520	121,090	93,970
ACV0301M [^] ACE	4YJNR27ME	292,590	265,930	240,950	217,710	195,980	176,090	157,540	124,320	95,530
ACV0350M [^] ACE	6YHNR32ME	334,320	305,130	277,450	251,270	226,630	203,870	182,580	144,590	111,970
ACV0351M [^] ACE	6YHNR32ME	347,860	316,100	285,900	258,010	232,070	207,940	185,680	146,250	112,670
ACV0400M [^] ACE	6YJNR39ME	394,970	363,270	332,320	302,800	274,820	248,690	223,970	178,770	138,200
ACV0401M [^] ACE	6YJNR39ME	431,040	391,390	354,420	319,880	288,030	258,740	231,540	182,760	140,030
ACV0500M [^] ACE	6YUNR48ME	497,890	453,370	411,020	371,260	334,350	300,140	268,200	211,430	161,360

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

For 50 cycle capacity, multiply values by .86

A2L PERFORMANCE DATA – R-454C

Medium Temperature Models - Copeland Discus™ Compressors (cont.)

Please consult AWEF table on page 107 to confirm DOE compliance per model

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
ACV0150M [^] ACE	3YS3R16ME	159,010	144,670	131,130	118,440	106,690	95,690	85,510	67,440	51,900
ACV0151M [^] ACE	3YS3R16ME	154,910	141,530	128,600	116,410	104,990	94,360	84,570	66,830	51,620
ACV0200M [^] ACE	4YBNR19ME	190,670	174,110	158,310	143,450	129,490	116,530	104,490	82,660	63,670
ACV0201M [^] ACE	4YBNR19ME	194,920	177,560	160,950	145,440	131,070	117,630	105,290	83,070	63,810
ACV0250M [^] ACE	4YHNR22ME	210,050	192,950	176,450	160,910	145,840	131,840	118,590	94,590	73,400
ACV0251M [^] ACE	4YHNR22ME	221,310	201,760	183,580	166,250	150,120	135,010	121,100	95,870	74,040
ACV0260M [^] ACE	4YHNR22ME	215,020	196,980	179,660	163,410	147,900	133,370	119,700	95,230	73,710
ACV0300M [^] ACE	4YJNR27ME	253,530	233,440	213,840	195,260	177,510	161,000	145,150	116,130	90,400
ACV0301M [^] ACE	4YJNR27ME	280,870	255,270	231,230	208,930	188,140	169,100	151,320	119,490	91,970
ACV0350M [^] ACE	6YHNR32ME	319,910	292,030	265,400	240,490	217,030	195,290	175,000	138,830	107,930
ACV0351M [^] ACE	6YHNR32ME	333,680	303,080	274,190	247,410	222,520	199,410	178,090	140,500	108,600
ACV0400M [^] ACE	6YJNR39ME	377,400	347,390	317,830	289,730	263,140	238,090	214,680	171,710	133,060
ACV0401M [^] ACE	6YJNR39ME	413,950	375,650	340,320	307,180	276,570	248,540	222,420	175,730	134,880
ACV0500M [^] ACE	6YUNR48ME	477,480	434,620	394,160	356,050	320,600	287,800	257,130	202,790	154,970

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
ACV0150M [^] ACE	3YS3R16ME	145,130	132,110	119,700	108,220	97,370	87,420	78,190	61,830	47,880
ACV0151M [^] ACE	3YS3R16ME	141,160	128,930	117,180	106,080	95,650	86,150	77,160	61,250	47,620
ACV0200M [^] ACE	4YBNR19ME	173,820	158,660	144,400	130,840	118,160	106,480	95,460	75,740	58,610
ACV0201M [^] ACE	4YBNR19ME	178,420	162,330	147,140	133,020	119,780	107,640	96,340	76,150	58,750
ACV0250M [^] ACE	4YHNR22ME	---	---	---	146,160	132,870	120,190	108,240	86,660	67,610
ACV0251M [^] ACE	4YHNR22ME	201,640	184,390	167,590	151,870	137,140	123,490	110,740	87,930	68,270
ACV0260M [^] ACE	4YHNR22ME	---	---	163,860	148,930	134,800	121,740	109,400	87,240	67,920
ACV0300M [^] ACE	4YJNR27ME	---	---	---	---	161,510	146,420	132,200	106,310	83,200
ACV0301M [^] ACE	4YJNR27ME	256,930	233,390	211,690	191,150	172,270	154,770	138,600	109,670	84,830
ACV0350M [^] ACE	6YHNR32ME	---	265,330	241,310	218,730	197,360	177,870	159,730	127,370	100,110
ACV0351M [^] ACE	6YHNR32ME	304,560	276,420	250,230	225,790	203,110	182,110	162,770	128,990	100,700
ACV0400M [^] ACE	6YJNR39ME	---	---	---	---	239,290	216,940	195,820	157,290	122,740
ACV0401M [^] ACE	6YJNR39ME	378,540	343,850	311,380	281,210	253,250	227,570	203,890	161,480	124,580
ACV0500M [^] ACE	6YUNR48ME	---	---	---	324,950	292,560	262,610	234,650	185,260	142,140

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

For 50 cycle capacity, multiply values by .86

A2L PERFORMANCE DATA – R-455A

Medium Temperature Models - Copeland Discus™ Compressors

Please consult AWEF table on page 107 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
ACV0150M ⁺ ACE	3YS3R16ME	179,220	162,900	147,550	133,180	119,790	107,400	95,870	75,270	57,380
ACV0151M ⁺ ACE	3YS3R16ME	175,040	159,560	144,850	131,060	118,120	106,140	94,880	74,720	57,120
ACV0200M ⁺ ACE	4YBNR19ME	215,760	196,710	178,560	161,640	145,730	130,970	117,170	92,360	70,640
ACV0201M ⁺ ACE	4YBNR19ME	180,390	163,730	148,100	133,530	120,010	107,540	95,950	75,240	57,350
ACV0250M ⁺ ACE	4YHNR22ME	237,960	218,150	199,340	181,290	164,240	148,210	133,100	105,710	81,390
ACV0251M ⁺ ACE	4YHNR22ME	249,350	227,330	206,410	186,810	168,410	151,430	135,450	106,880	81,930
ACV0260M ⁺ ACE	4YHNR22ME	244,020	223,190	203,250	184,370	166,620	150,020	134,570	106,410	81,760
ACV0300M ⁺ ACE	4YJNR27ME	288,860	265,490	242,900	221,290	200,790	181,510	163,240	129,940	100,250
ACV0301M ⁺ ACE	4YJNR27ME	256,390	232,760	210,610	190,010	170,830	153,180	136,800	107,580	82,220
ACV0350M ⁺ ACE	6YHNR32ME	361,760	329,980	299,940	271,500	244,830	220,040	196,830	155,290	119,200
ACV0351M ⁺ ACE	6YHNR32ME	375,600	340,970	308,350	277,950	249,750	223,770	199,620	156,730	119,750
ACV0400M ⁺ ACE	6YJNR39ME	429,430	393,240	359,570	326,960	296,130	267,090	239,960	190,560	146,920
ACV0401M ⁺ ACE	6YJNR39ME	382,760	346,530	312,680	281,270	252,260	225,620	200,950	157,270	—
ACV0500M ⁺ ACE	6YUNR48ME	537,320	489,360	443,110	399,660	359,110	321,620	286,810	224,960	171,710

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
ACV0150M ⁺ ACE	3YS3R16ME	172,260	156,590	141,870	127,960	115,120	103,240	92,160	72,400	55,260
ACV0151M ⁺ ACE	3YS3R16ME	168,050	153,200	139,100	125,830	113,520	101,960	91,130	71,850	55,020
ACV0200M ⁺ ACE	4YBNR19ME	207,120	188,780	171,500	155,190	139,930	125,790	112,570	88,780	67,990
ACV0201M ⁺ ACE	4YBNR19ME	173,480	157,440	142,390	128,370	115,360	103,400	92,260	72,400	55,240
ACV0250M ⁺ ACE	4YHNR22ME	227,910	209,090	191,070	173,770	157,500	142,190	127,810	101,570	78,400
ACV0251M ⁺ ACE	4YHNR22ME	239,430	218,280	198,260	179,390	161,800	145,480	130,150	102,820	78,950
ACV0260M ⁺ ACE	4YHNR22ME	233,840	214,040	194,940	176,940	159,950	144,080	129,250	102,340	78,760
ACV0300M ⁺ ACE	4YJNR27ME	276,270	254,100	232,590	211,990	192,510	174,110	156,710	124,900	96,620
ACV0301M ⁺ ACE	4YJNR27ME	246,400	223,870	202,520	182,660	164,250	147,320	131,580	103,520	79,250
ACV0350M ⁺ ACE	6YHNR32ME	346,670	316,420	287,590	260,310	234,830	211,260	188,950	149,350	114,960
ACV0351M ⁺ ACE	6YHNR32ME	360,810	327,540	296,270	267,010	239,930	214,970	191,880	150,770	115,500
ACV0400M ⁺ ACE	6YJNR39ME	411,100	377,180	344,410	313,490	284,000	256,450	230,460	183,250	141,670
ACV0401M ⁺ ACE	6YJNR39ME	368,350	333,350	300,650	270,430	242,510	216,880	193,190	151,320	—
ACV0500M ⁺ ACE	6YUNR48ME	516,720	469,900	425,750	383,860	344,950	308,900	275,590	216,050	165,160

Notes:

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

30/3/60, 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 Models - Copeland Discus™ Compressors (cont.)

Please consult AWEF table on page 107 to confirm DOE compliance per model

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
ACV0150M [^] ACE	3YS3R16ME	165,170	150,140	135,990	122,730	110,410	99,000	88,440	69,500	53,160
ACV0151M [^] ACE	3YS3R16ME	160,950	146,740	133,250	120,580	108,750	97,670	87,410	68,950	52,910
ACV0200M [^] ACE	4YBNR19ME	198,370	180,910	164,300	148,710	134,160	120,500	107,890	85,220	65,360
ACV0201M [^] ACE	4YBNR19ME	166,460	151,050	136,580	123,170	110,700	99,200	88,530	69,520	53,140
ACV0250M [^] ACE	4YHNR22ME	—	199,930	182,630	166,310	150,790	136,190	122,410	97,470	75,420
ACV0251M [^] ACE	4YHNR22ME	229,330	209,080	189,960	171,950	155,070	139,380	124,860	98,710	75,960
ACV0260M [^] ACE	4YHNR22ME	223,700	204,650	186,590	169,390	153,180	138,030	123,880	98,220	75,770
ACV0300M [^] ACE	4YJNR27ME	—	242,660	222,230	202,740	184,130	166,570	150,050	119,810	92,990
ACV0301M [^] ACE	4YJNR27ME	236,470	214,790	194,360	175,200	157,610	141,360	126,280	99,440	76,260
ACV0350M [^] ACE	6YHNR32ME	331,300	302,630	275,060	249,160	224,820	202,200	181,070	143,430	110,840
ACV0351M [^] ACE	6YHNR32ME	345,620	313,810	283,780	255,810	229,930	206,110	184,010	144,820	111,340
ACV0400M [^] ACE	6YJNR39ME	—	360,630	329,600	299,820	271,980	245,690	220,920	176,050	136,520
ACV0401M [^] ACE	6YJNR39ME	353,510	319,850	288,440	259,380	232,580	208,000	185,350	145,370	—
ACV0500M [^] ACE	6YUNR48ME	495,400	450,240	407,640	368,100	330,740	296,110	264,070	207,280	158,720

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
ACV0150M [^] ACE	3YS3R16ME	150,740	137,070	123,990	112,000	100,820	90,450	80,810	63,680	48,950
ACV0151M [^] ACE	3YS3R16ME	—	133,650	121,380	109,940	99,060	89,080	79,760	63,120	48,690
ACV0200M [^] ACE	4YBNR19ME	—	—	149,720	135,540	122,210	109,950	98,520	77,970	60,110
ACV0201M [^] ACE	4YBNR19ME	152,210	137,970	124,810	112,520	101,140	90,640	80,920	63,690	48,930
ACV0250M [^] ACE	4YHNR22ME	—	—	—	—	—	123,970	111,570	89,170	69,470
ACV0251M [^] ACE	4YHNR22ME	—	—	173,140	156,890	141,450	127,270	114,050	90,430	70,010
ACV0260M [^] ACE	4YHNR22ME	—	—	—	154,120	139,470	125,810	112,970	89,940	69,810
ACV0300M [^] ACE	4YJNR27ME	—	—	—	—	—	151,560	136,670	109,700	85,790
ACV0301M [^] ACE	4YJNR27ME	216,280	196,250	177,580	160,180	144,060	129,220	115,510	91,180	70,320
ACV0350M [^] ACE	6YHNR32ME	—	—	249,920	226,490	204,680	184,180	165,220	131,600	102,780
ACV0351M [^] ACE	6YHNR32ME	314,980	286,040	258,680	233,350	209,810	188,130	168,160	132,970	103,240
ACV0400M [^] ACE	6YJNR39ME	—	—	—	—	—	223,950	201,700	161,620	126,380
ACV0401M [^] ACE	6YJNR39ME	323,190	292,430	263,630	237,030	212,520	190,120	169,560	133,540	103,390
ACV0500M [^] ACE	6YUNR48ME	—	—	—	—	301,980	270,320	241,180	189,730	146,120

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

For 50 cycle capacity, multiply values by .86

A1 PERFORMANCE DATA – R-404A/R-507A

Low Temperature Models - Copeland Discus™ Compressors

Please consult AWEF table on page 109 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
ACV0120L^ACD	4DBNF54KE	106,300	95,100	84,860	75,450	66,720	58,580	50,910	43,480	36,180
ACV0150L^ACD	4DHNF63KE	124,270	111,680	100,090	89,270	79,270	69,830	60,930	52,360	43,990
ACV0220L^ACD	4DJNF76KE	144,780	131,490	118,660	106,370	94,590	83,420	72,720	62,380	52,420
ACV0270L^ACD	6DHNF93KE	177,910	161,710	145,650	130,010	114,670	100,170	86,680	74,090	62,740
ACV0300L^ACD	6DJNF11ME	193,670	176,060	159,310	142,820	127,070	111,760	97,450	84,010	71,460
ACV0400LDACD	6DUNF13ME	265,350	237,740	212,900	190,550	169,910	150,550	131,920	113,150	-

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
ACV0120L^ACD	4DBNF54KE	101,920	91,220	81,440	72,330	63,870	55,920	48,380	40,990	33,700
ACV0150L^ACD	4DHNF63KE	118,930	106,840	95,650	85,260	75,510	66,350	57,710	49,370	41,180
ACV0220L^ACD	4DJNF76KE	138,630	125,760	113,480	101,550	90,160	79,340	68,920	58,840	49,010
ACV0270L^ACD	6DHNF93KE	169,860	154,400	139,090	124,080	109,210	95,200	82,100	69,810	58,610
ACV0300L^ACD	6DJNF11ME	-	167,680	151,750	136,080	121,010	106,220	92,420	79,410	67,120
ACV0400LDACD	6DUNF13ME	253,970	226,870	202,750	181,110	161,180	142,520	124,640	106,690	-

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
ACV0120L^ACD	4DBNF54KE	97,490	87,280	77,920	69,150	60,940	53,180	45,720	38,410	31,120
ACV0150L^ACD	4DHNF63KE	113,810	102,150	91,390	81,350	71,930	63,050	54,650	46,540	38,580
ACV0220L^ACD	4DJNF76KE	132,400	120,110	108,350	96,780	85,840	75,250	65,090	55,230	45,560
ACV0270L^ACD	6DHNF93KE	161,630	147,040	132,430	118,040	103,960	90,180	77,460	65,520	54,510
ACV0300L^ACD	6DJNF11ME	-	-	144,120	129,540	114,900	100,910	87,490	74,750	62,750
ACV0400LDACD	6DUNF13ME	242,310	216,080	192,900	171,790	152,510	134,540	117,270	-	-

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
ACV0120L^ACD	4DBNF54KE	88,330	79,190	70,600	62,470	54,750	47,300	40,070	32,880	25,690
ACV0150L^ACD	4DHNF63KE	103,700	93,140	83,330	74,020	65,260	56,980	49,090	41,430	33,910
ACV0220L^ACD	4DJNF76KE	-	-	-	87,410	77,100	67,080	57,300	47,780	38,420
ACV0270L^ACD	6DHNF93KE	-	-	-	-	-	80,180	68,200	56,760	46,260
ACV0300L^ACD	6DJNF11ME	-	-	-	-	-	-	77,500	65,530	53,980
ACV0400LDACD	6DUNF13ME	219,320	194,970	173,380	153,630	135,640	-	-	-	-

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-448A/R-449A

Low Temperature Models - Copeland Discus™ Compressors

Please consult AWEF table on page 109 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
ACV0120L [^] ACD	4DBNF54KE	99,210	87,570	76,690	66,450	57,000	48,370	40,600	33,730	27,770
ACV0150L [^] ACD	4DHNF63KE	112,790	100,320	88,580	77,550	67,400	58,090	49,790	42,490	36,250
ACV0220L [^] ACD	4DJNF76KE	140,060	123,030	107,930	94,170	81,880	70,520	59,890	49,500	39,160
ACV0270L [^] ACD	6DHNF93KE	162,520	143,510	125,720	109,300	94,300	80,570	68,190	56,650	45,960
ACV0300L [^] ACD	6DJNF11ME	193,820	171,500	150,730	131,570	113,420	97,020	81,910	67,670	54,220
ACV0400LDACD	6DUNF13ME	235,380	209,470	184,570	160,770	138,260	117,710	99,140	-	-

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
ACV0120L [^] ACD	4DBNF54KE	95,220	83,940	73,400	63,450	54,230	45,810	38,190	31,430	25,590
ACV0150L [^] ACD	4DHNF63KE	108,290	96,300	84,950	74,300	64,410	55,370	47,300	40,150	34,080
ACV0220L [^] ACD	4DJNF76KE	134,610	117,920	103,200	89,820	77,800	66,660	56,210	45,960	35,760
ACV0270L [^] ACD	6DHNF93KE	155,740	137,340	120,030	103,960	89,380	76,070	63,830	52,480	41,860
ACV0300L [^] ACD	6DJNF11ME	185,320	163,720	143,540	124,720	107,280	91,160	76,380	62,360	49,080
ACV0400LDACD	6DUNF13ME	227,690	202,460	177,960	154,430	132,330	111,770	-	-	-

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
ACV0120L [^] ACD	4DBNF54KE	91,100	80,250	69,960	60,290	51,320	43,060	35,640	29,000	23,250
ACV0150L [^] ACD	4DHNF63KE	103,790	92,200	81,290	70,940	61,350	52,570	44,730	37,770	31,830
ACV0220L [^] ACD	4DJNF76KE	129,120	112,880	98,500	85,410	73,660	62,730	52,460	42,370	32,290
ACV0270L [^] ACD	6DHNF93KE	148,660	130,680	114,100	98,640	84,200	71,220	59,200	47,980	37,420
ACV0300L [^] ACD	6DJNF11ME	176,450	155,520	136,060	117,760	100,810	85,160	70,530	56,760	43,450
ACV0400LDACD	6DUNF13ME	220,130	195,180	171,100	147,890	126,050	105,560	-	-	-

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
ACV0120L [^] ACD	4DBNF54KE	82,590	72,380	62,730	53,620	45,080	37,260	30,170	23,830	18,180
ACV0150L [^] ACD	4DHNF63KE	94,670	83,890	73,730	64,070	55,070	46,830	39,390	32,820	27,210
ACV0220L [^] ACD	4DJNF76KE	117,980	102,630	88,990	76,620	65,270	54,760	44,750	35,000	25,300
ACV0270L [^] ACD	6DHNF93KE	133,840	117,030	101,420	86,650	73,230	60,730	49,100	38,100	-
ACV0300L [^] ACD	6DJNF11ME	-	-	120,260	103,230	86,880	72,010	57,990	44,420	-
ACV0400LDACD	6DUNF13ME	203,950	180,110	156,750	133,910	112,500	92,330	-	-	-

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 Models - Copeland Discus™ Compressors

Please consult AWEF table on page 109 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
ACV0120L ^Λ ACD	4DBNF54KE	101,740	90,080	78,970	68,490	58,660	49,560	41,230	33,590	26,770
ACV0150L ^Λ ACD	4DHNF63KE	115,400	102,880	91,040	79,770	69,270	59,420	50,380	42,080	34,600
ACV0220L ^Λ ACD	4DJNF76KE	144,100	126,890	111,030	96,340	83,100	71,520	61,430	52,920	46,080
ACV0270L ^Λ ACD	6DHNF93KE	164,120	145,580	128,030	111,570	96,390	82,130	68,840	56,020	43,590
ACV0300L ^Λ ACD	6DJNF11ME	194,810	173,150	152,880	133,900	115,750	98,690	82,660	67,270	52,280
ACV0400LDACD	6DUNF13ME	244,190	217,780	192,210	167,250	143,630	121,580	-	-	-

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
ACV0120L ^Λ ACD	4DBNF54KE	97,420	86,010	75,370	65,210	55,680	46,840	38,690	31,270	24,600
ACV0150L ^Λ ACD	4DHNF63KE	110,530	98,460	87,030	76,190	66,040	56,530	47,740	39,680	32,370
ACV0220L ^Λ ACD	4DJNF76KE	137,900	121,200	105,750	91,590	79,020	67,870	58,310	50,340	44,080
ACV0270L ^Λ ACD	6DHNF93KE	156,820	138,710	121,940	106,140	91,170	77,380	64,310	51,760	39,490
ACV0300L ^Λ ACD	6DJNF11ME	185,650	164,770	145,210	126,850	109,020	92,500	77,000	61,930	47,260
ACV0400LDACD	6DUNF13ME	235,920	210,100	184,900	160,460	137,190	115,380	-	-	-

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
ACV0120L ^Λ ACD	4DBNF54KE	92,820	81,920	71,650	61,820	52,580	43,990	36,050	28,810	22,320
ACV0150L ^Λ ACD	4DHNF63KE	105,520	93,950	83,000	72,620	62,760	53,530	45,030	37,210	30,080
ACV0220L ^Λ ACD	4DJNF76KE	131,580	115,390	100,390	86,820	74,770	64,120	55,090	47,670	41,960
ACV0270L ^Λ ACD	6DHNF93KE	149,300	131,820	115,610	100,200	85,660	72,270	59,520	47,230	35,160
ACV0300L ^Λ ACD	6DJNF11ME	176,760	156,240	137,250	119,490	102,150	86,090	70,990	56,280	41,750
ACV0400LDACD	6DUNF13ME	227,420	202,090	177,540	153,420	130,580	108,970	-	-	-

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
ACV0120L ^Λ ACD	4DBNF54KE	83,500	73,490	63,850	54,670	46,010	37,870	30,410	23,580	17,380
ACV0150L ^Λ ACD	4DHNF63KE	95,560	84,970	74,910	65,200	56,030	47,420	39,440	32,040	25,330
ACV0220L ^Λ ACD	4DJNF76KE	118,630	103,500	89,580	77,130	65,990	56,360	48,370	42,000	37,330
ACV0270L ^Λ ACD	6DHNF93KE	133,640	117,400	102,180	87,590	74,160	61,340	49,030	37,230	25,680
ACV0300L ^Λ ACD	6DUNR49ME	-	-	327,520	292,090	262,680	237,360	218,220	196,680	200,310
ACV0400LDACD	6DUNF13ME	209,870	185,400	161,630	138,370	116,130	94,920	-	-	-

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 Models - Copeland Discus™ Compressors

Please consult AWEF table on page 109 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
ACV0120L ^Λ ACD	4DBNF54KE	87,960	76,620	66,280	56,800	48,240	40,560	33,610	27,390	21,780
ACV0150L ^Λ ACD	4DHNF63KE	100,100	87,800	76,580	66,350	57,050	48,680	41,180	34,350	28,110
ACV0220L ^Λ ACD	4DJNF76KE	116,440	101,460	88,320	76,810	66,620	57,530	49,230	41,400	33,750
ACV0270L ^Λ ACD	6DHNF93KE	143,780	127,240	111,070	95,550	81,070	67,660	55,440	44,860	35,770
ACV0300L ^Λ ACD	6DJNF11ME	167,490	148,140	129,680	111,810	95,080	79,790	65,990	53,560	43,050
ACV0400LDACD	6DUNF13ME	214,200	191,140	168,430	146,240	125,210	-	-	-	-

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
ACV0120L ^Λ ACD	4DBNF54KE	84,600	73,530	63,440	54,160	45,790	38,270	31,460	25,370	19,830
ACV0150L ^Λ ACD	4DHNF63KE	96,300	84,330	73,400	63,430	54,350	46,190	38,880	32,180	26,130
ACV0220L ^Λ ACD	4DJNF76KE	112,470	97,900	85,230	74,010	64,090	55,190	47,090	39,390	31,850
ACV0270L ^Λ ACD	6DHNF93KE	138,380	122,260	106,300	91,140	76,910	63,560	51,620	40,920	31,840
ACV0300L ^Λ ACD	6DJNF11ME	160,790	141,960	123,980	106,510	90,090	75,140	61,400	49,300	38,700
ACV0400LDACD	6DUNF13ME	207,480	185,140	162,860	141,180	120,380	-	-	-	-

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
ACV0120L ^Λ ACD	4DBNF54KE	81,110	70,320	60,410	51,390	43,240	35,870	29,180	23,180	17,780
ACV0150L ^Λ ACD	4DHNF63KE	92,400	80,770	70,120	60,360	51,550	43,590	36,470	29,930	24,020
ACV0220L ^Λ ACD	4DJNF76KE	108,210	94,140	81,900	71,030	61,400	52,700	44,780	37,250	29,750
ACV0270L ^Λ ACD	6DHNF93KE	132,930	117,150	101,560	86,580	72,620	59,390	47,600	36,970	27,810
ACV0300L ^Λ ACD	6DJNF11ME	154,040	135,710	118,180	101,000	84,950	70,340	56,760	44,830	34,330
ACV0400LDACD	6DUNF13ME	200,800	179,050	157,330	135,940	115,380	-	-	-	-

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
ACV0120L ^Λ ACD	4DBNF54KE	73,680	63,370	53,990	45,390	37,670	30,570	24,210	18,470	13,240
ACV0150L ^Λ ACD	4DHNF63KE	84,390	73,320	63,240	53,980	45,620	38,120	31,300	25,090	19,420
ACV0220L ^Λ ACD	4DJNF76KE	98,720	85,680	74,350	64,190	55,050	46,830	39,300	32,020	24,750
ACV0270L ^Λ ACD	6DHNF93KE	121,860	106,780	91,790	77,460	63,620	50,890	39,160	28,580	19,400
ACV0300L ^Λ ACD	6DJNF11ME	-	123,030	106,340	89,920	74,700	60,240	47,270	35,320	24,930
ACV0400LDACD	6DUNF13ME	188,010	167,150	146,000	124,850	-	-	-	-	-

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 Models - Copeland Discus™ Compressors

Please consult AWEF table on page 109 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
ACV0150M^ACD	3DS3R17ME	206,790	190,420	174,750	159,610	145,190	131,720	118,990	96,110	76,000
ACV0151M^ACD	3DS3R17ME	201,510	185,890	170,550	156,200	142,480	129,660	117,350	95,000	75,360
ACV0200M^ACD	4DBNR20ME	243,220	226,280	209,050	191,700	174,890	158,790	143,430	115,450	93,420
ACV0201M^ACD	4DBNR20ME	258,520	239,250	220,190	200,920	182,480	164,710	148,120	118,500	95,300
ACV0250M^ACD	4DHNR22ME	257,540	240,010	222,230	204,270	186,720	169,380	153,050	123,510	100,160
ACV0251M^ACD	4DHNR22ME	272,900	252,770	233,050	213,410	194,470	175,730	158,260	126,970	102,360
ACV0260M^ACD	4DHNR22ME	261,150	242,830	224,340	205,610	187,700	170,340	153,900	123,840	100,400
ACV0300M^ACD	4DJNR28ME	323,680	298,750	274,590	250,820	228,550	207,320	187,210	150,150	118,310
ACV0301M^ACD	4DJNR28ME	351,690	322,700	294,280	267,380	241,860	218,170	195,790	155,630	121,340
ACV0350M^ACD	6DHNR35ME	402,010	371,610	342,040	312,990	285,700	260,020	235,730	190,650	-
ACV0351M^ACD	6DHNR35ME	431,100	396,440	362,720	330,810	299,820	271,580	244,520	196,490	-
ACV0400M^ACD	6DJNR40ME	467,000	433,040	399,670	366,690	335,570	305,760	277,530	225,320	-
ACV0401M^ACD	6DJNR40ME	515,850	473,980	433,590	394,930	358,500	324,480	292,370	235,120	-
ACV0500MDACD	6DUNR49ME	548,620	511,420	475,550	437,730	401,280	365,620	331,180	269,840	222,360

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
ACV0150M^ACD	3DS3R17ME	197,530	181,810	166,790	152,680	139,010	126,270	114,090	92,220	72,900
ACV0151M^ACD	3DS3R17ME	192,030	177,340	162,930	149,330	136,380	124,120	112,480	91,130	72,280
ACV0200M^ACD	4DBNR20ME	231,700	215,610	199,350	183,190	166,910	151,520	136,830	110,090	89,080
ACV0201M^ACD	4DBNR20ME	247,090	228,620	210,290	191,820	174,250	157,420	141,370	113,030	90,880
ACV0250M^ACD	4DHNR22ME	245,210	228,060	211,670	194,800	177,650	161,580	146,180	117,960	95,530
ACV0251M^ACD	4DHNR22ME	260,400	241,330	222,480	203,850	185,720	167,930	151,060	121,140	97,670
ACV0260M^ACD	4DHNR22ME	249,060	231,690	214,110	196,270	179,170	162,620	146,830	118,110	95,760
ACV0300M^ACD	4DJNR28ME	307,720	284,340	261,380	238,930	217,770	197,870	178,450	143,340	113,160
ACV0301M^ACD	4DJNR28ME	336,170	308,060	281,160	255,240	231,070	208,300	186,930	148,620	116,030
ACV0350M^ACD	6DHNR35ME	382,280	353,730	325,760	298,100	272,590	248,150	225,000	181,840	-
ACV0351M^ACD	6DHNR35ME	410,830	377,980	346,020	315,890	286,570	259,330	233,730	187,620	-
ACV0400M^ACD	6DJNR40ME	444,650	412,680	381,180	349,940	320,450	292,160	265,210	215,280	-
ACV0401M^ACD	6DJNR40ME	493,910	453,620	415,230	378,350	343,660	310,770	280,040	224,930	-
ACV0500MDACD	6DUNR49ME	519,610	487,660	453,050	417,230	382,740	348,810	316,170	257,630	212,210

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-404A/R-507A

Medium Temperature Models - Copeland Discus™ Compressors (cont.)

Please consult AWEF table on page 109 to confirm DOE compliance per model

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
ACV0150M^ACD	3DS3R17ME	187,520	173,380	159,040	145,720	132,740	120,650	109,190	88,350	69,830
ACV0151M^ACD	3DS3R17ME	182,530	168,420	155,210	142,470	130,160	118,500	107,560	87,340	69,230
ACV0200M^ACD	4DBNR20ME	220,100	205,030	189,690	173,930	158,950	144,510	130,290	104,780	84,760
ACV0201M^ACD	4DBNR20ME	235,650	218,010	200,630	183,190	166,180	149,940	134,790	107,670	86,520
ACV0250M^ACD	4DHNR22ME	232,180	217,200	201,290	185,370	169,110	153,820	139,160	112,170	91,000
ACV0251M^ACD	4DHNR22ME	247,430	229,740	212,070	194,630	177,030	160,180	143,960	115,390	93,040
ACV0260M^ACD	4DHNR22ME	236,960	220,570	203,920	186,990	170,730	154,930	139,840	112,440	91,180
ACV0300M^ACD	4DJNR28ME	291,810	269,720	248,200	226,950	207,040	188,160	169,950	136,720	108,090
ACV0301M^ACD	4DJNR28ME	320,000	293,020	267,590	243,330	220,150	198,490	178,140	141,730	110,840
ACV0350M^ACD	6DHNR35ME	362,380	335,480	309,310	283,320	259,200	236,480	214,120	173,030	-
ACV0351M^ACD	6DHNR35ME	389,940	359,130	329,080	300,610	273,100	247,190	222,730	178,740	-
ACV0400M^ACD	6DJNR40ME	422,050	392,030	362,420	332,950	305,090	278,700	252,740	205,270	-
ACV0401M^ACD	6DJNR40ME	471,270	433,630	396,730	361,850	328,200	297,110	267,650	214,880	-
ACV0500MDACD	6DUNR49ME	492,480	462,600	430,170	396,360	363,680	331,800	301,310	245,150	201,940

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
ACV0150M^ACD	3DS3R17ME	168,570	155,580	143,620	131,710	120,480	109,600	99,370	80,660	63,760
ACV0151M^ACD	3DS3R17ME	-	151,230	139,790	128,750	117,920	107,670	97,770	79,670	63,170
ACV0200M^ACD	4DBNR20ME	-	-	-	156,480	143,100	130,130	117,310	94,290	76,190
ACV0201M^ACD	4DBNR20ME	212,790	197,370	181,330	165,580	150,290	135,790	121,840	97,120	77,930
ACV0250M^ACD	4DHNR22ME	-	-	-	166,270	152,050	138,410	125,210	100,900	81,850
ACV0251M^ACD	4DHNR22ME	-	207,090	191,290	175,640	159,890	144,550	129,960	104,120	83,840
ACV0260M^ACD	4DHNR22ME	-	-	183,560	168,480	153,910	139,860	126,120	101,400	82,070
ACV0300M^ACD	4DJNR28ME	-	240,480	221,060	202,990	185,720	168,830	152,440	123,370	98,170
ACV0301M^ACD	4DJNR28ME	286,800	263,510	240,490	219,040	198,390	179,000	160,770	128,190	100,700
ACV0350M^ACD	6DHNR35ME	-	-	274,820	253,100	231,890	211,780	192,010	155,460	-
ACV0351M^ACD	6DHNR35ME	348,230	320,840	294,970	269,850	245,220	222,300	200,700	160,930	-
ACV0400M^ACD	6DJNR40ME	-	-	323,760	297,900	273,490	250,160	227,250	185,080	-
ACV0401M^ACD	6DJNR40ME	424,960	391,430	358,580	327,540	297,550	269,240	242,610	194,680	-
ACV0500MDACD	6DUNR49ME	437,350	411,820	383,160	353,480	325,130	297,000	270,090	219,680	181,370

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 Models - Copeland Discus™ Compressors

Please consult AWEF table on page 109 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
ACV0150M^ACD	3DS3R17ME	204,530	186,980	170,060	153,680	138,060	123,460	109,680	85,020	64,180
ACV0151M^ACD	3DS3R17ME	200,380	183,660	167,340	151,700	136,570	122,190	108,800	84,340	63,640
ACV0200M^ACD	4DBNR20ME	251,140	229,210	208,210	188,330	169,790	152,330	136,030	106,870	81,770
ACV0201M^ACD	4DBNR20ME	261,680	237,690	214,810	193,300	173,700	155,350	138,480	108,480	82,800
ACV0250M^ACD	4DHNR22ME	270,680	247,660	225,480	204,360	184,420	165,910	148,340	116,750	89,380
ACV0251M^ACD	4DHNR22ME	282,570	257,200	232,980	210,470	189,200	169,450	151,200	118,580	90,600
ACV0260M^ACD	4DHNR22ME	272,560	248,950	226,350	204,940	184,800	166,170	148,530	116,930	89,580
ACV0300M^ACD	4DJNR28ME	324,730	298,320	272,420	247,420	223,560	200,490	178,370	137,580	101,140
ACV0301M^ACD	4DJNR28ME	342,860	313,030	284,340	256,990	231,000	206,450	183,280	140,690	103,000
ACV0350M^ACD	6DHNR35ME	397,910	367,050	336,180	305,710	276,250	247,830	220,770	172,140	132,610
ACV0351M^ACD	6DHNR35ME	415,340	380,950	346,970	314,020	282,370	252,380	224,150	174,210	134,220
ACV0400M^ACD	6DJNR40ME	473,990	436,910	399,920	363,530	328,250	294,250	261,970	204,270	157,940
ACV0401M^ACD	6DJNR40ME	501,950	458,830	417,010	376,460	337,810	301,440	267,460	207,780	160,720
ACV0500MDACD	6DUNR49ME	562,000	518,180	475,780	432,730	391,100	350,970	312,500	242,970	185,090

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
ACV0150M^ACD	3DS3R17ME	197,220	180,440	164,230	148,490	133,440	119,290	105,870	81,750	61,070
ACV0151M^ACD	3DS3R17ME	193,140	177,170	161,540	146,520	131,920	118,030	104,940	81,080	60,520
ACV0200M^ACD	4DBNR20ME	241,820	220,780	200,610	181,480	163,630	146,770	130,940	102,850	78,540
ACV0201M^ACD	4DBNR20ME	252,650	229,260	207,360	186,700	167,590	149,910	133,510	104,560	79,650
ACV0250M^ACD	4DHNR22ME	260,900	238,330	217,070	196,790	177,590	159,790	142,840	112,390	85,850
ACV0251M^ACD	4DHNR22ME	272,420	247,950	224,780	203,040	182,520	163,450	145,770	114,270	87,090
ACV0260M^ACD	4DHNR22ME	262,510	239,840	218,100	197,480	178,090	160,100	143,060	112,490	86,030
ACV0300M^ACD	4DJNR28ME	312,320	286,930	262,110	238,050	215,110	192,850	171,490	132,170	96,870
ACV0301M^ACD	4DJNR28ME	331,390	302,510	274,780	248,180	222,970	199,230	176,680	135,380	98,770
ACV0350M^ACD	6DHNR35ME	385,120	355,560	325,850	296,760	268,070	240,480	214,050	166,570	127,560
ACV0351M^ACD	6DHNR35ME	402,580	369,530	336,780	304,970	274,240	245,150	217,670	168,740	129,270
ACV0400M^ACD	6DJNR40ME	458,580	423,160	387,650	352,550	318,470	285,530	254,040	197,810	152,210
ACV0401M^ACD	6DJNR40ME	486,850	445,420	405,010	365,720	328,250	292,930	259,800	201,510	155,150
ACV0500MDACD	6DUNR49ME	542,800	501,890	460,630	419,600	378,970	340,050	302,650	234,550	177,260

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 Models - Copeland Discus™ Compressors (cont.)

Please consult AWEF table on page 109 to confirm DOE compliance per model

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
ACV0150M^ACD	3DS3R17ME	189,920	174,110	158,410	143,290	128,760	115,060	102,050	78,410	57,900
ACV0151M^ACD	3DS3R17ME	185,940	170,680	155,740	141,310	127,260	113,840	101,100	77,740	57,340
ACV0200M^ACD	4DBNR20ME	232,420	212,300	192,940	174,580	157,260	141,010	125,840	98,730	75,210
ACV0201M^ACD	4DBNR20ME	243,730	221,190	199,910	180,050	161,440	144,380	128,640	100,550	76,410
ACV0250M^ACD	4DHNR22ME	250,530	228,960	208,600	189,160	170,690	153,400	137,150	107,740	82,160
ACV0251M^ACD	4DHNR22ME	262,130	238,780	216,470	195,550	175,750	157,350	140,260	109,790	83,470
ACV0260M^ACD	4DHNR22ME	252,850	230,640	209,760	189,960	171,280	153,960	137,510	107,970	82,360
ACV0300M^ACD	4DJNR28ME	299,600	275,240	251,450	228,390	206,360	184,910	164,470	126,500	92,440
ACV0301M^ACD	4DJNR28ME	319,430	291,350	264,830	238,970	214,580	191,690	169,870	129,880	94,450
ACV0350M^ACD	6DHNR35ME	372,070	343,850	315,460	287,470	259,750	233,000	207,300	160,830	122,360
ACV0351M^ACD	6DHNR35ME	389,720	358,010	326,510	295,800	266,140	237,820	211,040	163,130	124,160
ACV0400M^ACD	6DJNR40ME	443,080	409,190	375,160	341,410	308,570	276,680	246,120	191,210	146,320
ACV0401M^ACD	6DJNR40ME	471,780	431,980	392,840	354,900	318,640	284,370	252,120	195,110	149,430
ACV0500MDACD	6DUNR49ME	523,690	484,670	445,130	405,300	366,560	328,900	292,640	225,670	169,120

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
ACV0150M^ACD	3DS3R17ME	-	161,130	146,760	132,880	119,480	106,640	94,350	71,650	51,430
ACV0151M^ACD	3DS3R17ME	-	-	144,230	130,980	117,970	105,390	93,360	70,970	50,870
ACV0200M^ACD	4DBNR20ME	-	-	-	160,430	144,660	129,670	115,620	90,260	68,300
ACV0201M^ACD	4DBNR20ME	225,100	204,510	184,710	166,370	149,080	133,180	118,520	92,250	69,580
ACV0250M^ACD	4DHNR22ME	-	-	-	-	156,590	140,830	125,730	98,390	74,520
ACV0251M^ACD	4DHNR22ME	-	-	199,640	180,320	161,970	145,030	128,990	100,600	75,950
ACV0260M^ACD	4DHNR22ME	-	-	-	174,710	157,480	141,450	126,130	98,770	74,780
ACV0300M^ACD	4DJNR28ME	-	-	229,410	208,320	188,110	168,220	149,490	114,650	83,260
ACV0301M^ACD	4DJNR28ME	294,360	268,510	243,540	219,730	197,250	175,850	155,550	118,380	85,470
ACV0350M^ACD	6DHNR35ME	-	-	-	268,110	242,560	217,510	193,280	148,860	111,430
ACV0351M^ACD	6DHNR35ME	363,670	334,560	305,610	277,000	249,390	222,730	197,350	151,500	113,410
ACV0400M^ACD	6DJNR40ME	-	-	-	-	288,230	258,450	229,740	177,480	134,000
ACV0401M^ACD	6DJNR40ME	441,080	404,670	368,420	333,130	299,140	266,940	236,410	181,890	137,540
ACV0500MDACD	6DUNR49ME	-	-	-	-	341,120	305,630	271,300	207,490	152,120

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 Models - Copeland Discus™ Compressors

Please consult AWEF table on page 109 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
ACV0150M^ACD	3DS3R17ME	208,650	190,750	173,400	156,480	140,400	125,330	111,100	86,120	65,860
ACV0151M^ACD	3DS3R17ME	203,560	186,550	169,870	153,730	138,350	123,650	109,890	85,290	65,240
ACV0200M^ACD	4DBNR20ME	253,250	231,330	210,380	190,560	171,910	154,720	138,490	109,420	84,130
ACV0201M^ACD	4DBNR20ME	267,310	242,580	219,430	197,600	177,560	158,950	141,800	111,590	85,430
ACV0250M^ACD	4DHNR22ME	272,580	248,930	226,940	206,010	186,220	167,790	150,620	119,330	91,890
ACV0251M^ACD	4DHNR22ME	286,800	261,170	236,840	214,210	192,790	172,740	154,630	121,780	93,430
ACV0260M^ACD	4DHNR22ME	275,910	251,740	228,630	207,180	187,110	168,600	151,020	119,510	92,050
ACV0300M^ACD	4DJNR28ME	329,310	301,700	275,470	250,270	226,160	203,410	181,400	141,370	105,900
ACV0301M^ACD	4DJNR28ME	353,420	321,960	291,860	263,470	236,610	211,570	187,900	145,070	107,630
ACV0350M^ACD	6DHNR35ME	403,010	371,680	340,500	309,910	280,160	251,940	224,930	176,350	136,510
ACV0351M^ACD	6DHNR35ME	424,660	389,630	354,800	321,220	288,940	258,620	230,030	179,470	138,720
ACV0400M^ACD	6DJNR40ME	479,900	442,000	404,750	368,170	332,960	298,970	266,720	209,090	162,460
ACV0401M^ACD	6DJNR40ME	518,430	473,220	429,380	387,370	347,500	310,170	275,330	214,570	166,400
ACV0500MDACD	6DUNR49ME	580,420	535,010	490,200	446,220	402,910	361,930	322,790	252,100	192,590

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
ACV0150M^ACD	3DS3R17ME	200,500	183,350	166,850	150,630	135,080	120,590	106,870	82,580	62,630
ACV0151M^ACD	3DS3R17ME	195,560	179,360	163,420	148,130	133,160	119,010	105,620	81,770	62,030
ACV0200M^ACD	4DBNR20ME	243,150	222,190	202,100	183,020	165,160	148,620	132,970	104,990	80,610
ACV0201M^ACD	4DBNR20ME	257,330	233,420	211,160	190,070	170,750	152,850	136,370	107,220	81,970
ACV0250M^ACD	4DHNR22ME	261,580	238,910	217,860	197,800	178,790	161,080	144,580	114,480	87,920
ACV0251M^ACD	4DHNR22ME	275,760	251,150	227,740	205,780	185,360	166,130	148,520	116,930	89,580
ACV0260M^ACD	4DHNR22ME	265,080	241,870	219,660	199,070	179,770	161,960	145,030	114,660	88,180
ACV0300M^ACD	4DJNR28ME	315,650	289,170	264,170	240,060	217,280	195,230	174,220	135,940	102,190
ACV0301M^ACD	4DJNR28ME	340,120	309,830	280,860	253,440	227,700	203,340	180,740	139,610	103,820
ACV0350M^ACD	6DHNR35ME	388,820	358,880	328,980	299,520	271,170	243,710	217,510	170,120	130,960
ACV0351M^ACD	6DHNR35ME	410,130	376,480	343,150	310,770	279,710	250,330	222,690	173,320	133,210
ACV0400M^ACD	6DJNR40ME	463,420	426,580	390,930	355,850	321,980	289,190	257,970	201,880	156,100
ACV0401M^ACD	6DJNR40ME	500,910	457,330	415,520	374,910	336,530	300,320	266,600	207,400	160,130
ACV0500MDACD	6DUNR49ME	559,600	516,760	473,400	431,250	389,590	350,290	312,190	242,700	184,220

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 Models - Copeland Discus™ Compressors (cont.)

Please consult AWEF table on page 109 to confirm DOE compliance per model

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
ACV0150M^ACD	3DS3R17ME	192,390	176,090	160,330	144,820	129,900	115,920	102,660	79,030	59,390
ACV0151M^ACD	3DS3R17ME	187,600	172,180	157,000	142,200	128,000	114,300	101,430	78,230	58,800
ACV0200M^ACD	4DBNR20ME	233,540	213,010	193,780	175,490	158,350	142,480	127,290	100,470	76,990
ACV0201M^ACD	4DBNR20ME	247,160	224,570	202,930	182,650	163,950	146,790	130,880	102,760	78,430
ACV0250M^ACD	4DHNR22ME	-	229,340	208,720	189,530	171,330	154,330	138,470	109,430	84,000
ACV0251M^ACD	4DHNR22ME	264,640	241,090	218,650	197,770	177,820	159,470	142,450	112,100	85,650
ACV0260M^ACD	4DHNR22ME	253,990	231,510	210,680	190,930	172,380	155,260	138,970	109,720	84,230
ACV0300M^ACD	4DJNR28ME	301,750	276,480	252,660	229,680	207,960	186,910	166,850	130,520	98,570
ACV0301M^ACD	4DJNR28ME	326,480	297,390	269,670	243,190	218,310	195,260	173,470	134,150	100,120
ACV0350M^ACD	6DHNR35ME	374,470	345,920	317,240	289,160	261,890	235,370	209,860	163,800	125,260
ACV0351M^ACD	6DHNR35ME	395,380	363,020	331,390	300,290	270,480	242,030	215,120	167,030	127,540
ACV0400M^ACD	6DJNR40ME	445,080	411,160	377,050	343,460	310,920	279,300	248,920	194,550	149,610
ACV0401M^ACD	6DJNR40ME	483,340	441,700	401,600	362,410	325,390	290,530	257,820	200,150	153,740
ACV0500MDACD	6DUNR49ME	538,790	497,930	456,940	416,180	376,100	337,790	300,920	233,360	175,290

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
ACV0150M^ACD	3DS3R17ME	-	161,720	147,420	133,300	119,670	106,670	94,310	71,960	52,940
ACV0151M^ACD	3DS3R17ME	-	-	144,310	130,960	117,790	105,210	93,130	71,200	52,390
ACV0200M^ACD	4DBNR20ME	-	-	-	160,350	144,870	130,070	116,270	91,280	69,550
ACV0201M^ACD	4DBNR20ME	227,090	206,280	186,300	167,720	150,360	134,450	119,850	93,700	71,080
ACV0250M^ACD	4DHNR22ME	-	-	-	-	156,270	140,690	126,110	99,310	75,790
ACV0251M^ACD	4DHNR22ME	-	-	200,310	181,030	162,790	146,000	130,140	102,060	77,510
ACV0260M^ACD	4DHNR22ME	-	-	-	174,500	157,480	141,730	126,620	99,780	76,070
ACV0300M^ACD	4DJNR28ME	-	-	-	208,580	189,030	170,050	152,140	119,760	91,540
ACV0301M^ACD	4DJNR28ME	298,350	271,610	246,120	222,100	199,500	178,540	158,730	123,250	92,950
ACV0350M^ACD	6DHNR35ME	-	-	-	268,040	242,940	218,270	194,430	150,740	113,410
ACV0351M^ACD	6DHNR35ME	-	336,510	307,640	278,910	251,570	225,010	199,830	154,180	115,800
ACV0400M^ACD	6DJNR40ME	-	-	-	318,310	288,440	259,160	230,920	179,470	136,230
ACV0401M^ACD	6DJNR40ME	448,390	410,530	373,360	337,570	303,190	270,670	240,110	185,420	140,610
ACV0500MDACD	6DUNR49ME	-	-	422,640	384,740	348,770	313,060	278,040	213,680	157,070

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 Models - Copeland Discus™ Compressors

Please consult AWEF table on page 109 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
ACV0150M^ACD	3DS3R17ME	185,130	168,750	153,040	137,990	123,830	110,560	98,270	76,230	57,660
ACV0151M^ACD	3DS3R17ME	182,010	166,200	150,930	136,370	122,600	109,580	97,410	75,640	57,120
ACV0200M^ACD	4DBNR20ME	225,570	204,890	185,010	166,530	149,010	132,310	115,950	83,870	50,950
ACV0201M^ACD	4DBNR20ME	236,030	213,510	192,510	172,760	153,750	136,050	118,820	85,340	51,480
ACV0250M^ACD	4DHNR22ME	-	-	204,330	184,520	165,930	148,390	131,990	102,570	78,440
ACV0251M^ACD	4DHNR22ME	259,010	235,340	212,800	191,460	171,270	152,290	134,760	104,440	79,980
ACV0260M^ACD	4DHNR22ME	-	-	206,040	185,920	166,650	148,840	132,200	102,760	78,660
ACV0300M^ACD	4DJNR28ME	-	-	245,160	221,360	199,060	178,330	158,840	123,840	92,370
ACV0301M^ACD	4DJNR28ME	320,910	288,610	259,060	231,790	206,610	183,730	162,800	126,070	94,390
ACV0350M^ACD	6DHNR35ME	363,520	328,300	296,160	266,870	240,190	215,500	192,640	149,800	106,690
ACV0351M^ACD	6DHNR35ME	381,820	343,050	307,410	275,240	246,260	220,150	196,180	152,390	109,290
ACV0400M^ACD	6DJNR40ME	451,090	400,410	357,530	318,170	285,310	256,920	231,400	184,030	130,230
ACV0401M^ACD	6DJNR40ME	507,630	445,630	391,710	345,750	306,280	272,420	242,720	189,090	130,880
ACV0500MDACD	6DUNR49ME	523,600	470,100	421,180	373,820	332,250	294,490	261,770	210,110	177,490

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
ACV0150M^ACD	3DS3R17ME	179,140	163,370	148,260	133,710	120,040	107,070	95,020	73,240	54,530
ACV0151M^ACD	3DS3R17ME	176,090	160,890	146,200	132,110	118,750	106,120	94,180	72,580	53,920
ACV0200M^ACD	4DBNR20ME	216,750	196,780	177,710	159,910	143,020	126,980	111,220	80,700	49,350
ACV0201M^ACD	4DBNR20ME	227,270	205,450	184,850	165,720	147,690	130,520	114,020	81,970	49,690
ACV0250M^ACD	4DHNR22ME	-	-	195,770	177,080	159,520	142,830	127,100	98,640	74,680
ACV0251M^ACD	4DHNR22ME	247,090	224,920	203,860	183,870	164,380	146,520	129,870	100,480	76,220
ACV0260M^ACD	4DHNR22ME	-	-	197,380	178,130	160,180	143,240	127,270	98,840	74,920
ACV0300M^ACD	4DJNR28ME	-	-	235,290	212,970	191,910	172,300	153,720	119,840	88,520
ACV0301M^ACD	4DJNR28ME	306,310	276,220	248,270	222,690	198,990	177,300	157,370	121,900	90,440
ACV0350M^ACD	6DHNR35ME	349,430	315,810	285,360	257,400	231,860	207,950	185,820	143,980	100,930
ACV0351M^ACD	6DHNR35ME	367,200	330,470	296,540	265,890	238,090	212,970	189,710	146,780	103,720
ACV0400M^ACD	6DJNR40ME	424,640	376,750	336,680	299,960	269,680	243,310	220,340	178,070	128,840
ACV0401M^ACD	6DJNR40ME	482,360	423,710	371,670	328,520	291,210	259,590	231,890	182,120	127,830
ACV0500MDACD	6DUNR49ME	494,810	443,860	397,470	353,040	314,400	279,570	249,430	204,550	179,650

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 Models - Copeland Discus™ Compressors (cont.)

Please consult AWEF table on page 109 to confirm DOE compliance per model

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
ACV0150M^ACD	3DS3R17ME	173,210	158,060	143,490	129,330	116,010	103,490	91,630	69,990	51,130
ACV0151M^ACD	3DS3R17ME	170,240	155,620	141,450	127,800	114,810	102,410	90,750	69,290	-
ACV0200M^ACD	4DBNR20ME	208,070	188,860	170,520	153,440	137,250	121,840	106,840	77,760	48,020
ACV0201M^ACD	4DBNR20ME	218,400	197,320	177,520	158,940	141,650	125,210	109,410	78,830	48,160
ACV0250M^ACD	4DHNR22ME	-	-	187,540	169,970	153,350	137,550	122,380	94,820	70,970
ACV0251M^ACD	4DHNR22ME	235,300	214,990	195,180	176,290	157,980	140,930	125,030	96,570	72,510
ACV0260M^ACD	4DHNR22ME	-	-	189,030	170,940	153,960	137,960	122,630	95,000	71,210
ACV0300M^ACD	4DJNR28ME	-	-	225,850	204,890	185,250	166,480	148,830	116,000	84,790
ACV0301M^ACD	4DJNR28ME	292,200	264,090	237,920	213,970	191,670	171,170	152,140	117,890	86,560
ACV0350M^ACD	6DHNR35ME	335,140	303,280	274,340	247,680	223,240	200,290	178,790	137,800	94,880
ACV0351M^ACD	6DHNR35ME	352,760	317,730	285,220	256,100	229,590	205,440	182,920	140,820	97,870
ACV0400M^ACD	6DJNR40ME	397,640	352,460	315,380	281,450	254,330	230,110	209,750	173,050	129,430
ACV0401M^ACD	6DJNR40ME	455,090	398,790	351,000	310,140	275,580	246,310	220,910	175,870	126,460
ACV0500MDACD	6DUNR49ME	465,750	417,500	374,090	332,450	296,730	265,010	238,090	200,370	184,180

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
ACV0150M^ACD	3DS3R17ME	161,490	147,340	133,750	120,580	107,810	95,810	84,290	-	43,510
ACV0151M^ACD	3DS3R17ME	-	-	-	114,320	102,070	90,500	79,180	58,080	38,590
ACV0200M^ACD	4DBNR20ME	-	-	156,590	141,010	126,380	112,360	98,750	72,650	46,220
ACV0201M^ACD	4DBNR20ME	-	173,560	156,140	139,970	124,750	110,400	96,840	70,880	45,210
ACV0250M^ACD	4DHNR22ME	-	-	-	156,740	141,930	127,690	113,700	87,720	-
ACV0251M^ACD	4DHNR22ME	-	-	-	155,500	140,310	125,710	111,810	85,700	61,920
ACV0260M^ACD	4DHNR22ME	-	-	173,520	157,590	142,420	127,920	113,840	87,760	64,160
ACV0300M^ACD	4DJNR28ME	-	-	208,120	189,830	172,490	155,850	139,750	108,830	77,840
ACV0301M^ACD	4DJNR28ME	252,920	230,460	209,650	189,980	171,610	154,410	137,990	106,850	75,890
ACV0350M^ACD	6DHNR35ME	-	-	251,700	227,840	205,190	184,160	163,930	124,420	82,090
ACV0351M^ACD	6DHNR35ME	-	278,470	251,000	225,570	202,360	181,070	160,690	120,970	78,460
ACV0400M^ACD	6DJNR40ME	-	303,390	271,870	244,020	221,930	204,180	189,870	166,420	136,940
ACV0401M^ACD	6DJNR40ME	368,180	322,630	283,420	251,610	225,850	205,800	189,380	163,200	134,200
ACV0500MDACD	6DUNR49ME	-	-	327,520	292,090	262,680	237,360	218,220	196,680	200,310

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 UNIT SPECIFICATIONS

Low Temperature - Copeland Discus™ Compressor Models

Model	Compressor	Refrigerant Line Connections (OD)		Rec. Capacity @90% full (lbs)	Condenser Fan Data		Dimensions (In.)			Net Wt. (lbs.)
		Liquid	Suction		No. Fans	Dia.	Length	Width	Height	
ACV0120L^ACE	4DBNF54KE	1-1/8	2-1/8	123	2	30"	176.35	48.9	59.4	2,317
ACV0150L^ACE	4DHNF63KE	1-1/8	2-1/8	123	2	30"	176.35	48.9	59.4	2,317
ACV0220L^ACE	4DJNF76KE	1-1/8	2-1/8	123	2	30"	176.35	48.9	59.4	2,317
ACV0270L^ACE	6DHNF93KE	1-1/8	2-1/8	123	2	30"	176.35	48.9	59.4	2,317
ACV0300L^ACE	6DJNF11ME	1-1/8	2-1/8	123	2	30"	176.35	48.9	59.4	2,317
ACV0400LDACD	6DUNF13ME	1-1/8	2-1/8	188	3	30"	229.4	48.9	59.4	2,970

A2L UNIT SPECIFICATIONS

Low Temperature - Copeland Discus™ Compressor Models

Model	Compressor	Refrigerant Line Connections (OD)		Rec. Capacity @90% full (lbs)	Condenser Fan Data		Dimensions (In.)			Net Wt. (lbs.)
		Liquid	Suction		No. Fans	Dia.	Length	Width	Height	
ACV0120L^ACE	4YBNF40KE	1-1/8	2-1/8	123	2	30"	176.35	48.9	59.4	2,430
ACV0150L^ACE	4YHNF46KE	1-1/8	2-1/8	123	2	30"	176.35	48.9	59.4	2,430
ACV0220L^ACE	4YJNF59KE	1-1/8	2-1/8	123	2	30"	176.35	48.9	59.4	2,430
ACV0270L^ACE	6YHNF68KE	1-1/8	2-1/8	123	2	30"	176.35	48.9	59.4	2,470
ACV0300L^ACE	6YJNF84KE	1-1/8	2-1/8	123	2	30"	176.35	48.9	59.4	2,430
ACV0400LDACE	6YUNF10ME	1-1/8	2-1/8	188	3	30"	229.4	48.9	59.4	3,080

Notes:

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

A1 UNIT SPECIFICATIONS

Medium Temperature Models - Copeland Discus™ Compressors

Model	Compressor	Refrigerant Line Connections (OD)		Rec. Capacity @90% full (lbs)	Condenser Fan Data		Dimensions (In.)			Net Wt. (lbs.)
		Liquid	Suction		No. Fans	Dia.	Length	Width	Height	
ACV0150M^ACE	3DS3R17ME	1-1/8	1-5/8	123	2	30"	176.35	48.9	59.4	2,215
ACV0151M^ACE	3DS3R17ME	7/8	1-5/8	123	2	30"	176.35	48.9	59.4	2,125
ACV0200M^ACE	4DBNR20ME	1-1/8	2-1/8	123	2	30"	176.35	48.9	59.4	2,217
ACV0201M^ACE	4DBNR20ME	7/8	2-1/8	123	2	30"	176.35	48.9	59.4	2,207
ACV0250M^ACE	4DHNR22ME	1-1/8	2-1/8	123	2	30"	176.35	48.9	59.4	2,217
ACV0251M^ACE	4DHNR22ME	1-1/8	2-1/8	188	3	30"	229.4	48.9	59.4	2,293
ACV0260M^ACE	4DHNR22ME	1-1/8	2-1/8	123	2	30"	176.35	48.9	59.4	2,217
ACV0300M^ACE	4DJNR28ME	1-1/8	2-1/8	188	2	30"	176.35	48.9	59.4	2,307
ACV0301M^ACE	4DJNR28ME	1-1/8	2-1/8	188	3	30"	229.4	48.9	59.4	2,703
ACV0350M^ACE	6DHNR35ME	1-1/8	2-1/8	188	3	30"	229.4	48.9	59.4	2,833
ACV0351M^ACE	6DHNR35ME	1-1/8	2-1/8	188	4	30"	282.5	48.9	61.4	3,491
ACV0400M^ACD	6DJNR40ME	1-1/8	2-1/8	188	3	30"	229.4	48.9	59.4	2,933
ACV0401M^ACD	6DJNR40ME	1-1/8	2-1/8	188	4	30"	282.5	48.9	61.4	3,591
ACV0500MDACD	6DUNR49ME	1-1/8	2-1/8	188	4	30"	282.5	48.9	61.4	3,690

A2L UNIT SPECIFICATIONS

Medium Temperature Models - Copeland Discus™ Compressors

Model	Compressor	Refrigerant Line Connections (OD)		Rec. Capacity @90% full (lbs)	Condenser Fan Data		Dimensions (In.)			Net Wt. (lbs.)
		Liquid	Suction		No. Fans	Dia.	Length	Width	Height	
ACV0150M^ACE	3YS3R16ME	1-1/8	1-5/8	123	2	30"	170.7	48.9	53.9	2,020
ACV0151M^ACE	3YS3R16ME	7/8	1-5/8	123	2	30"	176.35	48.9	59.4	2,240
ACV0200M^ACE	4YBNR19ME	1-1/8	2-1/8	123	2	30"	170.7	48.9	53.9	2,180
ACV0201M^ACE	4YBNR19ME	7/8	2-1/8	123	2	30"	176.35	48.9	59.4	2,320
ACV0250M^ACE	4YHNR22ME	1-1/8	2-1/8	123	2	30"	170.7	48.9	53.9	2,180
ACV0251M^ACE	4YHNR22ME	1-1/8	2-1/8	188	3	30"	229.4	48.9	59.4	2,400
ACV0260M^ACE	4YHNR22ME	1-1/8	2-1/8	123	2	30"	170.7	48.9	53.9	2,200
ACV0300M^ACE	4YJNR27ME	1-1/8	2-1/8	188	2	30"	170.7	48.9	53.9	2,220
ACV0301M^ACE	4YJNR27ME	1-1/8	2-1/8	188	3	30"	229.4	48.9	59.4	2,830
ACV0350M^ACE	6YHNR32ME	1-1/8	2-1/8	188	3	30"	225.7	48.9	53.9	2,780
ACV0351M^ACE	6YHNR32ME	1-1/8	2-1/8	188	4	30"	282.5	48.9	61.4	3,600
ACV0400M^ACE	6YJNR39ME	1-1/8	2-1/8	188	3	30"	225.7	48.9	53.9	2,740
ACV0401M^ACE	6YJNR39ME	1-1/8	2-1/8	188	4	30"	282.5	48.9	61.4	3,700
ACV0500M^ACE	6YUNR48ME	1-1/8	2-1/8	188	4	30"	282.5	48.9	61.4	3,800

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 - Copeland Discus™ Compressor Models/208-230V*

Please consult AWEF table on page 106 to confirm DOE compliance per model

Model	Compressor	Condensing Unit						Remote Loads: Four Contactors							
		Compressor		Condenser		Air Defrost		Low Amps "4L"				High Amps "4H"			
		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
ACV0120LCACE	4YBNF40KE	46.0	220	2	13.2	70.7	110	22	48	92.7	125	22	64	92.7	125
ACV0150LCACE	4YHNF46KE	47.2	278	2	13.2	72.2	110	25	64	97.2	125	25	91	113.8	125
ACV0220LCACE	4YJNF59KE	57.7	374	2	13.2	85.3	125	25	96	120.0	150	25	105	131.3	150
ACV0270LCACE	6YHNF68KE	72.4	450	2	13.2	103.7	175	25	96	128.7	200	25	108	135.0	200
ACV0300LCACE	6YJNF84KE	85.8	470	2	13.2	120.5	200	30	150	187.5	225	30	181	226.3	250

Model	Compressor	Condensing Unit						Remote Loads: Three Contactors							
		Compressor		Condenser		Air Defrost		Low Amps "3L"				High Amps "3H"			
		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
ACV0120LCACE	4YBNF40KE	46.0	220	2	13.2	70.7	110	20	40	90.7	125	22	48	92.7	125
ACV0150LCACE	4YHNF46KE	47.2	278	2	13.2	72.2	110	22	70	94.2	125	25	64	97.2	125
ACV0220LCACE	4YJNF59KE	57.7	374	2	13.2	85.3	125	20	85	106.3	150	25	96	120.0	150
ACV0270LCACE	6YHNF68KE	72.4	450	2	13.2	103.7	175	20	80	123.7	175	25	96	128.7	200
ACV0300LCACE	6YJNF84KE	85.8	470	2	13.2	120.5	200	20	96	140.5	225	25	96	145.5	225

Model	Compressor	Condensing Unit						Remote Loads: Two Contactors							
		Compressor		Condenser		Air Defrost		Low Amps "2L"				High Amps "2H"			
		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
ACV0120LCACE	4YBNF40KE	46.0	220	2	13.2	70.7	110	15	34	85.7	125	20	74	92.5	125
ACV0150LCACE	4YHNF46KE	47.2	278	2	13.2	72.2	110	20	80	100.0	125	20	91	113.8	125
ACV0220LCACE	4YJNF59KE	57.7	374	2	13.2	85.3	125	20	80	105.3	150	20	96	120.0	150
ACV0270LCACE	6YHNF68KE	72.4	450	2	13.2	103.7	175	20	80	123.7	175	20	96	123.7	175
ACV0300LCACE	6YJNF84KE	85.8	470	2	13.2	120.5	200	20	80	140.5	225	20	96	140.5	225

Notes:

* Models with "K" = 230V/3/60

MCA = Minimum Circuit Ampacity

MOP = Maximum Overcurrent Protection

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

A2L ELECTRICAL DATA

Low Temperature - Copeland Discus™ Compressor Models/208-230V* (cont.)

Please consult AWEF table on page 106 to confirm DOE compliance per model

Model	Compressor	Condensing Unit						Remote Loads: One Contactor							
		Compressor		Condenser		Air Defrost		Low Amps "1L"				High Amps "1H"			
		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
ACV0120LCACE	4YBNF40KE	46.0	220	2	13.2	70.7	110	15	40	85.7	125	15	48	85.7	125
ACV0150LCACE	4YHNF46KE	47.2	278	2	13.2	72.2	110	15	40	87.2	125	15	48	87.2	125
ACV0220LCACE	4YJNF59KE	57.7	374	2	13.2	85.3	125	15	40	100.3	150	15	48	100.3	150
ACV0270LCACE	6YHNF68KE	72.4	450	2	13.2	103.7	175	—	—	—	—	—	—	—	—
ACV0300LCACE	6YJNF84KE	85.8	470	2	13.2	120.5	200	—	—	—	—	—	—	—	—

Notes:

* Models with "K" = 230V/3/60

MCA = Minimum Circuit Ampacity

MOP = Maximum Overcurrent Protection

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

A2L ELECTRICAL DATA

Low Temperature - Copeland Discus™ Compressor Models/460V

Please consult AWEF table on page 106 to confirm DOE compliance per model

Model	Compressor	Condensing Unit						Remote Loads: Four Contactors							
		Compressor		Condenser		Air Defrost		Low Amps "4L"				High Amps "4H"			
		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
ACV0120LDACE	4YBNF40KE	23.0	110	2	6.6	35.4	50	—	—	—	—	—	—	—	—
ACV0150LDACE	4YHNF46KE	23.6	139	2	6.6	36.1	50	15	48	60.0	70	15	48	60.0	70
ACV0220LDACE	4YJNF59KE	28.8	187	2	6.6	42.6	70	15	48	60.0	80	15	48	60.0	80
ACV0270LDACE	6YHNF68KE	36.2	225	2	6.6	51.9	80	15	48	66.9	100	15	64	80.0	100
ACV0300LDACE	6YJNF84KE	42.9	235	2	6.6	60.2	100	20	64	80.2	110	20	91	113.8	125
ACV0400LDACE	6YUNF10ME	60.9	367	3	9.9	86.0	125	20	64	106.0	150	20	91	113.8	150

Model	Compressor	Condensing Unit						Remote Loads: Three Contactors							
		Compressor		Condenser		Air Defrost		Low Amps "3L"				High Amps "3H"			
		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
ACV0120LDACE	4YBNF40KE	23.0	110	2	6.6	35.4	50	15	22	50.4	70	20	22	55.4	70
ACV0150LDACE	4YHNF46KE	23.6	139	2	6.6	36.1	50	15	32	51.1	70	15	48	60.0	70
ACV0220LDACE	4YJNF59KE	28.8	187	2	6.6	42.6	70	15	48	60.0	80	15	48	60.0	80
ACV0270LDACE	6YHNF68KE	36.2	225	2	6.6	51.9	80	15	48	66.9	100	15	64	80.0	100
ACV0300LDACE	6YJNF84KE	42.9	235	2	6.6	60.2	100	15	64	80.0	110	22	64	82.2	125
ACV0400LDACE	6YUNF10ME	60.9	367	3	9.9	86.0	125	15	64	101.0	150	22	64	108.0	150

Notes:

MCA = Minimum Circuit Ampacity

MOP = Maximum Overcurrent Protection

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

A2L ELECTRICAL DATA

Low Temperature - Copeland Discus™ Compressor Models/460V (cont.)

Please consult AWEF table on page 106 to confirm DOE compliance per model

Model	Compressor	Condensing Unit						Remote Loads: Two Contactors							
		Compressor		Condenser		Air Defrost		Low Amps "2L"				High Amps "2H"			
		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
ACV0120LDACE	4YBNF40KE	23.0	110	2	6.6	35.4	50	10	19	45.4	60	15	38	50.4	70
ACV0150LDACE	4YHNF46KE	23.6	139	2	6.6	36.1	50	15	32	51.1	70	15	48	60.0	70
ACV0220LDACE	4YJNF59KE	28.8	187	2	6.6	42.6	70	15	48	60.0	80	15	64	80.0	80
ACV0270LDACE	6YHNF68KE	36.2	225	2	6.6	51.9	80	15	48	66.9	100	15	64	80.0	100
ACV0300LDACE	6YJNF84KE	42.9	235	2	6.6	60.2	100	15	48	75.2	110	15	80	100.0	110
ACV0400LDACE	6YUNF10ME	60.9	367	3	9.9	86.0	125	15	48	101.0	150	15	80	101.0	150

Model	Compressor	Condensing Unit						Remote Loads: One Contactor							
		Compressor		Condenser		Air Defrost		Low Amps "1L"				High Amps "1H"			
		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
ACV0120LDACE	4YBNF40KE	23.0	110	2	6.6	35.4	50	10	19	45.4	60	10	24	45.4	60
ACV0150LDACE	4YHNF46KE	23.6	139	2	6.6	36.1	50	15	24	51.1	70	15	40	51.1	70
ACV0220LDACE	4YJNF59KE	28.8	187	2	6.6	42.6	70	15	40	57.6	80	15	48	60.0	80
ACV0270LDACE	6YHNF68KE	36.2	225	2	6.6	51.9	80	15	40	66.9	100	15	48	66.9	100
ACV0300LDACE	6YJNF84KE	42.9	235	2	6.6	60.2	100	15	40	75.2	110	15	48	75.2	110
ACV0400LDACE	6YUNF10ME	60.9	367	3	9.9	86.0	125	15	40	101.0	150	15	48	101.0	150

Notes:

MCA = Minimum Circuit Ampacity

MOP = Maximum Overcurrent Protection

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

A2L ELECTRICAL DATA

Medium Temperature - Copeland Discus™ Compressor Models/208-230V*

Please consult AWEF table on page 107 to confirm DOE compliance per model

Model	Compressor	Condensing Unit						Remote Loads: Four Contactors							
		Compressor		Condenser		Air Defrost		Low Amps "4L"				High Amps "4H"			
		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
ACV0150MCACE	3YS3R16ME	53.5	275.0	2	13.2	80.1	125	25	96	120.0	150	25	108	135.0	150
ACV0151MCACE	3YS3R16ME	53.5	275.0	2	13.2	80.1	125	25	96	120.0	150	25	108	135.0	150
ACV0200MCACE	4YBNR19ME	64.7	374.0	2	13.2	94.1	150	25	96	120.0	175	25	108	135.0	175
ACV0201MCACE	4YBNR19ME	64.7	374.0	2	13.2	94.1	150	25	96	120.0	175	25	108	135.0	175
ACV0250MCACE	4YHNR22ME	66.8	428.0	2	13.2	96.7	150	25	125	156.3	175	30	181	226.3	250
ACV0251MCACE	4YHNR22ME	66.8	428.0	3	19.8	103.3	150	25	125	156.3	175	30	181	226.3	250
ACV0260MCACE	4YHNR22ME	66.8	428.0	2	13.2	96.7	150	25	125	156.3	175	30	181	226.3	250
ACV0300MCACE	4YJNR27ME	94.6	470.0	2	13.2	131.5	225	30	149	186.3	250	30	181	226.3	250
ACV0301MCACE	4YJNR27ME	94.6	470.0	3	19.8	138.1	225	30	149	186.3	250	30	181	226.3	250
ACV0350MCACE	6YHNR32ME	112.3	565.0	3	19.8	160.2	250	35	160	200.0	300	35	192	240.0	300
ACV0351MCACE	6YHNR32ME	112.3	565.0	4	26.4	166.8	250	35	160	201.8	300	35	192	240.0	300
ACV0400MKACE	6YJNR39ME	128.2	594.0	3	19.8	180.1	300	35	160	215.1	300	35	192	240.0	300
ACV0401MKACE	6YJNR39ME	128.2	594.0	4	26.4	186.7	300	35	160	221.7	300	35	192	240.0	300

Model	Compressor	Condensing Unit						Remote Loads: Three Contactors							
		Compressor		Condenser		Air Defrost		Low Amps "3L"				High Amps "3H"			
		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
ACV0150MCACE	3YS3R16ME	53.5	275.0	2	13.2	80.1	125	25	96	120.0	150	25	96	120.0	150
ACV0151MCACE	3YS3R16ME	53.5	275.0	2	13.2	80.1	125	25	80	105.1	150	25	64	105.1	150
ACV0200MCACE	4YBNR19ME	64.7	374.0	2	13.2	94.1	150	22	96	120.0	175	25	96	120.0	175
ACV0201MCACE	4YBNR19ME	64.7	374.0	2	13.2	94.1	150	20	96	120.0	175	20	96	120.0	175
ACV0250MCACE	4YHNR22ME	66.8	428.0	2	13.2	96.7	150	20	96	120.0	175	25	120	150.0	175
ACV0251MCACE	4YHNR22ME	66.8	428.0	3	19.8	103.3	150	20	96	123.3	175	25	120	150.0	175
ACV0260MCACE	4YHNR22ME	66.8	428.0	2	13.2	96.7	150	20	96	120.0	175	25	96	121.7	175
ACV0300MCACE	4YJNR27ME	94.6	470.0	2	13.2	131.5	225	25	125	156.5	250	20	125	156.3	225
ACV0301MCACE	4YJNR27ME	94.6	470.0	3	19.8	138.1	225	25	125	163.1	250	25	125	163.1	250
ACV0350MCACE	6YHNR32ME	112.3	565.0	3	19.8	160.2	250	30	150	190.2	300	35	150	195.2	300
ACV0351MCACE	6YHNR32ME	112.3	565.0	4	26.4	166.8	250	30	150	196.8	300	35	150	201.8	300
ACV0400MKACE	6YJNR39ME	128.2	594.0	3	19.8	180.1	300	30	150	210.1	300	30	150	210.1	300
ACV0401MKACE	6YJNR39ME	128.2	594.0	4	26.4	186.7	300	30	150	216.7	300	35	150	221.7	300

A2L ELECTRICAL DATA

Medium Temperature - Copeland Discus™ Compressor Models/208-230V* (cont.)

Please consult AWEF table on page 107 to confirm DOE compliance per model

Model	Compressor	Condensing Unit						Remote Loads: Two Contactors							
		Compressor		Condenser		Air Defrost		Low Amps "2L"				High Amps "2H"			
		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
ACV0150MCACE	3YS3R16ME	53.5	275.0	2	13.2	80.1	125	25	80	105.1	150	25	96	120.0	150
ACV0151MCACE	3YS3R16ME	53.5	275.0	2	13.2	80.1	125	25	80	105.1	150	25	96	120.0	150
ACV0200MCACE	4YBNR19ME	64.7	374.0	2	13.2	94.1	150	20	80	114.1	175	20	96	120.0	175
ACV0201MCACE	4YBNR19ME	64.7	374.0	2	13.2	94.1	150	20	80	114.1	175	20	96	120.0	175
ACV0250MCACE	4YHNR22ME	66.8	428.0	2	13.2	96.7	150	—	—	—	—	—	—	—	—
ACV0251MCACE	4YHNR22ME	66.8	428.0	3	19.8	103.3	150	—	—	—	—	—	—	—	—
ACV0260MCACE	4YHNR22ME	66.8	428.0	2	13.2	96.7	150	—	—	—	—	—	—	—	—
ACV0300MCACE	4YJNR27ME	94.6	470.0	2	13.2	131.5	225	—	—	—	—	—	—	—	—
ACV0301MCACE	4YJNR27ME	94.6	470.0	3	19.8	138.1	225	—	—	—	—	—	—	—	—
ACV0350MCACE	6YHNR32ME	112.3	565.0	3	19.8	160.2	250	—	—	—	—	—	—	—	—
ACV0351MCACE	6YHNR32ME	112.3	565.0	4	26.4	166.8	250	—	—	—	—	—	—	—	—
ACV0400MKACE	6YJNR39ME	128.2	594.0	3	19.8	180.1	300	—	—	—	—	—	—	—	—
ACV0401MKACE	6YJNR39ME	128.2	594.0	4	26.4	186.7	300	—	—	—	—	—	—	—	—

Notes:

* Models with "K" = 230V/3/60

MCA = Minimum Circuit Ampacity

MOP = Maximum Overcurrent Protection

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

A2L ELECTRICAL DATA

Medium Temperature - Copeland Discus™ Compressor Models/460V

Please consult AWEF table on page 107 to confirm DOE compliance per model

Model	Compressor	Condensing Unit						Remote Loads: Four Contactors							
		Compressor		Condenser		Air Defrost		Low Amps "4L"				High Amps "4H"			
		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
ACV0150MDACE	3YS3R16ME	26.0	138.0	2	6.6	39.1	60	15	48	60.0	80	15	64	80.0	80
ACV0151MDACE	3YS3R16ME	23.0	110.0	2	6.6	35.4	50	15	48	60.0	70	15	64	80.0	80
ACV0200MDACE	4YBNR19ME	32.4	187.0	2	6.6	47.1	70	15	48	62.1	90	15	64	80.0	90
ACV0201MDACE	4YBNR19ME	23.6	139.0	2	6.6	36.1	50	15	48	60.0	70	15	48	60.0	70
ACV0250MDACE	4YHNR22ME	33.4	214.0	2	6.6	48.4	80	20	64	80.0	100	20	96	120.0	125
ACV0251MDACE	4YHNR22ME	28.8	187.0	2	6.6	42.6	70	15	48	60.0	80	15	48	60.0	80
ACV0260MDACE	4YHNR22ME	33.4	214.0	2	6.6	48.4	80	20	64	80.0	100	20	96	120.0	125
ACV0300MDACE	4YJNR27ME	47.3	235.0	2	6.6	65.7	110	20	64	85.7	125	20	96	120.0	125
ACV0301MDACE	4YJNR27ME	36.2	225.0	2	6.6	51.9	80	15	48	66.9	100	15	64	80.0	100
ACV0350MDACE	6YHNR32ME	56.2	283.0	3	9.9	80.2	125	20	64	100.2	150	20	96	120.0	150
ACV0351MDACE	6YHNR32ME	42.9	235.0	2	6.6	60.2	100	20	64	80.2	110	20	91	113.8	125
ACV0400MDACE	6YJNR39ME	64.1	297.0	3	9.9	90.0	150	20	64	110.0	150	20	96	120.0	150
ACV0401MDACE	6YJNR39ME	60.9	367.0	3	9.9	86.0	125	20	64	106.0	150	20	91	113.8	150
ACV0500MDACE	6YUNR48ME	75.0	482.0	4	13.2	107.0	175	20	64	127.0	200	20	96	127.0	200

Model	Compressor	Condensing Unit						Remote Loads: Three Contactors							
		Compressor		Condenser		Air Defrost		Low Amps "3L"				High Amps "3H"			
		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
ACV0150MDACE	3YS3R16ME	26.0	138.0	2	6.6	39.1	60	15	48	60.0	80	15	64	80.0	80
ACV0151MDACE	3YS3R16ME	23.0	110.0	2	6.6	35.4	50	15	22	50.4	70	20	22	55.4	70
ACV0200MDACE	4YBNR19ME	32.4	187.0	2	6.6	47.1	70	15	64	80.0	90	15	64	80.0	90
ACV0201MDACE	4YBNR19ME	23.6	139.0	2	6.6	36.1	50	15	32	51.1	70	15	48	60.0	70
ACV0250MDACE	4YHNR22ME	33.4	214.0	2	6.6	48.4	80	15	64	80.0	90	20	64	80.0	100
ACV0251MDACE	4YHNR22ME	28.8	187.0	2	6.6	42.6	70	15	48	60.0	80	15	48	60.0	80
ACV0260MDACE	4YHNR22ME	33.4	214.0	2	6.6	48.4	80	15	64	80.0	90	20	64	80.0	100
ACV0300MDACE	4YJNR27ME	47.3	235.0	2	6.6	65.7	110	20	64	85.7	125	20	64	85.7	125
ACV0301MDACE	4YJNR27ME	36.2	225.0	2	6.6	51.9	80	15	48	66.9	100	15	64	80.0	100
ACV0350MDACE	6YHNR32ME	56.2	283.0	3	9.9	80.2	125	20	64	100.2	150	20	96	120.0	150
ACV0351MDACE	6YHNR32ME	42.9	235.0	2	6.6	60.2	100	15	64	80.0	110	22	64	82.2	125
ACV0400MDACE	6YJNR39ME	64.1	297.0	3	9.9	90.0	150	20	64	110.0	150	22	64	112.0	175
ACV0401MDACE	6YJNR39ME	60.9	367.0	3	9.9	86.0	125	15	64	101.0	150	22	64	108.0	150
ACV0500MDACE	6YUNR48ME	75.0	482.0	4	13.2	107.0	175	20	64	127.0	200	22	64	129.0	200

Notes:

MCA = Minimum Circuit Ampacity

MOP = Maximum Overcurrent Protection

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

A2L ELECTRICAL DATA

Medium Temperature - Copeland Discus™ Compressor Models/460V (cont.)

Please consult AWEF table on page 107 to confirm DOE compliance per model

Model	Compressor	Condensing Unit						Remote Loads: Two Contactors							
		Compressor		Condenser		Air Defrost		Low Amps "2L"				High Amps "2H"			
		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
ACV0150MDACE	3YS3R16ME	26.0	138.0	2	6.6	39.1	60	15	48	60.0	80	15	64	80.0	80
ACV0151MDACE	3YS3R16ME	23.0	110.0	2	6.6	35.4	50	10	19	45.4	60	15	38	50.4	70
ACV0200MDACE	4YBNR19ME	32.4	187.0	2	6.6	47.1	70	15	48	62.1	90	15	64	80.0	90
ACV0201MDACE	4YBNR19ME	23.6	139.0	2	6.6	36.1	50	15	32	51.1	70	15	48	60.0	70
ACV0250MDACE	4YHNR22ME	33.4	214.0	2	6.6	48.4	80	15	48	63.4	90	15	80	100.0	100
ACV0251MDACE	4YHNR22ME	28.8	187.0	2	6.6	42.6	70	15	48	60.0	80	15	64	80.0	80
ACV0260MDACE	4YHNR22ME	33.4	214.0	2	6.6	48.4	80	15	48	63.4	90	15	80	100.0	100
ACV0300MDACE	4YJNR27ME	47.3	235.0	2	6.6	65.7	110	15	80	100.0	125	20	96	120.0	125
ACV0301MDACE	4YJNR27ME	36.2	225.0	2	6.6	51.9	80	15	48	66.9	100	15	64	80.0	100
ACV0350MDACE	6YHNR32ME	56.2	283.0	3	9.9	80.2	125	20	80	100.2	150	20	96	120.0	150
ACV0351MDACE	6YHNR32ME	42.9	235.0	2	6.6	60.2	100	15	48	75.2	110	15	80	100.0	110
ACV0400MDACE	6YJNR39ME	64.1	297.0	3	9.9	90.0	150	20	80	110.0	150	20	96	120.0	150
ACV0401MDACE	6YJNR39ME	60.9	367.0	3	9.9	86.0	125	15	48	101.0	150	15	80	101.0	150
ACV0500MDACE	6YUNR48ME	75.0	482.0	4	13.2	107.0	175	20	80	127.0	200	20	96	127.0	200

Model	Compressor	Condensing Unit						Remote Loads: One Contactor							
		Compressor		Condenser		Air Defrost		Low Amps "1L"				High Amps "1H"			
		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
ACV0150MDACE	3YS3R16ME	26.0	138.0	2	6.6	39.1	60	15	40	54.1	80	15	48	60.0	80
ACV0151MDACE	3YS3R16ME	23.0	110.0	2	6.6	35.4	50	10	19	45.4	60	10	24	45.4	60
ACV0200MDACE	4YBNR19ME	32.4	187.0	2	6.6	47.1	70	15	40	62.1	90	15	48	62.1	90
ACV0201MDACE	4YBNR19ME	23.6	139.0	2	6.6	36.1	50	15	24	51.1	70	15	40	51.1	70
ACV0250MDACE	4YHNR22ME	33.4	214.0	2	6.6	48.4	80	—	—	—	—	—	—	—	—
ACV0251MDACE	4YHNR22ME	28.8	187.0	2	6.6	42.6	70	15	40	57.6	80	15	48	60.0	80
ACV0260MDACE	4YHNR22ME	33.4	214.0	2	6.6	48.4	80	—	—	—	—	—	—	—	—
ACV0300MDACE	4YJNR27ME	47.3	235.0	2	6.6	65.7	110	—	—	—	—	—	—	—	—
ACV0301MDACE	4YJNR27ME	36.2	225.0	2	6.6	51.9	80	15	40	66.9	100	15	48	66.9	100
ACV0350MDACE	6YHNR32ME	56.2	283.0	3	9.9	80.2	125	—	—	—	—	—	—	—	—
ACV0351MDACE	6YHNR32ME	42.9	235.0	2	6.6	60.2	100	15	40	75.2	110	15	48	75.2	110
ACV0400MDACE	6YJNR39ME	64.1	297.0	3	9.9	90.0	150	—	—	—	—	—	—	—	—
ACV0401MDACE	6YJNR39ME	60.9	367.0	3	9.9	86.0	125	15	40	101.0	150	15	48	101.0	150
ACV0500MDACE	6YUNR48ME	75.0	482.0	4	13.2	107.0	175	—	—	—	—	—	—	—	—

Notes:

MCA = Minimum Circuit Ampacity

MOP = Maximum Overcurrent Protection

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

Low Temperature - Copeland Discus™ Compressor Models/208-230V

Please consult AWEF table on page 109 to confirm DOE compliance per model

Model	Compressor	Condensing Unit						Remote Loads: Four Contactors							
		Compressor		Condenser		Air Defrost		Low Amps "4L"				High Amps "4H"			
		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	
ACV0120LCACD	4DBNF54KE	46.0	220.0	2	13.2	70.7	100	22	48	92.7	125	22	64	92.7	125
ACV0150LCACD	4DHNF63KE	47.2	278.0	2	13.2	72.2	100	25	64	97.2	125	25	91	113.8	125
ACV0220LCACD	4DJNF76KE	57.7	374.0	2	13.2	85.3	125	25	96	120.0	150	25	105	131.3	150
ACV0270LCACD	6DHNF93KE	72.4	450.0	2	13.2	103.7	175	25	96	128.7	200	25	108	135.0	200
ACV0300LCACD	6DJNF11ME	85.8	470.0	2	13.2	120.4	200	30	150	187.5	225	30	181	226.3	250

Model	Compressor	Condensing Unit						Remote Loads: Three Contactors							
		Compressor		Condenser		Air Defrost		Low Amps "3L"				High Amps "3H"			
		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	
ACV0120LCACD	4DBNF54KE	46.0	220.0	2	13.2	70.7	100	20	40	90.7	125	22	48	92.7	125
ACV0150LCACD	4DHNF63KE	47.2	278.0	2	13.2	72.2	100	22	70	94.2	125	25	64	97.2	125
ACV0220LCACD	4DJNF76KE	57.7	374.0	2	13.2	85.3	125	20	85	106.3	150	25	96	120.0	150
ACV0270LCACD	6DHNF93KE	72.4	450.0	2	13.2	103.7	175	20	80	123.7	175	25	96	128.7	200
ACV0300LCACD	6DJNF11ME	85.8	470.0	2	13.2	120.4	200	20	96	140.4	225	25	96	145.4	225

A1 ELECTRICAL DATA

Low Temperature - Copeland Discus™ Compressor Models/208-230V (cont.)

Please consult AWEF table on page 109 to confirm DOE compliance per model

Model	Compressor	Condensing Unit						Remote Loads: Two Contactors							
		Compressor		Condenser		Air Defrost		Low Amps "2L"				High Amps "2H"			
		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
ACV0120LCACD	4DBNF54KE	46.0	220.0	2	13.2	70.7	100	15	34	85.7	125	20	74	92.5	125
ACV0150LCACD	4DHNF63KE	47.2	278.0	2	13.2	72.2	100	20	80	100.0	125	20	91	113.8	125
ACV0220LCACD	4DJNF76KE	57.7	374.0	2	13.2	85.3	125	20	80	105.3	150	20	96	120.0	150
ACV0270LCACD	6DHNF93KE	72.4	450.0	2	13.2	103.7	175	20	80	123.7	175	20	96	123.7	175
ACV0300LCACD	6DJNF11ME	85.8	470.0	2	13.2	120.4	200	20	80	140.4	225	20	96	140.4	225

Model	Compressor	Condensing Unit						Remote Loads: One Contactor							
		Compressor		Condenser		Air Defrost		Low Amps "1L"				High Amps "1H"			
		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
ACV0120LCACD	4DBNF54KE	46.0	220.0	2	13.2	70.7	100	15	40	85.7	125	15	48	85.7	125
ACV0150LCACD	4DHNF63KE	47.2	278.0	2	13.2	72.2	100	15	40	87.2	125	15	48	87.2	125
ACV0220LCACD	4DJNF76KE	57.7	374.0	2	13.2	85.3	125	15	40	100.3	150	15	48	100.3	150
ACV0270LCACD	6DHNF93KE	72.4	450.0	2	13.2	103.7	175	-	-	-	-	-	-	-	-
ACV0300LCACD	6DJNF11ME	85.8	470.0	2	13.2	120.4	200	-	-	-	-	-	-	-	-

A1 ELECTRICAL DATA

Low Temperature - Copeland Discus™ Compressor Models/460V

Please consult AWEF table on page 109 to confirm DOE compliance per model

Model	Compressor	Condensing Unit						Remote Loads: Four Contactors							
		Compressor		Condenser		Air Defrost		Low Amps "4L"				High Amps "4H"			
		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
ACV0120LDACD	4DBNF54KE	23.0	110.0	2	6.6	35.4	50	-	-	-	-	-	-	-	-
ACV0150LDACD	4DHNF63KE	23.6	139.0	2	6.6	36.1	50	15	48	60.0	70	15	48	60.0	70
ACV0220LDACD	4DJNF76KE	28.8	187.0	2	6.6	42.7	70	15	48	60.0	80	15	48	60.0	80
ACV0270LDACD	6DHNF93KE	36.2	225.0	2	6.6	51.9	80	15	48	66.9	100	15	64	80.0	100
ACV0300LDACD	6DJNF11ME	42.9	235.0	2	6.6	60.2	100	20	64	80.2	100	20	91	113.8	125
ACV0400LDACD	6DUNF13ME	60.9	367.0	3	6.6	86.0	125	20	64	106.0	150	20	91	113.8	150

Model	Compressor	Condensing Unit						Remote Loads: Three Contactors							
		Compressor		Condenser		Air Defrost		Low Amps "3L"				High Amps "3H"			
		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
ACV0120LDACD	4DBNF54KE	23.0	110.0	2	6.6	35.4	50	15	22	50.4	70	20	22	55.4	70
ACV0150LDACD	4DHNF63KE	23.6	139.0	2	6.6	36.1	50	15	32	51.1	70	15	48	60.0	70
ACV0220LDACD	4DJNF76KE	28.8	187.0	2	6.6	42.7	70	15	48	60.0	80	15	48	60.0	80
ACV0270LDACD	6DHNF93KE	36.2	225.0	2	6.6	51.9	80	15	48	66.9	100	15	64	80.0	100
ACV0300LDACD	6DJNF11ME	42.9	235.0	2	6.6	60.2	100	15	64	80.0	100	22	64	82.2	125
ACV0400LDACD	6DUNF13ME	60.9	367.0	3	6.6	86.0	125	15	64	101.0	150	22	64	108.0	150

A1 ELECTRICAL DATA

Low Temperature - Copeland Discus™ Compressor Models/460V (cont.)

Please consult AWEF table on page 109 to confirm DOE compliance per model

Model	Compressor	Condensing Unit						Remote Loads: Two Contactors							
		Compressor		Condenser		Air Defrost		Low Amps "2L"				High Amps "2H"			
		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
ACV0120LDACD	4DBNF54KE	23.0	110.0	2	6.6	35.4	50	10	19	45.4	60	15	38	50.4	70
ACV0150LDACD	4DHNF63KE	23.6	139.0	2	6.6	36.1	50	15	32	51.1	70	15	48	60.0	70
ACV0220LDACD	4DJNF76KE	28.8	187.0	2	6.6	42.7	70	15	48	60.0	80	15	64	80.0	80
ACV0270LDACD	6DHNF93KE	36.2	225.0	2	6.6	51.9	80	15	48	66.9	100	15	64	80.0	100
ACV0300LDACD	6DJNF11ME	42.9	235.0	2	6.6	60.2	100	15	48	75.2	100	15	80	100.0	100
ACV0400LDACD	6DUNF13ME	60.9	367.0	3	6.6	86.0	125	15	48	101.0	150	15	80	101.0	150

Model	Compressor	Condensing Unit						Remote Loads: One Contactor							
		Compressor		Condenser		Air Defrost		Low Amps "1L"				High Amps "1H"			
		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
ACV0120LDACD	4DBNF54KE	23.0	110.0	2	6.6	35.4	50	10	19	45.4	60	10	24	45.4	60
ACV0150LDACD	4DHNF63KE	23.6	139.0	2	6.6	36.1	50	15	24	51.1	70	15	40	51.1	70
ACV0220LDACD	4DJNF76KE	28.8	187.0	2	6.6	42.7	70	15	40	57.7	80	15	48	60.0	80
ACV0270LDACD	6DHNF93KE	36.2	225.0	2	6.6	51.9	80	15	40	66.9	100	15	48	66.9	100
ACV0300LDACD	6DJNF11ME	42.9	235.0	2	6.6	60.2	100	15	40	75.2	110	15	48	75.2	110
ACV0400LDACD	6DUNF13ME	60.9	367.0	3	6.6	86.0	125	15	40	101.0	150	15	48	101.0	150

A1 ELECTRICAL DATA

Medium Temperature - Copeland Discus™ Compressor Models/208-230V

Please consult AWEF table on page 109 to confirm DOE compliance per model

Model	Compressor	Condensing Unit						Remote Loads: Four Contactors							
		Compressor		Condenser		Air Defrost		Low Amps "4L"				High Amps "4H"			
		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
ACV0150MCACD	3DS3R17ME	53.5	275.0	2	13.2	80.1	125	25	96	120.0	150	25	108	135.0	150
ACV0151MCACD	3DS3R17ME	53.5	275.0	2	13.2	80.1	125	25	96	120.0	150	25	108	135.0	150
ACV0200MCACD	4DBNR20ME	64.7	374.0	2	13.2	94.1	150	25	96	120.0	175	25	108	135.0	175
ACV0201MCACD	4DBNR20ME	64.7	374.0	2	13.2	94.1	150	25	96	120.0	175	25	108	135.0	175
ACV0250MCACD	4DHNR22ME	66.8	428.0	2	13.2	96.7	150	25	125	156.3	175	30	181	226.3	250
ACV0251MCACD	4DHNR22ME	66.8	428.0	3	19.8	103.3	150	25	125	156.3	175	30	181	226.3	250
ACV0260MCACD	4DHNR22ME	66.8	428.0	2	13.2	96.7	150	25	125	156.3	175	30	181	226.3	250
ACV0300MCACD	4DJNR28ME	94.6	470.0	2	13.2	131.5	225	30	149	186.3	250	30	181	226.3	250
ACV0301MCACD	4DJNR28ME	94.6	470.0	3	19.8	138.1	225	30	149	186.3	250	30	181	226.3	250
ACV0350MCACD	6DHNR35ME	112.3	565.0	3	19.8	160.2	250	35	160	200.0	300	35	192	240.0	300
ACV0351MCACD	6DHNR35ME	112.3	565.0	4	26.4	166.8	250	35	160	201.8	300	35	192	240.0	300
ACV0400MKACD*	6DJNR40ME	128.2	594.0	3	19.8	180.1	300	35	160	215.1	300	35	192	240.0	300
ACV0401MKACD*	6DJNR40ME	128.2	594.0	4	26.4	186.7	300	35	160	221.7	300	35	192	240.0	300

Model	Compressor	Condensing Unit						Remote Loads: Three Contactors							
		Compressor		Condenser		Air Defrost		Low Amps "4L"				High Amps "4H"			
		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
ACV0150MCACD	3DS3R17ME	53.5	275.0	2	13.2	80.1	125	25	96	120.0	150	25	96	120.0	150
ACV0151MCACD	3DS3R17ME	53.5	275.0	2	13.2	80.1	125	25	80	105.1	150	25	64	105.1	150
ACV0200MCACD	4DBNR20ME	64.7	374.0	2	13.2	94.1	150	22	96	120.0	175	25	96	120.0	175
ACV0201MCACD	4DBNR20ME	64.7	374.0	2	13.2	94.1	150	20	96	120.0	175	20	96	120.0	175
ACV0250MCACD	4DHNR22ME	66.8	428.0	2	13.2	96.7	150	20	96	120.0	175	25	120	150.0	175
ACV0251MCACD	4DHNR22ME	66.8	428.0	3	19.8	103.3	150	20	96	123.3	175	25	120	150.0	175
ACV0260MCACD	4DHNR22ME	66.8	428.0	2	13.2	96.7	150	20	96	120.0	175	25	96	121.7	175
ACV0300MCACD	4DJNR28ME	94.6	470.0	2	13.2	131.5	225	25	125	156.5	250	20	125	156.3	225
ACV0301MCACD	4DJNR28ME	94.6	470.0	3	19.8	138.1	225	25	125	163.1	250	25	125	163.1	250
ACV0350MCACD	6DHNR35ME	112.3	565.0	3	19.8	160.2	250	30	150	190.2	300	35	150	195.2	300
ACV0351MCACD	6DHNR35ME	112.3	565.0	4	26.4	166.8	250	30	150	196.8	300	35	150	201.8	300
ACV0400MKACD*	6DJNR40ME	128.2	594.0	3	19.8	180.1	300	30	150	210.1	300	30	150	210.1	300
ACV0401MKACD*	6DJNR40ME	128.2	594.0	4	26.4	186.7	300	30	150	216.7	300	35	150	221.7	300

A1 ELECTRICAL DATA

Medium Temperature - Copeland Discus™ Compressor Models/208-230V (cont.)

Please consult AWEF table on page 109 to confirm DOE compliance per model

		Condensing Unit						Remote Loads: Two Contactors							
Model	Compressor	Compressor		Condenser		Air Defrost		Low Amps "4L"				High Amps "4H"			
		RLA (Each)	LRA (Each)	No. Fans	FLA (Total)	MCA	MOPD	Evap. Fan Amps	Defrost Htrs. Amps	Electric Defrost MCA	MOPD	Evap. Fan Amps	Defrost Htrs. Amps	Electric Defrost MCA	MOPD
ACV0150MCACD	3DS3R17ME	53.5	275.0	2	13.2	80.1	125	25	80	105.1	150	25	96	120.0	150
ACV0151MCACD	3DS3R17ME	53.5	275.0	2	13.2	80.1	125	25	80	105.1	150	25	96	120.0	150
ACV0200MCACD	4DBNR20ME	64.7	374.0	2	13.2	94.1	150	20	80	114.1	175	20	96	120.0	175
ACV0201MCACD	4DBNR20ME	64.7	374.0	2	13.2	94.1	150	20	80	114.1	175	20	96	120.0	175
ACV0250MCACD	4DHNR22ME	66.8	428.0	2	13.2	96.7	150	-	-	-	-	-	-	-	-
ACV0251MCACD	4DHNR22ME	66.8	428.0	3	19.8	103.3	150	-	-	-	-	-	-	-	-
ACV0260MCACD	4DHNR22ME	66.8	428.0	2	13.2	96.7	150	-	-	-	-	-	-	-	-
ACV0300MCACD	4DJNR28ME	94.6	470.0	2	13.2	131.5	225	-	-	-	-	-	-	-	-
ACV0301MCACD	4DJNR28ME	94.6	470.0	3	19.8	138.1	225	-	-	-	-	-	-	-	-
ACV0350MCACD	6DHNR35ME	112.3	565.0	3	19.8	160.2	250	-	-	-	-	-	-	-	-
ACV0351MCACD	6DHNR35ME	112.3	565.0	4	26.4	166.8	250	-	-	-	-	-	-	-	-
ACV0400MKACD*	6DJNR40ME	128.2	594.0	3	19.8	180.1	300	-	-	-	-	-	-	-	-
ACV0401MKACD*	6DJNR40ME	128.2	594.0	4	26.4	186.7	300	-	-	-	-	-	-	-	-

		Condensing Unit						Remote Loads: One Contactor							
Model	Compressor	Compressor		Condenser		Air Defrost		Low Amps "4L"				High Amps "4H"			
		RLA (Each)	LRA (Each)	No. Fans	FLA (Total)	MCA	MOPD	Evap. Fan Amps	Defrost Htrs. Amps	Electric Defrost MCA	MOPD	Evap. Fan Amps	Defrost Htrs. Amps	Electric Defrost MCA	MOPD
ACV0150MCACD	3DS3R17ME	53.5	275.0	2	13.2	80.1	125	-	-	-	-	-	-	-	-
ACV0151MCACD	3DS3R17ME	53.5	275.0	2	13.2	80.1	125	-	-	-	-	-	-	-	-
ACV0200MCACD	4DBNR20ME	64.7	374.0	2	13.2	94.1	150	-	-	-	-	-	-	-	-
ACV0201MCACD	4DBNR20ME	64.7	374.0	2	13.2	94.1	150	-	-	-	-	-	-	-	-
ACV0250MCACD	4DHNR22ME	66.8	428.0	2	13.2	96.7	150	-	-	-	-	-	-	-	-
ACV0251MCACD	4DHNR22ME	66.8	428.0	3	19.8	103.3	150	-	-	-	-	-	-	-	-
ACV0260MCACD	4DHNR22ME	66.8	428.0	2	13.2	96.7	150	-	-	-	-	-	-	-	-
ACV0300MCACD	4DJNR28ME	94.6	470.0	2	13.2	131.5	225	-	-	-	-	-	-	-	-
ACV0301MCACD	4DJNR28ME	94.6	470.0	3	19.8	138.1	225	-	-	-	-	-	-	-	-
ACV0350MCACD	6DHNR35ME	112.3	565.0	3	19.8	160.2	250	-	-	-	-	-	-	-	-
ACV0351MCACD	6DHNR35ME	112.3	565.0	4	26.4	166.8	250	-	-	-	-	-	-	-	-
ACV0400MKACD*	6DJNR40ME	128.2	594.0	3	19.8	180.1	300	-	-	-	-	-	-	-	-
ACV0401MKACD*	6DJNR40ME	128.2	594.0	4	26.4	186.7	300	-	-	-	-	-	-	-	-

A1 ELECTRICAL DATA

Medium Temperature - Copeland Discus™ Compressor Models/460V

Please consult AWEF table on page 109 to confirm DOE compliance per model

		Condensing Unit						Remote Loads: Four Contactors							
Model	Compressor	Compressor		Condenser		Air Defrost		Low Amps "4L"				High Amps "4H"			
		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	
ACV0150MDACD	3DS3R17ME	26.0	138.0	2	6.6	39.1	60	15	48	60.0	80	15	64	80.0	80
ACV0151MDACD	3DS3R17ME	26.0	138.0	2	6.6	39.1	60	15	48	60.0	80	15	64	80.0	80
ACV0200MDACD	4DBNR20ME	32.4	187.0	2	6.6	47.1	70	15	48	62.1	90	15	64	80.0	90
ACV0201MDACD	4DBNR20ME	32.4	187.0	2	6.6	47.1	70	15	48	62.1	90	15	64	80.0	90
ACV0250MDACD	4DHNR22ME	33.4	214.0	2	6.6	48.3	80	20	64	80.0	100	20	96	120.0	125
ACV0251MDACD	4DHNR22ME	33.4	214.0	3	9.9	51.6	80	20	64	80.0	100	20	96	120.0	125
ACV0260MDACD	4DHNR22ME	33.4	214.0	2	6.6	48.3	80	20	64	80.0	100	20	96	120.0	125
ACV0300MDACD	4DJNR28ME	47.3	235.0	2	6.6	65.7	100	20	64	85.7	125	20	96	120.0	125
ACV0301MDACD	4DJNR28ME	47.3	235.0	3	9.9	69.0	100	20	64	89.0	125	20	96	120.0	125
ACV0350MDACD	6DHNR35ME	56.2	283.0	3	9.9	80.1	125	20	64	100.1	150	20	96	120.0	150
ACV0351MDACD	6DHNR35ME	56.2	283.0	4	13.2	83.4	125	20	64	103.4	150	20	96	120.0	150
ACV0400MDACD*	6DJNR40ME	64.1	297.0	3	9.9	90.0	150	20	64	110.0	150	20	96	120.0	150
ACV0401MDACD*	6DJNR40ME	64.1	297.0	4	13.2	93.3	150	20	64	113.3	175	20	96	120.0	175
ACV0500MDACD	6DUNR49ME	75	482	4	13.2	107	175	20	64	127	200	20	96	127	200

		Condensing Unit						Remote Loads: Three Contactors							
Model	Compressor	Compressor		Condenser		Air Defrost		Low Amps "4L"				High Amps "4H"			
		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	
ACV0150MDACD	3DS3R17ME	26.0	138.0	2	6.6	39.1	60	15	48	60.0	80	15	64	80.0	80
ACV0151MDACD	3DS3R17ME	26.0	138.0	2	6.6	39.1	60	15	48	60.0	80	15	64	80.0	80
ACV0200MDACD	4DBNR20ME	32.4	187.0	2	6.6	47.1	70	15	64	80.0	90	15	64	80.0	90
ACV0201MDACD	4DBNR20ME	32.4	187.0	2	6.6	47.1	70	15	48	62.1	90			47.1	70
ACV0250MDACD	4DHNR22ME	33.4	214.0	2	6.6	48.3	80	15	64	80.0	90	20	64	80.0	100
ACV0251MDACD	4DHNR22ME	33.4	214.0	3	9.9	51.6	80	15	64	80.0	100	20	80	100.0	100
ACV0260MDACD	4DHNR22ME	33.4	214.0	2	6.6	48.3	80	15	64	80.0	90	20	64	80.0	100
ACV0300MDACD	4DJNR28ME	47.3	235.0	2	6.6	65.7	100	20	64	85.7	125	20	64	85.7	125
ACV0301MDACD	4DJNR28ME	47.3	235.0	3	9.9	69.0	100	20	80	100.0	125	20	80	100.0	125
ACV0350MDACD	6DHNR35ME	56.2	283.0	3	9.9	80.1	125	20	64	100.1	150	20	96	120.0	150
ACV0351MDACD	6DHNR35ME	56.2	283.0	4	13.2	83.4	125	20	64	103.4	150	20	96	120.0	150
ACV0400MDACD*	6DJNR40ME	64.1	297.0	3	9.9	90.0	150	20	64	110.0	150	22	64	112.0	175
ACV0401MDACD*	6DJNR40ME	64.1	297.0	4	13.2	93.3	150	20	80	113.3	175	20	80	113.3	175
ACV0500MDACD	6DUNR49ME	75	482	4	13.2	107	175	20	64	127	200	22	64	129	200

A1 ELECTRICAL DATA

Medium Temperature - Copeland Discus™ Compressor Models/460V (cont.)

Please consult AWEF table on page 109 to confirm DOE compliance per model

Model	Compressor	Condensing Unit						Remote Loads: Two Contactors							
		Compressor		Condenser		Air Defrost		Low Amps "4L"				High Amps "4H"			
		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	
ACV0150MDACD	3DS3R17ME	26.0	138.0	2	6.6	39.1	60	15	48	60.0	80	15	64	80.0	80
ACV0151MDACD	3DS3R17ME	26.0	138.0	2	6.6	39.1	60	15	48	60.0	80	15	64	80.0	80
ACV0200MDACD	4DBNR20ME	32.4	187.0	2	6.6	47.1	70	15	48	62.1	90	15	64	80.0	90
ACV0201MDACD	4DBNR20ME	32.4	187.0	2	6.6	47.1	70	15	48	62.1	90	15	64	80.0	90
ACV0250MDACD	4DHNR22ME	33.4	214.0	2	6.6	48.3	80	15	48	63.3	90	15	80	100.0	100
ACV0251MDACD	4DHNR22ME	33.4	214.0	3	9.9	51.6	80	15	48	66.6	100	15	80	100.0	100
ACV0260MDACD	4DHNR22ME	33.4	214.0	2	6.6	48.3	80	15	48	63.3	90	15	80	100.0	100
ACV0300MDACD	4DJNR28ME	47.3	235.0	2	6.6	65.7	100	15	80	100.0	125	20	96	120.0	125
ACV0301MDACD	4DJNR28ME	47.3	235.0	3	9.9	69.0	100	15	80	100.0	125	20	96	120.0	125
ACV0350MDACD	6DHNR35ME	56.2	283.0	3	9.9	80.1	125	20	80	100.1	150	20	96	120.0	150
ACV0351MDACD	6DHNR35ME	56.2	283.0	4	13.2	83.4	125	20	80	103.4	150	20	96	120.0	150
ACV0400MDACD*	6DJNR40ME	64.1	297.0	3	9.9	90.0	150	20	80	110.0	150	20	96	120.0	150
ACV0401MDACD*	6DJNR40ME	64.1	297.0	4	13.2	93.3	150	20	80	113.3	175	20	96	120.0	175
ACV0500MDACD	6DUNR49ME	75	482	4	13.2	107	175	20	80	127	200	20	96	20	96

Model	Compressor	Condensing Unit						Remote Loads: One Contactor							
		Compressor		Condenser		Air Defrost		Low Amps "4L"				High Amps "4H"			
		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	
ACV0150MDACD	3DS3R17ME	26.0	138.0	2	6.6	39.1	60	15	40	54.1	80	15	48	60.0	80
ACV0151MDACD	3DS3R17ME	26.0	138.0	2	6.6	39.1	60	15	40	54.1	80	15	48	60.0	80
ACV0200MDACD	4DBNR20ME	32.4	187.0	2	6.6	47.1	70	15	40	62.1	90	15	48	62.1	90
ACV0201MDACD	4DBNR20ME	32.4	187.0	2	6.6	47.1	70	15	40	62.1	90	15	48	62.1	90
ACV0250MDACD	4DHNR22ME	33.4	214.0	2	6.6	48.3	80	-	-	-	-	-	-	-	-
ACV0251MDACD	4DHNR22ME	33.4	214.0	3	9.9	51.6	80	-	-	-	-	-	-	-	-
ACV0260MDACD	4DHNR22ME	33.4	214.0	2	6.6	48.3	80	-	-	-	-	-	-	-	-
ACV0300MDACD	4DJNR28ME	47.3	235.0	2	6.6	65.7	100	-	-	-	-	-	-	-	-
ACV0301MDACD	4DJNR28ME	47.3	235.0	3	9.9	69.0	100	-	-	-	-	-	-	-	-
ACV0350MDACD	6DHNR35ME	56.2	283.0	3	9.9	80.1	125	-	-	-	-	-	-	-	-
ACV0351MDACD	6DHNR35ME	56.2	283.0	4	13.2	83.4	125	-	-	-	-	-	-	-	-
ACV0400MDACD*	6DJNR40ME	64.1	297.0	3	9.9	90.0	150	-	-	-	-	-	-	-	-
ACV0401MDACD*	6DJNR40ME	64.1	297.0	4	13.2	93.3	150	-	-	-	-	-	-	-	-
ACV0500MDACD	6DUNR49ME	75	482	4	13.2	107	175	-	-	-	-	-	-	-	-

MODELS WITH BITZER SEMI-HERMETIC COMPRESSORS

A2L PERFORMANCE DATA – R-454C

Low Temperature Models - Bitzer Semi-Hermetic Compressors

Please consult AWEF table on page 108 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
ACV0130L^ABV	4JE-15Y	85,090	74,290	64,550	55,560	47,410	39,930	33,160	---	---
ACV0150L^ABV	4HE-18Y	85,170	74,340	64,610	55,590	47,440	39,950	33,170	---	---
ACV0200L^ABV	4GE-23Y	115,960	101,980	89,120	77,360	66,570	56,640	47,590	39,220	---
ACV0220L^ABV	6JE-25Y	124,400	108,790	94,800	81,760	69,910	59,090	49,230	40,170	---
ACV0250L^ABV	6HE-28Y	143,340	125,960	109,940	95,250	81,830	69,490	58,160	47,690	37,980
ACV0300L^ABV	6GE-34Y	143,340	125,960	109,940	95,250	81,830	69,490	58,160	47,690	37,980
ACV0400L^ABV	6FE-44Y	205,870	181,400	158,930	138,110	118,960	101,430	85,180	70,130	55,990

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
ACV0130L^ABV	4JE-15Y	81,180	70,820	61,360	52,680	44,840	37,640	31,120	---	---
ACV0150L^ABV	4HE-18Y	81,220	70,810	61,410	52,710	44,870	37,660	31,130	---	---
ACV0200L^ABV	4GE-23Y	110,880	97,410	85,020	73,660	63,340	53,820	45,150	37,130	---
ACV0220L^ABV	6JE-25Y	118,790	103,740	90,060	77,490	66,140	55,690	46,220	37,540	---
ACV0250L^ABV	6HE-28Y	136,870	120,080	104,620	90,490	77,500	65,710	54,830	44,800	35,490
ACV0300L^ABV	6GE-34Y	136,870	120,080	104,620	90,490	77,500	65,710	54,830	44,800	35,490
ACV0400L^ABV	6FE-44Y	196,790	173,230	151,600	131,540	113,220	96,350	80,800	66,330	52,820

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
ACV0130L^ABV	4JE-15Y	77,310	67,320	58,210	49,830	42,280	35,360	29,110	---	---
ACV0150L^ABV	4HE-18Y	77,360	67,360	58,240	49,860	42,300	35,400	29,140	---	---
ACV0200L^ABV	4GE-23Y	105,750	92,880	80,940	70,030	60,130	51,010	42,730	35,080	---
ACV0220L^ABV	6JE-25Y	113,230	98,650	85,440	73,310	62,370	52,310	43,210	34,890	---
ACV0250L^ABV	6HE-28Y	130,430	114,260	99,390	85,730	73,240	61,930	51,480	41,890	33,000
ACV0300L^ABV	6GE-34Y	130,430	114,260	99,390	85,730	73,240	61,930	51,480	41,890	33,000
ACV0400L^ABV	6FE-44Y	187,710	165,000	144,190	124,980	107,410	91,230	76,310	62,530	---

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
ACV0130L^ABV	4JE-15Y	69,700	60,430	51,950	44,190	37,220	30,850	---	---	---
ACV0150L^ABV	4HE-18Y	69,760	60,460	51,980	44,220	37,240	30,890	---	---	---
ACV0200L^ABV	4GE-23Y	95,830	83,830	72,880	62,850	53,770	45,450	37,910	31,010	---
ACV0220L^ABV	6JE-25Y	102,240	88,700	76,340	65,070	54,900	45,610	37,260	29,590	---
ACV0250L^ABV	6HE-28Y	117,720	102,650	88,960	76,320	64,790	54,380	44,820	36,080	27,960
ACV0300L^ABV	6GE-34Y	117,720	102,650	88,960	76,320	64,790	54,380	44,820	36,080	27,960
ACV0400L^ABV	6FE-44Y	169,540	148,850	129,590	111,920	95,770	81,020	67,430	54,880	43,150

Notes:

HEAD FAN REQUIRED

Liquid Injection via CIC is Required

^ 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 - Bitzer Semi-Hermetic Compressors

Please consult AWEF table on page 108 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
ACV0130L^ABV	4JE-15Y	87,880	76,710	66,500	57,150	48,650	40,900	33,890	---	---
ACV0150L^ABV	4HE-18Y	103,740	90,820	79,010	68,170	58,310	49,280	41,110	---	---
ACV0200L^ABV	4GE-23Y	119,920	105,290	92,050	79,840	68,700	58,500	49,170	40,570	---
ACV0220L^ABV	6JE-25Y	128,830	112,630	97,810	84,240	71,900	60,660	50,410	41,000	---
ACV0250L^ABV	6HE-28Y	148,400	130,290	113,580	98,400	84,400	71,630	59,940	49,140	---
ACV0300L^ABV	6GE-34Y	166,700	147,630	129,920	113,490	98,300	84,290	71,410	59,360	48,040
ACV0400L^ABV	6FE-44Y	212,720	187,430	164,080	142,570	122,830	104,690	88,030	72,520	---

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
ACV0130L^ABV	4JE-15Y	83,860	73,010	63,150	54,130	45,930	38,480	31,730	---	---
ACV0150L^ABV	4HE-18Y	99,090	86,570	75,160	64,720	55,230	46,560	38,690	---	---
ACV0200L^ABV	4GE-23Y	114,500	100,500	87,690	75,970	65,250	55,470	46,560	38,340	---
ACV0220L^ABV	6JE-25Y	123,030	107,180	92,890	79,800	67,870	57,040	47,160	38,150	---
ACV0250L^ABV	6HE-28Y	141,560	124,170	107,980	93,300	79,830	67,540	56,320	45,940	---
ACV0300L^ABV	6GE-34Y	159,390	141,020	123,980	108,200	93,650	80,170	67,760	56,290	45,480
ACV0400L^ABV	6FE-44Y	203,170	178,660	156,260	135,600	116,630	99,210	83,240	68,370	---

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
ACV0130L^ABV	4JE-15Y	79,780	69,300	59,780	51,100	43,200	36,020	29,530	---	---
ACV0150L^ABV	4HE-18Y	94,390	82,300	71,300	61,250	52,130	43,790	36,250	---	---
ACV0200L^ABV	4GE-23Y	109,090	95,640	83,340	72,060	61,790	52,430	43,880	36,040	---
ACV0220L^ABV	6JE-25Y	117,080	101,820	87,960	75,300	63,820	53,380	43,890	35,200	---
ACV0250L^ABV	6HE-28Y	134,700	117,830	102,370	88,150	75,220	63,390	52,650	42,700	---
ACV0300L^ABV	6GE-34Y	152,100	134,440	118,060	102,910	88,980	76,030	64,150	53,200	42,870
ACV0400L^ABV	6FE-44Y	193,650	169,890	148,470	128,590	110,370	93,690	78,390	64,170	---

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
ACV0130L^ABV	4JE-15Y	71,650	61,890	53,080	44,990	37,700	31,080	25,100	---	---
ACV0150L^ABV	4HE-18Y	84,990	73,780	63,600	54,310	45,880	38,240	31,320	---	---
ACV0200L^ABV	4GE-23Y	98,300	85,930	74,600	64,250	54,830	46,270	38,510	31,400	---
ACV0220L^ABV	6JE-25Y	105,180	90,980	78,120	66,340	55,660	45,980	37,210	29,210	---
ACV0250L^ABV	6HE-28Y	121,010	105,260	90,930	77,870	65,910	55,040	45,110	36,030	27,640
ACV0300L^ABV	6GE-34Y	137,630	121,350	106,290	92,340	79,500	67,720	56,880	46,900	37,510
ACV0400L^ABV	6FE-44Y	174,130	152,540	132,830	114,580	97,870	82,580	68,600	55,620	43,620

Notes:

HEAD FAN REQUIRED

Liquid Injection via CIC is Required

^ 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

Medium Temperature Models - Bitzer Semi-Hermetic Compressors

Please consult AWEF table on page 108 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
ACV0150M [^] ABV	4PES-15Y	158,970	142,940	127,920	113,990	101,000	89,100	78,210	59,430	44,220	---
ACV0200M [^] ABV	4NES-20Y	184,860	166,930	150,080	134,340	119,570	105,970	93,410	71,760	54,010	39,520
ACV0220M [^] ABV	4JE-22Y	204,380	185,310	167,060	150,010	133,890	119,050	105,290	81,140	61,210	44,700
ACV0250M [^] ABV	4HE-25Y	238,130	216,360	195,570	176,060	157,640	140,540	124,650	96,790	73,640	54,330
ACV0300M [^] ABV	4GE-30Y	278,750	252,740	228,020	205,050	183,420	163,410	145,000	112,610	85,710	63,380
ACV0330M [^] ABV	6JE-33Y	308,270	278,600	250,840	224,450	199,920	177,320	156,600	120,400	90,560	66,060
ACV0350M [^] ABV	6HE-35Y	355,460	322,270	290,840	261,200	233,590	208,060	184,420	142,980	108,740	80,180
ACV0400M [^] ABV	6GE-40Y	403,440	366,780	331,510	298,190	267,150	238,470	211,690	164,840	125,830	93,190
ACV0500M [^] ABV	6FE-50Y	485,310	441,920	400,390	360,970	324,240	289,970	257,900	201,510	154,180	114,340

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
ACV0150M [^] ABV	4PES-15Y	152,420	136,970	122,580	109,040	96,450	85,030	74,590	56,480	41,830	---
ACV0200M [^] ABV	4NES-20Y	177,440	160,190	143,920	128,610	114,480	101,370	89,320	68,420	51,330	37,440
ACV0220M [^] ABV	4JE-22Y	196,180	177,700	160,190	143,730	128,250	113,880	100,570	77,380	58,150	42,240
ACV0250M [^] ABV	4HE-25Y	228,290	207,420	187,550	168,770	151,020	134,560	119,250	92,410	70,180	51,590
ACV0300M [^] ABV	4GE-30Y	267,440	242,470	218,920	196,560	175,750	156,420	138,740	107,640	81,790	60,370
ACV0330M [^] ABV	6JE-33Y	296,410	267,740	240,880	215,150	191,660	169,850	149,820	114,780	86,020	62,430
ACV0350M [^] ABV	6HE-35Y	341,450	309,470	279,140	250,630	223,990	199,380	176,510	136,610	103,650	76,160
ACV0400M [^] ABV	6GE-40Y	387,170	352,000	317,760	286,040	256,170	228,550	202,910	157,670	120,080	88,690
ACV0500M [^] ABV	6FE-50Y	465,110	423,580	383,750	346,040	310,760	277,830	247,090	192,840	147,340	108,970

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
ACV0150M [^] ABV	4PES-15Y	145,840	131,040	117,140	104,100	92,040	80,980	70,950	53,510	39,460	---
ACV0200M [^] ABV	4NES-20Y	170,020	153,450	137,900	123,150	109,400	96,780	85,150	65,070	48,690	35,340
ACV0220M [^] ABV	4JE-22Y	187,940	170,180	153,330	137,440	122,520	108,680	95,910	73,540	55,020	39,740
ACV0250M [^] ABV	4HE-25Y	218,620	198,600	179,470	161,440	144,360	128,510	113,790	88,000	66,620	48,780
ACV0300M [^] ABV	4GE-30Y	256,010	232,160	209,500	188,000	168,020	149,640	132,460	102,590	77,810	57,230
ACV0330M [^] ABV	6JE-33Y	284,510	256,850	230,890	206,270	183,360	162,210	142,870	109,120	81,440	58,660
ACV0350M [^] ABV	6HE-35Y	327,280	296,640	267,330	239,970	214,320	190,620	168,680	130,200	98,440	72,010
ACV0400M [^] ABV	6GE-40Y	371,390	337,210	304,590	273,820	245,110	218,420	193,870	150,470	114,270	83,980
ACV0500M [^] ABV	6FE-50Y	444,860	405,160	366,650	330,950	297,090	265,310	236,170	183,970	140,280	103,360

Notes:

HEAD FAN REQUIRED

Liquid Injection via CIC is Required

[^] 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

Medium Temperature Models - Bitzer Semi-Hermetic Compressors

Please consult AWEF table on page 108 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
ACV0150M [^] ABV	4PES-15Y	132,930	119,330	106,380	94,270	83,130	72,920	63,680	47,580	34,670	---
ACV0200M [^] ABV	4NES-20Y	---	139,970	125,640	111,960	99,250	87,620	76,870	58,330	43,220	31,020
ACV0220M [^] ABV	4JE-22Y	---	---	139,660	124,850	111,010	98,190	86,370	65,700	48,610	34,560
ACV0250M [^] ABV	4HE-25Y	---	---	163,120	146,580	130,870	116,180	102,810	78,930	59,310	42,900
ACV0300M [^] ABV	4GE-30Y	233,290	211,600	190,500	170,740	152,310	135,370	119,610	92,210	69,430	50,600
ACV0330M [^] ABV	6JE-33Y	---	235,180	210,820	187,960	166,680	147,130	128,980	97,680	71,920	50,920
ACV0350M [^] ABV	6HE-35Y	---	270,700	243,740	218,500	194,610	172,760	152,580	116,990	87,680	63,320
ACV0400M [^] ABV	6GE-40Y	---	307,350	277,440	249,150	222,640	198,360	175,500	135,350	101,920	73,880
ACV0500M [^] ABV	6FE-50Y	---	---	333,450	300,520	269,470	240,390	213,630	165,640	125,430	91,230

Notes:

HEAD FAN REQUIRED

Liquid Injection via CIC is Required

[^] 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

Medium Temperature Models - Bitzer Semi-Hermetic Compressors

Please consult AWEF table on page 108 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
ACV0150M [^] ABV	4PES-15Y	165,360	148,560	132,790	118,150	104,530	92,110	80,750	61,200	45,300	---
ACV0200M [^] ABV	4NES-20Y	192,500	173,780	155,990	139,410	123,980	109,830	96,760	74,150	55,710	40,650
ACV0220M [^] ABV	4JE-22Y	212,570	192,520	173,410	155,450	138,670	123,240	108,840	83,750	62,970	45,790
ACV0250M [^] ABV	4HE-25Y	247,340	224,720	203,010	182,450	163,340	145,510	129,080	100,080	76,010	55,980
ACV0300M [^] ABV	4GE-30Y	288,850	261,800	236,140	212,010	189,600	168,930	149,730	116,240	88,420	65,340
ACV0330M [^] ABV	6JE-33Y	321,660	290,510	260,940	233,270	207,600	184,000	162,150	124,360	93,210	67,630
ACV0350M [^] ABV	6HE-35Y	369,400	334,840	302,040	271,130	242,280	215,730	190,940	147,880	112,210	82,530
ACV0400M [^] ABV	6GE-40Y	418,100	379,430	342,680	308,050	275,720	245,940	218,170	169,780	129,490	95,870
ACV0500M [^] ABV	6FE-50Y	485,310	441,920	400,390	360,970	324,240	289,970	257,900	201,510	154,180	114,340

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
ACV0150M [^] ABV	4PES-15Y	158,510	142,320	127,090	112,950	99,800	87,870	76,920	58,050	42,780	---
ACV0200M [^] ABV	4NES-20Y	184,700	166,640	149,510	133,510	118,620	104,950	92,330	70,570	52,830	38,390
ACV0220M [^] ABV	4JE-22Y	203,950	184,620	166,210	148,860	132,680	117,770	103,840	79,640	59,650	43,090
ACV0250M [^] ABV	4HE-25Y	237,230	215,420	194,460	174,750	156,310	139,170	123,280	95,370	72,210	52,940
ACV0300M [^] ABV	4GE-30Y	276,960	250,980	226,270	203,060	181,550	161,500	143,120	110,840	84,140	61,940
ACV0330M [^] ABV	6JE-33Y	309,200	278,990	250,510	223,760	199,010	175,970	154,980	118,340	88,310	63,620
ACV0350M [^] ABV	6HE-35Y	354,680	321,440	289,770	259,960	232,120	206,450	182,610	141,010	106,620	78,020
ACV0400M [^] ABV	6GE-40Y	400,950	363,670	328,310	295,100	263,990	235,110	208,620	161,950	123,170	90,800
ACV0500M [^] ABV	6FE-50Y	465,110	423,580	383,750	346,040	310,760	277,830	247,090	192,840	147,340	108,970

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
ACV0150M [^] ABV	4PES-15Y	151,630	136,080	121,390	107,720	95,040	83,580	73,040	54,870	40,180	---
ACV0200M [^] ABV	4NES-20Y	176,860	159,510	143,020	127,580	113,210	100,030	87,940	66,950	49,890	36,040
ACV0220M [^] ABV	4JE-22Y	195,250	176,610	158,890	142,230	126,570	112,200	98,840	75,480	56,220	40,280
ACV0250M [^] ABV	4HE-25Y	226,970	205,920	185,970	166,990	149,180	132,780	117,340	90,540	68,280	49,760
ACV0300M [^] ABV	4GE-30Y	265,020	239,940	216,300	194,000	173,290	153,980	136,350	105,330	79,690	58,360
ACV0330M [^] ABV	6JE-33Y	296,540	267,560	239,940	214,130	190,170	167,890	147,620	112,230	83,240	59,410
ACV0350M [^] ABV	6HE-35Y	339,700	307,880	277,270	248,610	221,750	196,930	174,120	134,070	100,850	73,340
ACV0400M [^] ABV	6GE-40Y	383,750	348,000	314,000	281,960	252,210	224,310	198,830	153,920	116,640	85,470
ACV0500M [^] ABV	6FE-50Y	444,860	405,160	366,650	330,950	297,090	265,310	236,170	183,970	140,280	103,360

Notes:

HEAD FAN REQUIRED

Liquid Injection via CIC is Required

[^] 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

Medium Temperature Models - Bitzer Semi-Hermetic Compressors

Please consult AWEF table on page 108 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
ACV0150M [^] ABV	4PES-15Y	138,000	123,560	110,010	97,310	85,630	74,950	65,220	48,410	34,890	---
ACV0200M [^] ABV	4NES-20Y	---	---	129,860	115,640	102,330	90,140	78,940	59,570	43,820	31,070
ACV0220M [^] ABV	4JE-22Y	---	---	---	128,780	114,380	100,960	88,560	66,970	49,110	34,390
ACV0250M [^] ABV	4HE-25Y	---	---	---	151,190	134,770	119,460	105,430	80,690	60,140	43,060
ACV0300M [^] ABV	4GE-30Y	---	217,950	196,110	175,630	156,430	138,760	122,460	93,980	70,360	50,810
ACV0330M [^] ABV	6JE-33Y	---	---	218,720	194,740	172,260	151,620	132,730	99,750	72,750	50,640
ACV0350M [^] ABV	6HE-35Y	---	---	252,310	225,750	200,760	177,910	156,670	119,590	88,860	63,350
ACV0400M [^] ABV	6GE-40Y	---	---	284,810	255,430	227,730	202,340	178,710	137,390	102,960	74,170
ACV0500M [^] ABV	6FE-50Y	---	---	333,450	300,520	269,470	240,390	213,630	165,640	125,430	91,230

Notes:

HEAD FAN REQUIRED

Liquid Injection via CIC is Required

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

For 50 cycle capacity, multiply values by .86

A1 PERFORMANCE DATA – R-404A/R-507A

Low Temperature - Bitzer Compressor Models

Please consult AWEF table on page 110 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
ACV0130L [^] ABX	4JE-15Y	111,700	99,550	88,240	77,820	68,080	59,100	50,830	43,160	36,110
ACV0150L [^] ABX	4HE-18Y	130,850	116,930	104,020	92,030	80,820	70,460	60,920	52,020	43,840
ACV0200L [^] ABX	4GE-23Y	150,080	135,040	120,600	107,140	94,550	82,950	72,110	62,060	52,700
ACV0220L [^] ABX	6JE-25Y	156,840	140,330	125,240	111,010	97,500	85,120	73,610	62,920	52,930
ACV0250L [^] ABX	6HE-28Y	181,490	163,270	146,260	130,210	114,810	100,460	87,310	74,940	63,430
ACV0300L [^] ABX	6GE-34Y	206,290	187,800	169,700	152,590	136,200	120,680	105,990	91,950	78,960
ACV0400L [^] ABX	6FE-44Y	263,440	237,840	213,680	190,230	168,160	147,500	128,430	110,460	93,670

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
ACV0130L [^] ABX	4JE-15Y	106,180	94,630	83,910	73,820	64,480	55,800	47,880	40,560	33,800
ACV0150L [^] ABX	4HE-18Y	124,540	111,350	98,920	87,460	76,740	66,810	57,670	49,130	41,290
ACV0200L [^] ABX	4GE-23Y	142,820	128,550	114,820	101,980	90,060	78,880	68,530	58,910	49,960
ACV0220L [^] ABX	6JE-25Y	148,940	133,250	118,810	105,050	92,220	80,400	69,370	59,050	49,540
ACV0250L [^] ABX	6HE-28Y	172,230	154,950	138,800	123,490	108,920	95,060	82,500	70,650	59,550
ACV0300L [^] ABX	6GE-34Y	195,540	178,190	161,120	144,970	129,440	114,680	100,570	87,250	74,820
ACV0400L [^] ABX	6FE-44Y	250,470	226,260	203,330	180,850	159,870	140,240	121,820	104,520	88,330

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
ACV0130L [^] ABX	4JE-15Y	100,840	89,690	79,470	69,830	60,890	52,610	44,980	37,970	31,500
ACV0150L [^] ABX	4HE-18Y	118,160	105,560	93,790	82,880	72,650	63,160	54,360	46,260	38,760
ACV0200L [^] ABX	4GE-23Y	135,510	121,980	109,130	96,780	85,460	74,790	64,950	55,770	47,240
ACV0220L [^] ABX	6JE-25Y	140,870	126,110	112,540	99,360	87,090	75,690	65,140	55,260	46,170
ACV0250L [^] ABX	6HE-28Y	162,880	146,550	131,280	116,720	102,720	89,790	77,680	66,350	55,720
ACV0300L [^] ABX	6GE-34Y	184,560	168,420	152,390	137,210	122,790	108,440	95,170	82,590	70,620
ACV0400L [^] ABX	6FE-44Y	237,350	214,530	192,780	171,390	151,480	132,760	115,130	98,520	82,830

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
ACV0130L [^] ABX	4JE-15Y	89,750	79,930	70,600	61,870	53,720	46,150	39,250	32,870	26,970
ACV0150L [^] ABX	4HE-18Y	105,390	94,040	83,650	73,720	64,480	55,820	47,910	40,570	33,770
ACV0200L [^] ABX	4GE-23Y	120,900	108,810	97,180	86,440	76,200	66,670	57,820	49,560	41,820
ACV0220L [^] ABX	6JE-25Y	124,640	111,770	99,330	87,610	76,680	66,360	56,690	47,790	39,540
ACV0250L [^] ABX	6HE-28Y	143,650	129,650	116,350	103,180	90,700	79,000	68,060	57,700	48,120
ACV0300L [^] ABX	6GE-34Y	-	148,590	134,640	121,410	108,700	96,230	84,250	72,890	62,060
ACV0400L [^] ABX	6FE-44Y	210,640	190,640	171,040	152,410	134,640	117,620	101,590	86,330	71,960

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

A1 PERFORMANCE DATA – R-448A/R-449A

Low Temperature - Bitzer Compressor Models

Please consult AWEF table on page 110 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
ACV0130L [^] ABX	4JE-15Y	100,830	88,480	77,320	67,020	57,620	49,050	41,210	34,030	27,430
ACV0150L [^] ABX	4HE-18Y	118,460	104,430	91,470	79,640	68,760	58,820	49,770	41,390	33,690
ACV0200L [^] ABX	4GE-23Y	137,410	121,420	106,910	93,420	81,120	69,800	59,460	49,910	41,050
ACV0220L [^] ABX	6JE-25Y	143,770	126,760	111,160	96,570	83,330	71,210	60,160	49,920	40,520
ACV0250L [^] ABX	6HE-28Y	167,600	148,280	130,440	113,730	98,450	84,510	71,690	59,860	48,860
ACV0300L [^] ABX	6GE-34Y	195,570	174,760	155,190	136,860	119,650	103,680	88,960	75,380	62,650
ACV0400L [^] ABX	6FE-44Y	243,340	215,940	190,280	166,410	144,410	124,270	105,710	88,490	72,520

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
ACV0130L [^] ABX	4JE-15Y	96,440	84,550	73,760	63,810	54,710	46,380	38,850	31,920	25,550
ACV0150L [^] ABX	4HE-18Y	113,570	99,950	87,430	76,020	65,520	55,930	47,160	39,110	31,680
ACV0200L [^] ABX	4GE-23Y	131,790	116,440	102,430	89,440	77,580	66,690	56,720	47,520	38,980
ACV0220L [^] ABX	6JE-25Y	137,490	121,050	105,930	91,810	79,060	67,360	56,630	46,810	37,760
ACV0250L [^] ABX	6HE-28Y	160,480	141,620	124,500	108,350	93,610	80,180	67,810	56,390	45,760
ACV0300L [^] ABX	6GE-34Y	187,340	167,290	148,560	131,040	114,450	99,040	84,910	71,710	-
ACV0400L [^] ABX	6FE-44Y	233,410	207,030	182,120	159,220	137,920	118,440	100,430	83,700	68,070

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
ACV0130L [^] ABX	4JE-15Y	92,100	80,600	70,200	60,590	51,810	43,760	36,490	29,810	23,680
ACV0150L [^] ABX	4HE-18Y	108,590	95,460	83,490	72,420	62,290	53,050	44,590	36,840	-
ACV0200L [^] ABX	4GE-23Y	126,160	111,550	97,940	85,450	74,070	63,580	54,000	45,150	-
ACV0220L [^] ABX	6JE-25Y	131,230	115,360	100,610	87,080	74,810	63,520	53,180	43,720	-
ACV0250L [^] ABX	6HE-28Y	152,910	135,050	118,550	103,130	88,770	75,830	63,910	52,900	-
ACV0300L [^] ABX	6GE-34Y	178,960	159,930	141,960	125,130	109,060	94,330	80,730	67,970	-
ACV0400L [^] ABX	6FE-44Y	223,430	198,050	174,120	151,950	131,380	112,550	95,090	78,850	-

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
ACV0130L [^] ABX	4JE-15Y	83,460	72,890	63,140	54,200	45,990	38,570	31,810	25,660	-
ACV0150L [^] ABX	4HE-18Y	98,720	86,550	75,490	65,250	55,880	47,330	39,510	32,350	-
ACV0200L [^] ABX	4GE-23Y	114,960	101,530	89,020	77,610	67,080	57,450	48,590	40,490	-
ACV0220L [^] ABX	6JE-25Y	118,760	104,140	90,540	77,900	66,420	55,870	46,340	-	-
ACV0250L [^] ABX	6HE-28Y	138,360	122,110	106,640	92,280	79,210	67,150	56,110	-	-
ACV0300L [^] ABX	6GE-34Y	-	-	128,530	113,090	98,440	-	-	-	-
ACV0400L [^] ABX	6FE-44Y	203,650	179,970	158,000	137,280	118,320	100,640	84,310	-	-

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 - Bitzer Compressor Models

Please consult AWEF table on page 110 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
ACV0130L [^] ABX	4JE-15Y	98,060	85,580	74,180	63,520	53,670	44,560	36,200	28,440	21,230
ACV0150L [^] ABX	4HE-18Y	116,360	101,930	88,590	76,320	64,870	54,300	44,510	35,440	26,970
ACV0200L [^] ABX	4GE-23Y	136,640	120,270	105,260	91,150	78,180	66,110	54,930	44,490	34,690
ACV0220L [^] ABX	6JE-25Y	139,380	122,320	106,260	91,320	77,530	64,620	52,580	41,390	30,910
ACV0250L [^] ABX	6HE-28Y	165,720	146,000	127,650	110,210	93,870	78,920	64,950	51,810	39,540
ACV0300L [^] ABX	6GE-34Y	185,790	163,950	143,750	124,780	106,740	89,790	74,260	59,540	45,620
ACV0400L [^] ABX	6FE-44Y	236,410	208,340	181,710	157,070	134,320	113,110	93,490	75,160	57,910

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
ACV0130L [^] ABX	4JE-15Y	93,350	81,420	70,340	60,080	50,610	41,850	33,850	26,420	19,540
ACV0150L [^] ABX	4HE-18Y	111,020	97,130	84,350	72,430	61,420	51,260	41,880	33,180	25,110
ACV0200L [^] ABX	4GE-23Y	130,760	115,010	100,470	86,900	74,430	62,810	52,080	42,080	32,700
ACV0220L [^] ABX	6JE-25Y	132,580	116,350	100,780	86,270	73,050	60,570	49,110	38,410	28,460
ACV0250L [^] ABX	6HE-28Y	157,960	138,990	121,260	104,440	88,910	74,480	61,080	48,490	36,760
ACV0300L [^] ABX	6GE-34Y	176,640	156,080	136,650	118,340	100,970	84,890	69,890	55,810	42,510
ACV0400L [^] ABX	6FE-44Y	225,800	198,730	173,030	149,370	127,460	107,110	88,290	70,720	54,260

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
ACV0130L [^] ABX	4JE-15Y	88,690	77,200	66,550	56,670	47,580	39,180	31,520	24,450	17,880
ACV0150L [^] ABX	4HE-18Y	105,850	92,360	80,070	68,600	58,020	48,280	39,280	30,970	23,270
ACV0200L [^] ABX	4GE-23Y	124,910	109,780	95,770	82,710	70,720	59,560	49,280	39,700	30,740
ACV0220L [^] ABX	6JE-25Y	125,860	110,180	95,390	81,460	68,640	56,680	45,700	35,490	26,020
ACV0250L [^] ABX	6HE-28Y	150,280	132,000	114,990	98,830	83,950	70,090	57,270	45,240	34,050
ACV0300L [^] ABX	6GE-34Y	168,040	148,320	129,660	112,040	95,370	79,980	65,630	52,090	39,460
ACV0400L [^] ABX	6FE-44Y	215,290	189,150	164,760	141,760	120,730	101,180	83,160	66,300	50,690

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
ACV0130L [^] ABX	4JE-15Y	79,510	68,950	59,120	50,030	41,640	33,990	27,010	20,610	14,670
ACV0150L [^] ABX	4HE-18Y	95,380	82,980	71,680	61,110	51,390	42,420	34,240	26,680	19,720
ACV0200L [^] ABX	4GE-23Y	113,440	99,590	86,550	74,590	63,500	53,260	43,850	35,120	26,970
ACV0220L [^] ABX	6JE-25Y	112,690	98,000	84,410	71,840	60,080	49,120	39,130	29,910	21,330
ACV0250L [^] ABX	6HE-28Y	135,260	118,450	102,780	87,910	74,310	61,620	49,910	38,960	28,840
ACV0300L [^] ABX	6GE-34Y	-	133,160	116,230	99,760	84,640	70,490	57,390	45,070	33,630
ACV0400L [^] ABX	6FE-44Y	194,920	170,320	147,960	127,080	107,660	89,740	73,270	57,920	43,720

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

Low Temperature - Bitzer Compressor Models

Please consult AWEF table on page 110 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
ACV0130L [^] ABX	4JE-15Y	85,150	73,620	62,980	-	-	-	-	-	-
ACV0150L [^] ABX	4HE-18Y	101,490	88,140	75,830	-	-	-	-	-	-
ACV0200L [^] ABX	4GE-23Y	116,320	101,060	87,160	-	-	-	-	-	-
ACV0220L [^] ABX	6JE-25Y	121,980	105,980	90,780	-	-	-	-	-	-
ACV0250L [^] ABX	6HE-28Y	145,700	126,840	109,290	-	-	-	-	-	-
ACV0300L [^] ABX	6GE-34Y	164,930	143,710	124,270	-	-	-	-	-	-
ACV0400L [^] ABX	6FE-44Y	209,620	182,470	157,650	-	-	-	-	-	-

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
ACV0130L [^] ABX	4JE-15Y	81,190	70,040	59,720	-	-	-	-	-	-
ACV0150L [^] ABX	4HE-18Y	97,010	84,100	72,090	-	-	-	-	-	-
ACV0200L [^] ABX	4GE-23Y	111,210	96,420	82,980	-	-	-	-	-	-
ACV0220L [^] ABX	6JE-25Y	116,190	100,660	86,100	-	-	-	-	-	-
ACV0250L [^] ABX	6HE-28Y	138,950	120,800	103,930	-	-	-	-	-	-
ACV0300L [^] ABX	6GE-34Y	157,500	136,850	118,140	-	-	-	-	-	-
ACV0400L [^] ABX	6FE-44Y	200,580	174,410	150,250	-	-	-	-	-	-

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
ACV0130L [^] ABX	4JE-15Y	77,260	66,380	56,470	-	-	-	-	-	-
ACV0150L [^] ABX	4HE-18Y	92,640	80,060	68,420	-	-	-	-	-	-
ACV0200L [^] ABX	4GE-23Y	106,260	91,930	78,820	-	-	-	-	-	-
ACV0220L [^] ABX	6JE-25Y	110,440	95,250	81,380	-	-	-	-	-	-
ACV0250L [^] ABX	6HE-28Y	132,410	114,850	98,530	-	-	-	-	-	-
ACV0300L [^] ABX	6GE-34Y	149,860	130,130	112,050	-	-	-	-	-	-
ACV0400L [^] ABX	6FE-44Y	191,550	166,330	142,880	-	-	-	-	-	-

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
ACV0130L [^] ABX	4JE-15Y	69,450	59,290	50,060	-	-	-	-	-	-
ACV0150L [^] ABX	4HE-18Y	83,780	72,040	-	-	-	-	-	-	-
ACV0200L [^] ABX	4GE-23Y	-	-	-	-	-	-	-	-	-
ACV0220L [^] ABX	6JE-25Y	-	-	-	-	-	-	-	-	-
ACV0250L [^] ABX	6HE-28Y	-	-	-	-	-	-	-	-	-
ACV0300L [^] ABX	6GE-34Y	-	-	-	-	-	-	-	-	-
ACV0400L [^] 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 - Bitzer Compressor Models

Please consult AWEF table on page 110 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	-20°F
ACV0150M^ABX	4PES-15Y	189,360	173,520	158,000	143,410	129,580	116,380	103,850	81,850	63,180	47,570
ACV0200M^ABX	4NES-20Y	215,980	198,950	182,350	166,040	150,750	136,250	122,490	97,450	76,320	58,430
ACV0220M^ABX	4JE-22Y	234,830	217,970	200,540	183,460	166,930	151,450	136,840	109,470	85,970	65,780
ACV0250M^ABX	4HE-25Y	267,480	248,910	230,820	212,060	194,000	176,250	159,790	129,150	102,290	79,200
ACV0300M^ABX	4GE-30Y	326,150	301,390	277,290	253,610	231,110	210,150	189,620	152,650	120,820	93,440
ACV0330M^ABX	6JE-33Y	358,800	330,940	303,730	276,760	251,630	227,510	204,870	163,240	127,810	97,590
ACV0350M^ABX	6HE-35Y	402,260	374,340	345,570	316,720	288,980	262,970	237,970	192,030	151,790	117,300
ACV0400M^ABX	6GE-40Y	468,100	433,880	400,270	366,870	335,400	305,230	276,420	223,010	176,890	137,120
ACV0500M^ABX	6FE-50Y	543,930	507,080	471,650	435,260	398,920	364,820	331,560	269,730	214,810	167,150

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	-20°F
ACV0150M^ABX	4PES-15Y	180,030	164,700	150,280	136,360	123,070	110,430	98,690	77,540	59,610	44,710
ACV0200M^ABX	4NES-20Y	204,670	189,200	173,480	158,270	143,470	129,560	116,410	92,700	72,370	55,200
ACV0220M^ABX	4JE-22Y	222,980	206,590	190,120	174,480	158,780	144,070	130,100	103,930	81,430	62,060
ACV0250M^ABX	4HE-25Y	253,540	236,140	219,070	201,520	184,060	167,650	151,990	122,880	97,240	75,030
ACV0300M^ABX	4GE-30Y	309,960	286,680	263,910	241,790	220,160	200,150	180,610	145,500	114,930	88,720
ACV0330M^ABX	6JE-33Y	341,530	315,160	289,220	263,700	239,740	217,010	194,800	155,270	121,070	91,960
ACV0350M^ABX	6HE-35Y	381,760	355,710	327,930	301,260	274,980	250,320	226,840	182,560	144,210	111,120
ACV0400M^ABX	6GE-40Y	444,500	412,470	380,540	349,110	319,340	291,030	263,350	212,380	168,330	130,230
ACV0500M^ABX	6FE-50Y	516,510	482,300	447,550	413,380	379,100	346,810	315,600	257,020	204,420	158,790

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	-20°F
ACV0150M^ABX	4PES-15Y	170,650	156,190	142,510	129,190	116,620	104,600	93,450	73,250	56,110	41,890
ACV0200M^ABX	4NES-20Y	194,470	179,360	164,530	149,850	136,120	123,080	110,530	87,840	68,450	52,050
ACV0220M^ABX	4JE-22Y	210,930	195,660	180,530	165,410	150,550	136,620	123,290	98,360	76,900	58,290
ACV0250M^ABX	4HE-25Y	239,510	223,140	207,330	190,970	174,620	158,910	144,090	116,600	92,060	70,860
ACV0300M^ABX	4GE-30Y	293,680	271,810	250,360	228,900	209,040	190,030	171,580	138,150	109,010	83,940
ACV0330M^ABX	6JE-33Y	324,050	299,210	274,610	250,450	227,480	206,040	184,930	147,090	114,330	86,420
ACV0350M^ABX	6HE-35Y	361,090	335,390	310,660	285,580	260,800	237,510	215,250	173,130	136,560	104,920
ACV0400M^ABX	6GE-40Y	420,830	390,450	360,640	331,090	302,970	276,330	249,630	201,630	159,690	123,290
ACV0500M^ABX	6FE-50Y	485,390	454,040	423,210	391,180	358,850	328,700	299,330	243,910	194,090	150,340

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

A1 PERFORMANCE DATA – R-404A/R-507A

Medium Temperature - Bitzer Compressor Models (cont.)

Please consult AWEF table on page 110 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	-20°F
ACV0150M [^] ABX	4PES-15Y	151,810	138,980	126,910	114,980	103,690	93,110	82,980	64,740	49,220	36,370
ACV0200M [^] ABX	4NES-20Y	172,790	159,530	146,440	133,520	121,520	109,580	98,390	78,160	60,640	45,830
ACV0220M [^] ABX	4JE-22Y	-	174,040	160,410	146,740	133,970	121,760	109,670	87,390	67,850	50,940
ACV0250M [^] ABX	4HE-25Y	-	-	183,780	169,130	154,670	141,260	128,380	103,470	81,680	62,550
ACV0300M [^] ABX	4GE-30Y	260,830	241,640	222,600	204,040	186,660	169,640	153,050	123,300	97,090	74,470
ACV0330M [^] ABX	6JE-33Y	288,610	266,670	245,060	223,270	203,190	183,590	164,900	130,750	100,930	75,430
ACV0350M [^] ABX	6HE-35Y	-	298,190	275,810	253,900	232,110	211,530	191,700	154,040	121,200	92,500
ACV0400M [^] ABX	6GE-40Y	372,580	346,420	320,490	294,430	269,780	245,940	222,680	180,000	142,150	109,200
ACV0500M [^] ABX	6FE-50Y	-	-	373,770	346,020	318,140	291,940	266,580	216,890	172,740	133,210

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

A1 PERFORMANCE DATA – R-448A/R-449A

Medium Temperature - Bitzer Compressor Models

Please consult AWEF table on page 110 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	-20°F
ACV0150M [^] ABX	4PES-15Y	185,950	167,980	150,950	135,100	120,130	106,470	93,980	72,170	54,280	39,700
ACV0200M [^] ABX	4NES-20Y	215,390	195,190	176,270	158,410	141,710	126,320	111,990	86,950	66,350	49,370
ACV0220M [^] ABX	4JE-22Y	236,480	215,060	195,000	175,910	157,910	141,310	125,520	97,760	74,710	55,350
ACV0250M [^] ABX	4HE-25Y	272,520	249,170	226,290	204,950	184,690	165,720	148,090	116,230	89,630	67,190
ACV0300M [^] ABX	4GE-30Y	324,280	295,650	268,220	242,270	218,040	195,250	174,170	136,730	105,490	79,270
ACV0330M [^] ABX	6JE-33Y	357,290	324,680	293,500	264,050	236,680	210,910	187,070	145,350	110,700	81,880
ACV0350M [^] ABX	6HE-35Y	407,260	371,350	337,460	305,130	274,600	246,060	219,460	172,100	132,600	99,440
ACV0400M [^] ABX	6GE-40Y	468,360	428,060	389,160	352,180	317,550	284,770	254,150	200,070	154,760	116,520
ACV0500M [^] ABX	6FE-50Y	555,680	509,740	464,670	422,050	381,560	343,460	307,800	243,440	188,420	142,010

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	-20°F
ACV0150M [^] ABX	4PES-15Y	178,450	161,140	144,700	129,370	114,880	101,740	89,690	68,620	51,400	37,370
ACV0200M [^] ABX	4NES-20Y	206,940	187,480	169,260	152,030	136,050	121,040	107,270	83,060	63,180	46,820
ACV0220M [^] ABX	4JE-22Y	227,130	206,500	187,160	168,760	151,300	135,280	120,100	93,260	70,990	52,230
ACV0250M [^] ABX	4HE-25Y	261,540	239,150	217,160	196,630	177,150	158,890	141,900	111,160	85,490	63,830
ACV0300M [^] ABX	4GE-30Y	311,450	283,970	257,620	232,650	209,330	187,180	166,930	130,960	100,850	75,560
ACV0330M [^] ABX	6JE-33Y	343,630	312,250	282,160	253,670	227,180	202,220	179,210	138,650	105,150	77,280
ACV0350M [^] ABX	6HE-35Y	391,240	356,730	324,170	293,060	263,430	236,250	210,410	164,650	126,490	94,430
ACV0400M [^] ABX	6GE-40Y	449,780	411,120	373,800	338,260	304,900	273,340	243,940	191,720	147,970	111,010
ACV0500M [^] ABX	6FE-50Y	532,520	488,730	445,600	404,990	366,190	329,590	295,300	233,110	180,370	135,340

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	-20°F
ACV0150M [^] ABX	4PES-15Y	170,990	154,300	138,460	123,680	109,880	97,030	85,440	65,120	48,550	35,070
ACV0200M [^] ABX	4NES-20Y	198,510	179,770	162,230	145,660	130,260	115,780	102,400	79,150	60,050	44,310
ACV0220M [^] ABX	4JE-22Y	217,750	198,290	179,320	161,480	144,800	129,330	114,600	88,850	67,270	49,160
ACV0250M [^] ABX	4HE-25Y	250,510	229,100	207,980	188,330	169,590	152,020	135,570	106,060	81,330	60,460
ACV0300M [^] ABX	4GE-30Y	298,550	272,210	246,930	222,960	200,520	179,240	159,710	125,170	96,170	71,830
ACV0330M [^] ABX	6JE-33Y	330,580	299,790	270,790	243,270	217,670	193,520	171,150	132,010	99,610	72,670
ACV0350M [^] ABX	6HE-35Y	375,190	342,030	310,830	280,760	252,500	226,240	201,350	157,180	120,350	89,380
ACV0400M [^] ABX	6GE-40Y	431,110	394,050	358,300	324,190	292,220	261,860	233,640	183,230	141,070	105,420
ACV0500M [^] ABX	6FE-50Y	509,690	467,900	426,670	387,840	350,680	316,020	282,710	222,890	172,070	128,490

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

A1 PERFORMANCE DATA – R-448A/R-449A

Medium Temperature - Bitzer Compressor Models (cont.)

Please consult AWEF table on page 110 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	-20°F
ACV0150M^ABX	4PES-15Y	156,150	140,780	126,290	112,360	99,500	87,820	77,000	58,250	42,940	30,590
ACV0200M^ABX	4NES-20Y	-	-	148,350	133,060	118,810	105,320	92,990	71,540	53,830	39,360
ACV0220M^ABX	4JE-22Y	-	-	-	147,240	131,800	117,440	103,940	79,900	59,860	43,030
ACV0250M^ABX	4HE-25Y	-	-	-	-	154,310	138,190	123,100	95,840	73,020	53,720
ACV0300M^ABX	4GE-30Y	-	-	225,550	203,730	182,830	163,490	145,310	113,520	86,790	64,280
ACV0330M^ABX	6JE-33Y	-	-	247,940	222,440	198,320	175,980	155,190	118,790	88,590	63,490
ACV0350M^ABX	6HE-35Y	-	-	-	-	230,440	206,190	182,960	142,160	108,000	79,220
ACV0400M^ABX	6GE-40Y	-	-	327,210	295,980	266,630	238,450	212,520	166,180	127,070	93,950
ACV0500M^ABX	6FE-50Y	-	-	-	-	319,370	287,720	257,160	202,100	155,110	114,620

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

A1 PERFORMANCE DATA – R-407A/R-407F

Medium Temperature - Bitzer Compressor Models

Please consult AWEF table on page 110 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	-20°F
ACV0150M [^] ABX	4PES-15Y	187,720	170,420	153,860	138,400	123,480	109,960	97,280	75,110	56,520	40,910
ACV0200M [^] ABX	4NES-20Y	214,480	195,060	176,860	159,550	143,230	128,070	113,690	88,470	67,230	49,300
ACV0220M [^] ABX	4JE-22Y	233,700	213,180	193,140	174,390	156,680	140,240	124,490	96,370	72,650	52,220
ACV0250M [^] ABX	4HE-25Y	265,710	242,770	220,560	199,090	179,000	160,180	142,600	110,480	83,300	59,980
ACV0300M [^] ABX	4GE-30Y	325,660	297,010	269,430	243,160	218,710	195,500	173,840	135,440	102,830	75,030
ACV0330M [^] ABX	6JE-33Y	355,920	323,750	293,610	264,850	237,580	212,330	188,430	145,780	109,630	78,750
ACV0350M [^] ABX	6HE-35Y	410,300	375,240	340,800	308,340	277,740	248,900	221,930	172,860	131,280	95,640
ACV0400M [^] ABX	6GE-40Y	482,990	440,440	400,280	361,950	325,600	291,770	259,370	202,180	153,660	112,130
ACV0500M [^] ABX	6FE-50Y	561,130	513,110	466,590	422,890	381,240	341,990	305,230	238,180	181,230	132,430

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	-20°F
ACV0150M [^] ABX	4PES-15Y	179,870	163,220	147,290	132,370	118,070	104,950	92,840	71,370	53,410	38,450
ACV0200M [^] ABX	4NES-20Y	205,540	186,860	169,390	152,730	136,990	122,400	108,680	84,250	63,780	46,530
ACV0220M [^] ABX	4JE-22Y	223,800	204,090	184,810	166,770	149,700	133,810	118,540	91,640	68,680	49,030
ACV0250M [^] ABX	4HE-25Y	254,320	232,270	210,950	190,560	170,950	152,810	135,840	104,880	78,730	56,220
ACV0300M [^] ABX	4GE-30Y	312,580	284,980	258,450	233,150	209,530	186,940	166,220	129,180	97,720	70,880
ACV0330M [^] ABX	6JE-33Y	341,010	310,070	281,060	253,270	227,080	202,680	179,630	138,490	103,650	73,940
ACV0350M [^] ABX	6HE-35Y	393,150	359,490	326,980	295,210	265,760	237,970	211,950	164,620	124,580	90,260
ACV0400M [^] ABX	6GE-40Y	463,310	422,450	383,850	346,910	311,910	279,160	248,110	192,960	146,000	106,020
ACV0500M [^] ABX	6FE-50Y	536,600	491,670	447,010	405,030	364,980	327,160	291,540	227,040	172,150	125,190

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	-20°F
ACV0150M [^] ABX	4PES-15Y	171,990	156,020	140,700	126,340	112,680	99,940	88,320	67,650	50,360	36,000
ACV0200M [^] ABX	4NES-20Y	196,570	178,670	161,890	145,910	130,970	116,710	103,440	80,030	60,360	43,790
ACV0220M [^] ABX	4JE-22Y	213,930	195,010	176,450	159,160	142,720	127,420	112,820	86,830	64,740	45,860
ACV0250M [^] ABX	4HE-25Y	242,910	221,810	201,360	181,780	162,920	145,480	129,090	99,290	74,170	52,560
ACV0300M [^] ABX	4GE-30Y	299,440	272,960	247,380	223,140	200,360	178,710	158,620	122,930	92,640	66,830
ACV0330M [^] ABX	6JE-33Y	326,090	296,370	268,500	241,800	216,940	193,070	170,750	131,260	97,740	69,180
ACV0350M [^] ABX	6HE-35Y	375,980	343,780	312,610	282,150	253,790	227,390	201,920	156,450	117,940	84,940
ACV0400M [^] ABX	6GE-40Y	443,640	404,460	367,390	331,940	298,130	266,670	236,910	183,610	138,410	99,950
ACV0500M [^] ABX	6FE-50Y	-	470,270	427,480	387,220	348,750	312,170	278,050	215,860	163,110	117,970

Notes:

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

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 - Bitzer Compressor Models (cont.)

Please consult AWEF table on page 110 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	-20°F
ACV0150M^ABX	4PES-15Y	156,280	141,640	127,780	114,150	101,670	90,110	79,310	60,250	44,330	31,190
ACV0200M^ABX	4NES-20Y	-	-	146,960	132,290	118,530	105,320	93,180	71,680	53,510	38,360
ACV0220M^ABX	4JE-22Y	-	-	-	144,080	128,930	114,780	101,290	77,370	56,950	39,660
ACV0250M^ABX	4HE-25Y	-	-	-	-	147,030	131,180	115,720	88,500	65,260	45,410
ACV0300M^ABX	4GE-30Y	-	-	225,510	203,490	182,140	162,370	143,560	110,640	82,650	58,880
ACV0330M^ABX	6JE-33Y	-	-	243,600	219,030	196,030	174,000	153,400	116,990	86,100	59,860
ACV0350M^ABX	6HE-35Y	-	-	-	-	230,100	205,760	182,130	140,310	104,820	74,500
ACV0400M^ABX	6GE-40Y	-	-	-	302,070	271,270	241,600	214,260	165,200	123,460	88,060
ACV0500M^ABX	6FE-50Y	-	-	-	-	316,470	282,880	251,380	194,020	145,380	103,860

Notes:

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

Liquid Injection is Required

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

A1 PERFORMANCE DATA – R-407C

Medium Temperature - Bitzer Compressor Models

Please consult AWEF table on page 110 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	-20°F
ACV0150M^ABX	4PES-15Y	169,460	152,840	137,430	123,100	109,570	97,280	85,780	65,630	48,370	-
ACV0200M^ABX	4NES-20Y	194,600	176,320	158,750	142,590	127,500	113,490	100,490	77,480	57,770	-
ACV0220M^ABX	4JE-22Y	215,710	195,330	175,930	157,460	140,450	124,650	109,970	83,630	61,110	-
ACV0250M^ABX	4HE-25Y	251,190	228,100	206,020	184,950	165,450	147,330	130,460	99,970	73,650	-
ACV0300M^ABX	4GE-30Y	305,860	277,560	250,600	225,430	201,590	179,560	159,000	122,710	91,490	-
ACV0330M^ABX	6JE-33Y	318,280	288,320	259,880	233,150	208,310	185,210	163,700	125,930	93,530	-
ACV0350M^ABX	6HE-35Y	370,300	335,910	303,730	273,360	245,180	218,590	193,840	150,030	112,630	-
ACV0400M^ABX	6GE-40Y	442,230	401,950	363,580	327,800	293,830	262,240	233,290	181,610	137,510	-
ACV0500M^ABX	6FE-50Y	511,350	464,440	420,180	378,540	339,430	303,300	269,120	208,880	157,240	-

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	-20°F
ACV0150M^ABX	4PES-15Y	162,460	146,690	131,800	117,940	104,860	93,040	81,930	62,480	45,870	-
ACV0200M^ABX	4NES-20Y	186,970	169,300	152,350	136,740	122,200	108,690	96,230	73,930	54,970	-
ACV0220M^ABX	4JE-22Y	207,250	187,600	168,830	150,970	134,670	119,330	104,950	79,560	57,780	-
ACV0250M^ABX	4HE-25Y	241,570	219,280	197,970	177,850	158,740	141,190	124,860	95,400	-	-
ACV0300M^ABX	4GE-30Y	294,910	267,560	241,510	217,170	194,070	172,800	152,810	117,600	87,360	-
ACV0330M^ABX	6JE-33Y	305,850	276,990	249,550	224,020	199,780	177,590	156,720	120,320	89,060	-
ACV0350M^ABX	6HE-35Y	356,020	322,880	291,870	262,600	235,430	209,680	185,990	143,810	107,700	-
ACV0400M^ABX	6GE-40Y	426,090	387,300	350,270	315,760	282,920	252,500	224,500	174,670	132,170	-
ACV0500M^ABX	6FE-50Y	491,620	446,360	403,970	363,860	326,190	291,320	258,470	200,280	150,560	-

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	-20°F
ACV0150M^ABX	4PES-15Y	155,990	140,530	126,160	112,790	100,260	88,780	78,050	59,340	43,390	-
ACV0200M^ABX	4NES-20Y	179,290	162,280	146,140	130,890	116,990	103,850	91,860	70,360	52,150	-
ACV0220M^ABX	4JE-22Y	198,880	179,850	161,770	144,460	128,590	113,920	100,010	75,520	54,480	-
ACV0250M^ABX	4HE-25Y	231,970	210,460	189,910	170,210	152,050	135,090	119,100	90,850	-	-
ACV0300M^ABX	4GE-30Y	283,880	257,520	232,360	208,820	186,490	165,840	146,620	112,540	83,170	-
ACV0330M^ABX	6JE-33Y	293,400	265,600	239,160	214,560	190,940	169,600	149,820	114,640	84,610	-
ACV0350M^ABX	6HE-35Y	341,750	309,800	279,970	251,610	225,490	200,820	178,120	137,470	102,750	-
ACV0400M^ABX	6GE-40Y	409,820	372,480	336,850	303,600	272,000	242,930	215,690	167,790	126,790	-
ACV0500M^ABX	6FE-50Y	472,160	428,530	387,780	349,150	313,250	279,300	247,520	191,640	143,860	-

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

A1 PERFORMANCE DATA – R407C

Medium Temperature - Bitzer Compressor Models (cont.)

Please consult AWEF table on page 110 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	-20°F
ACV0150M^ABX	4PES-15Y	142,280	128,170	114,940	102,300	90,830	80,090	70,240	53,020	38,340	-
ACV0200M^ABX	4NES-20Y	164,020	148,240	133,100	119,170	106,280	94,160	83,060	63,280	-	-
ACV0220M^ABX	4JE-22Y	-	164,440	147,630	131,650	117,080	103,170	90,450	67,600	47,910	-
ACV0250M^ABX	4HE-25Y	-	-	173,750	155,480	138,650	123,100	108,320	81,760	58,920	-
ACV0300M^ABX	4GE-30Y	261,950	237,520	214,120	192,130	171,370	152,120	134,330	102,480	74,990	-
ACV0330M^ABX	6JE-33Y	268,970	242,750	218,290	195,490	173,840	153,840	135,670	103,310	75,690	-
ACV0350M^ABX	6HE-35Y	-	283,350	255,920	229,980	205,850	183,010	161,950	124,740	92,760	-
ACV0400M^ABX	6GE-40Y	377,380	342,940	309,970	279,220	250,010	223,190	198,000	153,800	116,040	-
ACV0500M^ABX	6FE-50Y	-	-	355,140	319,530	286,420	255,070	225,940	174,540	130,510	-

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

A2L UNIT SPECIFICATIONS

Medium & Low Temperature Models - Bitzer Semi-Hermetic Compressors

Please consult AWEF table on page 108 to confirm DOE compliance per model

Model	Compressor	Refrigerant Line Connections (OD)		Rec. Capacity @90% full (lbs)	Condenser Fan Data		Dimensions (In.)			Net Wt. (lbs.)
		Liquid	Suction		No. Fans	Dia.	Length	Width	Height	
ACV0130L^ABV	4JE-15Y	1-1/8	2-1/8	123	2	30"	176.35	48.9	59.4	2,370
ACV0150L^ABV	4HE-18Y	1-1/8	2-1/8	123	2	30"	176.35	48.9	59.4	2,390
ACV0200L^ABV	4GE-23Y	1-1/8	2-1/8	123	2	30"	176.35	48.9	59.4	2,370
ACV0220L^ABV	6JE-25Y	1-1/8	2-1/8	123	2	30"	176.35	48.9	59.4	2,390
ACV0250L^ABV	6HE-28Y	1-1/8	2-1/8	123	2	30"	176.35	48.9	59.4	2,370
ACV0300L^ABV	6GE-34Y	1-1/8	2-1/8	123	2	30"	176.35	48.9	59.4	2,370
ACV0400L^ABV	6FE-44Y	1-1/8	2-1/8	188	3	30"	229.4	48.9	59.4	2,990
ACV0150M^ABV	4PES-15Y	1-1/8	1-5/8	123	2	30"	176.35	48.9	59.4	2,270
ACV0200M^ABV	4NES-20Y	1-1/8	2-1/8	123	2	30"	176.35	48.9	59.4	2,270
ACV0220M^ABV	4JE-22Y	1-1/8	2-1/8	123	2	30"	176.35	48.9	59.4	2,270
ACV0250M^ABV	4HE-25Y	1-1/8	2-1/8	123	2	30"	176.35	48.9	59.4	2,270
ACV0300M^ABV	4GE-30Y	1-1/8	2-1/8	188	3	30"	229.4	48.9	59.4	2,760
ACV0330M^ABV	6JE-33Y	1-1/8	2-1/8	188	3	30"	229.4	48.9	59.4	2,860
ACV0350M^ABV	6HE-35Y	1-1/8	2-1/8	188	3	30"	229.4	48.9	59.4	2,890
ACV0400M^ABV	6GE-40Y	1-1/8	2-1/8	188	4	30"	282.5	48.9	61.4	3,640
ACV0500M^ABV	6FE-50Y	1-1/8	2-1/8	188	4	30"	282.5	48.9	61.4	3,660

Notes:

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

A1 UNIT SPECIFICATIONS

Medium & Low Temperature - Bitzer Compressor Models

Please consult AWEF table on page 110 to confirm DOE compliance per model

Model	Compressor	Refrigerant Line Connections (OD)		Rec. Capacity @90% full (lbs)	Condenser Fan Data		Dimensions (In.)			Net Wt. (lbs.)
		Liquid	Suction		No. Fans	Dia.	Length	Width	Height	
ACV0130L^ABX	4JE-15Y	1-1/8	2-1/8	123	2	30"	176.35	48.9	59.4	2,317
ACV0150L^ABX	4HE-18Y	1-1/8	2-1/8	123	2	30"	176.35	48.9	59.4	2,317
ACV0200L^ABX	4GE-23Y	1-1/8	2-1/8	123	2	30"	176.35	48.9	59.4	2,317
ACV0220L^ABX	6JE-25Y	1-1/8	2-1/8	123	2	30"	176.35	48.9	59.4	2,317
ACV0250L^ABX	6HE-28Y	1-1/8	2-1/8	123	2	30"	176.35	48.9	59.4	2,317
ACV0300L^ABX	6GE-34Y	1-1/8	2-1/8	123	2	30"	176.35	48.9	59.4	2,317
ACV0400L^ABX	6FE-44Y	1-1/8	2-1/8	188	3	30"	229.4	48.9	59.4	2,933
ACV0150M^ABX	4PES-15Y	1-1/8	1-5/8	123	2	30"	176.35	48.9	59.4	2,214
ACV0200M^ABX	4NES-20Y	1-1/8	2-1/8	123	2	30"	176.35	48.9	59.4	2,217
ACV0220M^ABX	4JE-22Y	1-1/8	2-1/8	123	2	30"	176.35	48.9	59.4	2,217
ACV0250M^ABX	4HE-25Y	1-1/8	2-1/8	123	2	30"	176.35	48.9	59.4	2,217
ACV0300M^ABX	4GE-30Y	1-1/8	2-1/8	188	3	30"	229.4	48.9	59.4	2,703
ACV0330M^ABX	6JE-33Y	1-1/8	2-1/8	188	3	30"	229.4	48.9	59.4	2,803
ACV0350M^ABX	6HE-35Y	1-1/8	2-1/8	188	3	30"	229.4	48.9	59.4	2,833
ACV0400M^ABX	6GE-40Y	1-1/8	2-1/8	188	4	30"	282.5	48.9	61.4	3,591
ACV0500M^ABX	6FE-50Y	1-1/8	2-1/8	188	4	30"	282.5	48.9	61.4	3,611

Notes:

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

A2L ELECTRICAL DATA

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

Please consult AWEF table on page 108 to confirm DOE compliance per model

Model	CMPR	Condensing Unit						Remote Loads: Four Contactors							
		Compressor		Condenser		Air Defrost		Low Amps "4L"				High Amps "4H"			
		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
ACV0130LCABV	4JE-15Y	50.0	352	2	13.2	75.7	125	22	48	97.7	125	22	64	97.7	125
ACV0150LCABV	4HE-18Y	54.1	352	2	13.2	80.8	125	25	64	105.8	150	25	91	113.8	150
ACV0200LCABV	4GE-23Y	57.7	352	2	13.2	85.3	125	25	96	120.0	150	25	105	131.3	150
ACV0220LCABV	6JE-25Y	71.0	490	2	13.2	102.0	150	25	96	127.0	175	25	105	131.3	175
ACV0250LCABV	6HE-28Y	77.6	490	2	13.2	110.2	175	25	96	135.2	200	25	108	135.2	200
ACV0300LCABV	6GE-34Y	84.6	490	2	13.2	119.0	200	30	150	187.5	225	30	181	226.3	250
ACV0400LCABV	6FE-44Y	97.4	700	3	19.8	141.6	225	30	150	187.5	250	30	181	226.3	250

Model	CMPR	Condensing Unit						Remote Loads: Three Contactors							
		Compressor		Condenser		Air Defrost		Low Amps "3L"				High Amps "3H"			
		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
ACV0130LCABV	4JE-15Y	50.0	352	2	13.2	75.7	125	20	40	95.7	125	22	48	97.7	125
ACV0150LCABV	4HE-18Y	54.1	352	2	13.2	80.8	125	22	70	102.8	150	25	64	105.8	150
ACV0200LCABV	4GE-23Y	57.7	352	2	13.2	85.3	125	20	85	106.3	150	25	96	120.0	150
ACV0220LCABV	6JE-25Y	71.0	490	2	13.2	102.0	150	20	85	122.0	175	25	96	127.0	175
ACV0250LCABV	6HE-28Y	77.6	490	2	13.2	110.2	175	20	80	130.2	200	25	96	135.2	200
ACV0300LCABV	6GE-34Y	84.6	490	2	13.2	119.0	200	20	96	139.0	200	25	96	144.0	225
ACV0400LCABV	6FE-44Y	97.4	700	3	19.8	141.6	225	20	96	161.6	250	25	96	166.6	250

Notes:

MCA = Minimum Circuit Ampacity

MOP = Maximum Overcurrent Protection

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

A2L ELECTRICAL DATA

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

Please consult AWEF table on page 108 to confirm DOE compliance per model

Model	CMPR	Condensing Unit						Remote Loads: Two Contactors							
		Compressor		Condenser		Air Defrost		Low Amps "2L"				High Amps "2H"			
		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
ACV0130LCABV	4JE-15Y	50.0	352	2	13.2	75.7	125	15	34	90.7	125	20	74	95.7	125
ACV0150LCABV	4HE-18Y	54.1	352	2	13.2	80.8	125	20	80	100.8	150	20	91	113.8	150
ACV0200LCABV	4GE-23Y	57.7	352	2	13.2	85.3	125	20	80	105.3	150	20	96	120.0	150
ACV0220LCABV	6JE-25Y	71.0	490	2	13.2	102.0	150	20	80	122.0	175	20	96	122.0	175
ACV0250LCABV	6HE-28Y	77.6	490	2	13.2	110.2	175	20	80	130.2	200	20	96	130.2	200
ACV0300LCABV	6GE-34Y	84.6	490	2	13.2	119.0	200	20	80	139.0	200	20	96	139.0	200
ACV0400LCABV	6FE-44Y	97.4	700	3	19.8	141.6	225	20	80	161.6	250	20	96	161.6	250

Model	CMPR	Condensing Unit						Remote Loads: One Contactor							
		Compressor		Condenser		Air Defrost		Low Amps "1L"				High Amps "1H"			
		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
ACV0130LCABV	4JE-15Y	50.0	352	2	13.2	75.7	125	15	40	90.7	125	15	48	90.7	125
ACV0150LCABV	4HE-18Y	54.1	352	2	13.2	80.8	125	15	40	95.8	125	15	48	95.8	125
ACV0200LCABV	4GE-23Y	57.7	352	2	13.2	85.3	125	15	40	100.3	150	15	48	100.3	150
ACV0220LCABV	6JE-25Y	71.0	490	2	13.2	102.0	150	15	40	117.0	175	15	48	117.0	175
ACV0250LCABV	6HE-28Y	77.6	490	2	13.2	110.2	175	—	—	—	—	—	—	—	—
ACV0300LCABV	6GE-34Y	84.6	490	2	13.2	119.0	200	—	—	—	—	—	—	—	—
ACV0400LCABV	6FE-44Y	97.4	700	3	19.8	141.6	225	—	—	—	—	—	—	—	—

Notes:

MCA = Minimum Circuit Ampacity

MOP = Maximum Overcurrent Protection

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

A2L ELECTRICAL DATA

Low Temperature Models - Bitzer Compressor/460V

Please consult AWEF table on page 108 to confirm DOE compliance per model

Model	CMPR	Condensing Unit						Remote Loads: Four Contactors							
		Compressor		Condenser		Air Defrost		Low Amps "4L"				High Amps "4H"			
		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
ACV0130LDABV	4JE-15Y	25.0	176	2	6.6	37.9	60	—	—	—	—	—	—	—	—
ACV0150LDABV	4HE-18Y	27.1	176	2	6.6	40.5	60	15	48	60.0	80	15	48	60.0	80
ACV0200LDABV	4GE-23Y	28.8	176	2	6.6	42.6	70	15	48	60.0	80	15	48	60.0	80
ACV0220LDABV	6JE-25Y	35.5	245	2	6.6	51.0	80	15	48	66.0	100	15	48	66.0	100
ACV0250LDABV	6HE-28Y	38.8	245	2	6.6	55.1	90	15	48	70.1	100	15	64	80.0	100
ACV0300LDABV	6GE-34Y	42.3	245	2	6.6	59.5	100	20	64	80.0	110	20	91	113.8	125
ACV0400LDABV	6FE-44Y	48.7	350	3	9.9	70.8	110	20	64	90.8	125	20	91	113.8	125

Model	CMPR	Condensing Unit						Remote Loads: Three Contactors							
		Compressor		Condenser		Air Defrost		Low Amps "3L"				High Amps "3H"			
		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
ACV0130LDABV	4JE-15Y	25.0	176	2	6.6	37.9	60	15	22	52.9	70	20	22	57.9	80
ACV0150LDABV	4HE-18Y	27.1	176	2	6.6	40.5	60	15	32	55.5	80	15	48	60.0	80
ACV0200LDABV	4GE-23Y	28.8	176	2	6.6	42.6	70	15	48	60.0	80	15	48	60.0	80
ACV0220LDABV	6JE-25Y	35.5	245	2	6.6	51.0	80	15	48	66.0	100	15	48	66.0	100
ACV0250LDABV	6HE-28Y	38.8	245	2	6.6	55.1	90	15	48	70.1	100	15	64	80.0	100
ACV0300LDABV	6GE-34Y	42.3	245	2	6.6	59.5	100	15	64	80.0	110	22	64	81.5	110
ACV0400LDABV	6FE-44Y	48.7	350	3	9.9	70.8	110	15	64	85.8	125	22	64	92.8	125

Notes:

MCA = Minimum Circuit Ampacity

MOP = Maximum Overcurrent Protection

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

A2L ELECTRICAL DATA

Low Temperature Models - Bitzer Compressor/460V (cont.)

Please consult AWEF table on page 108 to confirm DOE compliance per model

Model	CMPR	Condensing Unit						Remote Loads: Two Contactors							
		Compressor		Condenser		Air Defrost		Low Amps "2L"				High Amps "2H"			
		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
ACV0130LDABV	4JE-15Y	25.0	176	2	6.6	37.9	60	10	19	47.9	70	15	38	52.9	70
ACV0150LDABV	4HE-18Y	27.1	176	2	6.6	40.5	60	15	32	55.5	80	15	48	60.0	80
ACV0200LDABV	4GE-23Y	28.8	176	2	6.6	42.6	70	15	48	60.0	80	15	64	80.0	80
ACV0220LDABV	6JE-25Y	35.5	245	2	6.6	51.0	80	15	48	66.0	100	15	64	80.0	100
ACV0250LDABV	6HE-28Y	38.8	245	2	6.6	55.1	90	15	48	70.1	100	15	64	80.0	100
ACV0300LDABV	6GE-34Y	42.3	245	2	6.6	59.5	100	15	48	74.5	110	15	80	100.0	110
ACV0400LDABV	6FE-44Y	48.7	350	3	9.9	70.8	110	15	48	85.8	125	15	80	100.0	125

Model	CMPR	Condensing Unit						Remote Loads: One Contactor							
		Compressor		Condenser		Air Defrost		Low Amps "1L"				High Amps "1H"			
		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
ACV0130LDABV	4JE-15Y	25.0	176	2	6.6	37.9	60	10	19	47.9	70	10	24	47.9	70
ACV0150LDABV	4HE-18Y	27.1	176	2	6.6	40.5	60	15	24	55.5	80	15	40	55.5	80
ACV0200LDABV	4GE-23Y	28.8	176	2	6.6	42.6	70	15	40	57.6	80	15	48	60.0	80
ACV0220LDABV	6JE-25Y	35.5	245	2	6.6	51.0	80	15	40	66.0	100	15	48	66.0	100
ACV0250LDABV	6HE-28Y	38.8	245	2	6.6	55.1	90	15	40	70.1	100	15	48	70.1	100
ACV0300LDABV	6GE-34Y	42.3	245	2	6.6	59.5	100	15	40	74.5	110	15	48	74.5	110
ACV0400LDABV	6FE-44Y	48.7	350	3	9.9	70.8	110	15	40	85.8	125	15	48	85.8	125

Notes:

MCA = Minimum Circuit Ampacity

MOP = Maximum Overcurrent Protection

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

A2L ELECTRICAL DATA

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

Please consult AWEF table on page 108 to confirm DOE compliance per model

								Remote Loads: Four Contactors							
		Condensing Unit						Low Amps "4L"				High Amps "4H"			
Model	Compressor	Compressor		Condenser		Air Defrost		Evap. Fan Amps	Defrost Htrs. Amps	Electric Defrost		Evap. Fan Amps	Defrost Htrs. Amps	Electric Defrost	
		RLA (Each)	LRA (Each)	No. Fans	FLA (Total)	MCA	MOPD			MCA	MOPD			MCA	MOPD
ACV0150MCABV	4PES-15Y	48.7	294.0	2	13.2	74.1	110	25	96	120.0	200	25	108	135.0	225
ACV0200MCABV	4NES-20Y	57.7	352.0	2	13.2	85.3	125	25	96	120.0	225	25	108	135.0	250
ACV0220MCABV	4JE-22Y	61.5	352.0	2	13.2	90.1	150	25	96	120.0	225	25	108	135.0	250
ACV0250MCABV	4HE-25Y	75.6	436.0	2	13.2	107.7	175	25	125	156.3	300	30	181	226.3	350
ACV0300MCABV	4GE-30Y	89.7	490.0	3	19.8	131.9	200	30	149	186.3	350	30	181	226.3	400
ACV0330MCABV	6JE-33Y	100.0	550.0	3	19.8	144.8	225	30	149	186.3	350	30	181	226.3	400
ACV0350MCABV	6HE-35Y	105.1	550.0	3	19.8	151.2	250	35	160	200.0	400	35	192	240.0	400
ACV0400MCABV	6GE-40Y	141.0	700.0	4	26.4	202.7	300	35	160	237.7	500	35	192	240.0	500
ACV0500MCABV	6FE-50Y	143.6	950.0	4	26.4	205.9	300	35	160	240.9	500	35	192	240.9	500

								Remote Loads: Three Contactors							
								Condensing Unit							
Model	Compressor	Compressor		Condenser		Air Defrost		Evap. Fan Amps	Defrost Htrs. Amps	Electric Defrost		Evap. Fan Amps	Defrost Htrs. Amps	Electric Defrost	
		RLA (Each)	LRA (Each)	No. Fans	FLA (Total)	MCA	MOPD			MCA	MOPD			MCA	MOPD
ACV0150MCABV	4PES-15Y	48.7	294.0	2	13.2	74.1	110	25	96	120.0	200	25	96	120.0	200
ACV0200MCABV	4NES-20Y	57.7	352.0	2	13.2	85.3	125	25	96	120.0	225	25	96	120.0	225
ACV0220MCABV	4JE-22Y	61.5	352.0	2	13.2	90.1	150	22	96	120.0	225	25	96	120.0	225
ACV0250MCABV	4HE-25Y	75.6	436.0	2	13.2	107.7	175	20	96	127.7	250	25	120	150.0	300
ACV0300MCABV	4GE-30Y	89.7	490.0	3	19.8	131.9	200	25	125	156.9	300	20	125	156.3	300
ACV0330MCABV	6JE-33Y	100.0	550.0	3	19.8	144.8	225	25	125	169.8	350	20	125	164.8	350
ACV0350MCABV	6HE-35Y	105.1	550.0	3	19.8	151.2	250	30	150	187.5	400	35	150	187.5	400
ACV0400MCABV	6GE-40Y	141.0	700.0	4	26.4	202.7	300	30	150	232.7	450	30	150	232.7	450
ACV0500MCABV	6FE-50Y	143.6	950.0	4	26.4	205.9	300	30	150	235.9	450	30	150	235.9	450

Notes:

MCA = Minimum Circuit Ampacity

MOP = Maximum Overcurrent Protection

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

A2L ELECTRICAL DATA

Medium Temperature - Bitzer Semi-Hermetic Compressor Models/208-230V (cont.)

Please consult AWEF table on page 108 to confirm DOE compliance per model

Model	Compressor	Condensing Unit						Remote Loads: Two Contactors							
		Compressor		Condenser		Air Defrost		Low Amps "2L"				High Amps "2H"			
		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
ACV0150MCABV	4PES-15Y	48.7	294.0	2	13.2	74.1	110	25	80	100.0	200	25	96	120.0	200
ACV0200MCABV	4NES-20Y	57.7	352.0	2	13.2	85.3	125	25	80	110.3	200	25	96	120.0	225
ACV0220MCABV	4JE-22Y	61.5	352.0	2	13.2	90.1	150	20	80	110.1	225	20	96	120.0	225
ACV0250MCABV	4HE-25Y	75.6	436.0	2	13.2	107.7	175	—	—	—	—	—	—	—	—
ACV0300MCABV	4GE-30Y	89.7	490.0	3	19.8	131.9	200	—	—	—	—	—	—	—	—
ACV0330MCABV	6JE-33Y	100.0	550.0	3	19.8	144.8	225	—	—	—	—	—	—	—	—
ACV0350MCABV	6HE-35Y	105.1	550.0	3	19.8	151.2	250	—	—	—	—	—	—	—	—
ACV0400MCABV	6GE-40Y	141.0	700.0	4	26.4	202.7	300	—	—	—	—	—	—	—	—
ACV0500MCABV	6FE-50Y	143.6	950.0	4	26.4	205.9	300	—	—	—	—	—	—	—	—

Notes:

MCA = Minimum Circuit Ampacity

MOP = Maximum Overcurrent Protection

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

A2L ELECTRICAL DATA

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

Please consult AWEF table on page 108 to confirm DOE compliance per model

		Condensing Unit						Remote Loads: Four Contactors							
Model	Compressor	Compressor		Condenser		Air Defrost		Low Amps "4L"				High Amps "4H"			
		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
ACV0150MDABV	4PES-15Y	24.4	147.0	2	6.6	37.1	60	15	48	60.0	100	15	64	80.0	125
ACV0200MDABV	4NES-20Y	28.8	176.0	2	6.6	42.6	70	15	48	60.0	110	15	64	80.0	125
ACV0220MDABV	4JE-22Y	30.8	176.0	2	6.6	45.1	70	15	48	60.1	110	15	64	80.0	125
ACV0250MDABV	4HE-25Y	37.8	218.0	2	6.6	53.9	90	20	64	80.0	150	20	96	120.0	175
ACV0300MDABV	4GE-30Y	44.9	245.0	3	9.9	66.0	110	20	64	86.0	150	20	96	120.0	200
ACV0330MDABV	6JE-33Y	50.0	275.0	3	9.9	72.4	110	20	64	92.4	175	20	96	120.0	200
ACV0350MDABV	6HE-35Y	52.6	275.0	3	9.9	75.7	125	20	64	95.7	175	20	96	120.0	200
ACV0400MDABV	6GE-40Y	70.5	350.0	4	13.2	101.3	150	20	64	121.3	225	20	96	121.3	250
ACV0500MDABV	6FE-50Y	71.8	425.0	4	13.2	103.0	150	20	64	123.0	225	20	96	123.0	250

		Condensing Unit						Remote Loads: Three Contactors							
Model	Compressor	Compressor		Condenser		Air Defrost		Low Amps "3L"				High Amps "3H"			
		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
ACV0150MDABV	4PES-15Y	24.4	147.0	2	6.6	37.1	60	15	48	60.0	100	15	64	80.0	125
ACV0200MDABV	4NES-20Y	28.8	176.0	2	6.6	42.6	70	15	48	60.0	110	15	64	80.0	125
ACV0220MDABV	4JE-22Y	30.8	176.0	2	6.6	45.1	70	15	64	80.0	125	15	64	80.0	125
ACV0250MDABV	4HE-25Y	37.8	218.0	2	6.6	53.9	90	15	64	80.0	150	20	64	80.0	150
ACV0300MDABV	4GE-30Y	44.9	245.0	3	9.9	66.0	110	20	64	86.0	150	20	64	86.0	150
ACV0330MDABV	6JE-33Y	50.0	275.0	3	9.9	72.4	110	20	64	92.4	175	20	64	92.4	175
ACV0350MDABV	6HE-35Y	52.6	275.0	3	9.9	75.7	125	20	64	95.7	175	20	96	120.0	200
ACV0400MDABV	6GE-40Y	70.5	350.0	4	13.2	101.3	150	20	64	121.3	225	22	64	123.3	225
ACV0500MDABV	6FE-50Y	71.8	425.0	4	13.2	103.0	150	20	64	123.0	225	22	64	125.0	225

Notes:

MCA = Minimum Circuit Ampacity

MOP = Maximum Overcurrent Protection

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

A2L ELECTRICAL DATA

Medium Temperature - Bitzer Semi-Hermetic Compressor Models/460V (cont.)

Please consult AWEF table on page 108 to confirm DOE compliance per model

Model	Compressor	Condensing Unit						Remote Loads: Two Contactors							
		Compressor		Condenser		Air Defrost		Low Amps "2L"				High Amps "2H"			
		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
ACV0150MDABV	4PES-15Y	24.4	147.0	2	6.6	37.1	60	15	48	60.0	100	15	64	80.0	125
ACV0200MDABV	4NES-20Y	28.8	176.0	2	6.6	42.6	70	15	48	60.0	110	15	64	80.0	125
ACV0220MDABV	4JE-22Y	30.8	176.0	2	6.6	45.1	70	15	48	60.1	110	15	64	80.0	125
ACV0250MDABV	4HE-25Y	37.8	218.0	2	6.6	53.9	90	15	48	68.9	125	15	80	100.0	150
ACV0300MDABV	4GE-30Y	44.9	245.0	3	9.9	66.0	110	15	80	100.0	175	20	96	120.0	200
ACV0330MDABV	6JE-33Y	50.0	275.0	3	9.9	72.4	110	15	80	100.0	200	20	96	120.0	200
ACV0350MDABV	6HE-35Y	52.6	275.0	3	9.9	75.7	125	20	80	100.0	200	20	96	120.0	200
ACV0400MDABV	6GE-40Y	70.5	350.0	4	13.2	101.3	150	20	80	121.3	250	20	96	121.3	250
ACV0500MDABV	6FE-50Y	71.8	425.0	4	13.2	103.0	150	20	80	123.0	250	20	96	123.0	250

Model	Compressor	Condensing Unit						Remote Loads: Two Contactors							
		Compressor		Condenser		Air Defrost		Low Amps "2L"				High Amps "2H"			
		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
ACV0150MDABV	4PES-15Y	24.4	147.0	2	6.6	37.1	60	15	40	52.1	100	15	48	60.0	100
ACV0200MDABV	4NES-20Y	28.8	176.0	2	6.6	42.6	70	15	40	57.6	110	15	48	60.0	110
ACV0220MDABV	4JE-22Y	30.8	176.0	2	6.6	45.1	70	15	40	60.1	110	15	48	60.1	110
ACV0250MDABV	4HE-25Y	37.8	218.0	2	6.6	53.9	90	—	—	—	—	—	—	—	—
ACV0300MDABV	4GE-30Y	44.9	245.0	3	9.9	66.0	110	—	—	—	—	—	—	—	—
ACV0330MDABV	6JE-33Y	50.0	275.0	3	9.9	72.4	110	—	—	—	—	—	—	—	—
ACV0350MDABV	6HE-35Y	52.6	275.0	3	9.9	75.7	125	—	—	—	—	—	—	—	—
ACV0400MDABV	6GE-40Y	70.5	350.0	4	13.2	101.3	150	—	—	—	—	—	—	—	—
ACV0500MDABV	6FE-50Y	71.8	425.0	4	13.2	103.0	150	—	—	—	—	—	—	—	—

Notes:

MCA = Minimum Circuit Ampacity

MOP = Maximum Overcurrent Protection

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

Low Temperature - Bitzer Compressor Models/208-230V

Please consult AWEF table on page 110 to confirm DOE compliance per model

Model	Compressor	Condensing Unit						Remote Loads: Four Contactors							
		Compressor		Condenser		Air Defrost		Low Amps "4L"				High Amps "4H"			
		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
ACV0130LCABX	4JE-15Y	55.3	352.0	2	13.2	82.4	125	22	48	104.4	150	22	64	104.4	150
ACV0150LCABX	4HE-18Y	59.8	352.0	2	13.2	88.0	125	25	64	113.0	150	25	91	113.8	150
ACV0200LCABX	4GE-23Y	63.8	352.0	2	13.2	92.9	150	25	96	120.0	175	25	105	131.3	175
ACV0220LCABX	6JE-25Y	78.5	490.0	2	13.2	111.4	175	25	96	136.4	200	25	105	136.4	200
ACV0250LCABX	6HE-28Y	85.8	490.0	2	13.2	120.4	200	25	96	145.4	225	25	108	145.4	225
ACV0300LCABX	6GE-34Y	93.6	490.0	2	13.2	130.2	200	30	150	187.5	250	30	181	226.3	250
ACV0400LCABX	6FE-44Y	107.8	700.0	3	19.8	154.5	250	30	150	187.5	250	30	181	226.3	250

Model	Compressor	Condensing Unit						Remote Loads: Three Contactors							
		Compressor		Condenser		Air Defrost		Low Amps "3L"				High Amps "3H"			
		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
ACV0130LCABX	4JE-15Y	55.3	352.0	2	13.2	82.4	125	20	40	102.4	150	22	48	104.4	150
ACV0150LCABX	4HE-18Y	59.8	352.0	2	13.2	88.0	125	22	70	110.0	150	25	64	113.0	150
ACV0200LCABX	4GE-23Y	63.8	352.0	2	13.2	92.9	150	20	85	112.9	175	25	96	120.0	175
ACV0220LCABX	6JE-25Y	78.5	490.0	2	13.2	111.4	175	20	85	131.4	200	25	96	136.4	200
ACV0250LCABX	6HE-28Y	85.8	490.0	2	13.2	120.4	200	20	80	140.4	225	25	96	145.4	225
ACV0300LCABX	6GE-34Y	93.6	490.0	2	13.2	130.2	200	20	96	150.2	225	25	96	155.2	225
ACV0400LCABX	6FE-44Y	107.8	700.0	3	19.8	154.5	250	20	96	174.5	250	25	96	179.5	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

A1 ELECTRICAL DATA

Low Temperature - Bitzer Compressor Models/208-230V

Please consult AWEF table on page 110 to confirm DOE compliance per model

Model	Compressor	Condensing Unit						Remote Loads: Two Contactors							
		Compressor		Condenser		Air Defrost		Low Amps "2L"				High Amps "2H"			
		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
ACV0130LCABX	4JE-15Y	55.3	352.0	2	13.2	82.4	125	15	34	97.4	150	20	74	102.4	150
ACV0150LCABX	4HE-18Y	59.8	352.0	2	13.2	88.0	125	20	80	108.0	150	20	91	113.8	150
ACV0200LCABX	4GE-23Y	63.8	352.0	2	13.2	92.9	150	20	80	112.9	175	20	96	120.0	175
ACV0220LCABX	6JE-25Y	78.5	490.0	2	13.2	111.4	175	20	80	131.4	200	20	96	131.4	200
ACV0250LCABX	6HE-28Y	85.8	490.0	2	13.2	120.4	200	20	80	140.4	225	20	96	140.4	225
ACV0300LCABX	6GE-34Y	93.6	490.0	2	13.2	130.2	200	20	80	150.2	225	20	96	150.2	225
ACV0400LCABX	6FE-44Y	107.8	700.0	3	19.8	154.5	250	20	80	174.5	250	20	96	174.5	250

Model	Compressor	Condensing Unit						Remote Loads: One Contactor							
		Compressor		Condenser		Air Defrost		Low Amps "1L"				High Amps "4H"			
		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
ACV0130LCABX	4JE-15Y	55.3	352.0	2	13.2	82.4	125	15	40	97.4	150	15	48	97.4	150
ACV0150LCABX	4HE-18Y	59.8	352.0	2	13.2	88.0	125	15	40	103.0	150	15	48	103.0	150
ACV0200LCABX	4GE-23Y	63.8	352.0	2	13.2	92.9	150	15	40	107.9	150	15	48	107.9	150
ACV0220LCABX	6JE-25Y	78.5	490.0	2	13.2	111.4	175	15	40	126.4	200	15	48	126.4	200
ACV0250LCABX	6HE-28Y	85.8	490.0	2	13.2	120.4	200	-	-	-	-	-	-	-	-
ACV0300LCABX	6GE-34Y	93.6	490.0	2	13.2	130.2	200	-	-	-	-	-	-	-	-
ACV0400LCABX	6FE-44Y	107.8	700.0	3	19.8	154.5	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

A1 ELECTRICAL DATA

Low Temperature - Bitzer Compressor Models/460V

Please consult AWEF table on page 110 to confirm DOE compliance per model

Model	Compressor	Condensing Unit						Remote Loads: Four Contactors							
		Compressor		Condenser		Air Defrost		Low Amps "4L"				High Amps "4H"			
		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
ACV0130LDABX	4JE-15Y	25.0	176.0	2	6.6	37.9	60	-	-	-	-	-	-	-	-
ACV0150LDABX	4HE-18Y	27.1	176.0	2	6.6	40.4	60	15	48	60.0	80	15	48	60.0	80
ACV0200LDABX	4GE-23Y	28.8	176.0	2	6.6	42.7	70	15	48	60.0	80	15	48	60.0	80
ACV0220LDABX	6JE-25Y	35.5	245.0	2	6.6	51.0	80	15	48	66.0	100	15	48	66.0	100
ACV0250LDABX	6HE-28Y	38.8	245.0	2	6.6	55.1	90	15	48	70.1	100	15	64	80.0	100
ACV0300LDABX	6GE-34Y	42.3	245.0	2	6.6	59.5	100	20	64	80.0	100	20	91	113.8	125
ACV0400LDABX	6FE-44Y	48.7	350.0	3	9.9	70.8	100	20	64	90.8	125	20	91	113.8	125

Model	Compressor	Condensing Unit						Remote Loads: Three Contactors							
		Compressor		Condenser		Air Defrost		Low Amps "3L"				High Amps "3H"			
		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
ACV0130LDABX	4JE-15Y	25.0	176.0	2	6.6	37.9	60	15	22	52.9	70	20	22	57.9	80
ACV0150LDABX	4HE-18Y	27.1	176.0	2	6.6	40.4	60	15	32	55.4	80	15	48	60.0	80
ACV0200LDABX	4GE-23Y	28.8	176.0	2	6.6	42.7	70	15	48	60.0	80	15	48	60.0	80
ACV0220LDABX	6JE-25Y	35.5	245.0	2	6.6	51.0	80	15	48	66.0	100	15	48	66.0	100
ACV0250LDABX	6HE-28Y	38.8	245.0	2	6.6	55.1	90	15	48	70.1	100	15	64	80.0	100
ACV0300LDABX	6GE-34Y	42.3	245.0	2	6.6	59.5	100	15	64	80.0	100	22	64	81.5	100
ACV0400LDABX	6FE-44Y	48.7	350.0	3	9.9	70.8	100	15	64	85.8	125	22	64	92.8	125

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

Low Temperature - Bitzer Compressor Models/460V

Please consult AWEF table on page 110 to confirm DOE compliance per model

Model	Compressor	Condensing Unit						Remote Loads: Two Contactors							
		Compressor		Condenser		Air Defrost		Low Amps "2L"				High Amps "2H"			
		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
ACV0130LDABX	4JE-15Y	25.0	176.0	2	6.6	37.9	60	10	19	47.9	70	15	38	52.9	70
ACV0150LDABX	4HE-18Y	27.1	176.0	2	6.6	40.4	60	15	32	55.4	80	15	48	60.0	80
ACV0200LDABX	4GE-23Y	28.8	176.0	2	6.6	42.7	70	15	48	60.0	80	15	64	80.0	80
ACV0220LDABX	6JE-25Y	35.5	245.0	2	6.6	51.0	80	15	48	66.0	100	15	64	80.0	100
ACV0250LDABX	6HE-28Y	38.8	245.0	2	6.6	55.1	90	15	48	70.1	100	15	64	80.0	100
ACV0300LDABX	6GE-34Y	42.3	245.0	2	6.6	59.5	100	15	48	74.5	100	15	80	100.0	100
ACV0400LDABX	6FE-44Y	48.7	350.0	3	9.9	70.8	100	15	48	85.8	125	15	80	100.0	125

Model	Compressor	Condensing Unit						Remote Loads: One Contactor							
		Compressor		Condenser		Air Defrost		Low Amps "1L"				High Amps "1H"			
		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
ACV0130LDABX	4JE-15Y	25.0	176.0	2	6.6	37.9	60	10	19	47.9	70	10	24	47.9	70
ACV0150LDABX	4HE-18Y	27.1	176.0	2	6.6	40.4	60	15	24	55.4	80	15	40	55.4	80
ACV0200LDABX	4GE-23Y	28.8	176.0	2	6.6	42.7	70	15	40	57.7	80	15	48	60.0	80
ACV0220LDABX	6JE-25Y	35.5	245.0	2	6.6	51.0	80	15	40	66.0	100	15	48	66.0	100
ACV0250LDABX	6HE-28Y	38.8	245.0	2	6.6	55.1	90	15	40	70.1	100	15	48	70.1	100
ACV0300LDABX	6GE-34Y	42.3	245.0	2	6.6	59.5	100	15	40	74.5	100	15	48	74.5	100
ACV0400LDABX	6FE-44Y	48.7	350.0	3	9.9	70.8	100	15	40	85.8	125	15	48	85.8	125

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 - Bitzer Compressor Models/208-230V

Please consult AWEF table on page 110 to confirm DOE compliance per model

Model	Compressor	Condensing Unit						Remote Loads: Four Contactors							
		Compressor		Condenser		Air Defrost		Low Amps "4L"				High Amps "4H"			
		RLA (Each)	LRA (Each)	No. Fans	FLA (Total)	MCA	MOPD	Evap. Fan Amps	Defrost Htrs. Amps	Electric Defrost MCA	Electric Defrost MOPD	Evap. Fan Amps	Defrost Htrs. Amps	Electric Defrost MCA	Electric Defrost MOPD
ACV0150MCABX	4PES-15Y	53.8	294.0	2	13.2	80.5	125	25	96	120.0	150	25	108	135.0	150
ACV0200MCABX	4NES-20Y	63.8	352.0	2	13.2	92.9	150	25	96	120.0	175	25	108	135.0	175
ACV0220MCABX	4JE-22Y	68.1	352.0	2	13.2	98.3	150	25	96	123.3	175	25	108	135.0	175
ACV0250MCABX	4HE-25Y	83.7	436.0	2	13.2	117.8	200	25	125	156.3	225	30	181	226.3	250
ACV0300MCABX	4GE-30Y	99.2	490.0	3	19.8	143.8	225	30	149	186.3	250	30	181	226.3	250
ACV0330MCABX	6JE-33Y	110.6	550.0	3	19.8	158.0	250	30	149	188.0	250	30	181	226.3	250
ACV0350MCABX	6HE-35Y	116.2	550.0	3	19.8	165.1	250	35	160	200.1	300	35	192	240.0	300
ACV0400MCABX	6GE-40Y	156.0	700.0	4	26.4	221.4	350	35	160	256.4	400	35	192	256.4	400
ACV0500MCABX	6FE-50Y	158.8	950.0	4	26.4	224.9	350	35	160	259.9	400	35	192	259.9	400

Model	Compressor	Condensing Unit						Remote Loads: Three Contactors							
		Compressor		Condenser		Air Defrost		Low Amps "3L"				High Amps "3H"			
		RLA (Each)	LRA (Each)	No. Fans	FLA (Total)	MCA	MOPD	Evap. Fan Amps	Defrost Htrs. Amps	Electric Defrost MCA	Electric Defrost MOPD	Evap. Fan Amps	Defrost Htrs. Amps	Electric Defrost MCA	Electric Defrost MOPD
ACV0150MCABX	4PES-15Y	53.8	294.0	2	13.2	80.5	125	25	96	120.0	150	25	96	120.0	150
ACV0200MCABX	4NES-20Y	63.8	352.0	2	13.2	92.9	150	25	96	120.0	175	25	96	120.0	175
ACV0220MCABX	4JE-22Y	68.1	352.0	2	13.2	98.3	150	22	96	120.3	175	25	96	123.3	175
ACV0250MCABX	4HE-25Y	83.7	436.0	2	13.2	117.8	200	20	96	137.8	200	25	120	150.0	225
ACV0300MCABX	4GE-30Y	99.2	490.0	3	19.8	143.8	225	25	125	168.8	250	20	125	163.8	250
ACV0330MCABX	6JE-33Y	110.6	550.0	3	19.8	158.0	250	25	125	183.0	250	20	125	178.0	250
ACV0350MCABX	6HE-35Y	116.2	550.0	3	19.8	165.1	250	30	150	195.1	300	35	150	200.1	300
ACV0400MCABX	6GE-40Y	156.0	700.0	4	26.4	221.4	350	30	150	251.4	400	30	150	251.4	400
ACV0500MCABX	6FE-50Y	158.8	950.0	4	26.4	224.9	350	30	150	254.9	400	30	150	254.9	400

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 - Bitzer Compressor Models/208-230V (cont.)

Please consult AWEF table on page 110 to confirm DOE compliance per model

		Condensing Unit						Remote Loads: Two Contactors							
Model	Compressor	Compressor		Condenser		Air Defrost		Low Amps "2L"				High Amps "2H"			
		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
ACV0150MCABX	4PES-15Y	53.8	294.0	2	13.2	80.5	125	25	80	105.5	150	25	96	120.0	150
ACV0200MCABX	4NES-20Y	63.8	352.0	2	13.2	92.9	150	25	80	117.9	175	25	96	120.0	175
ACV0220MCABX	4JE-22Y	68.1	352.0	2	13.2	98.3	150	20	80	118.3	175	20	96	120.0	175
ACV0250MCABX	4HE-25Y	83.7	436.0	2	13.2	117.8	200	-	-	-	-	-	-	-	-
ACV0300MCABX	4GE-30Y	99.2	490.0	3	19.8	143.8	225	-	-	-	-	-	-	-	-
ACV0330MCABX	6JE-33Y	110.6	550.0	3	19.8	158.0	250	-	-	-	-	-	-	-	-
ACV0350MCABX	6HE-35Y	116.2	550.0	3	19.8	165.1	250	-	-	-	-	-	-	-	-
ACV0400MCABX	6GE-40Y	156.0	700.0	4	26.4	221.4	350	-	-	-	-	-	-	-	-
ACV0500MCABX	6FE-50Y	158.8	950.0	4	26.4	224.9	350	-	-	-	-	-	-	-	-

		Condensing Unit						Remote Loads: One Contactors							
Model	Compressor	Compressor		Condenser		Air Defrost		Low Amps "1L"				High Amps "1H"			
		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
ACV0150MCABX	4PES-15Y	53.8	294.0	2	13.2	80.5	125	-	-	-	-	-	-	-	-
ACV0200MCABX	4NES-20Y	63.8	352.0	2	13.2	92.9	150	-	-	-	-	-	-	-	-
ACV0220MCABX	4JE-22Y	68.1	352.0	2	13.2	98.3	150	-	-	-	-	-	-	-	-
ACV0250MCABX	4HE-25Y	83.7	436.0	2	13.2	117.8	200	-	-	-	-	-	-	-	-
ACV0300MCABX	4GE-30Y	99.2	490.0	3	19.8	143.8	225	-	-	-	-	-	-	-	-
ACV0330MCABX	6JE-33Y	110.6	550.0	3	19.8	158.0	250	-	-	-	-	-	-	-	-
ACV0350MCABX	6HE-35Y	116.2	550.0	3	19.8	165.1	250	-	-	-	-	-	-	-	-
ACV0400MCABX	6GE-40Y	156.0	700.0	4	26.4	221.4	350	-	-	-	-	-	-	-	-
ACV0500MCABX	6FE-50Y	158.8	950.0	4	26.4	224.9	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.

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 - Bitzer Compressor Models/460V

Please consult AWEF table on page 110 to confirm DOE compliance per model

		Condensing Unit						Remote Loads: Four Contactors							
Model	Compressor	Compressor		Condenser		Air Defrost		Low Amps "4L"				High Amps "4H"			
		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
ACV0150MDABX	4PES-15Y	24.4	147.0	2	6.6	37.0	60	15	48	60.0	70	15	64	80.0	80
ACV0200MDABX	4NES-20Y	28.8	176.0	2	6.6	42.7	70	15	48	60.0	80	15	64	80.0	80
ACV0220MDABX	4JE-22Y	30.8	176.0	2	6.6	45.1	70	15	48	60.1	90	15	64	80.0	90
ACV0250MDABX	4HE-25Y	37.8	218.0	2	6.6	53.9	90	20	64	80.0	100	20	96	120.0	125
ACV0300MDABX	4GE-30Y	44.9	245.0	3	9.9	66.0	100	20	64	86.0	125	20	96	120.0	125
ACV0330MDABX	6JE-33Y	50.0	275.0	3	9.9	72.4	100	20	64	92.4	125	20	96	120.0	125
ACV0350MDABX	6HE-35Y	52.6	275.0	3	9.9	75.6	125	20	64	95.6	125	20	96	120.0	125
ACV0400MDABX	6GE-40Y	70.5	350.0	4	13.2	101.3	150	20	64	121.3	175	20	96	121.3	175
ACV0500MDABX	6FE-50Y	71.8	425.0	4	13.2	102.9	150	20	64	122.9	175	20	96	122.9	175

		Condensing Unit						Remote Loads: Three Contactors							
Model	Compressor	Compressor		Condenser		Air Defrost		Low Amps "3L"				High Amps "3H"			
		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
ACV0150MDABX	4PES-15Y	24.4	147.0	2	6.6	37.0	60	15	48	60.0	70	15	64	80.0	80
ACV0200MDABX	4NES-20Y	28.8	176.0	2	6.6	42.7	70	15	48	60.0	80	15	64	80.0	80
ACV0220MDABX	4JE-22Y	30.8	176.0	2	6.6	45.1	70	15	64	80.0	90	15	64	80.0	90
ACV0250MDABX	4HE-25Y	37.8	218.0	2	6.6	53.9	90	15	64	80.0	100	20	64	80.0	100
ACV0300MDABX	4GE-30Y	44.9	245.0	3	9.9	66.0	100	20	64	86.0	125	20	64	86.0	125
ACV0330MDABX	6JE-33Y	50.0	275.0	3	9.9	72.4	100	20	64	92.4	125	20	64	92.4	125
ACV0350MDABX	6HE-35Y	52.6	275.0	3	9.9	75.6	125	20	64	95.6	125	20	96	120.0	125
ACV0400MDABX	6GE-40Y	70.5	350.0	4	13.2	101.3	150	20	64	121.3	175	22	64	123.3	175
ACV0500MDABX	6FE-50Y	71.8	425.0	4	13.2	102.9	150	20	64	122.9	175	22	64	124.9	175

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 - Bitzer Compressor Models/460V (cont.)

Please consult AWEF table on page 110 to confirm DOE compliance per model

Model	Compressor	Condensing Unit						Remote Loads: Two Contactors							
		Compressor		Condenser		Air Defrost		Low Amps "2L"				High Amps "2H"			
		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
ACV0150MDABX	4PES-15Y	24.4	147.0	2	6.6	37.0	60	15	48	60.0	70	15	64	80.0	80
ACV0200MDABX	4NES-20Y	28.8	176.0	2	6.6	42.7	70	15	48	60.0	80	15	64	80.0	80
ACV0220MDABX	4JE-22Y	30.8	176.0	2	6.6	45.1	70	15	48	60.1	90	15	64	80.0	90
ACV0250MDABX	4HE-25Y	37.8	218.0	2	6.6	53.9	90	15	48	68.9	100	15	80	100.0	100
ACV0300MDABX	4GE-30Y	44.9	245.0	3	9.9	66.0	100	15	80	100.0	125	20	96	120.0	125
ACV0330MDABX	6JE-33Y	50.0	275.0	3	9.9	72.4	100	15	80	100.0	125	20	96	120.0	125
ACV0350MDABX	6HE-35Y	52.6	275.0	3	9.9	75.6	125	20	80	100.0	125	20	96	120.0	125
ACV0400MDABX	6GE-40Y	70.5	350.0	4	13.2	101.3	150	20	80	121.3	175	20	96	121.3	175
ACV0500MDABX	6FE-50Y	71.8	425.0	4	13.2	102.9	150	20	80	122.9	175	20	96	122.9	175

Model	Compressor	Condensing Unit						Remote Loads: One Contactor							
		Compressor		Condenser		Air Defrost		Low Amps "1L"				High Amps "1H"			
		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
ACV0150MDABX	4PES-15Y	24.4	147.0	2	6.6	37.0	60	15	40	52.0	70	15	48	60.0	70
ACV0200MDABX	4NES-20Y	28.8	176.0	2	6.6	42.7	70	15	40	57.7	80	15	48	60.0	80
ACV0220MDABX	4JE-22Y	30.8	176.0	2	6.6	45.1	70	15	40	60.1	90	15	48	60.1	90
ACV0250MDABX	4HE-25Y	37.8	218.0	2	6.6	53.9	90	-	-	-	-	-	-	-	-
ACV0300MDABX	4GE-30Y	44.9	245.0	3	9.9	66.0	100	-	-	-	-	-	-	-	-
ACV0330MDABX	6JE-33Y	50.0	275.0	3	9.9	72.4	100	-	-	-	-	-	-	-	-
ACV0350MDABX	6HE-35Y	52.6	275.0	3	9.9	75.6	125	-	-	-	-	-	-	-	-
ACV0400MDABX	6GE-40Y	70.5	350.0	4	13.2	101.3	150	-	-	-	-	-	-	-	-
ACV0500MDABX	6FE-50Y	71.8	425.0	4	13.2	102.9	150	-	-	-	-	-	-	-	-

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 FRASCOLD SEMI-HERMETIC COMPRESSORS

PERFORMANCE DATA – R-404A/R-507A

Low Temperature - Frascold 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
ACV0130L [^] AFX	V15-59Y-2NU	102,600	92,010	82,080	72,890	64,270	56,220	48,710	41,580	34,830
ACV0150L [^] AFX	V15-71Y-2NU	120,960	108,610	96,910	86,100	75,960	66,470	57,570	49,060	40,970
ACV0200L [^] AFX	V20-84Y-2NU	136,710	122,590	109,190	96,510	84,710	73,570	63,280	53,750	44,980
ACV0220L [^] AFX	V25-103Y-2NU	159,680	143,060	127,190	112,250	98,050	84,850	72,670	61,310	50,890
ACV0250L [^] AFX	Z25-106Y-2NU	169,210	151,650	134,800	118,740	103,420	89,270	76,160	64,060	53,020
ACV0300L [^] AFX	Z30-126Y-2NU	188,530	169,910	151,740	134,540	118,220	102,590	88,210	74,760	62,360
ACV0400L [^] AFX	Z40-154Y-2NU	257,410	232,700	209,360	186,570	165,310	144,990	126,000	107,620	89,830

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
ACV0130L [^] AFX	V15-59Y-2NU	98,210	87,900	78,440	69,530	61,210	53,410	46,140	39,210	32,630
ACV0150L [^] AFX	V15-71Y-2NU	115,370	103,560	92,420	82,030	72,250	63,060	54,370	46,150	38,250
ACV0200L [^] AFX	V20-84Y-2NU	129,370	115,980	103,440	91,590	80,350	69,810	60,080	51,030	42,710
ACV0220L [^] AFX	V25-103Y-2NU	150,890	134,930	120,100	106,060	92,400	79,690	68,130	57,350	47,500
ACV0250L [^] AFX	Z25-106Y-2NU	160,130	143,580	127,860	112,270	97,820	84,380	71,880	60,340	49,760
ACV0300L [^] AFX	Z30-126Y-2NU	177,990	160,120	143,400	127,150	111,470	96,810	83,160	70,340	58,510
ACV0400L [^] AFX	Z40-154Y-2NU	245,000	221,510	199,230	177,660	156,900	137,460	118,880	101,000	83,590

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
ACV0130L [^] AFX	V15-59Y-2NU	93,500	83,720	74,680	66,120	58,090	50,570	43,490	36,790	30,380
ACV0150L [^] AFX	V15-71Y-2NU	109,910	98,570	87,890	77,940	68,500	59,640	51,260	43,220	35,530
ACV0200L [^] AFX	V20-84Y-2NU	121,890	109,550	97,620	86,530	75,920	66,040	56,860	48,330	40,440
ACV0220L [^] AFX	V25-103Y-2NU	-	127,010	112,950	99,570	86,740	74,650	63,580	53,380	44,100
ACV0250L [^] AFX	Z25-106Y-2NU	151,050	135,500	120,660	106,000	92,260	79,530	67,660	56,700	46,640
ACV0300L [^] AFX	Z30-126Y-2NU	-	150,730	135,040	119,960	105,100	91,060	78,150	65,970	54,740
ACV0400L [^] AFX	Z40-154Y-2NU	232,390	210,170	188,960	168,310	148,390	129,680	111,670	94,300	77,270

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
ACV0130L [^] AFX	V15-59Y-2NU	-	75,270	66,970	59,050	51,710	44,700	38,120	31,820	25,800
ACV0150L [^] AFX	V15-71Y-2NU	-	-	78,870	69,690	60,990	52,730	44,880	37,350	30,070
ACV0200L [^] AFX	V20-84Y-2NU	-	-	86,080	76,290	67,100	58,480	50,460	42,990	36,070
ACV0220L [^] AFX	V25-103Y-2NU	-	-	-	-	-	64,350	54,470	45,440	37,210
ACV0250L [^] AFX	Z25-106Y-2NU	-	-	-	-	81,410	70,020	59,450	49,670	40,680
ACV0300L [^] AFX	Z30-126Y-2NU	-	-	-	-	-	79,870	68,300	57,460	47,410
ACV0400L [^] AFX	Z40-154Y-2NU	-	-	-	-	131,310	113,870	97,070	80,540	64,450

Notes:

HEAD FAN REQUIRED FOR ALL OPERATING CONDITIONS

Liquid Injection Required

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

PERFORMANCE DATA – R-448A/R-449A

Low Temperature - Frascold 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
ACV0130L [^] AFX	V15-59Y-2NU	93,680	82,300	71,960	62,370	53,610	45,550	38,240	31,500	25,290
ACV0150L [^] AFX	V15-71Y-2NU	113,650	100,060	87,580	76,210	65,750	56,220	47,510	39,540	32,210
ACV0200L [^] AFX	V20-84Y-2NU	134,890	119,360	105,200	92,090	80,110	69,020	58,800	49,220	40,160
ACV0220L [^] AFX	V25-103Y-2NU	158,160	140,930	124,950	109,680	95,570	82,240	70,100	58,600	47,710
ACV0250L [^] AFX	Z25-106Y-2NU	161,140	142,600	125,380	109,400	94,520	81,040	68,620	57,130	46,440
ACV0300L [^] AFX	Z30-126Y-2NU	193,100	172,570	153,190	134,980	117,880	102,000	87,370	73,890	61,310
ACV0400L [^] AFX	Z40-154Y-2NU	246,190	218,550	192,540	168,420	145,900	125,390	106,540	89,150	73,150

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
ACV0130L [^] AFX	V15-59Y-2NU	89,680	78,750	68,690	59,430	50,950	43,170	36,100	29,590	23,600
ACV0150L [^] AFX	V15-71Y-2NU	109,010	95,780	83,810	72,750	62,640	53,440	45,030	37,330	30,250
ACV0200L [^] AFX	V20-84Y-2NU	129,370	114,520	100,800	88,170	76,620	65,950	56,100	46,870	38,140
ACV0220L [^] AFX	V25-103Y-2NU	151,390	134,830	119,450	104,750	91,000	78,220	66,490	55,350	44,770
ACV0250L [^] AFX	Z25-106Y-2NU	153,960	136,380	119,710	104,230	89,950	76,960	64,960	53,850	43,490
ACV0300L [^] AFX	Z30-126Y-2NU	185,070	165,300	146,770	129,330	112,760	97,520	83,450	70,310	58,090
ACV0400L [^] AFX	Z40-154Y-2NU	236,130	209,590	184,520	161,120	139,460	119,610	101,320	84,390	68,660

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
ACV0130L [^] AFX	V15-59Y-2NU	85,640	75,110	65,400	56,460	48,280	40,760	33,940	27,690	21,900
ACV0150L [^] AFX	V15-71Y-2NU	104,320	91,510	79,970	69,300	59,550	50,660	42,540	35,120	28,300
ACV0200L [^] AFX	V20-84Y-2NU	123,850	109,580	96,390	84,250	73,170	62,890	53,420	44,550	36,150
ACV0220L [^] AFX	V25-103Y-2NU	144,570	128,670	113,840	99,690	86,480	74,270	62,840	52,060	41,780
ACV0250L [^] AFX	Z25-106Y-2NU	146,930	130,020	113,990	99,080	85,450	72,830	61,260	50,480	40,510
ACV0300L [^] AFX	Z30-126Y-2NU	176,970	158,200	140,430	123,680	107,780	93,030	79,450	66,730	54,880
ACV0400L [^] AFX	Z40-154Y-2NU	225,990	200,520	176,250	153,840	132,930	113,740	96,000	79,550	64,230

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
ACV0130L [^] AFX	V15-59Y-2NU	77,600	67,770	58,750	50,400	42,800	35,870	29,570	23,770	18,400
ACV0150L [^] AFX	V15-71Y-2NU	94,810	83,040	72,350	62,450	53,410	45,170	37,650	30,770	24,470
ACV0200L [^] AFX	V20-84Y-2NU	112,970	99,800	87,700	76,600	66,340	56,900	48,140	40,010	32,280
ACV0220L [^] AFX	V25-103Y-2NU	-	116,160	102,600	89,600	77,300	66,020	55,390	45,250	35,670
ACV0250L [^] AFX	Z25-106Y-2NU	132,680	117,170	102,390	88,660	76,130	64,480	53,760	43,730	34,450
ACV0300L [^] AFX	Z30-126Y-2NU	-	-	127,710	112,340	97,800	84,060	71,470	59,610	48,510
ACV0400L [^] AFX	Z40-154Y-2NU	205,510	182,140	159,880	139,040	119,760	101,770	85,140	69,550	-

Notes:

HEAD FAN REQUIRED FOR ALL OPERATING CONDITIONS

Liquid Injection Required

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

PERFORMANCE DATA – R-407A/R-407F

Low Temperature - 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
ACV0130L [^] AFX	V15-59Y-2NU	89,440	78,080	67,640	58,030	49,160	40,840	33,060	25,550	18,230
ACV0150L [^] AFX	V15-71Y-2NU	110,310	96,560	84,080	72,500	61,770	51,760	42,280	33,180	24,280
ACV0200L [^] AFX	V20-84Y-2NU	134,540	118,400	103,660	89,920	77,270	65,380	54,140	43,300	32,650
ACV0220L [^] AFX	V25-103Y-2NU	151,810	133,950	117,550	101,920	87,470	73,950	61,030	48,490	36,070
ACV0250L [^] AFX	Z25-106Y-2NU	158,130	139,240	121,410	104,870	89,620	75,250	61,660	48,470	35,600
ACV0300L [^] AFX	Z30-126Y-2NU	183,440	162,030	142,130	123,400	105,580	88,700	72,890	57,710	43,260
ACV0400L [^] AFX	Z40-154Y-2NU	238,840	210,820	184,120	159,420	136,400	114,750	94,470	75,220	56,740

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
ACV0130L [^] AFX	V15-59Y-2NU	85,230	74,240	64,150	54,880	46,280	38,330	30,860	23,700	16,690
ACV0150L [^] AFX	V15-71Y-2NU	105,390	92,080	80,010	68,820	58,470	48,800	39,740	31,020	22,510
ACV0200L [^] AFX	V20-84Y-2NU	128,920	113,340	99,040	85,780	73,590	62,130	51,320	40,910	30,700
ACV0220L [^] AFX	V25-103Y-2NU	145,250	127,980	112,110	97,020	83,080	70,070	57,650	45,610	33,710
ACV0250L [^] AFX	Z25-106Y-2NU	151,010	132,530	115,410	99,580	84,860	71,030	57,980	45,320	32,990
ACV0300L [^] AFX	Z30-126Y-2NU	174,740	154,450	135,240	117,070	99,770	83,620	68,380	53,850	39,870
ACV0400L [^] AFX	Z40-154Y-2NU	228,300	201,190	175,610	151,540	129,300	108,450	88,900	70,280	52,670

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
ACV0130L [^] AFX	V15-59Y-2NU	81,090	70,480	60,750	51,800	43,540	35,890	28,750	21,900	15,210
ACV0150L [^] AFX	V15-71Y-2NU	100,570	87,690	76,040	65,230	55,280	45,980	37,290	28,950	20,830
ACV0200L [^] AFX	V20-84Y-2NU	123,430	108,440	94,580	81,790	70,040	59,000	48,620	38,640	28,880
ACV0220L [^] AFX	V25-103Y-2NU	138,820	122,180	106,820	92,420	78,850	66,340	54,420	42,880	31,500
ACV0250L [^] AFX	Z25-106Y-2NU	144,070	126,370	109,890	94,420	80,290	67,000	54,470	42,330	30,530
ACV0300L [^] AFX	Z30-126Y-2NU	166,610	147,040	128,470	110,960	94,260	78,730	64,050	50,050	36,600
ACV0400L [^] AFX	Z40-154Y-2NU	218,300	191,710	167,110	143,880	122,430	102,290	83,480	65,570	48,600

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
ACV0130L [^] AFX	V15-59Y-2NU	73,230	63,280	54,240	45,970	38,350	31,340	24,810	18,590	12,530
ACV0150L [^] AFX	V15-71Y-2NU	91,250	79,360	68,460	58,450	49,260	40,720	32,760	25,160	17,790
ACV0200L [^] AFX	V20-84Y-2NU	112,850	98,990	86,080	74,250	63,380	53,210	43,680	34,550	25,640
ACV0220L [^] AFX	V25-103Y-2NU	126,510	111,240	96,820	83,420	71,060	59,460	48,500	37,910	27,580
ACV0250L [^] AFX	Z25-106Y-2NU	130,710	114,270	99,080	84,730	71,710	59,460	47,910	36,880	26,130
ACV0300L [^] AFX	Z30-126Y-2NU	-	132,920	115,880	99,400	84,040	69,550	55,940	42,940	30,610
ACV0400L [^] AFX	Z40-154Y-2NU	198,360	173,740	150,840	129,360	109,450	90,780	73,370	56,900	41,200

Notes:

HEAD FAN REQUIRED FOR ALL OPERATING CONDITIONS

Liquid Injection Required

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

PERFORMANCE DATA – R-404A/R-507A

Medium Temperature - Frascold 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
ACV0150M [^] AFX	S15-52Y-2NU	197,040	181,820	167,410	153,450	140,040	127,250	115,110	93,040	73,750
ACV0200M [^] AFX	S20-56Y-2NU	211,710	196,170	180,630	166,050	151,920	138,450	125,580	101,790	80,880
ACV0220M [^] AFX	V20-59Y-2NU	218,000	201,120	184,280	167,960	152,630	138,170	124,050	98,380	76,430
ACV0250M [^] AFX	V25-71Y-2NU	252,500	234,680	215,860	197,620	179,830	162,820	146,800	117,270	91,610
ACV0300M [^] AFX	V30-84Y-2NU	319,030	294,340	269,720	246,490	223,970	202,830	182,470	145,590	113,770
ACV0330M [^] AFX	V35-103Y-2NU	358,320	333,240	308,380	283,370	259,720	236,690	214,930	173,860	137,380
ACV0350M [^] AFX	Z35-106Y-2NU	389,750	361,850	332,170	304,230	277,510	251,780	227,390	181,960	142,970
ACV0400M [^] AFX	Z40-126Y-2NU	466,580	431,200	396,430	361,810	329,270	298,570	268,340	213,400	166,380
ACV0500M [^] AFX	Z50-154Y-2NU	544,070	505,500	468,360	430,290	392,420	356,790	322,180	258,230	201,600

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
ACV0150M [^] AFX	S15-52Y-2NU	187,900	173,520	159,900	146,670	134,120	121,830	110,300	89,040	70,340
ACV0200M [^] AFX	S20-56Y-2NU	201,700	187,120	172,790	158,650	145,290	132,380	120,170	97,330	77,170
ACV0220M [^] AFX	V20-59Y-2NU	206,340	190,370	175,050	159,570	144,990	131,200	117,840	93,330	72,210
ACV0250M [^] AFX	V25-71Y-2NU	-	222,580	204,910	187,770	170,540	154,680	139,620	111,220	86,700
ACV0300M [^] AFX	V30-84Y-2NU	303,590	280,260	256,940	234,630	213,430	193,240	173,900	138,510	108,010
ACV0330M [^] AFX	V35-103Y-2NU	-	-	294,060	270,560	248,380	226,180	205,330	165,750	130,620
ACV0350M [^] AFX	Z35-106Y-2NU	-	342,630	315,950	289,030	263,760	239,400	216,200	172,990	135,880
ACV0400M [^] AFX	Z40-126Y-2NU	442,600	409,380	376,310	343,720	312,920	283,630	254,740	202,950	157,980
ACV0500M [^] AFX	Z50-154Y-2NU	-	-	444,670	408,760	372,950	339,080	306,380	245,090	191,320

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
ACV0150M [^] AFX	S15-52Y-2NU	-	-	152,280	139,830	127,850	116,150	105,200	84,950	66,930
ACV0200M [^] AFX	S20-56Y-2NU	-	-	-	151,170	138,540	126,460	114,570	92,840	73,440
ACV0220M [^] AFX	V20-59Y-2NU	-	-	165,740	151,110	137,320	124,190	111,490	88,160	67,990
ACV0250M [^] AFX	V25-71Y-2NU	-	-	-	-	161,530	146,530	132,210	105,200	81,840
ACV0300M [^] AFX	V30-84Y-2NU	-	-	244,430	222,980	203,120	183,370	165,070	131,470	102,340
ACV0330M [^] AFX	V35-103Y-2NU	-	-	-	-	236,380	215,790	195,870	157,950	124,030
ACV0350M [^] AFX	Z35-106Y-2NU	-	-	-	273,760	250,010	227,040	205,040	164,100	128,890
ACV0400M [^] AFX	Z40-126Y-2NU	-	-	356,180	325,490	296,410	268,760	241,650	192,320	149,630
ACV0500M [^] AFX	Z50-154Y-2NU	-	-	-	-	353,130	321,400	290,890	232,290	181,090

Notes:

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

PERFORMANCE DATA – R-404A/R-507A

Medium Temperature - 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
ACV0150M [^] AFX	S15-52Y-2NU	-	-	-	-	-	-	-	76,670	60,060
ACV0200M [^] AFX	S20-56Y-2NU	-	-	-	-	-	-	-	83,880	65,960
ACV0220M [^] AFX	V20-59Y-2NU	-	-	-	-	-	-	-	77,860	59,650
ACV0250M [^] AFX	V25-71Y-2NU	-	-	-	-	-	-	-	93,430	72,260
ACV0300M [^] AFX	V30-84Y-2NU	-	-	-	-	-	-	-	117,590	91,240
ACV0330M [^] AFX	V35-103Y-2NU	-	-	-	-	-	-	-	-	111,580
ACV0350M [^] AFX	Z35-106Y-2NU	-	-	-	-	-	-	-	146,760	115,250
ACV0400M [^] AFX	Z40-126Y-2NU	-	-	-	-	-	-	-	171,200	133,180
ACV0500M [^] AFX	Z50-154Y-2NU	-	-	-	-	-	-	-	-	160,880

Notes:

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

PERFORMANCE DATA – R-448A/R-449A

Medium Temperature - Frascold 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
ACV0150M [^] AFX	S15-52Y-2NU	193,130	174,920	157,550	141,380	125,970	111,890	98,690	76,000	57,260
ACV0200M [^] AFX	S20-56Y-2NU	213,180	193,430	174,950	157,450	141,030	125,870	111,710	86,820	66,240
ACV0220M [^] AFX	V20-59Y-2NU	218,550	199,100	180,390	162,640	146,090	130,440	115,880	90,190	68,730
ACV0250M [^] AFX	V25-71Y-2NU	262,320	239,350	217,770	197,120	177,540	159,200	142,110	111,350	85,700
ACV0300M [^] AFX	V30-84Y-2NU	318,460	290,780	264,150	238,840	215,100	192,530	171,840	134,910	103,900
ACV0330M [^] AFX	V35-103Y-2NU	375,330	343,600	313,850	285,330	258,190	232,920	208,840	165,740	129,130
ACV0350M [^] AFX	Z35-106Y-2NU	391,070	356,960	324,560	293,600	264,250	236,650	211,040	165,150	126,750
ACV0400M [^] AFX	Z40-126Y-2NU	458,420	419,460	381,800	345,910	312,180	280,220	250,350	197,270	152,660
ACV0500M [^] AFX	Z50-154Y-2NU	555,900	511,040	466,690	424,760	384,800	346,970	311,460	246,840	191,200

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
ACV0150M [^] AFX	S15-52Y-2NU	185,080	167,570	150,840	135,250	120,410	106,740	94,220	72,260	54,200
ACV0200M [^] AFX	S20-56Y-2NU	204,530	185,560	167,790	150,940	135,290	120,490	106,780	82,870	63,030
ACV0220M [^] AFX	V20-59Y-2NU	209,880	191,180	173,160	156,050	140,000	124,890	110,940	86,050	65,310
ACV0250M [^] AFX	V25-71Y-2NU	251,670	230,100	208,940	189,100	170,270	152,800	136,140	106,460	81,690
ACV0300M [^] AFX	V30-84Y-2NU	305,630	279,080	253,530	229,220	206,400	184,740	164,750	129,190	99,300
ACV0330M [^] AFX	V35-103Y-2NU	359,900	330,280	301,240	273,950	247,950	223,740	200,580	159,100	123,820
ACV0350M [^] AFX	Z35-106Y-2NU	375,700	342,910	311,820	282,040	253,640	227,340	202,440	158,100	120,980
ACV0400M [^] AFX	Z40-126Y-2NU	439,970	402,680	366,580	332,130	299,670	268,940	240,310	189,070	146,040
ACV0500M [^] AFX	Z50-154Y-2NU	532,020	489,260	446,910	407,080	368,870	332,650	298,590	236,290	183,010

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
ACV0150M [^] AFX	S15-52Y-2NU	177,050	160,210	144,150	129,140	114,810	101,710	89,700	68,570	51,210
ACV0200M [^] AFX	S20-56Y-2NU	195,940	177,680	160,620	144,440	129,370	114,990	101,920	78,880	59,830
ACV0220M [^] AFX	V20-59Y-2NU	201,580	183,250	165,940	149,380	133,990	119,290	105,840	81,940	61,900
ACV0250M [^] AFX	V25-71Y-2NU	241,010	220,370	200,100	181,080	162,970	146,070	130,040	101,550	77,680
ACV0300M [^] AFX	V30-84Y-2NU	292,660	267,310	242,840	219,510	197,600	176,980	157,570	123,450	94,690
ACV0330M [^] AFX	V35-103Y-2NU	344,560	316,320	288,570	262,510	237,670	214,450	192,260	152,340	118,420
ACV0350M [^] AFX	Z35-106Y-2NU	360,260	328,810	299,000	270,240	243,120	217,800	193,640	151,010	115,190
ACV0400M [^] AFX	Z40-126Y-2NU	421,430	385,710	351,220	318,220	287,140	257,650	230,230	180,790	139,290
ACV0500M [^] AFX	Z50-154Y-2NU	508,360	467,700	427,300	389,310	352,830	318,200	285,540	225,750	174,510

Notes:

HEAD FAN REQUIRED FOR ALL OPERATING CONDITIONS

Liquid Injection Required

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

PERFORMANCE DATA – R-448A/R-449A

Medium Temperature - 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
ACV0150M^AFX	S15-52Y-2NU	-	145,650	130,900	117,050	103,830	91,740	80,720	61,280	45,280
ACV0200M^AFX	S20-56Y-2NU	-	-	146,390	131,510	117,600	104,460	92,240	71,060	53,430
ACV0220M^AFX	V20-59Y-2NU	-	-	151,410	136,240	121,990	108,530	95,890	73,730	55,110
ACV0250M^AFX	V25-71Y-2NU	-	-	-	-	148,260	132,820	117,930	91,710	69,680
ACV0300M^AFX	V30-84Y-2NU	-	-	221,430	200,270	179,950	161,160	143,250	111,920	85,420
ACV0330M^AFX	V35-103Y-2NU	-	-	-	-	216,840	195,580	175,150	138,720	107,420
ACV0350M^AFX	Z35-106Y-2NU	-	-	-	246,890	222,290	198,600	176,260	136,870	103,500
ACV0400M^AFX	Z40-126Y-2NU	-	-	320,500	290,420	261,980	234,830	209,510	164,190	125,660
ACV0500M^AFX	Z50-154Y-2NU	-	-	-	-	320,230	289,190	258,990	204,190	156,980

Notes:

HEAD FAN REQUIRED FOR ALL OPERATING CONDITIONS

Liquid Injection Required

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

PERFORMANCE DATA – R-407A/R-407F

Medium Temperature - Frascold 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
ACV0150M [^] AFX	S15-52Y-2NU	194,580	176,910	160,010	144,020	129,070	115,110	102,000	79,100	59,740
ACV0200M [^] AFX	S20-56Y-2NU	212,440	193,150	175,130	158,030	141,960	127,040	113,070	88,250	67,250
ACV0220M [^] AFX	V20-59Y-2NU	217,190	197,420	178,870	161,310	144,940	129,380	115,010	89,210	67,260
ACV0250M [^] AFX	V25-71Y-2NU	254,980	233,060	211,570	191,540	172,430	154,490	137,660	106,980	80,700
ACV0300M [^] AFX	V30-84Y-2NU	322,380	294,100	266,930	241,080	216,980	194,170	172,850	134,970	102,590
ACV0330M [^] AFX	V35-103Y-2NU	376,580	344,140	312,570	283,070	255,120	229,110	204,370	160,020	122,170
ACV0350M [^] AFX	Z35-106Y-2NU	394,320	359,580	327,370	295,700	266,220	238,840	212,790	166,130	126,380
ACV0400M [^] AFX	Z40-126Y-2NU	473,400	433,120	394,170	356,990	322,160	288,880	257,430	201,400	153,320
ACV0500M [^] AFX	Z50-154Y-2NU	563,990	517,100	470,740	427,640	386,420	347,450	310,910	243,870	185,710

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
ACV0150M [^] AFX	S15-52Y-2NU	186,290	169,360	153,130	137,750	123,400	109,890	97,350	75,310	56,580
ACV0200M [^] AFX	S20-56Y-2NU	203,670	185,160	167,850	151,400	135,920	121,570	108,160	84,170	63,910
ACV0220M [^] AFX	V20-59Y-2NU	208,060	189,120	171,290	154,410	138,650	123,510	109,670	84,920	63,720
ACV0250M [^] AFX	V25-71Y-2NU	243,940	222,980	202,360	183,090	164,830	147,780	131,350	101,930	76,470
ACV0300M [^] AFX	V30-84Y-2NU	309,360	282,240	256,160	231,330	208,100	185,980	165,570	129,050	97,750
ACV0330M [^] AFX	V35-103Y-2NU	361,060	330,000	299,710	271,370	244,420	219,450	195,620	152,830	116,260
ACV0350M [^] AFX	Z35-106Y-2NU	377,910	344,640	313,140	283,350	255,000	228,640	203,480	158,530	120,140
ACV0400M [^] AFX	Z40-126Y-2NU	454,280	415,600	378,120	342,350	308,720	276,510	246,300	192,270	145,650
ACV0500M [^] AFX	Z50-154Y-2NU	539,420	495,190	451,140	409,700	370,060	332,500	297,070	232,330	176,380

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
ACV0150M [^] AFX	S15-52Y-2NU	178,020	161,800	146,270	131,680	117,580	104,740	92,790	71,500	53,450
ACV0200M [^] AFX	S20-56Y-2NU	194,910	177,170	160,570	144,790	130,070	115,940	103,070	80,100	60,570
ACV0220M [^] AFX	V20-59Y-2NU	198,980	180,820	163,730	147,530	132,340	117,890	104,500	80,660	60,200
ACV0250M [^] AFX	V25-71Y-2NU	232,920	212,880	193,180	174,710	157,210	140,630	124,930	96,760	72,250
ACV0300M [^] AFX	V30-84Y-2NU	296,390	270,400	245,340	221,560	199,240	178,120	158,320	123,120	92,900
ACV0330M [^] AFX	V35-103Y-2NU	345,550	315,890	286,880	259,710	233,860	209,820	186,610	145,650	110,380
ACV0350M [^] AFX	Z35-106Y-2NU	361,480	329,690	299,580	271,010	243,830	218,480	194,120	150,950	113,920
ACV0400M [^] AFX	Z40-126Y-2NU	435,140	398,080	362,110	327,700	294,900	264,290	235,370	183,020	138,050
ACV0500M [^] AFX	Z50-154Y-2NU	-	473,760	431,580	391,840	353,750	317,650	283,510	220,980	167,070

Notes:

HEAD FAN REQUIRED FOR ALL OPERATING CONDITIONS

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

PERFORMANCE DATA – R-407A/R-407F

Medium Temperature - 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
ACV0150M^AFX	S15-52Y-2NU	-	146,770	132,550	119,190	106,470	94,460	83,530	63,900	47,180
ACV0200M^AFX	S20-56Y-2NU	-	-	146,090	131,610	118,070	105,240	93,180	71,990	53,820
ACV0220M^AFX	V20-59Y-2NU	-	-	148,730	133,880	119,870	106,590	94,210	72,200	53,160
ACV0250M^AFX	V25-71Y-2NU	-	-	-	158,030	142,050	127,020	112,610	86,490	63,780
ACV0300M^AFX	V30-84Y-2NU	-	-	223,920	202,390	181,550	162,070	143,810	111,270	83,130
ACV0330M^AFX	V35-103Y-2NU	-	-	-	236,510	212,810	190,700	169,470	131,590	98,710
ACV0350M^AFX	Z35-106Y-2NU	-	-	-	246,480	221,950	198,280	176,070	136,110	101,580
ACV0400M^AFX	Z40-126Y-2NU	-	-	-	298,650	268,670	239,930	213,170	164,890	123,140
ACV0500M^AFX	Z50-154Y-2NU	-	-	-	-	321,520	288,110	256,720	198,890	148,960

Notes:

HEAD FAN REQUIRED FOR ALL OPERATING CONDITIONS

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

PERFORMANCE DATA – R-407C

Medium Temperature - Frascold 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
ACV0150M [^] AFX	S15-52Y-2NU	179,810	162,780	146,690	131,620	117,650	104,600	92,640	71,220	52,980
ACV0200M [^] AFX	S20-56Y-2NU	197,920	179,740	162,760	146,730	131,700	117,790	104,750	81,360	61,080
ACV0220M [^] AFX	V20-59Y-2NU	195,050	176,430	159,010	142,570	127,290	112,790	99,420	75,750	55,590
ACV0250M [^] AFX	V25-71Y-2NU	231,400	210,130	190,060	171,100	153,340	136,980	121,560	94,570	71,900
ACV0300M [^] AFX	V30-84Y-2NU	296,940	269,450	243,260	218,780	195,570	174,250	154,150	119,020	88,950
ACV0330M [^] AFX	V35-103Y-2NU	347,420	314,810	284,430	255,690	228,720	203,790	180,430	139,050	104,060
ACV0350M [^] AFX	Z35-106Y-2NU	355,440	322,480	291,020	261,350	233,870	207,900	184,310	143,000	108,640
ACV0400M [^] AFX	Z40-126Y-2NU	426,470	387,820	350,570	315,530	281,820	250,490	221,090	168,960	124,360
ACV0500M [^] AFX	Z50-154Y-2NU	512,020	465,870	420,800	378,650	338,800	301,680	266,460	203,780	150,230

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
ACV0150M [^] AFX	S15-52Y-2NU	173,590	157,020	141,310	126,750	112,880	100,250	88,610	67,690	-
ACV0200M [^] AFX	S20-56Y-2NU	190,420	173,190	156,560	141,130	126,630	113,180	100,480	77,940	58,210
ACV0220M [^] AFX	V20-59Y-2NU	187,700	169,680	152,840	136,920	122,090	108,180	95,260	72,240	52,710
ACV0250M [^] AFX	V25-71Y-2NU	223,280	202,720	183,460	165,190	148,070	132,260	117,500	91,430	-
ACV0300M [^] AFX	V30-84Y-2NU	286,060	259,460	234,110	210,400	187,760	167,090	147,760	113,670	84,540
ACV0330M [^] AFX	V35-103Y-2NU	333,350	301,850	272,550	244,830	218,830	194,820	172,240	132,670	99,280
ACV0350M [^] AFX	Z35-106Y-2NU	341,270	309,570	279,260	250,700	224,220	199,250	176,600	136,940	104,070
ACV0400M [^] AFX	Z40-126Y-2NU	408,920	371,820	336,080	302,410	269,930	239,950	211,500	161,320	118,240
ACV0500M [^] AFX	Z50-154Y-2NU	492,580	447,420	404,770	364,050	325,520	289,570	255,510	195,000	142,940

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
ACV0150M [^] AFX	S15-52Y-2NU	167,830	151,660	136,350	122,090	108,620	96,230	84,850	64,410	-
ACV0200M [^] AFX	S20-56Y-2NU	182,910	166,050	150,320	135,480	121,500	108,420	96,250	74,460	55,360
ACV0220M [^] AFX	V20-59Y-2NU	180,380	163,030	146,680	131,330	117,010	103,500	91,080	68,780	49,870
ACV0250M [^] AFX	V25-71Y-2NU	215,300	195,560	177,000	159,440	142,970	127,700	113,440	88,440	-
ACV0300M [^] AFX	V30-84Y-2NU	275,160	249,470	224,980	202,010	180,200	160,120	141,550	108,390	80,140
ACV0330M [^] AFX	V35-103Y-2NU	319,230	288,910	260,680	233,980	209,260	185,600	164,160	126,240	94,500
ACV0350M [^] AFX	Z35-106Y-2NU	327,280	296,800	267,650	240,050	214,610	190,960	169,030	131,050	99,660
ACV0400M [^] AFX	Z40-126Y-2NU	391,270	355,740	321,460	289,160	258,060	229,050	201,900	153,650	112,000
ACV0500M [^] AFX	Z50-154Y-2NU	473,650	430,180	389,020	349,720	312,820	277,730	245,030	186,300	135,860

Notes:

HEAD FAN REQUIRED FOR ALL OPERATING CONDITIONS

Liquid Injection Required

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

PERFORMANCE DATA – R-407C

Medium Temperature - 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
ACV0150M^AFX	S15-52Y-2NU	157,940	142,560	128,020	114,280	101,470	89,600	78,640	59,020	42,130
ACV0200M^AFX	S20-56Y-2NU	167,740	152,510	137,750	124,050	111,210	99,090	87,770	67,360	49,520
ACV0220M^AFX	V20-59Y-2NU	165,980	149,890	134,780	120,480	107,010	94,480	82,940	-	44,360
ACV0250M^AFX	V25-71Y-2NU	-	-	164,580	148,400	133,310	119,150	106,060	82,890	-
ACV0300M^AFX	V30-84Y-2NU	253,620	229,740	206,740	185,340	165,190	146,200	128,890	97,930	71,440
ACV0330M^AFX	V35-103Y-2NU	-	263,130	237,040	212,420	189,410	168,010	148,050	113,630	85,060
ACV0350M^AFX	Z35-106Y-2NU	-	271,580	244,840	219,900	196,210	174,610	154,410	119,810	91,380
ACV0400M^AFX	Z40-126Y-2NU	356,280	323,810	292,450	262,690	234,350	207,600	182,910	138,230	99,690
ACV0500M^AFX	Z50-154Y-2NU	-	-	358,290	321,850	287,520	254,670	224,320	169,680	122,460

Notes:

HEAD FAN REQUIRED FOR ALL OPERATING CONDITIONS

Liquid Injection Required

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

UNIT SPECIFICATIONS

Medium & Low Temperature - Frascold Compressor Models

Model	Compressor	Refrigerant Line Connections (OD)		Rec. Capacity @90% full (lbs)	Condenser Fan Data		Dimensions (In.)			Net Wt. (lbs.)
		Liquid	Suction		No. Fans	Dia.	Length	Width	Height	
ACV0130L^AFX	V15-59Y-2NU	1-1/8	2-1/8	123	2	30"	176.35	48.9	59.4	2,274
ACV0150L^AFX	V15-71Y-2NU	1-1/8	2-1/8	123	2	30"	176.35	48.9	59.4	2,282
ACV0200L^AFX	V20-84Y-2NU	1-1/8	2-1/8	123	2	30"	176.35	48.9	59.4	2,290
ACV0220L^AFX	V25-103Y-2NU	1-1/8	2-1/8	123	2	30"	176.35	48.9	59.4	2,264
ACV0250L^AFX	Z25-106Y-2NU	1-1/8	2-1/8	123	2	30"	176.35	48.9	59.4	2,319
ACV0300L^AFX	Z30-126Y-2NU	1-1/8	2-1/8	123	2	30"	176.35	48.9	59.4	2,319
ACV0400L^AFX	Z40-154Y-2NU	1-1/8	2-1/8	188	3	30"	229.4	48.9	59.4	2,931
ACV0150M^AFX	S15-52Y-2NU	1-1/8	1-5/8	123	2	30"	176.35	48.9	59.4	2,168
ACV0200M^AFX	S20-56Y-2NU	1-1/8	2-1/8	123	2	30"	176.35	48.9	59.4	2,177
ACV0220M^AFX	V20-59Y-2NU	1-1/8	2-1/8	123	2	30"	176.35	48.9	59.4	2,183
ACV0250M^AFX	V25-71Y-2NU	1-1/8	2-1/8	123	2	30"	176.35	48.9	59.4	2,195
ACV0300M^AFX	V30-84Y-2NU	1-1/8	2-1/8	188	3	30"	229.4	48.9	59.4	2,661
ACV0330M^AFX	V35-103Y-2NU	1-1/8	2-1/8	188	3	30"	229.4	48.9	59.4	2,750
ACV0350M^AFX	Z35-106Y-2NU	1-1/8	2-1/8	188	3	30"	229.4	48.9	59.4	2,807
ACV0400M^AFX	Z40-126Y-2NU	1-1/8	2-1/8	188	4	30"	282.5	48.9	61.4	3,595
ACV0500M^AFX	Z50-154Y-2NU	1-1/8	2-1/8	188	4	30"	282.5	48.9	61.4	3,571

Notes:

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

ELECTRICAL DATA

Low Temperature - Frascold Compressor Models/208-230V

Model	Compressor	Condensing Unit						Remote Loads: Four Contactors							
		Compressor		Condenser		Air Defrost		Low Amps "4L"				High Amps "4H"			
		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
ACV0130LCAFX	V15-59Y-2NU	62.8	248.0	2	13.2	91.7	150.0	22	48	113.7	150.0	22	64	113.7	150.0
ACV0150LCAFX	V15-71Y-2NU	66.7	248.0	2	13.2	96.6	150.0	25	64	121.6	150.0	25	91	121.6	150.0
ACV0200LCAFX	V20-84Y-2NU	63.5	367.0	2	13.2	92.6	150.0	25	96	120.0	150.0	25	105	131.3	150.0
ACV0220LCAFX	V25-103Y-2NU	92.3	415.0	2	13.2	128.6	200.0	25	96	153.6	225.0	25	105	153.6	225.0
ACV0250LCAFX	Z25-106Y-2NU	71.8	415.0	2	13.2	103.0	150.0	25	96	128.0	150.0	25	108	135.0	150.0
ACV0300LCAFX	Z30-126Y-2NU	86.5	462.0	2	13.2	121.3	200.0	30	150	187.5	225.0	30	181	226.3	250.0
ACV0400LCAFX	Z40-154Y-2NU	124.4	520.0	3	19.8	175.3	250.0	30	150	205.3	300.0	30	181	226.3	300.0

Model	Compressor	Condensing Unit						Remote Loads: Three Contactors							
		Compressor		Condenser		Air Defrost		Low Amps "3L"				High Amps "3H"			
		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
ACV0130LCAFX	V15-59Y-2NU	62.8	248.0	2	13.2	91.7	150.0	20	40	111.7	150.0	22	48	113.7	150.0
ACV0150LCAFX	V15-71Y-2NU	66.7	248.0	2	13.2	96.6	150.0	22	70	118.6	150.0	25	64	121.6	150.0
ACV0200LCAFX	V20-84Y-2NU	63.5	367.0	2	13.2	92.6	150.0	20	85	112.6	150.0	25	96	120.0	150.0
ACV0220LCAFX	V25-103Y-2NU	92.3	415.0	2	13.2	128.6	200.0	20	85	148.6	225.0	25	96	153.6	225.0
ACV0250LCAFX	Z25-106Y-2NU	71.8	415.0	2	13.2	103.0	150.0	20	80	123.0	150.0	25	96	128.0	150.0
ACV0300LCAFX	Z30-126Y-2NU	86.5	462.0	2	13.2	121.3	200.0	20	96	141.3	225.0	25	96	146.3	225.0
ACV0400LCAFX	Z40-154Y-2NU	124.4	520.0	3	19.8	175.3	250.0	20	96	195.3	300.0	25	96	200.3	300.0

ELECTRICAL DATA

Low Temperature - Frascold Compressor Models/208-230V (cont.)

		Condensing Unit						Remote Loads: Two Contactors							
Model	Compressor	Compressor		Condenser		Air Defrost		Low Amps "2L"				High Amps "2H"			
		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
ACV0130LCAFX	V15-59Y-2NU	62.8	248.0	2	13.2	91.7	150.0	15	34	106.7	150.0	20	74	111.7	150.0
ACV0150LCAFX	V15-71Y-2NU	66.7	248.0	2	13.2	96.6	150.0	20	80	116.6	150.0	20	91	116.6	150.0
ACV0200LCAFX	V20-84Y-2NU	63.5	367.0	2	13.2	92.6	150.0	20	80	112.6	150.0	20	96	120.0	150.0
ACV0220LCAFX	V25-103Y-2NU	92.3	415.0	2	13.2	128.6	200.0	20	80	148.6	225.0	20	96	148.6	225.0
ACV0250LCAFX	Z25-106Y-2NU	71.8	415.0	2	13.2	103.0	150.0	20	80	123.0	150.0	20	96	123.0	150.0
ACV0300LCAFX	Z30-126Y-2NU	86.5	462.0	2	13.2	121.3	200.0	20	80	141.3	225.0	20	96	141.3	225.0
ACV0400LCAFX	Z40-154Y-2NU	124.4	520.0	3	19.8	175.3	250.0	20	80	195.3	300.0	20	96	195.3	300.0

		Condensing Unit						Remote Loads: One Contactor							
Model	Compressor	Compressor		Condenser		Air Defrost		Low Amps "1L"				High Amps "1H"			
		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
ACV0130LCAFX	V15-59Y-2NU	62.8	248.0	2	13.2	91.7	150.0	15	40	106.7	150.0	15	48	106.7	150.0
ACV0150LCAFX	V15-71Y-2NU	66.7	248.0	2	13.2	96.6	150.0	15	40	111.6	150.0	15	48	111.6	150.0
ACV0200LCAFX	V20-84Y-2NU	63.5	367.0	2	13.2	92.6	150.0	15	40	107.6	150.0	15	48	107.6	150.0
ACV0220LCAFX	V25-103Y-2NU	92.3	415.0	2	13.2	128.6	200.0	15	40	143.6	225.0	15	48	143.6	225.0
ACV0250LCAFX	Z25-106Y-2NU	71.8	415.0	2	13.2	103.0	150.0	-	-	-	-	-	-	-	150.0
ACV0300LCAFX	Z30-126Y-2NU	86.5	462.0	2	13.2	121.3	200.0	-	-	-	-	-	-	-	250.0
ACV0400LCAFX	Z40-154Y-2NU	124.4	520.0	3	19.8	175.3	250.0	-	-	-	-	-	-	-	300.0

ELECTRICAL DATA

Low Temperature - Frascold Compressor Models/460V

Model	Compressor	Condensing Unit						Remote Loads: Four Contactors							
		Compressor		Condenser		Air Defrost		Low Amps "4L"				High Amps "4H"			
		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
ACV0130LDAFX	V15-59Y-2NU	29.5	121.0	2	6.6	43.5	70.0	-	-	-	-	-	-	-	-
ACV0150LDAFX	V15-71Y-2NU	35.3	121.0	2	6.6	50.7	80.0	15	48	65.7	100.0	15	48	65.7	100.0
ACV0200LDAFX	V20-84Y-2NU	31.4	184.0	2	6.6	45.9	70.0	15	48	60.9	90.0	15	48	60.9	90.0
ACV0220LDAFX	V25-103Y-2NU	43.6	207.0	2	6.6	61.1	100.0	15	48	76.1	100.0	15	48	76.1	100.0
ACV0250LDAFX	Z25-106Y-2NU	38.5	207.0	2	6.6	54.7	90.0	15	48	69.7	100.0	15	64	80.0	100.0
ACV0300LDAFX	Z30-126Y-2NU	42.9	231.0	2	6.6	60.2	100.0	20	64	80.2	100.0	20	91	113.8	125.0
ACV0400LDAFX	Z40-154Y-2NU	59.6	260.0	3	9.9	84.4	125.0	20	64	104.4	150.0	20	91	113.8	150.0

Model	Compressor	Condensing Unit						Remote Loads: Three Contactors							
		Compressor		Condenser		Air Defrost		Low Amps "3L"				High Amps "3H"			
		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
ACV0130LDAFX	V15-59Y-2NU	29.5	121.0	2	6.6	43.5	70.0	15	22	58.5	80.0	20	22	63.5	90.0
ACV0150LDAFX	V15-71Y-2NU	35.3	121.0	2	6.6	50.7	80.0	15	32	65.7	100.0	15	48	65.7	100.0
ACV0200LDAFX	V20-84Y-2NU	31.4	184.0	2	6.6	45.9	70.0	15	48	60.9	90.0	15	48	60.9	90.0
ACV0220LDAFX	V25-103Y-2NU	43.6	207.0	2	6.6	61.1	100.0	15	48	76.1	100.0	15	48	76.1	100.0
ACV0250LDAFX	Z25-106Y-2NU	38.5	207.0	2	6.6	54.7	90.0	15	48	69.7	100.0	15	64	80.0	100.0
ACV0300LDAFX	Z30-126Y-2NU	42.9	231.0	2	6.6	60.2	100.0	15	64	80.0	100.0	22	64	82.2	125.0
ACV0400LDAFX	Z40-154Y-2NU	59.6	260.0	3	9.9	84.4	125.0	15	64	99.4	150.0	22	64	106.4	150.0

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™/ Beacon II™ 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

ELECTRICAL DATA

Low Temperature - Frascold Compressor Models/460V (cont.)

Model	Compressor	Condensing Unit						Remote Loads: Two Contactors							
		Compressor		Condenser		Air Defrost		Low Amps "2L"				High Amps "2H"			
		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
ACV0130LDAFX	V15-59Y-2NU	29.5	121.0	2	6.6	43.5	70.0	10	19	53.5	80.0	15	38	58.5	80.0
ACV0150LDAFX	V15-71Y-2NU	35.3	121.0	2	6.6	50.7	80.0	15	32	65.7	100.0	15	48	65.7	100.0
ACV0200LDAFX	V20-84Y-2NU	31.4	184.0	2	6.6	45.9	70.0	15	48	60.9	90.0	15	64	80.0	90.0
ACV0220LDAFX	V25-103Y-2NU	43.6	207.0	2	6.6	61.1	100.0	15	48	76.1	100.0	15	64	80.0	100.0
ACV0250LDAFX	Z25-106Y-2NU	38.5	207.0	2	6.6	54.7	90.0	15	48	69.7	100.0	15	64	80.0	100.0
ACV0300LDAFX	Z30-126Y-2NU	42.9	231.0	2	6.6	60.2	100.0	15	48	75.2	100.0	15	80	100.0	100.0
ACV0400LDAFX	Z40-154Y-2NU	59.6	260.0	3	9.9	84.4	125.0	15	48	99.4	150.0	15	80	100.0	150.0

Model	Compressor	Condensing Unit						Remote Loads: One Contactor							
		Compressor		Condenser		Air Defrost		Low Amps "1L"				High Amps "4H"			
		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
ACV0130LDAFX	V15-59Y-2NU	29.5	121.0	2	6.6	43.5	70.0	10	19	53.5	80.0	10	24	53.5	80.0
ACV0150LDAFX	V15-71Y-2NU	35.3	121.0	2	6.6	50.7	80.0	15	24	65.7	100.0	15	40	65.7	100.0
ACV0200LDAFX	V20-84Y-2NU	31.4	184.0	2	6.6	45.9	70.0	15	40	60.9	90.0	15	48	60.9	90.0
ACV0220LDAFX	V25-103Y-2NU	43.6	207.0	2	6.6	61.1	100.0	15	40	76.1	100.0	15	48	76.1	100.0
ACV0250LDAFX	Z25-106Y-2NU	38.5	207.0	2	6.6	54.7	90.0	15	40	69.7	100.0	15	48	69.7	100.0
ACV0300LDAFX	Z30-126Y-2NU	42.9	231.0	2	6.6	60.2	100.0	15	40	75.2	100.0	15	48	75.2	100.0
ACV0400LDAFX	Z40-154Y-2NU	59.6	260.0	3	9.9	84.4	125.0	15	40	99.4	150.0	15	48	99.4	150.0

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™/ Beacon II™ 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

ELECTRICAL DATA

Medium Temperature - Frascold Compressor Models/208-230V

Model	Compressor	Condensing Unit						Remote Loads: Four Contactors							
		Compressor		Condenser		Air Defrost		Low Amps "4L"				High Amps "4H"			
		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
ACV0150MCAFX	S15-52Y-2NU	67.3	231.0	2	13.2	97.3	150.0	25	96	122.3	150.0	25	108	135.0	150.0
ACV0200MCAFX	S20-56Y-2NU	73.1	293.0	2	13.2	104.6	150.0	25	96	129.6	200.0	25	108	135.0	200.0
ACV0220MCAFX	V20-59Y-2NU	69.2	367.0	2	13.2	99.7	150.0	25	96	124.7	150.0	25	108	135.0	150.0
ACV0250MCAFX	V25-71Y-2NU	73.7	415.0	2	13.2	105.3	150.0	25	125	156.3	200.0	30	181	226.3	250.0
ACV0300MCAFX	V30-84Y-2NU	96.8	462.0	3	19.8	140.8	225.0	30	149	186.3	250.0	30	181	226.3	250.0
ACV0330MCAFX	V35-103Y-2NU	108.3	507.0	3	19.8	155.2	250.0	30	149	186.3	250.0	30	181	226.3	250.0
ACV0350MCAFX	Z35-106Y-2NU	107.7	507.0	3	19.8	154.4	250.0	35	160	200.0	250.0	35	192	240.0	250.0
ACV0400MCAFX	Z40-126Y-2NU	136.5	520.0	4	26.4	197.0	300.0	35	160	232.0	300.0	35	192	240.0	300.0
ACV0500MCAFX	Z50-154Y-2NU	167.3	603.0	4	26.4	235.5	400.0	35	160	270.5	400.0	35	192	270.5	400.0

Model	Compressor	Condensing Unit						Remote Loads: Three Contactors							
		Compressor		Condenser		Air Defrost		Low Amps "3L"				High Amps "3H"			
		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
ACV0150MCAFX	S15-52Y-2NU	67.3	231.0	2	13.2	97.3	150.0	25	96	122.3	150.0	25	96	122.3	150.0
ACV0200MCAFX	S20-56Y-2NU	73.1	293.0	2	13.2	104.6	150.0	25	96	129.6	200.0	25	96	129.6	200.0
ACV0220MCAFX	V20-59Y-2NU	69.2	367.0	2	13.2	99.7	150.0	22	96	121.7	150.0	25	96	124.7	150.0
ACV0250MCAFX	V25-71Y-2NU	73.7	415.0	2	13.2	105.3	150.0	20	96	125.3	150.0	25	120	150.0	200.0
ACV0300MCAFX	V30-84Y-2NU	96.8	462.0	3	19.8	140.8	225.0	25	125	165.8	250.0	20	125	160.8	250.0
ACV0330MCAFX	V35-103Y-2NU	108.3	507.0	3	19.8	155.2	250.0	25	125	180.2	250.0	20	125	175.2	250.0
ACV0350MCAFX	Z35-106Y-2NU	107.7	507.0	3	19.8	154.4	250.0	30	150	187.5	250.0	35	150	189.4	250.0
ACV0400MCAFX	Z40-126Y-2NU	136.5	520.0	4	26.4	197.0	300.0	30	150	227.0	300.0	30	150	227.0	300.0
ACV0500MCAFX	Z50-154Y-2NU	167.3	603.0	4	26.4	235.5	400.0	30	150	265.5	400.0	30	150	265.5	400.0

ELECTRICAL DATA

Medium Temperature - Frascold Compressor Models/208-230V (cont.)

Model	Compressor	Condensing Unit						Remote Loads: Two Contactors							
		Compressor		Condenser		Air Defrost		Low Amps "2L"				High Amps "2H"			
		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
ACV0150MCAFX	S15-52Y-2NU	67.3	231.0	2	13.2	97.3	150.0	25	80	122.3	150.0	25	96	122.3	150.0
ACV0200MCAFX	S20-56Y-2NU	73.1	293.0	2	13.2	104.6	150.0	25	80	129.6	200.0	25	96	129.6	200.0
ACV0220MCAFX	V20-59Y-2NU	69.2	367.0	2	13.2	99.7	150.0	20	80	119.7	150.0	20	96	120.0	150.0
ACV0250MCAFX	V25-71Y-2NU	73.7	415.0	2	13.2	105.3	150.0	-	-	-	-	-	-	-	-
ACV0300MCAFX	V30-84Y-2NU	96.8	462.0	3	19.8	140.8	225.0	-	-	-	-	-	-	-	-
ACV0330MCAFX	V35-103Y-2NU	108.3	507.0	3	19.8	155.2	250.0	-	-	-	-	-	-	-	-
ACV0350MCAFX	Z35-106Y-2NU	107.7	507.0	3	19.8	154.4	250.0	-	-	-	-	-	-	-	-
ACV0400MCAFX	Z40-126Y-2NU	136.5	520.0	4	26.4	197.0	300.0	-	-	-	-	-	-	-	-
ACV0500MCAFX	Z50-154Y-2NU	167.3	603.0	4	26.4	235.5	400.0	-	-	-	-	-	-	-	-

Model	Compressor	Condensing Unit						Remote Loads: One Contactor							
		Compressor		Condenser		Air Defrost		Low Amps "1L"				High Amps "1H"			
		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
ACV0150MCAFX	S15-52Y-2NU	67.3	231.0	2	13.2	97.3	150.0	-	-	-	-	-	-	-	-
ACV0200MCAFX	S20-56Y-2NU	73.1	293.0	2	13.2	104.6	150.0	-	-	-	-	-	-	-	-
ACV0220MCAFX	V20-59Y-2NU	69.2	367.0	2	13.2	99.7	150.0	-	-	-	-	-	-	-	-
ACV0250MCAFX	V25-71Y-2NU	73.7	415.0	2	13.2	105.3	150.0	-	-	-	-	-	-	-	-
ACV0300MCAFX	V30-84Y-2NU	96.8	462.0	3	19.8	140.8	225.0	-	-	-	-	-	-	-	-
ACV0330MCAFX	V35-103Y-2NU	108.3	507.0	3	19.8	155.2	250.0	-	-	-	-	-	-	-	-
ACV0350MDAFX	Z35-106Y-2NU	107.7	507.0	3	19.8	154.4	250.0	-	-	-	-	-	-	-	-
ACV0400MDAFX	Z40-126Y-2NU	136.5	520.0	4	26.4	197.0	300.0	-	-	-	-	-	-	-	-
ACV0500MDAFX	Z50-154Y-2NU	167.3	603.0	4	26.4	235.5	400.0	-	-	-	-	-	-	-	-

ELECTRICAL DATA

Medium Temperature - Frascold Compressor Models/460V

Model	Compressor	Condensing Unit						Remote Loads: Four Contactors							
		Compressor		Condenser		Air Defrost		Low Amps "4L"				High Amps "4H"			
		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
ACV0150MDAFX	S15-52Y-2NU	32.7	113.0	2	6.6	47.5	80.0	15	48	62.5	90.0	15	64	80.0	90.0
ACV0200MDAFX	S20-56Y-2NU	36.5	143.0	2	6.6	52.2	80.0	15	48	67.2	100.0	15	64	80.0	100.0
ACV0220MDAFX	V20-59Y-2NU	35.3	184.0	2	6.6	50.7	80.0	15	48	65.7	100.0	15	64	80.0	100.0
ACV0250MDAFX	V25-71Y-2NU	36.5	207.0	2	6.6	52.2	80.0	20	64	80.0	100.0	20	96	120.0	125.0
ACV0300MDAFX	V30-84Y-2NU	48.1	231.0	3	9.9	70.0	100.0	20	64	90.0	125.0	20	96	120.0	125.0
ACV0330MDAFX	V35-103Y-2NU	55.8	253.0	3	9.9	79.7	125.0	20	64	99.7	150.0	20	96	120.0	150.0
ACV0350MDAFX	Z35-106Y-2NU	53.2	253.0	3	9.9	76.4	125.0	20	64	96.4	125.0	20	96	120.0	125.0
ACV0400MDAFX	Z40-126Y-2NU	68.6	260.0	4	13.2	99.0	150.0	20	64	119.0	150.0	20	96	120.0	150.0
ACV0500MDAFX	Z50-154Y-2NU	89.7	302.0	4	13.2	125.3	200.0	20	64	145.3	225.0	20	96	145.3	225.0

Model	Compressor	Condensing Unit						Remote Loads: Three Contactors							
		Compressor		Condenser		Air Defrost		Low Amps "3L"				High Amps "3H"			
		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
ACV0150MDAFX	S15-52Y-2NU	32.7	113.0	2	6.6	47.5	80.0	15	48	62.5	90.0	15	64	80.0	90.0
ACV0200MDAFX	S20-56Y-2NU	36.5	143.0	2	6.6	52.2	80.0	15	48	67.2	100.0	15	64	80.0	100.0
ACV0220MDAFX	V20-59Y-2NU	35.3	184.0	2	6.6	50.7	80.0	15	64	80.0	100.0	15	64	80.0	100.0
ACV0250MDAFX	V25-71Y-2NU	36.5	207.0	2	6.6	52.2	80.0	15	64	80.0	100.0	20	64	80.0	100.0
ACV0300MDAFX	V30-84Y-2NU	48.1	231.0	3	9.9	70.0	100.0	20	64	90.0	125.0	20	64	90.0	125.0
ACV0330MDAFX	V35-103Y-2NU	55.8	253.0	3	9.9	79.7	125.0	20	64	99.7	150.0	20	64	99.7	150.0
ACV0350MDAFX	Z35-106Y-2NU	53.2	253.0	3	9.9	76.4	125.0	20	64	96.4	125.0	20	96	120.0	125.0
ACV0400MDAFX	Z40-126Y-2NU	68.6	260.0	4	13.2	99.0	150.0	20	64	119.0	150.0	22	64	121.0	150.0
ACV0500MDAFX	Z50-154Y-2NU	89.7	302.0	4	13.2	125.3	200.0	20	64	145.3	225.0	22	64	147.3	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™/ Beacon II™ 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

ELECTRICAL DATA

Medium Temperature - Frascold Compressor Models/460V (cont.)

		Condensing Unit						Remote Loads: Two Contactors							
Model	Compressor	Compressor		Condenser		Air Defrost		Low Amps "2L"				High Amps "2H"			
		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
ACV0150MDAFX	S15-52Y-2NU	32.7	113.0	2	6.6	47.5	80.0	15	48	62.5	90.0	15	64	80.0	90.0
ACV0200MDAFX	S20-56Y-2NU	36.5	143.0	2	6.6	52.2	80.0	15	48	67.2	100.0	15	64	80.0	100.0
ACV0220MDAFX	V20-59Y-2NU	35.3	184.0	2	6.6	50.7	80.0	15	48	65.7	100.0	15	64	80.0	100.0
ACV0250MDAFX	V25-71Y-2NU	36.5	207.0	2	6.6	52.2	80.0	15	48	67.2	100.0	15	80	100.0	100.0
ACV0300MDAFX	V30-84Y-2NU	48.1	231.0	3	9.9	70.0	100.0	15	80	100.0	125.0	20	96	120.0	125.0
ACV0330MDAFX	V35-103Y-2NU	55.8	253.0	3	9.9	79.7	125.0	15	80	100.0	150.0	20	96	120.0	150.0
ACV0350MDAFX	Z35-106Y-2NU	53.2	253.0	3	9.9	76.4	125.0	20	80	100.0	125.0	20	96	120.0	125.0
ACV0400MDAFX	Z40-126Y-2NU	68.6	260.0	4	13.2	99.0	150.0	20	80	119.0	150.0	20	96	120.0	150.0
ACV0500MDAFX	Z50-154Y-2NU	89.7	302.0	4	13.2	125.3	200.0	20	80	145.3	225.0	20	96	145.3	225.0

		Condensing Unit						Remote Loads: One Contactor							
Model	Compressor	Compressor		Condenser		Air Defrost		Low Amps "1L"				High Amps "1H"			
		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
ACV0150MDAFX	S15-52Y-2NU	32.7	113.0	2	6.6	47.5	80.0	15	40	62.5	90.0	15	48	62.5	90.0
ACV0200MDAFX	S20-56Y-2NU	36.5	143.0	2	6.6	52.2	80.0	15	40	67.2	100.0	15	48	67.2	100.0
ACV0220MDAFX	V20-59Y-2NU	35.3	184.0	2	6.6	50.7	80.0	15	40	65.7	100.0	15	48	65.7	100.0
ACV0250MDAFX	V25-71Y-2NU	36.5	207.0	2	6.6	52.2	80.0	-	-	-	-	-	-	-	-
ACV0300MDAFX	V30-84Y-2NU	48.1	231.0	3	9.9	70.0	100.0	-	-	-	-	-	-	-	-
ACV0330MDAFX	V35-103Y-2NU	55.8	253.0	3	9.9	79.7	125.0	-	-	-	-	-	-	-	-
ACV0350MDAFX	Z35-106Y-2NU	53.2	253.0	3	9.9	76.4	125.0	-	-	-	-	-	-	-	-
ACV0400MDAFX	Z40-126Y-2NU	68.6	260.0	4	13.2	99.0	150.0	-	-	-	-	-	-	-	-
ACV0500MDAFX	Z50-154Y-2NU	89.7	302.0	4	13.2	125.3	200.0	-	-	-	-	-	-	-	-

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™/ Beacon II™ 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 Discus Compressor Models - Outdoor

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 cooler applications

Model	Outdoor		
	R-454A	R-454C	R-455A
ACV0120L*ACE	3.15	3.15	3.15
ACV0150L*ACE	3.15	3.15	3.15
ACV0220L*ACE	3.15	3.15	3.15
ACV0270L*ACE	3.15	3.15	—
ACV0300L*ACE	—	—	—
ACV0400L*ACE	—	—	—

Notes:

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

X = model not suitable for this refrigerant

— = model is not DOE AWEF compliant

A2L AWEF DATA – MEDIUM TEMPERATURE

Copeland Discus Compressor Models - Outdoor

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 cooler applications

Model	Outdoor 230V		
	R-454A	R-454C	R-455A
ACV0150MCACE	7.6	7.6	7.6
ACV0151MCACE	7.6	7.6	7.6
ACV0200MCACE	7.6	7.6	7.6
ACV0201MCACE	7.6	7.6	–
ACV0250MCACE	7.6	7.6	7.6
ACV0251MCACE	7.6	7.6	7.6
ACV0260MCACE	7.6	7.6	7.6
ACV0300MCACE	7.6	7.6	7.6
ACV0301MCACE	7.6	7.6	–
ACV0350MCACE	7.6	7.6	7.6
ACV0351MCACE	7.6	7.6	7.6
ACV0400MCACE	7.6	7.6	7.6
ACV0401MCACE	7.6	7.6	–
ACV0500MKACE	–	–	–

Model	Outdoor 230V		
	R-454A	R-454C	R-455A
ACV0150MDACE	7.6	7.6	7.6
ACV0151MDACE	7.6	7.6	–
ACV0200MDACE	7.6	7.6	7.6
ACV0201MDACE	7.6	7.6	7.6
ACV0250MDACE	7.6	7.6	7.6
ACV0251MDACE	7.6	7.6	–
ACV0260MDACE	7.6	7.6	7.6
ACV0300MDACE	7.6	7.6	7.6
ACV0301MDACE	7.6	7.6	7.6
ACV0350MDACE	7.6	7.6	7.6
ACV0351MDACE	7.6	7.6	–
ACV0400MDACE	7.6	7.6	7.6
ACV0401MDACE	–	7.6	7.6
ACV0500MDACE	7.6	7.6	7.6

Notes:

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 Semi-Hermetic Compressor Models - Outdoor

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 cooler applications

Model	Outdoor		
	R-454A	R-454C	R-455A
ACV0130L*ABV	X	3.15	3.15
ACV0150L*ABV	X	3.15	3.15
ACV0200L*ABV	X	3.15	3.15
ACV0220L*ABV	X	3.15	3.15
ACV0250L*ABV	X	3.15	3.15
ACV0300L*ABV	X	3.15	—
ACV0400L*ABV	X	—	—

A2L AWEF DATA – MEDIUM TEMPERATURE

Bitzer Semi-Hermetic Compressor Models - Outdoor

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
ACV0150M*ABV	X	7.6	7.6
ACV0200M*ABV	X	7.6	7.6
ACV0220M*ABV	X	7.6	7.6
ACV0250M*ABV	X	7.6	7.6
ACV0300M*ABV	X	7.6	7.6
ACV0330M*ABV	X	7.6	7.6
ACV0350M*ABV	X	7.6	7.6
ACV0400M*ABV	X	7.6	7.6
ACV0500M*ABV	X	7.6	7.6

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

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 Discus Compressor Models - Outdoor

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
ACV0120L^ACD	3.15	3.15	3.15	3.15	3.15	3.15
ACV0150L^ACD	3.15	-	-	-	-	3.15
ACV0220L^ACD	3.15	3.15	3.15	3.15	3.15	3.15
ACV0270L^ACD	3.15	-	-	-	-	3.15
ACV0300L^ACD	-	-	-	-	-	-

A1 AWEF DATA – MEDIUM TEMPERATURE

Copeland Discus Compressor Models - Outdoor

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 cooler applications

Model	Outdoor					
	R-404A/ R-507A	R-448A	R-449A	R-407A	R-407C	R-407F
ACV0150M^ACD	7.60	7.60	7.60	7.60	7.60	7.60
ACV0151M^ACD	7.60	7.60	7.60	7.60	7.60	7.60
ACV0200M^ACD	7.60	7.60	7.60	7.60	7.60	7.60
ACV0201M^ACD	7.60	-	-	-	-	7.60
ACV0250M^ACD	7.60	7.60	7.60	7.60	7.60	7.60
ACV0251M^ACD	7.60	7.60	7.60	7.60	7.60	7.60
ACV0260M^ACD	7.60	7.60	7.60	7.60	7.60	7.60
ACV0300M^ACD	7.60	7.60	7.60	7.60	7.60	7.60
ACV0301M^ACD	-	-	-	-	-	-
ACV0350M^ACD	7.60	7.60	7.60	-	-	7.60
ACV0351M^ACD	7.60	7.60	7.60	7.60	7.60	7.60
ACV0400M^ACD	-	7.60	7.60	7.60	-	7.60
ACV0401M^ACD	-	-	-	-	-	7.60

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

A1 AWEF DATA – LOW TEMPERATURE

Bitzer Semi-Hermetic Compressor Models - Outdoor

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
ACV0130L^ABX	3.15	3.15	3.15	3.15	X	3.15
ACV0150L^ABX	3.15	3.15	3.15	3.15	X	3.15
ACV0200L^ABX	3.15	3.15	3.15	3.15	X	3.15
ACV0220L^ABX	3.15	3.15	3.15	3.15	X	3.15
ACV0250L^ABX	-	3.15	3.15	3.15	X	3.15
ACV0300L^ABX	-	-	-	-	X	3.15
ACV0400L^ABX	-	-	-	-	X	-

A1 AWEF DATA – MEDIUM TEMPERATURE

Bitzer Semi-Hermetic Compressor Models - Outdoor

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 cooler applications

Model	Outdoor					
	R-404A/ R-507A	R-448A	R-449A	R-407A	R-407C	R-407F
ACV0150M^ABX	7.60	7.60	7.60	7.60	7.60	7.60
ACV0200M^ABX	7.60	7.60	7.60	7.60	7.60	7.60
ACV0220M^ABX	7.60	7.60	7.60	7.60	7.60	7.60
ACV0250M^ABX	7.60	7.60	7.60	7.60	7.60	7.60
ACV0300M^ABX	7.60	7.60	7.60	7.60	7.60	7.60
ACV0330M^ABX	7.60	7.60	7.60	7.60	7.60	7.60
ACV0350M^ABX	7.60	7.60	7.60	7.60	7.60	7.60
ACV0400M^ABX	7.60	7.60	7.60	7.60	7.60	7.60
ACV0500M^ABX	7.60	7.60	7.60	7.60	7.60	7.60

Notes:

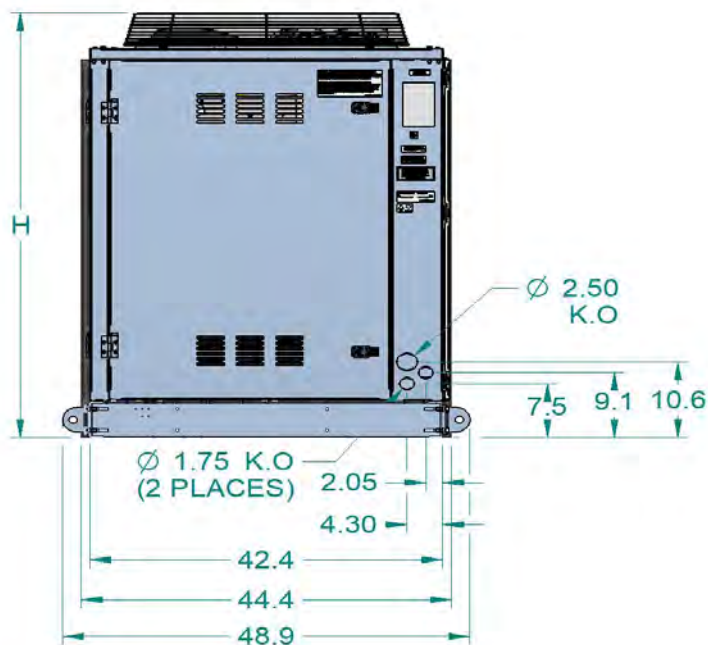
^ C = 208-230/3/60, D = 460/3/60, E = 575/3/60

X = model not suitable for this refrigerant

— = model is not DOE AWEF compliant

A2L DIMENSIONAL DRAWINGS

12-20 HP SINGLE COMPRESSOR VERTICAL AIR-COOLED CONDENSING UNITS

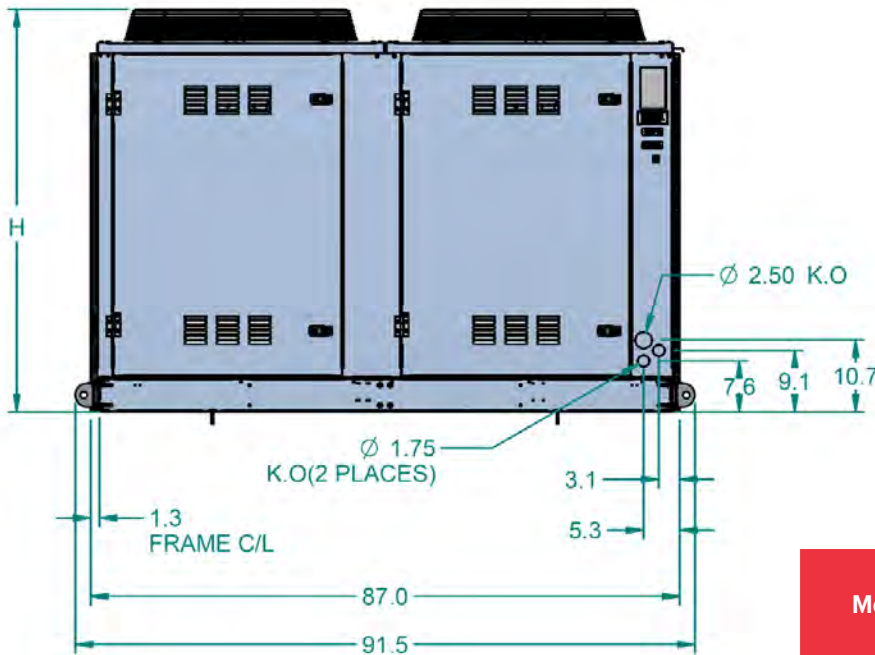


Model	Fan	Dimensions	
		Length (L)	Height (H)
ACV*	2	176.35	59.5
	3	229.4	59.5
	4	282.5	61.5

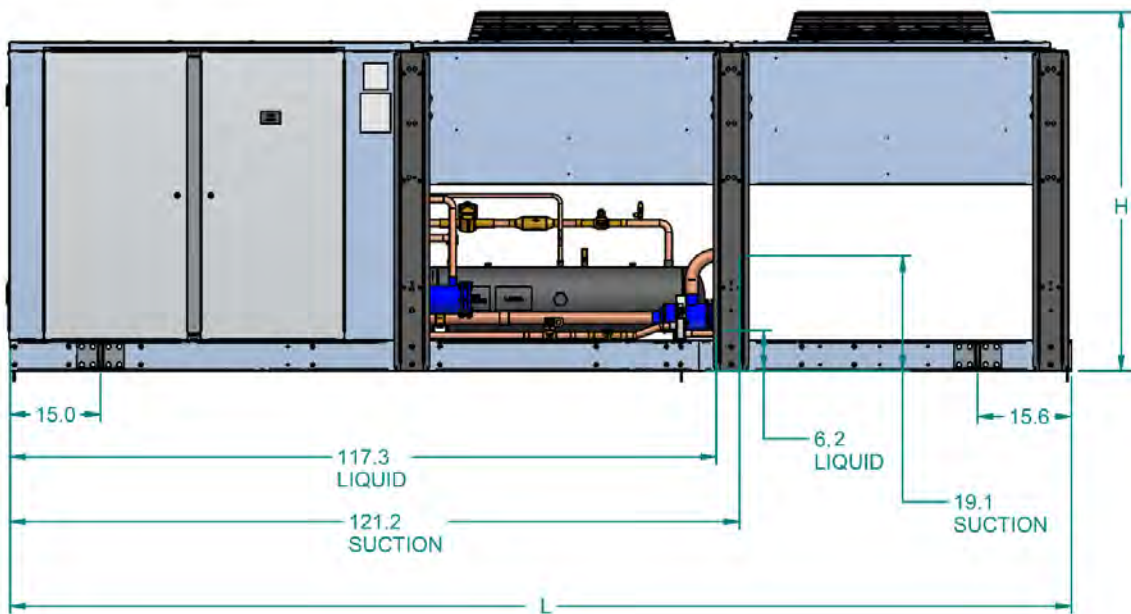


A1 DIMENSIONAL DRAWINGS

12-20 HP SINGLE COMPRESSOR VERTICAL AIR-COOLED CONDENSING UNITS



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



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This image shows a full page of blank, lined paper. It features approximately 20 evenly spaced horizontal grey lines across its entire width, providing a guide for handwriting or typing. The background is a clean, solid white color.

[illegible]



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

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