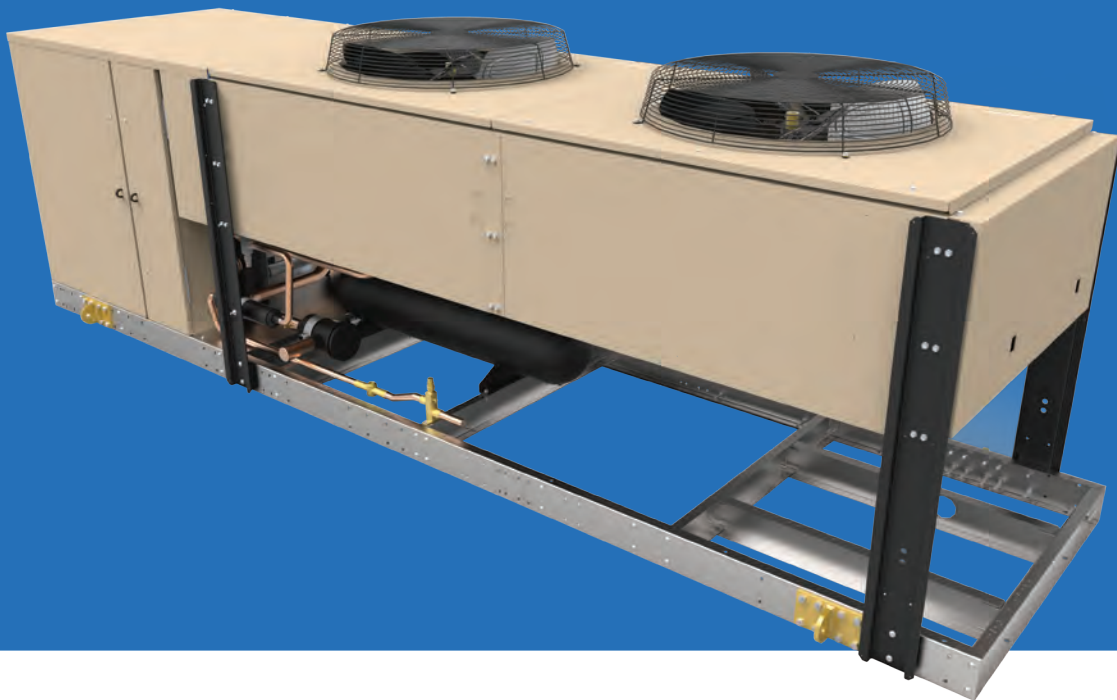


# 12-50 HP VERTICAL AIR-COOLED CONDENSING UNIT

---

Technical Guide  
Now including DOE compliant models



# TABLE OF CONTENTS



<b>3</b>	<b>Features &amp; Benefits</b>
<b>4</b>	<b>Nomenclature</b>
<b>4</b>	<b>Preferred Option Packages</b>
<b>5</b>	<b>Standard Features / Electrical &amp; Mechanical Options</b>
<b>6</b>	<b>Single &amp; Dual Compressors</b>
<b>7</b>	<b>Adjustable Head Pressure Control</b>
<b>8</b>	<b>Discus™ Compressor Models</b>
<b>8</b>	Performance Data
<b>8</b>	Medium Temperature Discus™ Compressor (R-404A/R-507A)
<b>9</b>	Medium Temperature Discus™ Compressor (R-448A/R-449A)
<b>10</b>	Medium Temperature Discus™ Compressor (R-407A/R-407F)
<b>11</b>	Medium Temperature Discus™ Compressor (R-407C)
<b>12</b>	<b>Discus™ Compressor Models</b>
<b>12</b>	Performance Data
<b>12</b>	Low Temperature Discus™ Compressor (R-404A/R-507A)
<b>13</b>	Low Temperature Discus™ Compressor (R-448A/R-449A)
<b>14</b>	Low Temperature Discus™ Compressor (R-407A/R-407F)
<b>15</b>	Low Temperature Discus™ Compressor (R-407C)
<b>16</b>	<b>High Efficiency Models- Discus™ Compressor Models</b>
<b>16</b>	Performance Data
<b>16</b>	Medium Temperature Discus™ Compressor (R-404A/R-507A)
<b>17</b>	Medium Temperature Discus™ Compressor (R-448A/R-449A)
<b>18</b>	Medium Temperature Discus™ Compressor (R-407A/R-407F)
<b>19</b>	Medium Temperature Discus™ Compressor (R-407C)
<b>20</b>	Unit Specifications
	<b>Copeland Compressor Models</b>
<b>22</b>	<b>Electrical Data</b>
<b>21</b>	Medium Temperature Copeland Compressor/208-230V
<b>23</b>	Medium Temperature Copeland Compressor/460V
<b>26</b>	Medium Temperature Copeland Compressor/575V
<b>28</b>	Low Temperature Copeland Compressor/208-230V
<b>30</b>	Low Temperature Copeland Compressor/460V
<b>32</b>	Low Temperature Copeland Compressor/575V
<b>34</b>	Medium Temperature High Efficiency Copeland Compressor/208-230V
<b>36</b>	Medium Temperature High Efficiency Copeland Compressor/460V
<b>38</b>	Medium Temperature High Efficiency Copeland Compressor/575V
<b>40</b>	AWEF Medium Temperature Data
<b>41</b>	AWEF Low Temperature Data
<b>42</b>	<b>Bitzer Compressor Models</b>
<b>42</b>	Performance Data
<b>42</b>	Medium Temperature Bitzer Compressor (R-404A/R-507A)
<b>44</b>	Medium Temperature Bitzer Compressor (R-448A/R-449A)
<b>46</b>	Medium Temperature Bitzer Compressor (R-407A/R-407F)
<b>48</b>	Medium Temperature Bitzer Compressor (R-407C)
<b>50</b>	Low Temperature Bitzer Compressor (R-404A/R-507A)
<b>51</b>	Low Temperature Bitzer Compressor (R-448A/R-449A)
<b>52</b>	Low Temperature Bitzer Compressor (R-407A/R-407F)
<b>53</b>	Low Temperature Bitzer Compressor (R-407C)
<b>54</b>	Unit Specifications
<b>55</b>	Electrical Data
<b>55</b>	Medium Temperature Bitzer Compressor/208-230V
<b>57</b>	Medium Temperature Bitzer Compressor/460V
<b>59</b>	Low Temperature Bitzer Compressor/208-230V
<b>61</b>	Low Temperature Bitzer Compressor/460V
<b>63</b>	AWEF Medium Temperature Data
<b>63</b>	AWEF Low Temperature Data
<b>64</b>	<b>Dimensional Data</b>

# 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

## SERVICEABILITY

- Convenient access panels to easily service internal components
- Large electrical panel to facilitate ease of access
- Manual pumpdown switch on all units
- Lighted e-box with battery back-up
- Hinged venturi fan panels for easy access
- E-box door props

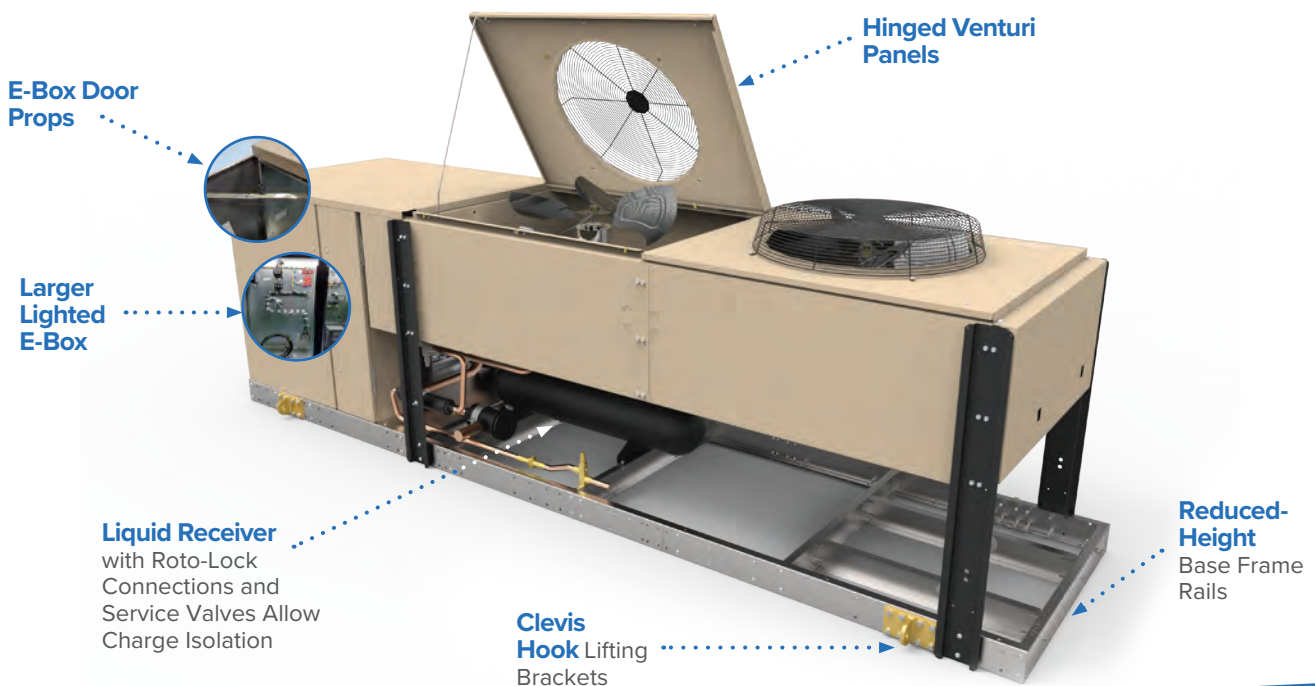
## COMPONENTS

- 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 eliminators
- High efficiency motors
- High pressure switch-auto reset
- Adjustable head pressure control
- Aluminum fin coil
- Sealed liquid line filter drier (lqd. Std.)
- Liquid line sight glass (lqd. Std.)

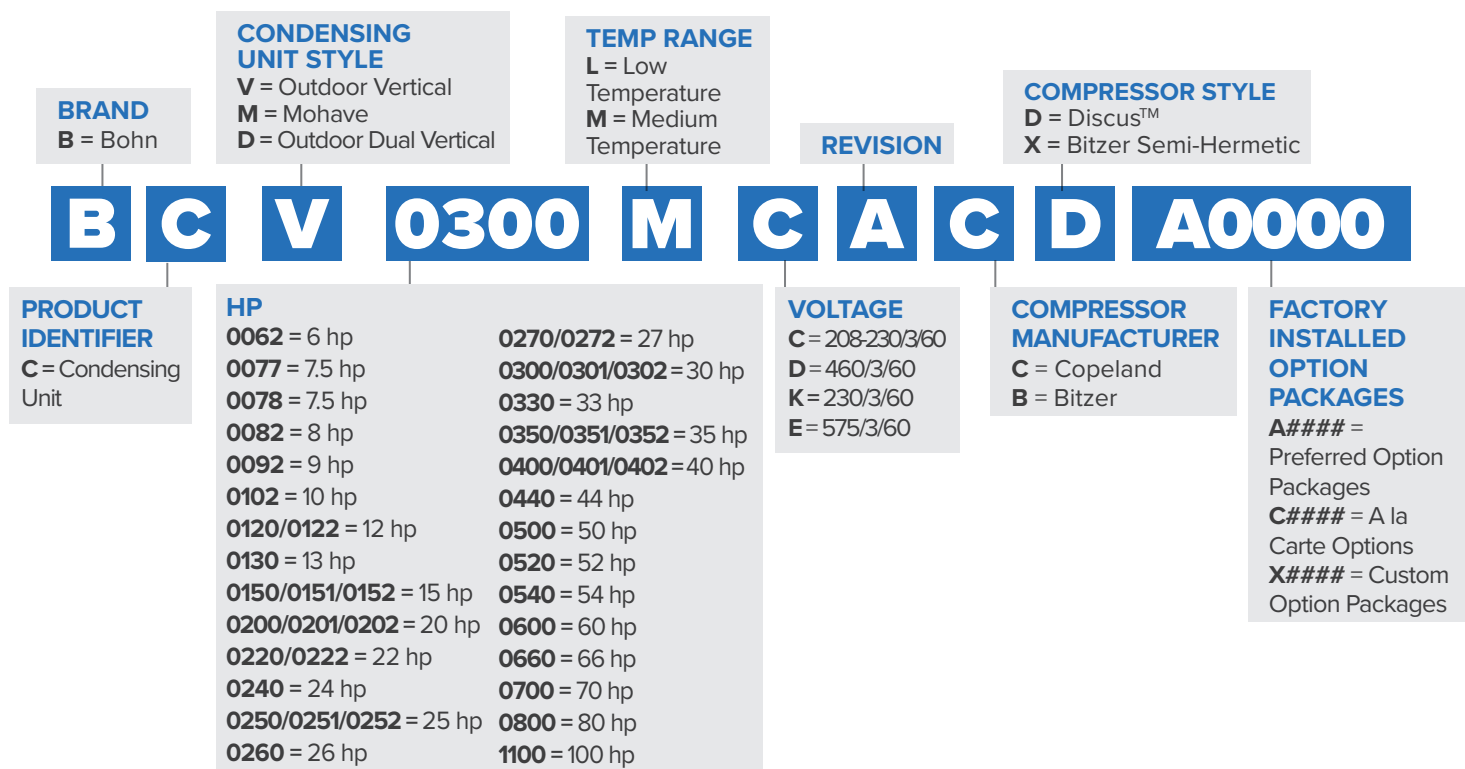
## CABINET AND CONSTRUCTION

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

## OUTSTANDING FEATURES



# NOMENCLATURE



## FACTORY INSTALLED: PREFERRED OPTION PACKAGES

Please see Price Book or The HUB for availability

Option Code	Description (All Preferred Options include Standard Base +)
A0100	Defrost Timer – Air
A1002	Lqd. Std. Replaceable core filter-dryer + Replaceable core Suction line filter + Accumulator
A1003	Replaceable core Suction line-filter + Accumulator
A1004	Pr. Controlled fan cycling + Replaceable core Suction line-filter + Accumulator
A1300	Oil Separator with discharge line check valve
A1400	Phase Loss Motor
A0400	Beacon II™ / intelliGen™

## 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

Low Pressure Switch

## ELECTRICAL OPTIONS

Option	Outdoor
Air or Electric Defrost Timer	Option
intelliGen/Beacon II	Option
Fan Cycling-Temperature	Option
Fan Cycling-Pressure	Option
Fused Disconnect-Air	Option
Non-Fused Disconnect-Air	Option
Compressor Circuit Breaker	Option
Phase Loss Monitor	Option
Anti-short Cycling Timer	Option
Manual Reset High Pressure Switch	Option
Variable Speed EC w/ Title 24 Motor Kit	Option

## MECHANICAL OPTIONS

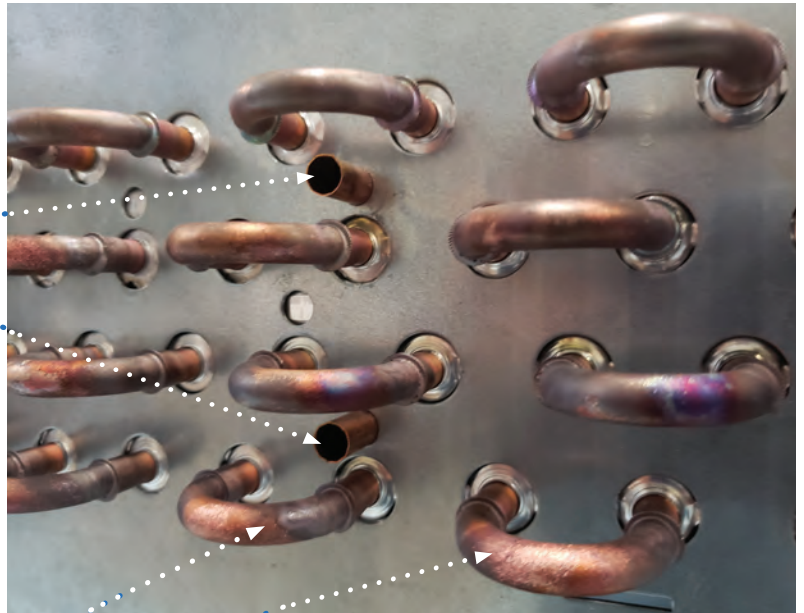
Option	Outdoor
Replacable Core Liquid Line Filter Drier and Sight Glass	Option
Liquid Line Filter Drier, Sight Glass, and Solenoid Valve	Option
Suction Line Filter	Option
Replacable Core Suction Line Filter	Option
Suction Accumulator	Option
Oil Separator with Discharge Line Check Valve	Option
Discharge Muffler	Option
3-Way Heat Reclaim Valve and Check Valve	Option
Compressor Unloading with Pressure Control for 1 Cyl. Bank	Option
Demand Cooling/CIC	Option
Standard Receiver with Low Ambient Kit (heated/insulated receiver & low pressure bypass time delay relay)	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

Bohn'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 discharged pressure during mild ambient conditions. As the ambient temperature falls the receiver pressure is allowed to fall to a minimum of 75° F. saturated condensing pressure. 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.

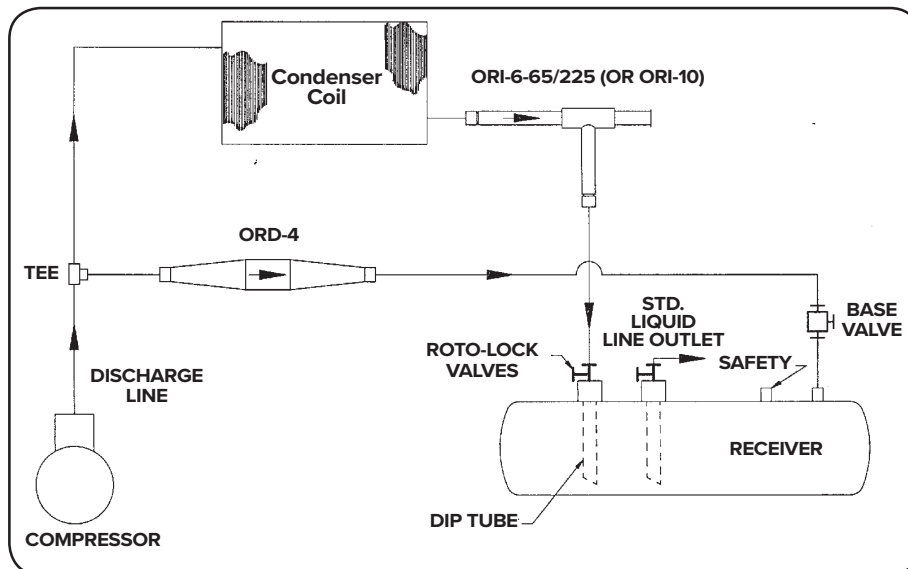
## Operation

As the ambient temperature falls, the system condensing pressure is also reduced. This pressure is maintained by a regulator (ORI-6-65/225) at the condenser drain. At approximately 75°F. saturated condensing pressure 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 predescribed differential, a second valve (ORD-4) 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 ORD-4 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.

## Resource II Piping Schematic



# PERFORMANCE DATA – R-404A/R-507A

## Medium Temperature Models - Discus™ Compressors

Please consult AWEF table on page 40 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
BCV0150M/ACD	3DS3R17ME	206,790	190,420	174,750	159,610	145,190	131,720	118,990	96,110	76,000
BCV0200M/ACD	4DBNR20ME	243,220	226,280	209,050	191,700	174,890	158,790	143,430	115,450	93,420
BCV0250M/ACD	4DHNR22ME	257,540	240,010	222,230	204,270	186,720	169,380	153,050	123,510	100,160
BCV0260M/ACD	4DHNR22ME	261,150	242,830	224,340	205,610	187,700	170,340	153,900	123,840	100,400
BCV0300M/ACD	4DJNR28ME	323,680	298,750	274,590	250,820	228,550	207,320	187,210	150,150	118,310
BCV0350M/ACD	6DHNR35ME	402,010	371,610	342,040	312,990	285,700	260,020	235,730	190,650	-
BCV0400M*ACD	6DJNR40ME	467,000	433,040	399,670	366,690	335,570	305,760	277,530	225,320	-
BCV0500M+ACD	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
BCV0150M/ACD	3DS3R17ME	197,530	181,810	166,790	152,680	139,010	126,270	114,090	92,220	72,900
BCV0200M/ACD	4DBNR20ME	231,700	215,610	199,350	183,190	166,910	151,520	136,830	110,090	89,080
BCV0250M/ACD	4DHNR22ME	245,210	228,060	211,670	194,800	177,650	161,580	146,180	117,960	95,530
BCV0260M/ACD	4DHNR22ME	249,060	231,690	214,110	196,270	179,170	162,620	146,830	118,110	95,760
BCV0300M/ACD	4DJNR28ME	307,720	284,340	261,380	238,930	217,770	197,870	178,450	143,340	113,160
BCV0350M/ACD	6DHNR35ME	382,280	353,730	325,760	298,100	272,590	248,150	225,000	181,840	-
BCV0400M*ACD	6DJNR40ME	444,650	412,680	381,180	349,940	320,450	292,160	265,210	215,280	-
BCV0500M+ACD	6DUNR49ME	519,610	487,660	453,050	417,230	382,740	348,810	316,170	257,630	212,210

R-404A/R-507A		Capacity BTUH @ 100°F Ambient by SST								
New Model	Compressor	40°F	35°F	30°F	25°F	20°F	15°F	10°F	0°F	-10°F
BCV0150M/ACD	3DS3R17ME	187,520	173,380	159,040	145,720	132,740	120,650	109,190	88,350	69,830
BCV0200M/ACD	4DBNR20ME	220,100	205,030	189,690	173,930	158,950	144,510	130,290	104,780	84,760
BCV0250M/ACD	4DHNR22ME	232,180	217,200	201,290	185,370	169,110	153,820	139,160	112,170	91,000
BCV0260M/ACD	4DHNR22ME	236,960	220,570	203,920	186,990	170,730	154,930	139,840	112,440	91,180
BCV0300M/ACD	4DJNR28ME	291,810	269,720	248,200	226,950	207,040	188,160	169,950	136,720	108,090
BCV0350M/ACD	6DHNR35ME	362,380	335,480	309,310	283,320	259,200	236,480	214,120	173,030	-
BCV0400M*ACD	6DJNR40ME	422,050	392,030	362,420	332,950	305,090	278,700	252,740	205,270	-
BCV0500M+ACD	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
BCV0150M/ACD	3DS3R17ME	168,570	155,580	143,620	131,710	120,480	109,600	99,370	80,660	63,760
BCV0200M/ACD	4DBNR20ME	-	-	-	156,480	143,100	130,130	117,310	94,290	76,190
BCV0250M/ACD	4DHNR22ME	-	-	-	166,270	152,050	138,410	125,210	100,900	81,850
BCV0260M/ACD	4DHNR22ME	-	-	183,560	168,480	153,910	139,860	126,120	101,400	82,070
BCV0300M/ACD	4DJNR28ME	-	240,480	221,060	202,990	185,720	168,830	152,440	123,370	98,170
BCV0350M/ACD	6DHNR35ME	-	-	274,820	253,100	231,890	211,780	192,010	155,460	-
BCV0400M*ACD	6DJNR40ME	-	-	323,760	297,900	273,490	250,160	227,250	185,080	-
BCV0500M+ACD	6DUNR49ME	437,350	411,820	383,160	353,480	325,130	297,000	270,090	219,680	181,370

### Notes:

^ 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

A0400 Option code at the end of the model # is IntelliGen™/ Beacon II™

For 50 cycle capacity, multiply values by .86



# PERFORMANCE DATA – R-448A/R-449A

## Medium Temperature Models - Discus™ Compressors

Please consult AWEF table on page 40 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
BCV0150M/ACD	3DS3R17ME	204,530	186,980	170,060	153,680	138,060	123,460	109,680	85,020	64,180
BCV0200M/ACD	4DBNR20ME	251,140	229,210	208,210	188,330	169,790	152,330	136,030	106,870	81,770
BCV0250M/ACD	4DHNR22ME	270,680	247,660	225,480	204,360	184,420	165,910	148,340	116,750	89,380
BCV0260M/ACD	4DHNR22ME	272,560	248,950	226,350	204,940	184,800	166,170	148,530	116,930	89,580
BCV0300M/ACD	4DJNR28ME	324,730	298,320	272,420	247,420	223,560	200,490	178,370	137,580	101,140
BCV0350M/ACD	6DHNR35ME	397,910	367,050	336,180	305,710	276,250	247,830	220,770	172,140	132,610
BCV0400M*ACD	6DJNR40ME	473,990	436,910	399,920	363,530	328,250	294,250	261,970	204,270	157,940
BCV0500M+ACD	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
BCV0150M/ACD	3DS3R17ME	197,220	180,440	164,230	148,490	133,440	119,290	105,870	81,750	61,070
BCV0200M/ACD	4DBNR20ME	241,820	220,780	200,610	181,480	163,630	146,770	130,940	102,850	78,540
BCV0250M/ACD	4DHNR22ME	260,900	238,330	217,070	196,790	177,590	159,790	142,840	112,390	85,850
BCV0260M/ACD	4DHNR22ME	262,510	239,840	218,100	197,480	178,090	160,100	143,060	112,490	86,030
BCV0300M/ACD	4DJNR28ME	312,320	286,930	262,110	238,050	215,110	192,850	171,490	132,170	96,870
BCV0350M/ACD	6DHNR35ME	385,120	355,560	325,850	296,760	268,070	240,480	214,050	166,570	127,560
BCV0400M*ACD	6DJNR40ME	458,580	423,160	387,650	352,550	318,470	285,530	254,040	197,810	152,210
BCV0500M+ACD	6DUNR49ME	542,800	501,890	460,630	419,600	378,970	340,050	302,650	234,550	177,260

R-448A/R-449A		Capacity BTUH @ 100°F Ambient by SST								
New Model	Compressor	40°F	35°F	30°F	25°F	20°F	15°F	10°F	0°F	-10°F
BCV0150M/ACD	3DS3R17ME	189,920	174,110	158,410	143,290	128,760	115,060	102,050	78,410	57,900
BCV0200M/ACD	4DBNR20ME	232,420	212,300	192,940	174,580	157,260	141,010	125,840	98,730	75,210
BCV0250M/ACD	4DHNR22ME	250,530	228,960	208,600	189,160	170,690	153,400	137,150	107,740	82,160
BCV0260M/ACD	4DHNR22ME	252,850	230,640	209,760	189,960	171,280	153,960	137,510	107,970	82,360
BCV0300M/ACD	4DJNR28ME	299,600	275,240	251,450	228,390	206,360	184,910	164,470	126,500	92,440
BCV0350M/ACD	6DHNR35ME	372,070	343,850	315,460	287,470	259,750	233,000	207,300	160,830	122,360
BCV0400M*ACD	6DJNR40ME	443,080	409,190	375,160	341,410	308,570	276,680	246,120	191,210	146,320
BCV0500M+ACD	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
BCV0150M/ACD	3DS3R17ME	-	161,130	146,760	132,880	119,480	106,640	94,350	71,650	51,430
BCV0200M/ACD	4DBNR20ME	-	-	-	160,430	144,660	129,670	115,620	90,260	68,300
BCV0250M/ACD	4DHNR22ME	-	-	-	-	156,590	140,830	125,730	98,390	74,520
BCV0260M/ACD	4DHNR22ME	-	-	-	174,710	157,480	141,450	126,130	98,770	74,780
BCV0300M/ACD	4DJNR28ME	-	-	229,410	208,320	188,110	168,220	149,490	114,650	83,260
BCV0350M/ACD	6DHNR35ME	-	-	-	268,110	242,560	217,510	193,280	148,860	111,430
BCV0400M*ACD	6DJNR40ME	-	-	-	-	288,230	258,450	229,740	177,480	134,000
BCV0500M+ACD	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

A0400 Option code at the end of the model # is IntelliGen™/ Beacon II™

For 50 cycle capacity, multiply values by .86

# PERFORMANCE DATA – R-407A/R-407F

## Medium Temperature Models - Discus™ Compressors

Please consult AWEF table on page 40 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
BCV0150M/ACD	3DS3R17ME	208,650	190,750	173,400	156,480	140,400	125,330	111,100	86,120	65,860
BCV0200M/ACD	4DBNR20ME	253,250	231,330	210,380	190,560	171,910	154,720	138,490	109,420	84,130
BCV0250M/ACD	4DHNR22ME	272,580	248,930	226,940	206,010	186,220	167,790	150,620	119,330	91,890
BCV0260M/ACD	4DHNR22ME	275,910	251,740	228,630	207,180	187,110	168,600	151,020	119,510	92,050
BCV0300M/ACD	4DJNR28ME	329,310	301,700	275,470	250,270	226,160	203,410	181,400	141,370	105,900
BCV0350M/ACD	6DHNR35ME	403,010	371,680	340,500	309,910	280,160	251,940	224,930	176,350	136,510
BCV0400M*ACD	6DJNR40ME	479,900	442,000	404,750	368,170	332,960	298,970	266,720	209,090	162,460
BCV0500M+ACD	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
BCV0150M/ACD	3DS3R17ME	200,500	183,350	166,850	150,630	135,080	120,590	106,870	82,580	62,630
BCV0200M/ACD	4DBNR20ME	243,150	222,190	202,100	183,020	165,160	148,620	132,970	104,990	80,610
BCV0250M/ACD	4DHNR22ME	261,580	238,910	217,860	197,800	178,790	161,080	144,580	114,480	87,920
BCV0260M/ACD	4DHNR22ME	265,080	241,870	219,660	199,070	179,770	161,960	145,030	114,660	88,180
BCV0300M/ACD	4DJNR28ME	315,650	289,170	264,170	240,060	217,280	195,230	174,220	135,940	102,190
BCV0350M/ACD	6DHNR35ME	388,820	358,880	328,980	299,520	271,170	243,710	217,510	170,120	130,960
BCV0400M*ACD	6DJNR40ME	463,420	426,580	390,930	355,850	321,980	289,190	257,970	201,880	156,100
BCV0500M+ACD	6DUNR49ME	559,600	516,760	473,400	431,250	389,590	350,290	312,190	242,700	184,220

R-407A/R-407F		Capacity BTUH @ 100°F Ambient by SST								
New Model	Compressor	40°F	35°F	30°F	25°F	20°F	15°F	10°F	0°F	-10°F
BCV0150M/ACD	3DS3R17ME	192,390	176,090	160,330	144,820	129,900	115,920	102,660	79,030	59,390
BCV0200M/ACD	4DBNR20ME	233,540	213,010	193,780	175,490	158,350	142,480	127,290	100,470	76,990
BCV0250M/ACD	4DHNR22ME	-	229,340	208,720	189,530	171,330	154,330	138,470	109,430	84,000
BCV0260M/ACD	4DHNR22ME	253,990	231,510	210,680	190,930	172,380	155,260	138,970	109,720	84,230
BCV0300M/ACD	4DJNR28ME	301,750	276,480	252,660	229,680	207,960	186,910	166,850	130,520	98,570
BCV0350M/ACD	6DHNR35ME	374,470	345,920	317,240	289,160	261,890	235,370	209,860	163,800	125,260
BCV0400M*ACD	6DJNR40ME	445,080	411,160	377,050	343,460	310,920	279,300	248,920	194,550	149,610
BCV0500M+ACD	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
BCV0150M/ACD	3DS3R17ME	-	161,720	147,420	133,300	119,670	106,670	94,310	71,960	52,940
BCV0200M/ACD	4DBNR20ME	-	-	-	160,350	144,870	130,070	116,270	91,280	69,550
BCV0250M/ACD	4DHNR22ME	-	-	-	-	156,270	140,690	126,110	99,310	75,790
BCV0260M/ACD	4DHNR22ME	-	-	-	174,500	157,480	141,730	126,620	99,780	76,070
BCV0300M/ACD	4DJNR28ME	-	-	-	208,580	189,030	170,050	152,140	119,760	91,540
BCV0350M/ACD	6DHNR35ME	-	-	-	268,040	242,940	218,270	194,430	150,740	113,410
BCV0400M*ACD	6DJNR40ME	-	-	-	318,310	288,440	259,160	230,920	179,470	136,230
BCV0500M+ACD	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

A0400 Option code at the end of the model # is IntelliGen™/ Beacon II™

For 50 cycle capacity, multiply values by .86

# PERFORMANCE DATA – R-407C

## Medium Temperature Models - Discus™ Compressors

Please consult AWEF table on page 40 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
BCV0150M/ACD	3DS3R17ME	185,130	168,750	153,040	137,990	123,830	110,560	98,270	76,230	57,660
BCV0200M/ACD	4DBNR20ME	225,570	204,890	185,010	166,530	149,010	132,310	115,950	83,870	50,950
BCV0250M/ACD	4DHNR22ME	-	-	204,330	184,520	165,930	148,390	131,990	102,570	78,440
BCV0260M/ACD	4DHNR22ME	-	-	206,040	185,920	166,650	148,840	132,200	102,760	78,660
BCV0300M/ACD	4DJNR28ME	-	-	245,160	221,360	199,060	178,330	158,840	123,840	92,370
BCV0350M/ACD	6DHNR35ME	363,520	328,300	296,160	266,870	240,190	215,500	192,640	149,800	106,690
BCV0400M*ACD	6DJNR40ME	451,090	400,410	357,530	318,170	285,310	256,920	231,400	184,030	130,230
BCV0500M+ACD	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
BCV0150M/ACD	3DS3R17ME	179,140	163,370	148,260	133,710	120,040	107,070	95,020	73,240	54,530
BCV0200M/ACD	4DBNR20ME	216,750	196,780	177,710	159,910	143,020	126,980	111,220	80,700	49,350
BCV0250M/ACD	4DHNR22ME	-	-	195,770	177,080	159,520	142,830	127,100	98,640	74,680
BCV0260M/ACD	4DHNR22ME	-	-	197,380	178,130	160,180	143,240	127,270	98,840	74,920
BCV0300M/ACD	4DJNR28ME	-	-	235,290	212,970	191,910	172,300	153,720	119,840	88,520
BCV0350M/ACD	6DHNR35ME	349,430	315,810	285,360	257,400	231,860	207,950	185,820	143,980	100,930
BCV0400M*ACD	6DJNR40ME	424,640	376,750	336,680	299,960	269,680	243,310	220,340	178,070	128,840
BCV0500M+ACD	6DUNR49ME	494,810	443,860	397,470	353,040	314,400	279,570	249,430	204,550	179,650

R-407C		Capacity BTUH @ 100°F Ambient by SST								
New Model	Compressor	40°F	35°F	30°F	25°F	20°F	15°F	10°F	0°F	-10°F
BCV0150M/ACD	3DS3R17ME	173,210	158,060	143,490	129,330	116,010	103,490	91,630	69,990	51,130
BCV0200M/ACD	4DBNR20ME	208,070	188,860	170,520	153,440	137,250	121,840	106,840	77,760	48,020
BCV0250M/ACD	4DHNR22ME	-	-	187,540	169,970	153,350	137,550	122,380	94,820	70,970
BCV0260M/ACD	4DHNR22ME	-	-	189,030	170,940	153,960	137,960	122,630	95,000	71,210
BCV0300M/ACD	4DJNR28ME	-	-	225,850	204,890	185,250	166,480	148,830	116,000	84,790
BCV0350M/ACD	6DHNR35ME	335,140	303,280	274,340	247,680	223,240	200,290	178,790	137,800	94,880
BCV0400M*ACD	6DJNR40ME	397,640	352,460	315,380	281,450	254,330	230,110	209,750	173,050	129,430
BCV0500M+ACD	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
BCV0150M/ACD	3DS3R17ME	161,490	147,340	133,750	120,580	107,810	95,810	84,290	-	43,510
BCV0200M/ACD	4DBNR20ME	-	-	156,590	141,010	126,380	112,360	98,750	72,650	46,220
BCV0250M/ACD	4DHNR22ME	-	-	-	156,740	141,930	127,690	113,700	87,720	-
BCV0260M/ACD	4DHNR22ME	-	-	173,520	157,590	142,420	127,920	113,840	87,760	64,160
BCV0300M/ACD	4DJNR28ME	-	-	208,120	189,830	172,490	155,850	139,750	108,830	77,840
BCV0350M/ACD	6DHNR35ME	-	-	251,700	227,840	205,190	184,160	163,930	124,420	82,090
BCV0400M*ACD	6DJNR40ME	-	303,390	271,870	244,020	221,930	204,180	189,870	166,420	136,940
BCV0500M+ACD	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

A0400 Option code at the end of the model # is IntelliGen™/ Beacon II™

For 50 cycle capacity, multiply values by .86

# PERFORMANCE DATA – R-404A/R-507A

## Low Temperature Models - Discus™ Compressors

Please consult AWEF table on page 40 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
BCV0120L/ACD	4DBNF54KE	106,300	95,100	84,860	75,450	66,720	58,580	50,910	43,480	36,180
BCV0150L/ACD	4DHNF63KE	124,270	111,680	100,090	89,270	79,270	69,830	60,930	52,360	43,990
BCV0220L/ACD	4DJNF76KE	144,780	131,490	118,660	106,370	94,590	83,420	72,720	62,380	52,420
BCV0270L/ACD	6DHNF93KE	177,910	161,710	145,650	130,010	114,670	100,170	86,680	74,090	62,740
BCV0300L/ACD	6DJNF11ME	195,900	178,260	160,860	144,220	127,990	112,640	98,030	84,510	71,890
BCV0400L+ACD	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
BCV0120L/ACD	4DBNF54KE	101,920	91,220	81,440	72,330	63,870	55,920	48,380	40,990	33,700
BCV0150L/ACD	4DHNF63KE	118,930	106,840	95,650	85,260	75,510	66,350	57,710	49,370	41,180
BCV0220L/ACD	4DJNF76KE	138,630	125,760	113,480	101,550	90,160	79,340	68,920	58,840	49,010
BCV0270L/ACD	6DHNF93KE	169,860	154,400	139,090	124,080	109,210	95,200	82,100	69,810	58,610
BCV0300L/ACD	6DJNF11ME	186,500	169,700	153,380	137,520	121,940	107,050	93,020	79,890	67,540
BCV0400L+ACD	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
BCV0120L/ACD	4DBNF54KE	97,490	87,280	77,920	69,150	60,940	53,180	45,720	38,410	31,120
BCV0150L/ACD	4DHNF63KE	113,810	102,150	91,390	81,350	71,930	63,050	54,650	46,540	38,580
BCV0220L/ACD	4DJNF76KE	132,400	120,110	108,350	96,780	85,840	75,250	65,090	55,230	45,560
BCV0270L/ACD	6DHNF93KE	161,630	147,040	132,430	118,040	103,960	90,180	77,460	65,520	54,510
BCV0300L/ACD	6DJNF11ME	-	161,270	145,850	130,730	115,760	101,540	88,070	75,260	63,170
BCV0400L+ACD	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
BCV0120L/ACD	4DBNF54KE	88,330	79,190	70,600	62,470	54,750	47,300	40,070	32,880	25,690
BCV0150L/ACD	4DHNF63KE	103,700	93,140	83,330	74,020	65,260	56,980	49,090	41,430	33,910
BCV0220L/ACD	4DJNF76KE	-	-	-	87,410	77,100	67,080	57,300	47,780	38,420
BCV0270L/ACD	6DHNF93KE	-	-	-	-	-	80,180	68,200	56,760	46,260
BCV0300L/ACD	6DJNF11ME	-	-	-	-	-	90,520	78,080	65,910	54,380
BCV0400L+ACD	6DUNF13ME	219,320	194,970	173,380	153,630	135,640	-	-	-	-

### Notes:

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

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

A0400 Option code at the end of the model # is IntelliGen™/ Beacon II™

For 50 cycle capacity, multiply values by .86

# PERFORMANCE DATA – R-448A/R-449A

## Low Temperature Models - Discus™ Compressors

Please consult AWEF table on page 40 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
BCV0120L/ACD	4DBNF54KE	99,210	87,570	76,690	66,450	57,000	48,370	40,600	33,730	27,770
BCV0150L/ACD	4DHNF63KE	112,790	100,320	88,580	77,550	67,400	58,090	49,790	42,490	36,250
BCV0220L/ACD	4DJNF76KE	140,060	123,030	107,930	94,170	81,880	70,520	59,890	49,500	39,160
BCV0270L/ACD	6DHNF93KE	162,520	143,510	125,720	109,300	94,300	80,570	68,190	56,650	45,960
BCV0300L/ACD	6DJNF11ME	195,370	172,770	151,880	132,310	114,160	97,680	82,500	68,200	54,720
BCV0400L+ACD	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
BCV0120L/ACD	4DBNF54KE	95,220	83,940	73,400	63,450	54,230	45,810	38,190	31,430	25,590
BCV0150L/ACD	4DHNF63KE	108,290	96,300	84,950	74,300	64,410	55,370	47,300	40,150	34,080
BCV0220L/ACD	4DJNF76KE	134,610	117,920	103,200	89,820	77,800	66,660	56,210	45,960	35,760
BCV0270L/ACD	6DHNF93KE	155,740	137,340	120,030	103,960	89,380	76,070	63,830	52,480	41,860
BCV0300L/ACD	6DJNF11ME	186,740	164,900	144,820	125,760	108,250	91,850	77,000	62,930	49,600
BCV0400L+ACD	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
BCV0120L/ACD	4DBNF54KE	91,100	80,250	69,960	60,290	51,320	43,060	35,640	29,000	23,250
BCV0150L/ACD	4DHNF63KE	103,790	92,200	81,290	70,940	61,350	52,570	44,730	37,770	31,830
BCV0220L/ACD	4DJNF76KE	129,120	112,880	98,500	85,410	73,660	62,730	52,460	42,370	32,290
BCV0270L/ACD	6DHNF93KE	148,660	130,680	114,100	98,640	84,200	71,220	59,200	47,980	37,420
BCV0300L/ACD	6DJNF11ME	-	156,890	137,410	118,860	101,630	85,890	71,200	57,330	44,010
BCV0400L+ACD	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
BCV0120L/ACD	4DBNF54KE	82,590	72,380	62,730	53,620	45,080	37,260	30,170	23,830	18,180
BCV0150L/ACD	4DHNF63KE	94,670	83,890	73,730	64,070	55,070	46,830	39,390	32,820	27,210
BCV0220L/ACD	4DJNF76KE	117,980	102,630	88,990	76,620	65,270	54,760	44,750	35,000	25,300
BCV0270L/ACD	6DHNF93KE	133,840	117,030	101,420	86,650	73,230	60,730	49,100	38,100	-
BCV0300L/ACD	6DJNF11ME	-	-	-	-	87,720	72,830	58,690	45,060	-
BCV0400L+ACD	6DUNF13ME	203,950	180,110	156,750	133,910	112,500	92,330	-	-	-

**Notes:**

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

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

A0400 Option code at the end of the model # is IntelliGen™/ Beacon II™

For 50 cycle capacity, multiply values by .86

# PERFORMANCE DATA – R-407A/R-407F

## Low Temperature Models - Discus™ Compressors

Please consult AWEF table on page 40 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
BCV0120LAACD	4DBNF54KE	101,740	90,080	78,970	68,490	58,660	49,560	41,230	33,590	26,770
BCV0150LAACD	4DHNF63KE	115,400	102,880	91,040	79,770	69,270	59,420	50,380	42,080	34,600
BCV0220LAACD	4DJNF76KE	144,100	126,890	111,030	96,340	83,100	71,520	61,430	52,920	46,080
BCV0270LAACD	6DHNF93KE	164,120	145,580	128,030	111,570	96,390	82,130	68,840	56,020	43,590
BCV0300LAACD	6DJNF11ME	197,390	175,220	154,470	135,120	116,850	99,500	83,380	67,870	52,770
BCV0400L+ACD	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
BCV0120LAACD	4DBNF54KE	97,420	86,010	75,370	65,210	55,680	46,840	38,690	31,270	24,600
BCV0150LAACD	4DHNF63KE	110,530	98,460	87,030	76,190	66,040	56,530	47,740	39,680	32,370
BCV0220LAACD	4DJNF76KE	137,900	121,200	105,750	91,590	79,020	67,870	58,310	50,340	44,080
BCV0270LAACD	6DHNF93KE	156,820	138,710	121,940	106,140	91,170	77,380	64,310	51,760	39,490
BCV0300LAACD	6DJNF11ME	188,340	166,940	146,880	128,130	110,350	93,360	77,760	62,570	47,680
BCV0400L+ACD	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
BCV0120LAACD	4DBNF54KE	92,820	81,920	71,650	61,820	52,580	43,990	36,050	28,810	22,320
BCV0150LAACD	4DHNF63KE	105,520	93,950	83,000	72,620	62,760	53,530	45,030	37,210	30,080
BCV0220LAACD	4DJNF76KE	131,580	115,390	100,390	86,820	74,770	64,120	55,090	47,670	41,960
BCV0270LAACD	6DHNF93KE	149,300	131,820	115,610	100,200	85,660	72,270	59,520	47,230	35,160
BCV0300LAACD	6DJNF11ME	-	158,290	138,990	120,820	103,290	87,020	71,840	56,960	42,330
BCV0400L+ACD	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
BCV0120LAACD	4DBNF54KE	83,500	73,490	63,850	54,670	46,010	37,870	30,410	23,580	17,380
BCV0150LAACD	4DHNF63KE	95,560	84,970	74,910	65,200	56,030	47,420	39,440	32,040	25,330
BCV0220LAACD	4DJNF76KE	118,630	103,500	89,580	77,130	65,990	56,360	48,370	42,000	37,330
BCV0270LAACD	6DHNF93KE	133,640	117,400	102,180	87,590	74,160	61,340	49,030	37,230	25,680
BCV0300LAACD	6DJNF11ME	-	-	-	-	88,860	73,670	59,040	44,620	30,680
BCV0400L+ACD	6DUNF13ME	209,870	185,400	161,630	138,370	116,130	94,920	-	-	-

### Notes:

DEMAND COOLING IS REQUIRED FOR ALL APPLICATIONS

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

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

A0400 Option code at the end of the model # is IntelliGen™/ Beacon II™

For 50 cycle capacity, multiply values by .86

# PERFORMANCE DATA – R-407C

## Low Temperature Models - Discus™ Compressors

Please consult AWEF table on page 40 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
BCV0120L/ACD	4DBNF54KE	87,960	76,620	66,280	56,800	48,240	40,560	33,610	27,390	21,780
BCV0150L/ACD	4DHNF63KE	100,100	87,800	76,580	66,350	57,050	48,680	41,180	34,350	28,110
BCV0220L/ACD	4DJNF76KE	116,440	101,460	88,320	76,810	66,620	57,530	49,230	41,400	33,750
BCV0270L/ACD	6DHNF93KE	143,780	127,240	111,070	95,550	81,070	67,660	55,440	44,860	35,770
BCV0300L/ACD	6DJNF11ME	168,840	149,230	130,530	112,590	95,690	80,360	66,370	53,970	43,410
BCV0400L+ACD	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
BCV0120L/ACD	4DBNF54KE	84,600	73,530	63,440	54,160	45,790	38,270	31,460	25,370	19,830
BCV0150L/ACD	4DHNF63KE	96,300	84,330	73,400	63,430	54,350	46,190	38,880	32,180	26,130
BCV0220L/ACD	4DJNF76KE	112,470	97,900	85,230	74,010	64,090	55,190	47,090	39,390	31,850
BCV0270L/ACD	6DHNF93KE	138,380	122,260	106,300	91,140	76,910	63,560	51,620	40,920	31,840
BCV0300L/ACD	6DJNF11ME	162,240	143,320	124,870	107,310	90,720	75,720	61,900	49,730	39,060
BCV0400L+ACD	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
BCV0120L/ACD	4DBNF54KE	81,110	70,320	60,410	51,390	43,240	35,870	29,180	23,180	17,780
BCV0150L/ACD	4DHNF63KE	92,400	80,770	70,120	60,360	51,550	43,590	36,470	29,930	24,020
BCV0220L/ACD	4DJNF76KE	108,210	94,140	81,900	71,030	61,400	52,700	44,780	37,250	29,750
BCV0270L/ACD	6DHNF93KE	132,930	117,150	101,560	86,580	72,620	59,390	47,600	36,970	27,810
BCV0300L/ACD	6DJNF11ME	155,540	136,890	119,080	101,830	85,790	70,940	57,270	45,260	34,710
BCV0400L+ACD	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
BCV0120L/ACD	4DBNF54KE	73,680	63,370	53,990	45,390	37,670	30,570	24,210	18,470	13,240
BCV0150L/ACD	4DHNF63KE	84,390	73,320	63,240	53,980	45,620	38,120	31,300	25,090	19,420
BCV0220L/ACD	4DJNF76KE	98,720	85,680	74,350	64,190	55,050	46,830	39,300	32,020	24,750
BCV0270L/ACD	6DHNF93KE	121,860	106,780	91,790	77,460	63,620	50,890	39,160	28,580	19,400
BCV0300L/ACD	6DJNF11ME	-	-	-	-	75,420	60,820	47,770	35,850	25,270
BCV0400L+ACD	6DUNF13ME	188,010	167,150	146,000	124,850	-	-	-	-	-

**Notes:**

DEMAND COOLING IS REQUIRED FOR ALL APPLICATIONS

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

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

A0400 Option code at the end of the model # is IntelliGen™/ Beacon II™

For 50 cycle capacity, multiply values by .86

# PERFORMANCE DATA – R-404A/R-507A

Medium Temperature High Efficiency Models - Discus™ Compressors

Please consult AWEF table on page 40 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
BCV0151M*ACD	3DS3R17ME	201,510	185,890	170,550	156,200	142,480	129,660	117,350	95,000	75,360
BCV0201M*ACD	4DBNR20ME	258,520	239,250	220,190	200,920	182,480	164,710	148,120	118,500	95,300
BCV0251M*ACD	4DHNR22ME	272,900	252,770	233,050	213,410	194,470	175,730	158,260	126,970	102,360
BCV0301M*ACD	4DJNR28ME	351,690	322,700	294,280	267,380	241,860	218,170	195,790	155,630	121,340
BCV0351M*ACD	6DHNR35ME	431,100	396,440	362,720	330,810	299,820	271,580	244,520	196,490	-
BCV0401M*ACD	6DJNR40ME	515,850	473,980	433,590	394,930	358,500	324,480	292,370	235,120	-

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
BCV0151M*ACD	3DS3R17ME	192,030	177,340	162,930	149,330	136,380	124,120	112,480	91,130	72,280
BCV0201M*ACD	4DBNR20ME	247,090	228,620	210,290	191,820	174,250	157,420	141,370	113,030	90,880
BCV0251M*ACD	4DHNR22ME	260,400	241,330	222,480	203,850	185,720	167,930	151,060	121,140	97,670
BCV0301M*ACD	4DJNR28ME	336,170	308,060	281,160	255,240	231,070	208,300	186,930	148,620	116,030
BCV0351M*ACD	6DHNR35ME	410,830	377,980	346,020	315,890	286,570	259,330	233,730	187,620	-
BCV0401M*ACD	6DJNR40ME	493,910	453,620	415,230	378,350	343,660	310,770	280,040	224,930	-

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
BCV0151M*ACD	3DS3R17ME	182,530	168,420	155,210	142,470	130,160	118,500	107,560	87,340	69,230
BCV0201M*ACD	4DBNR20ME	235,650	218,010	200,630	183,190	166,180	149,940	134,790	107,670	86,520
BCV0251M*ACD	4DHNR22ME	247,430	229,740	212,070	194,630	177,030	160,180	143,960	115,390	93,040
BCV0301M*ACD	4DJNR28ME	320,000	293,020	267,590	243,330	220,150	198,490	178,140	141,730	110,840
BCV0351M*ACD	6DHNR35ME	389,940	359,130	329,080	300,610	273,100	247,190	222,730	178,740	-
BCV0401M*ACD	6DJNR40ME	471,270	433,630	396,730	361,850	328,200	297,110	267,650	214,880	-

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
BCV0151M*ACD	3DS3R17ME	-	151,230	139,790	128,750	117,920	107,670	97,770	79,670	63,170
BCV0201M*ACD	4DBNR20ME	212,790	197,370	181,330	165,580	150,290	135,790	121,840	97,120	77,930
BCV0251M*ACD	4DHNR22ME	-	207,090	191,290	175,640	159,890	144,550	129,960	104,120	83,840
BCV0301M*ACD	4DJNR28ME	286,800	263,510	240,490	219,040	198,390	179,000	160,770	128,190	100,700
BCV0351M*ACD	6DHNR35ME	348,230	320,840	294,970	269,850	245,220	222,300	200,700	160,930	-
BCV00401M*ACD	6DJNR40ME	424,960	391,430	358,580	327,540	297,550	269,240	242,610	194,680	-

**Notes:**

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

\* K = 230/3/60

A0400 Option code at the end of the model # is IntelliGen™/ Beacon II™

For 50 cycle capacity, multiply values by .86



# PERFORMANCE DATA – R-448A/R-449A

## Medium Temperature High Efficiency Models - Discus™ Compressors

Please consult AWEF table on page 40 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
BCV0151MAACD	3DS3R17ME	200,380	183,660	167,340	151,700	136,570	122,190	108,800	84,340	63,640
BCV0201MAACD	4DBNR20ME	261,680	237,690	214,810	193,300	173,700	155,350	138,480	108,480	82,800
BCV0251MAACD	4DHNR22ME	282,570	257,200	232,980	210,470	189,200	169,450	151,200	118,580	90,600
BCV0301MAACD	4DJNR28ME	342,860	313,030	284,340	256,990	231,000	206,450	183,280	140,690	103,000
BCV0351MAACD	6DHNR35ME	415,340	380,950	346,970	314,020	282,370	252,380	224,150	174,210	134,220
BCV0401M*ACD	6DJNR40ME	501,950	458,830	417,010	376,460	337,810	301,440	267,460	207,780	160,720

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
BCV0151MAACD	3DS3R17ME	193,140	177,170	161,540	146,520	131,920	118,030	104,940	81,080	60,520
BCV0201MAACD	4DBNR20ME	252,650	229,260	207,360	186,700	167,590	149,910	133,510	104,560	79,650
BCV0251MAACD	4DHNR22ME	272,420	247,950	224,780	203,040	182,520	163,450	145,770	114,270	87,090
BCV0301MAACD	4DJNR28ME	331,390	302,510	274,780	248,180	222,970	199,230	176,680	135,380	98,770
BCV0351MAACD	6DHNR35ME	402,580	369,530	336,780	304,970	274,240	245,150	217,670	168,740	129,270
BCV0401M*ACD	6DJNR40ME	486,850	445,420	405,010	365,720	328,250	292,930	259,800	201,510	155,150

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
BCV0151MAACD	3DS3R17ME	185,940	170,680	155,740	141,310	127,260	113,840	101,100	77,740	57,340
BCV0201MAACD	4DBNR20ME	243,730	221,190	199,910	180,050	161,440	144,380	128,640	100,550	76,410
BCV0251MAACD	4DHNR22ME	262,130	238,780	216,470	195,550	175,750	157,350	140,260	109,790	83,470
BCV0301MAACD	4DJNR28ME	319,430	291,350	264,830	238,970	214,580	191,690	169,870	129,880	94,450
BCV0351MAACD	6DHNR35ME	389,720	358,010	326,510	295,800	266,140	237,820	211,040	163,130	124,160
BCV0401M*ACD	6DJNR40ME	471,780	431,980	392,840	354,900	318,640	284,370	252,120	195,110	149,430

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
BCV0151MAACD	3DS3R17ME	-	-	144,230	130,980	117,970	105,390	93,360	70,970	50,870
BCV0201MAACD	4DBNR20ME	225,100	204,510	184,710	166,370	149,080	133,180	118,520	92,250	69,580
BCV0251MAACD	4DHNR22ME	-	-	199,640	180,320	161,970	145,030	128,990	100,600	75,950
BCV0301MAACD	4DJNR28ME	294,360	268,510	243,540	219,730	197,250	175,850	155,550	118,380	85,470
BCV0351MAACD	6DHNR35ME	363,670	334,560	305,610	277,000	249,390	222,730	197,350	151,500	113,410
BCV0401M*ACD	6DJNR40ME	441,080	404,670	368,420	333,130	299,140	266,940	236,410	181,890	137,540

**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

A0400 Option code at the end of the model # is IntelliGen™/ Beacon II™

For 50 cycle capacity, multiply values by .86

# PERFORMANCE DATA – R-407A/R-407F

Medium Temperature High Efficiency Models - Discus™ Compressors

Please consult AWEF table on page 40 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
BCV0151MAACD	3DS3R17ME	203,560	186,550	169,870	153,730	138,350	123,650	109,890	85,290	65,240
BCV0201MAACD	4DBNR20ME	267,310	242,580	219,430	197,600	177,560	158,950	141,800	111,590	85,430
BCV0251MAACD	4DHNR22ME	286,800	261,170	236,840	214,210	192,790	172,740	154,630	121,780	93,430
BCV0301MAACD	4DJNR28ME	353,420	321,960	291,860	263,470	236,610	211,570	187,900	145,070	107,630
BCV0351MAACD	6DHNR35ME	424,660	389,630	354,800	321,220	288,940	258,620	230,030	179,470	138,720
BCV0401M*ACD	6DJNR40ME	518,430	473,220	429,380	387,370	347,500	310,170	275,330	214,570	166,400

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
BCV0151MAACD	3DS3R17ME	195,560	179,360	163,420	148,130	133,160	119,010	105,620	81,770	62,030
BCV0201MAACD	4DBNR20ME	257,330	233,420	211,160	190,070	170,750	152,850	136,370	107,220	81,970
BCV0251MAACD	4DHNR22ME	275,760	251,150	227,740	205,780	185,360	166,130	148,520	116,930	89,580
BCV0301MAACD	4DJNR28ME	340,120	309,830	280,860	253,440	227,700	203,340	180,740	139,610	103,820
BCV0351MAACD	6DHNR35ME	410,130	376,480	343,150	310,770	279,710	250,330	222,690	173,320	133,210
BCV0401M*ACD	6DJNR40ME	500,910	457,330	415,520	374,910	336,530	300,320	266,600	207,400	160,130

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
BCV0151MAACD	3DS3R17ME	187,600	172,180	157,000	142,200	128,000	114,300	101,430	78,230	58,800
BCV0201MAACD	4DBNR20ME	247,160	224,570	202,930	182,650	163,950	146,790	130,880	102,760	78,430
BCV0251MAACD	4DHNR22ME	264,640	241,090	218,650	197,770	177,820	159,470	142,450	112,100	85,650
BCV0301MAACD	4DJNR28ME	326,480	297,390	269,670	243,190	218,310	195,260	173,470	134,150	100,120
BCV0351MAACD	6DHNR35ME	395,380	363,020	331,390	300,290	270,480	242,030	215,120	167,030	127,540
BCV0401M*ACD	6DJNR40ME	483,340	441,700	401,600	362,410	325,390	290,530	257,820	200,150	153,740

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
BCV0151MAACD	3DS3R17ME	-	-	144,310	130,960	117,790	105,210	93,130	71,200	52,390
BCV0201MAACD	4DBNR20ME	227,090	206,280	186,300	167,720	150,360	134,450	119,850	93,700	71,080
BCV0251MAACD	4DHNR22ME	-	-	200,310	181,030	162,790	146,000	130,140	102,060	77,510
BCV0301MAACD	4DJNR28ME	298,350	271,610	246,120	222,100	199,500	178,540	158,730	123,250	92,950
BCV0351MAACD	6DHNR35ME	-	336,510	307,640	278,910	251,570	225,010	199,830	154,180	115,800
BCV0401M*ACD	6DJNR40ME	448,390	410,530	373,360	337,570	303,190	270,670	240,110	185,420	140,610

**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

A0400 Option code at the end of the model # is IntelliGen™/ Beacon II™

For 50 cycle capacity, multiply values by .86

# PERFORMANCE DATA – R-407C

## Medium Temperature High Efficiency Models - Discus™ Compressors

Please consult AWEF table on page 40 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
BCV0151MAACD	3DS3R17ME	182,010	166,200	150,930	136,370	122,600	109,580	97,410	75,640	57,120
BCV0201MAACD	4DBNR20ME	236,030	213,510	192,510	172,760	153,750	136,050	118,820	85,340	51,480
BCV0251MAACD	4DHNR22ME	259,010	235,340	212,800	191,460	171,270	152,290	134,760	104,440	79,980
BCV0301MAACD	4DJNR28ME	320,910	288,610	259,060	231,790	206,610	183,730	162,800	126,070	94,390
BCV0351MAACD	6DHNR35ME	381,820	343,050	307,410	275,240	246,260	220,150	196,180	152,390	109,290
BCV0401M*ACD	6DJNR40ME	507,630	445,630	391,710	345,750	306,280	272,420	242,720	189,090	130,880

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
BCV0151MAACD	3DS3R17ME	176,090	160,890	146,200	132,110	118,750	106,120	94,180	72,580	53,920
BCV0201MAACD	4DBNR20ME	227,270	205,450	184,850	165,720	147,690	130,520	114,020	81,970	49,690
BCV0251MAACD	4DHNR22ME	247,090	224,920	203,860	183,870	164,380	146,520	129,870	100,480	76,220
BCV0301MAACD	4DJNR28ME	306,310	276,220	248,270	222,690	198,990	177,300	157,370	121,900	90,440
BCV0351MAACD	6DHNR35ME	367,200	330,470	296,540	265,890	238,090	212,970	189,710	146,780	103,720
BCV0401M*ACD	6DJNR40ME	482,360	423,710	371,670	328,520	291,210	259,590	231,890	182,120	127,830

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
BCV0151MAACD	3DS3R17ME	170,240	155,620	141,450	127,800	114,810	102,410	90,750	69,290	-
BCV0201MAACD	4DBNR20ME	218,400	197,320	177,520	158,940	141,650	125,210	109,410	78,830	48,160
BCV0251MAACD	4DHNR22ME	235,300	214,990	195,180	176,290	157,980	140,930	125,030	96,570	72,510
BCV0301MAACD	4DJNR28ME	292,200	264,090	237,920	213,970	191,670	171,170	152,140	117,890	86,560
BCV0351MAACD	6DHNR35ME	352,760	317,730	285,220	256,100	229,590	205,440	182,920	140,820	97,870
BCV0401M*ACD	6DJNR40ME	455,090	398,790	351,000	310,140	275,580	246,310	220,910	175,870	126,460

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
BCV0151MAACD	3DS3R17ME	-	-	-	114,320	102,070	90,500	79,180	58,080	38,590
BCV0201MAACD	4DBNR20ME	-	173,560	156,140	139,970	124,750	110,400	96,840	70,880	45,210
BCV0251MAACD	4DHNR22ME	-	-	-	155,500	140,310	125,710	111,810	85,700	61,920
BCV0301MAACD	4DJNR28ME	252,920	230,460	209,650	189,980	171,610	154,410	137,990	106,850	75,890
BCV0351MAACD	6DHNR35ME	-	278,470	251,000	225,570	202,360	181,070	160,690	120,970	78,460
BCV0401M*ACD	6DJNR40ME	368,180	322,630	283,420	251,610	225,850	205,800	189,380	163,200	134,200

**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

A0400 Option code at the end of the model # is IntelliGen™/ Beacon II™

For 50 cycle capacity, multiply values by .86

## UNIT SPECIFICATIONS

### Medium & Low Temperature Models - Discus™ Compressors

Please consult AWEF table on page 40 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	
BCV0150M^ACD	3DS3R17ME	1-1/8	1-5/8	123	2	30"	170.7	48.9	53.9	1,910
BCV0200M^ACD	4DBNR20ME	1-1/8	2-1/8	123	2	30"	170.7	48.9	53.9	2,070
BCV0250M^ACD	4DHNR22ME	1-1/8	2-1/8	123	2	30"	170.7	48.9	53.9	2,070
BCV0260M^ACD	4DHNR22ME	1-1/8	2-1/8	123	2	30"	170.7	48.9	53.9	2,070
BCV0300M^ACD	4DJNR28ME	1-1/8	2-1/8	188	2	30"	170.7	48.9	53.9	2,070
BCV0350M^ACD	6DHNR35ME	1-1/8	2-1/8	188	3	30"	225.7	48.9	53.9	2,580
BCV0400M*ACD	6DJNR40ME	1-1/8	2-1/8	188	3	30"	225.7	48.9	53.9	2,590
BCV0500MDACD	6DUNR49ME	1-1/8	2-1/8	188	4	30"	280.1	48.9	55.9	3,050
BCV0120L^ACD	4DBNF54KE	1-1/8	2-1/8	123	2	30"	170.7	48.9	53.9	2,000
BCV0150L^ACD	4DHNF63KE	1-1/8	2-1/8	123	2	30"	170.7	48.9	53.9	2,050
BCV0220L^ACD	4DJNF76KE	1-1/8	2-1/8	123	2	30"	170.7	48.9	53.9	2,000
BCV0270L^ACD	6DHNF93KE	1-1/8	2-1/8	123	2	30"	170.7	48.9	53.9	2,100
BCV0300L^ACD	6DJNF11ME	1-1/8	2-1/8	123	2	30"	170.7	48.9	53.9	2,100
BCV0400LDACD	6DUNF13ME	1-1/8	2-1/8	188	3	30"	225.7	48.9	53.9	2,600

## UNIT SPECIFICATIONS

### High Efficiency Temperature Models - Discus™ Compressors

Please consult AWEF table on page 40 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	
BCV0151M^ACD	3DS3R17ME	7/8	1-5/8	123	2	30"	170.7	48.9	53.9	1,910
BCV0201M^ACD	4DBNR20ME	7/8	2-1/8	123	2	30"	170.7	48.9	53.9	2,030
BCV0251M^ACD	4DHNR22ME	1-1/8	2-1/8	188	3	30"	225.7	48.9	53.9	2,460
BCV0301M^ACD	4DJNR28ME	1-1/8	2-1/8	188	3	30"	225.7	48.9	53.9	2,460
BCV0351M^ACD	6DHNR35ME	1-1/8	2-1/8	188	4	30"	280.1	48.9	55.9	2,980
BCV0401M*ACD	6DJNR40ME	1-1/8	2-1/8	188	4	30"	280.1	48.9	55.9	2,990

**Notes:**

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

\* K = 230/3/60

A0400 Option code at the end of the model # is IntelliGen™/ Beacon II™

# UNIT SPECIFICATIONS

## Medium & Low Temperature Models - Discus™ Compressors

Please consult AWEF table on page 40 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	
BCV0150MEACD	3DS3R17ME	1-1/8	1-5/8	123	2	30"	170.7	48.9	53.9	2,070
BCV0200MEACD	4DBNR20ME	1-1/8	2-1/8	123	2	30"	170.7	48.9	53.9	2,070
BCV0250MEACD	4DHNR22ME	1-1/8	2-1/8	123	2	30"	170.7	48.9	53.9	2,070
BCV0260MEACD	4DHNR22ME	1-1/8	2-1/8	123	2	30"	170.7	48.9	53.9	2,230
BCV0300MEACD	4DJNR28ME	1-1/8	2-1/8	188	2	30"	170.7	48.9	53.9	2,070
BCV0350MEACD	6DHNR35ME	1-1/8	2-1/8	188	3	30"	225.7	48.9	53.9	2,780
BCV0400MEACD	6DJNR40ME	1-1/8	2-1/8	188	3	30"	225.7	48.9	53.9	2,800
BCV0500MEACD	6DUNR49ME	1-1/8	2-1/8	188	4	30"	280.1	48.9	55.9	3,250
BCV0120LEACD	4DBNF54KE	1-1/8	2-1/8	123	2	30"	170.7	48.9	53.9	2,160
BCV0150LEACD	4DHNF63KE	1-1/8	2-1/8	123	2	30"	170.7	48.9	53.9	2,200
BCV0220LEACD	4DJNF76KE	1-1/8	2-1/8	123	2	30"	170.7	48.9	53.9	2,160
BCV0270LEACD	6DHNF93KE	1-1/8	2-1/8	123	2	30"	170.7	48.9	53.9	2,260
BCV0300LEACD	6DJNF11ME	1-1/8	2-1/8	123	2	30"	170.7	48.9	53.9	2,300
BCV0400LEACD	6DUNF13ME	1-1/8	2-1/8	188	3	30"	225.7	48.9	53.9	2,800

# UNIT SPECIFICATIONS

## High Efficiency Temperature Models - Discus™ Compressors

Please consult AWEF table on page 40 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	
BCV0151MEACD	3DS3R17ME	7/8	1-5/8	123	2	30"	170.7	48.9	53.9	2,070
BCV0201MEACD	4DBNR20ME	7/8	2-1/8	123	2	30"	170.7	48.9	53.9	2,030
BCV0251MEACD	4DHNR22ME	1-1/8	2-1/8	188	3	30"	225.7	48.9	53.9	2,670
BCV0301MEACD	4DJNR28ME	1-1/8	2-1/8	188	3	30"	225.7	48.9	53.9	2,460
BCV0351MEACD	6DHNR35ME	1-1/8	2-1/8	188	4	30"	280.1	48.9	55.9	2,980
BCV0401MEACD	6DJNR40ME	1-1/8	2-1/8	188	4	30"	280.1	48.9	55.9	2,990

**Notes:**

A0400 Option code at the end of the model # is IntelliGen™/ Beacon II™

# ELECTRICAL DATA

## Medium Temperature Models - Copeland/208-230V

Please consult AWEF table on page 40 to confirm DOE compliance per model

Model	Compressor	Compressor		Condenser		Air Defrost		Remote Loads: Four Contactors							
		RLA	LRA	No. Fans	FLA (Total)	MCA	MOPD	Low Amps "4L"				High Amps "4H"			
								Evap. Fan Amps	Defrost Htrs. Amps	Electric Defrost		Evap. Fan Amps	Defrost Htrs. Amps	Electric Defrost	
								MCA	MOPD	MCA	MOPD	MCA	MOPD	MCA	MOPD
BCV0150M\ACD	3DS3R17ME	53.5	275.0	2	7	73.9	125	25	96	120.0	150	25	108	135.0	150
BCV0200M\ACD	4DBNR20ME	64.7	374.0	2	7	87.9	150	25	96	120.0	175	25	108	135.0	175
BCV0250M\ACD	4DHNR22ME	66.8	428.0	2	7	90.5	150	25	125	156.3	175	30	181	226.3	250
BCV0260M\ACD	4DHNR22ME	66.8	428.0	2	13.2	96.7	150	25	125	156.3	175	30	181	226.3	250
BCV0300M\ACD	4DJNR28ME	94.6	470.0	2	13.2	131.5	225	30	149	186.3	250	30	181	226.3	250
BCV0350M\ACD	6DHNR35ME	112.3	565.0	3	19.8	160.2	250	35	160	200.0	300	35	192	240.0	300
BCV0400M*ACD	6DJNR40ME	128.2	594.0	3	19.8	180.1	300	35	160	216.3	300	35	192	240.0	300

Model	Compressor	Compressor		Condenser		Air Defrost		Remote Loads: Three Contactors							
		RLA	LRA	No. Fans	FLA (Total)	MCA	MOPD	Low Amps "3L"				High Amps "3H"			
								Evap. Fan Amps	Defrost Htrs. Amps	Electric Defrost		Evap. Fan Amps	Defrost Htrs. Amps	Electric Defrost	
								MCA	MOPD	MCA	MOPD	MCA	MOPD	MCA	MOPD
BCV0150M\ACD	3DS3R17ME	53.5	275.0	2	7	73.9	125	25	96	120.0	150	25	96	120.0	150
BCV0200M\ACD	4DBNR20ME	64.7	374.0	2	7	87.9	150	22	96	120.0	150	25	96	120.0	175
BCV0250M\ACD	4DHNR22ME	66.8	428.0	2	7	90.5	150	20	96	120.0	175	25	120	150.0	175
BCV0260M\ACD	4DHNR22ME	66.8	428.0	2	13.2	96.7	150	20	96	120.0	175	25	96	122.5	175
BCV0300M\ACD	4DJNR28ME	94.6	470.0	2	13.2	131.5	225	25	125	157.3	250	20	125	156.3	225
BCV0350M\ACD	6DHNR35ME	112.3	565.0	3	19.8	160.2	250	30	130	190.2	300	35	144	195.2	300
BCV0400M*ACD	6DJNR40ME	128.2	594.0	3	19.8	180.1	300	30	130	210.1	300	30	144	210.1	300

**Notes:**

Λ C = 208-230/3/60

\* K = 230/3/60

A0400 Option code at the end of the model # is IntelliGen™/ Beacon II™

MCA = Minimum Circuit Ampacity

MOP = Maximum Overcurrent Protection

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

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

An evaporator heater hold out relay (option) is recommended when two or more evaporators

are connected to a single (BCV) condensing unit to allow termination on coils that have already

defrosted to prevent unnecessary steaming. This option is not needed on A0400 IntelliGen™/ Beacon II™ systems wired for a Master / Slave operation.

Mounted Electric Defrost Kits for BCV condensing units include:

Defrost timer, terminal strip, (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.

# ELECTRICAL DATA

## Medium Temperature Models - Copeland/208-230V (cont.)

Please consult AWEF table on page 40 to confirm DOE compliance per model

Model	Compressor	Remote Loads: Two Contactors															
		Compressor				Condenser		Air Defrost		Low Amps "2L"				High Amps "2H"			
		RLA	LRA	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		
BCV0150M\ACD	3DS3R17ME	53.5	275.0	2	7	73.9	125	25	80	100.0	150	25	96	120.0	150		
BCV0200M\ACD	4DBNR20ME	64.7	374.0	2	7	87.9	150	20	80	107.9	150	20	96	120.0	150		
BCV0250M\ACD	4DHNR22ME	66.8	428.0	2	7	90.5	150	-	-	-	-	-	-	-	-		
BCV0260M\ACD	4DHNR22ME	66.8	428.0	2	13.2	96.7	150	-	-	-	-	-	-	-	-		
BCV0300M\ACD	4DJNR28ME	94.6	470.0	2	13.2	131.5	225	-	-	-	-	-	-	-	-		
BCV0350M\ACD	6DHNR35ME	112.3	565.0	3	19.8	160.2	250	-	-	-	-	-	-	-	-		
BCV0400M*ACD	6DJNR40ME	128.2	594.0	3	19.8	180.1	300	-	-	-	-	-	-	-	-		

**Notes:**

Λ C = 208-230/3/60

\* K = 230/3/60

A0400 Option code at the end of the model # is IntelliGen™/ Beacon II™

MCA = Minimum Circuit Ampacity

MOP = Maximum Overcurrent Protection

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

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

An evaporator heater hold out relay (option) is recommended when two or more evaporators

are connected to a single (BCV) condensing unit to allow termination on coils that have already

defrosted to prevent unnecessary steaming. This option is not needed on A0400 IntelliGen™/ Beacon II™ systems wired for a Master / Slave operation.

Mounted Electric Defrost Kits for BCV condensing units include:

Defrost timer, terminal strip, (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.

# ELECTRICAL DATA

## Medium Temperature Models - Copeland/460V

Please consult AWEF table on page 40 to confirm DOE compliance per model

Model	Compressor	Compressor		Condenser		Air Defrost		Remote Loads: Four Contactors							
								Low Amps "4L"				High Amps "4H"			
								Evap. Fan Amps	Defrost Htrs. Amps	Electric Defrost		Evap. Fan Amps	Defrost Htrs. Amps	Electric Defrost	
RLA	LRA	No. Fans	FLA (Total)	MCA	MOPD	MCA	MOPD	MCA	MOPD	MCA	MOPD				
BCV0150MAACD	3DS3R17ME	26.0	138.0	2	3.4	35.9	60	15	48	60.0	70	15	64	80.0	80
BCV0200MAACD	4DBNR20ME	32.4	187.0	2	3.4	43.9	70	15	48	60.0	90	15	64	80.0	90
BCV0250MAACD	4DHNR22ME	33.4	214.0	2	3.4	45.1	70	20	64	80.0	90	20	96	120.0	125
BCV0260MAACD	4DHNR22ME	33.4	214.0	2	6.6	48.3	80	20	64	80.0	100	20	96	120.0	125
BCV0300MAACD	4DJNR28ME	47.3	235.0	2	6.6	65.7	110	20	64	86.1	125	20	96	120.0	125
BCV0350MAACD	6DHNR35ME	56.2	283.0	3	9.9	80.1	125	20	64	100.7	150	20	96	120.0	150
BCV0400MAACD	6DJNR40ME	64.1	297.0	3	9.9	90.0	150	20	64	110.6	150	20	96	120.0	150
BCV0500MDACD	6DUNR49ME	75.0	482.0	4	6.8	100.6	175	20	64	120.6	175	20	96	120.6	175

Model	Compressor	Compressor		Condenser		Air Defrost		Remote Loads: Three Contactors							
								Low Amps "3L"				High Amps "3H"			
								Evap. Fan Amps	Defrost Htrs. Amps	Electric Defrost		Evap. Fan Amps	Defrost Htrs. Amps	Electric Defrost	
RLA	LRA	No. Fans	FLA (Total)	MCA	MOPD	MCA	MOPD	MCA	MOPD	MCA	MOPD				
BCV0150MAACD	3DS3R17ME	26.0	138.0	2	3.4	35.9	60	15	48	60.0	70	15	64	80.0	80
BCV0200MAACD	4DBNR20ME	32.4	187.0	2	3.4	43.9	70	15	64	80.0	90	15	64	80.0	90
BCV0250MAACD	4DHNR22ME	33.4	214.0	2	3.4	45.1	70	15	64	80.0	90	20	64	80.0	90
BCV0260MAACD	4DHNR22ME	33.4	214.0	2	6.6	48.3	80	15	64	80.0	90	20	64	80.0	100
BCV0300MAACD	4DJNR28ME	47.3	235.0	2	6.6	65.7	110	20	64	86.1	125	20	64	86.1	125
BCV0350MAACD	6DHNR35ME	56.2	283.0	3	9.9	80.1	125	20	64	100.7	150	20	96	120.0	150
BCV0400MAACD	6DJNR40ME	64.1	297.0	3	9.9	90.0	150	20	64	110.6	150	22	64	112.6	175
BCV0500MDACD	6DUNR49ME	75.0	482.0	4	6.8	100.6	175	20	64	120.6	175	22	64	122.6	175

**Notes:**

AD = 460/3/60

A0400 Option code at the end of the model # is IntelliGen™/ Beacon II™

MCA = Minimum Circuit Ampacity

MOP = Maximum Overcurrent Protection

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

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

An evaporator heater hold out relay (option) is recommended when two or more evaporators

are connected to a single (BCV) condensing unit to allow termination on coils that have already

defrosted to prevent unnecessary steaming. This option is not needed on A0400 IntelliGen™/ Beacon II™ systems wired for a Master / Slave operation.

Mounted Electric Defrost Kits for BCV condensing units include:

Defrost timer, terminal strip, (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.



# ELECTRICAL DATA

## Medium Temperature Models - Copeland/460V (cont.)

Please consult AWEF table on page 40 to confirm DOE compliance per model

Model	Compressor	Compressor		Condenser		Air Defrost		Remote Loads: Two Contactors							
		RLA	LRA	No. Fans	FLA (Total)	MCA	MOPD	Low Amps "2L"				High Amps "2H"			
								Evap. Fan Amps	Defrost Htrs. Amps	Electric Defrost		Evap. Fan Amps	Defrost Htrs. Amps	Electric Defrost	
										MCA	MOPD			MCA	MOPD
BCV0150MAACD	3DS3R17ME	26.0	138.0	2	3.4	35.9	60	15	48	60.0	70	15	64	80.0	80
BCV0200MAACD	4DBNR20ME	32.4	187.0	2	3.4	43.9	70	15	48	60.0	90	15	64	80.0	90
BCV0250MAACD	4DHNR22ME	33.4	214.0	2	3.4	45.1	70	15	48	60.1	90	15	80	100.0	100
BCV0260MAACD	4DHNR22ME	33.4	214.0	2	6.6	48.3	80	15	48	63.7	90	15	80	100.0	100
BCV0300MAACD	4DJNR28ME	47.3	235.0	2	6.6	65.7	110	15	80	100.0	125	20	96	120.0	125
BCV0350MAACD	6DHNR35ME	56.2	283.0	3	9.9	80.1	125	20	80	100.7	150	20	96	120.0	150
BCV0400MAACD	6DJNR40ME	64.1	297.0	3	9.9	90.0	150	20	80	110.6	150	20	96	120.0	150
BCV0500MDACD	6DUNR49ME	75.0	482.0	4	6.8	100.6	175	20	80	120.6	175	20	96	120.6	175

Model	Compressor	Compressor		Condenser		Air Defrost		Remote Loads: One Contactor							
		RLA	LRA	No. Fans	FLA (Total)	MCA	MOPD	Low Amps "1L"				High Amps "1H"			
								Evap. Fan Amps	Defrost Htrs. Amps	Electric Defrost		Evap. Fan Amps	Defrost Htrs. Amps	Electric Defrost	
										MCA	MOPD			MCA	MOPD
BCV0150MAACD	3DS3R17ME	26.0	138.0	2	3.4	35.9	60	15	40	50.9	70	15	48	60.0	70
BCV0200MAACD	4DBNR20ME	32.4	187.0	2	3.4	43.9	70	15	40	58.9	90	15	48	60.0	90
BCV0250MAACD	4DHNR22ME	33.4	214.0	2	3.4	45.1	70	-	-	-	-	-	-	-	-
BCV0260MAACD	4DHNR22ME	33.4	214.0	2	6.6	48.3	80	-	-	-	-	-	-	-	-
BCV0300MAACD	4DJNR28ME	47.3	235.0	2	6.6	65.7	110	-	-	-	-	-	-	-	-
BCV0350MAACD	6DHNR35ME	56.2	283.0	3	9.9	80.1	125	-	-	-	-	-	-	-	-
BCV0400MAACD	6DJNR40ME	64.1	297.0	3	9.9	90.0	150	-	-	-	-	-	-	-	-
BCV0500MDACD	6DUNR49ME	75.0	482.0	4	6.8	100.6	175	-	-	-	-	-	-	-	-

### Notes:

Λ D = 460/3/60

A0400 Option code at the end of the model # is IntelliGen™/ Beacon II™

MCA = Minimum Circuit Ampacity

MOP = Maximum Overcurrent Protection

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

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

An evaporator heater hold out relay (option) is recommended when two or more evaporators

are connected to a single (BCV) condensing unit to allow termination on coils that have already

defrosted to prevent unnecessary steaming. This option is not needed on A0400 IntelliGen™/ Beacon II™ systems wired for a Master / Slave operation.

Mounted Electric Defrost Kits for BCV condensing units include:

Defrost timer, terminal strip, (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.

# ELECTRICAL DATA

## Medium Temperature Models - Copeland/575V

Please consult AWEF table on page 40 to confirm DOE compliance per model

Model	Compressor	Compressor		Condenser		Air Defrost		Remote Loads: Four Contactors							
		RLA	LRA	No. Fans	FLA (Total)	MCA	MOPD	Low Amps "4L"				High Amps "4H"			
								Evap. Fan Amps	Defrost Htrs. Amps	Electric Defrost		Evap. Fan Amps	Defrost Htrs. Amps	Electric Defrost	
										MCA	MOPD			MCA	MOPD
BCV0150MEACD	3DS3R17ME	21.2	110	2	2.7	29.2	50	12	40	50.0	60	12	51	63.8	70
BCV0200MEACD	4DBNR20ME	28.2	135	2	5.6	40.9	60	12	44	55.0	80	12	51	63.8	80
BCV0250MEACD	4DHNR22ME	29.9	172	2	5.6	42.9	70	16	51	63.8	80	16	71	88.8	90
BCV0260MEACD	4DHNR22ME	29.9	172	2	5.3	42.6	70	16	64	80.0	80	16	71	88.8	90
BCV0300MEACD	4DJNR28ME	39.6	200	2	5.6	55.1	90	16	64	80.0	110	16	77	96.3	110
BCV0350MEACD	6DHNR35ME	36.5	230	3	7.9	53.6	90	16	64	80.0	100	16	77	96.3	100
BCV0400MEACD	6DJNR40ME	46.2	245	3	7.9	65.6	110	16	64	81.6	125	16	77	96.3	125
BCV0500MEACD	6DUNR49ME	56.2	335.2	4	5.5	75.6	125	16	64	91.6	125	16	77	96.3	125

Model	Compressor	Compressor		Condenser		Air Defrost		Remote Loads: Three Contactors							
		RLA	LRA	No. Fans	FLA (Total)	MCA	MOPD	Low Amps "3L"				High Amps "3H"			
								Evap. Fan Amps	Defrost Htrs. Amps	Electric Defrost		Evap. Fan Amps	Defrost Htrs. Amps	Electric Defrost	
										MCA	MOPD			MCA	MOPD
BCV0150MEACD	3DS3R17ME	21.2	110	2	2.7	29.2	50	12	40	50.0	60	12	51	63.8	70
BCV0200MEACD	4DBNR20ME	28.2	135	2	5.6	40.9	60	12	42	52.9	80	12	51	63.8	80
BCV0250MEACD	4DHNR22ME	29.9	172	2	5.6	42.9	70	12	60	75.0	80	12	64	80.0	80
BCV0260MEACD	4DHNR22ME	29.9	172	2	5.3	42.6	70	12	64	80.0	80	12	64	80.0	80
BCV0300MEACD	4DJNR28ME	39.6	200	2	5.6	55.1	90	16	64	80.0	110	16	77	96.3	110
BCV0350MEACD	6DHNR35ME	36.5	230	3	7.9	53.6	90	16	64	80.0	100	16	77	96.3	100
BCV0400MEACD	6DJNR40ME	46.2	245	3	7.9	65.6	110	16	64	81.6	125	16	77	96.3	125
BCV0500MEACD	6DUNR49ME	56.2	335.2	4	5.5	75.6	125	16	64	91.6	125	16	77	96.3	125

**Notes:**

A0400 Option code at the end of the model # is IntelliGen™ / Beacon II™

MCA = Minimum Circuit Ampacity

MOP = Maximum Overcurrent Protection

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

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

An evaporator heater hold out relay (option) is recommended when two or more evaporators

are connected to a single (BCV) condensing unit to allow termination on coils that have already

defrosted to prevent unnecessary steaming. This option is not needed on A0400 IntelliGen™ / Beacon II™ systems wired for a Master / Slave operation.

Mounted Electric Defrost Kits for BCV condensing units include:

Defrost timer, terminal strip, (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.

# ELECTRICAL DATA

## Medium Temperature Models - Copeland/575V (cont.)

Please consult AWEF table on page 40 to confirm DOE compliance per model

Model	Compressor	Compressor		Condenser		Air Defrost		Remote Loads: Two Contactors							
		RLA	LRA	No. Fans	FLA (Total)	MCA	MOPD	Low Amps "2L"				High Amps "2H"			
								Evap. Fan Amps	Defrost Htrs. Amps	Electric Defrost		Evap. Fan Amps	Defrost Htrs. Amps	Electric Defrost	
										MCA	MOPD			MCA	MOPD
BCV0150MEACD	3DS3R17ME	21.2	110	2	2.7	29.2	50	12	38	47.5	60	12	42	52.5	60
BCV0200MEACD	4DBNR20ME	28.2	135	2	3.4	40.9	60	12	38	52.9	80	12	42	52.9	80
BCV0250MEACD	4DHNR22ME	29.9	172	2	3.4	42.9	70	12	38	54.9	80	12	64	80.0	80
BCV0260MEACD	4DHNR22ME	29.9	172	2	5.3	42.6	70	12	48	60.0	80	12	64	80.0	80
BCV0300MEACD	4DJNR28ME	39.6	200	2	6.6	55.1	90	12	48	67.1	100	16	77	96.3	110
BCV0350MEACD	6DHNR35ME	36.5	230	3	7.9	53.6	90	16	48	69.6	100	16	77	96.3	100
BCV0400MEACD	6DJNR40ME	46.2	245	3	7.9	65.6	110	16	48	81.6	125	16	77	96.3	125
BCV0500MEACD	6DUNR49ME	56.2	335.2	4	5.5	75.6	125	16	48	91.6	125	16	77	96.3	125

Model	Compressor	Compressor		Condenser		Air Defrost		Remote Loads: One Contactor							
		RLA	LRA	No. Fans	FLA (Total)	MCA	MOPD	Low Amps "1L"				High Amps "1H"			
								Evap. Fan Amps	Defrost Htrs. Amps	Electric Defrost		Evap. Fan Amps	Defrost Htrs. Amps	Electric Defrost	
										MCA	MOPD			MCA	MOPD
BCV0150MEACD	3DS3R17ME	21.2	110	2	2.7	29.2	50	12	32	41.2	60	12	38	47.5	60
BCV0200MEACD	4DBNR20ME	28.2	135	2	3.4	40.9	60	12	32	52.9	80	12	38	52.9	80
BCV0250MEACD	4DHNR22ME	29.9	172	2	3.4	42.9	70	-	-	-	-	-	-	-	-
BCV0260MEACD	4DHNR22ME	29.9	172	2	5.3	42.6	70	-	-	-	-	-	-	-	-
BCV0300MEACD	4DJNR28ME	39.6	200	2	6.6	55.1	90	-	-	-	-	-	-	-	-
BCV0350MEACD	6DHNR35ME	36.5	230	3	7.9	53.6	90	-	-	-	-	-	-	-	-
BCV0400MEACD	6DJNR40ME	46.2	245	3	7.9	65.6	110	-	-	-	-	-	-	-	-
BCV0500MEACD	6DUNR49ME	56.2	335.2	4	5.5	75.6	125	-	-	-	-	-	-	-	-

**Notes:**

A0400 Option code at the end of the model # is IntelliGen™/ Beacon II™  
MCA = Minimum Circuit Ampacity  
MOP = Maximum Overcurrent Protection  
IntelliGen™/ Beacon II™ and Air Defrost Units do not carry any of the evaporator fan or heater loads.  
Power is supplied directly to the evaporators and does not go through the condensing unit.  
An evaporator heater hold out relay (option) is recommended when two or more evaporators are connected to a single (BCV) condensing unit to allow termination on coils that have already defrosted to prevent unnecessary steaming. This option is not needed on A0400 IntelliGen™/ Beacon II™ systems wired for a Master / Slave operation.  
Mounted Electric Defrost Kits for BCV condensing units include:  
Defrost timer, terminal strip, (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.

# ELECTRICAL DATA

## Low Temperature Models - Copeland/208-230V

Please consult AWEF table on page 40 to confirm DOE compliance per model

Model	Compressor	Compressor		Condenser		Air Defrost		Remote Loads: Four Contactors							
								Low Amps "4L"				High Amps "4H"			
								Evap. Fan Amps	Defrost Htrs. Amps	Electric Defrost		Evap. Fan Amps	Defrost Htrs. Amps	Electric Defrost	
RLA	LRA	No. Fans	FLA (Total)	MCA	MOPD	MCA	MOPD	MCA	MOPD						
BCV0120LAACD	4DBNF54KE	46.0	220.0	2	7	64.5	110	22	48	86.5	125	22	64	86.5	125
BCV0150LAACD	4DHNF63KE	47.2	278.0	2	7	66.0	110	25	64	91.0	125	25	91	113.8	125
BCV0220LAACD	4DJNF76KE	57.7	374.0	2	7	79.1	125	25	96	120.0	150	25	105	131.3	150
BCV0270LAACD	6DHNF93KE	72.4	450.0	2	7	97.5	150	25	96	122.5	175	25	108	135.0	175
BCV0300LAACD	6DJNF11ME	85.8	470.0	2	2.1	109.3	175	30	150	187.5	225	30	181	226.3	250

Model	Compressor	Compressor		Condenser		Air Defrost		Remote Loads: Three Contactors							
								Low Amps "3L"				High Amps "3H"			
								Evap. Fan Amps	Defrost Htrs. Amps	Electric Defrost		Evap. Fan Amps	Defrost Htrs. Amps	Electric Defrost	
RLA	LRA	No. Fans	FLA (Total)	MCA	MOPD	MCA	MOPD	MCA	MOPD						
BCV0120LAACD	4DBNF54KE	46.0	220.0	2	7	64.5	110	20	40	84.5	125	22	48	86.5	125
BCV0150LAACD	4DHNF63KE	47.2	278.0	2	7	66.0	110	22	70	88.0	125	25	64	91.0	125
BCV0220LAACD	4DJNF76KE	57.7	374.0	2	7	79.1	125	20	85	106.3	150	25	96	120.0	150
BCV0270LAACD	6DHNF93KE	72.4	450.0	2	7	97.5	150	20	80	117.5	175	25	96	122.5	175
BCV0300LAACD	6DJNF11ME	85.8	470.0	2	2.1	109.3	175	20	96	129.3	200	25	96	134.3	200

**Notes:**

Λ C = 203-230/3/60

A0400 Option code at the end of the model # is IntelliGen™ / Beacon II™

MCA = Minimum Circuit Ampacity

MOP = Maximum Overcurrent Protection

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

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

An evaporator heater hold out relay (option) is recommended when two or more evaporators

are connected to a single (BCV) condensing unit to allow termination on coils that have already

defrosted to prevent unnecessary steaming. This option is not needed on A0400 IntelliGen™ / Beacon II™ systems wired for a Master / Slave operation.

Mounted Electric Defrost Kits for BCV condensing units include:

Defrost timer, terminal strip, (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.

# ELECTRICAL DATA

## Low Temperature Models - Copeland/208-230V (cont.)

Please consult AWEF table on page 40 to confirm DOE compliance per model

Model	Compressor	Remote Loads: Two Contactors													
		Compressor						Low Amps "2L"				High Amps "2H"			
		RLA	LRA	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
BCV012L/AACD	4DBNF54KE	46.0	220.0	2	7	64.5	110	15	34	79.5	125	20	74	92.5	125
BCV0150L/AACD	4DHNF63KE	47.2	278.0	2	7	66.0	110	20	80	100.0	125	20	91	113.8	125
BCV0220L/AACD	4DJNF76KE	57.7	374.0	2	7	79.1	125	20	80	100.0	150	20	96	120.0	150
BCV0270L/AACD	6DHNF93KE	72.4	450.0	2	7	97.5	150	20	80	117.5	175	20	96	120.0	175
BCV0300L/AACD	6DJNF11ME	85.8	470.0	2	2.1	109.3	175	20	80	129.3	200	20	96	129.3	200

Model	Compressor	Remote Loads: One Contactor													
		Compressor						Low Amps "1L"				High Amps "1H"			
		RLA	LRA	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
BCV0120L/AACD	4DBNF54KE	46.0	220.0	2	7	64.5	110	15	40	79.5	125	15	48	79.5	125
BCV0150L/AACD	4DHNF63KE	47.2	278.0	2	7	66.0	110	15	40	81.0	125	15	48	81.0	125
BCV0220L/AACD	4DJNF76KE	57.7	374.0	2	7	79.1	125	15	40	94.1	150	15	48	94.1	150
BCV0270L/AACD	6DHNF93KE	72.4	450.0	2	7	97.5	150	-	-	-	-	-	-	-	-
BCV0300L/AACD	6DJNF11ME	85.8	470.0	2	2.1	109.3	175	-	-	-	-	-	-	-	-

### Notes:

Λ C = 208-230/3/60

A0400 Option code at the end of the model # is IntelliGen™/ Beacon II™

MCA = Minimum Circuit Ampacity

MOP = Maximum Overcurrent Protection

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

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

An evaporator heater hold out relay (option) is recommended when two or more evaporators

are connected to a single (BCV) condensing unit to allow termination on coils that have already

defrosted to prevent unnecessary steaming. This option is not needed on A0400 IntelliGen™/ Beacon II™ systems wired for a Master / Slave operation.

Mounted Electric Defrost Kits for BCV condensing units include:

Defrost timer, terminal strip, (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.

# ELECTRICAL DATA

## Low Temperature Models - Copeland/460V

Please consult AWEF table on page 40 to confirm DOE compliance per model

Model	Compressor	Remote Loads: Four Contactors														
		Compressor		Condenser		Air Defrost		Low Amps "4L"				High Amps "4H"				
		RLA	LRA	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	
BCV0120LAACD	4DBNF54KE	23.0	110.0	2	3.4	32.2	50	-	-	-	-	-	-	-	-	-
BCV0150LAACD	4DHNF63KE	23.6	139.0	2	3.4	32.9	50	15	48	60.0	70	15	48	60.0	70	
BCV0220LAACD	4DJNF76KE	28.8	187.0	2	3.4	39.5	60	15	48	60.0	80	15	48	60.0	80	
BCV0270LAACD	6DHNF93KE	36.2	225.0	2	3.4	48.7	80	15	48	63.7	90	15	64	80.0	90	
BCV0300LAACD	6DJNF11ME	42.9	235.0	2	1.1	54.6	90	20	64	80.0	110	20	91	113.8	125	
BCV0400LDACD	6DUNF13ME	60.9	367.0	3	9.9	86.0	125	20	64	106.0	150	20	91	113.8	150	

Model	Compressor	Remote Loads: Three Contactors													
		Compressor		Condenser		Air Defrost		Low Amps "3L"				High Amps "3H"			
		RLA	LRA	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
BCV0120LAACD	4DBNF54KE	23.0	110.0	2	3.4	32.2	50	15	22	47.2	70	20	22	52.2	70
BCV0150LAACD	4DHNF63KE	23.6	139.0	2	3.4	32.9	50	15	32	47.9	70	15	48	60.0	70
BCV0220LAACD	4DJNF76KE	28.8	187.0	2	3.4	39.5	60	15	48	60.0	80	15	48	60.0	80
BCV0270LAACD	6DHNF93KE	36.2	225.0	2	3.4	48.7	80	15	48	63.7	90	15	64	80.0	90
BCV0300LAACD	6DJNF11ME	42.9	235.0	2	1.1	54.6	90	15	64	80.0	110	22	64	80.0	110
BCV0400LDACD	6DUNF13ME	60.9	367.0	3	9.9	86.0	125	15	64	101.0	150	22	64	108.0	150

**Notes:**

Λ D = 460/3/60  
 A0400 Option code at the end of the model # is IntelliGen™/ Beacon II™  
 MCA = Minimum Circuit Ampacity  
 MOP = Maximum Overcurrent Protection  
 IntelliGen™/ Beacon II™ and Air Defrost Units do not carry any of the evaporator fan or heater loads.  
 Power is supplied directly to the evaporators and does not go through the condensing unit.  
 An evaporator heater hold out relay (option) is recommended when two or more evaporators are connected to a single (BCV) condensing unit to allow termination on coils that have already defrosted to prevent unnecessary steaming. This option is not needed on A0400 IntelliGen™/ Beacon II™ systems wired for a Master / Slave operation.

Mounted Electric Defrost Kits for BCV condensing units include:  
 Defrost timer, terminal strip, (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.

# ELECTRICAL DATA

## Low Temperature Models - Copeland/460V (cont.)

Please consult AWEF table on page 40 to confirm DOE compliance per model

Model	Compressor	Compressor		Condenser		Air Defrost		Remote Loads: Two Contactors							
								Low Amps "2L"				High Amps "2H"			
								Evap. Fan Amps	Defrost Htrs. Amps	Electric Defrost		Evap. Fan Amps	Defrost Htrs. Amps	Electric Defrost	
RLA	LRA	No. Fans	FLA (Total)	MCA	MOPD	MCA	MOPD	MCA	MOPD						
BCV0120LAACD	4DBNF54KE	23.0	110.0	2	3.4	32.2	50	10	19	42.2	60	15	38	47.5	70
BCV0150LAACD	4DHNF63KE	23.6	139.0	2	3.4	32.9	50	15	32	47.9	70	15	48	60.0	70
BCV0220LAACD	4DJNF76KE	28.8	187.0	2	3.4	39.5	60	15	48	60.0	80	15	64	80.0	80
BCV0270LAACD	6DHNF93KE	36.2	225.0	2	3.4	48.7	80	15	48	63.7	90	15	64	80.0	90
BCV0300LAACD	6DJNF11ME	42.9	235.0	2	1.1	54.6	90	15	48	69.6	110	15	80	100.0	110
BCV0400LDACD	6DUNF13ME	60.9	367.0	3	9.9	86.0	125	15	48	101.0	150	15	80	101.0	150

Model	Compressor	Compressor		Condenser		Air Defrost		Remote Loads: One Contactor							
								Low Amps "1L"				High Amps "1H"			
								Evap. Fan Amps	Defrost Htrs. Amps	Electric Defrost		Evap. Fan Amps	Defrost Htrs. Amps	Electric Defrost	
RLA	LRA	No. Fans	FLA (Total)	MCA	MOPD	MCA	MOPD	MCA	MOPD						
BCV0120LAACD	4DBNF54KE	23.0	110.0	2	3.4	32.2	50	10	19	42.2	60	10	24	42.2	60
BCV0150LAACD	4DHNF63KE	23.6	139.0	2	3.4	32.9	50	15	24	47.9	70	15	40	50.0	70
BCV0220LAACD	4DJNF76KE	28.8	187.0	2	3.4	39.5	60	15	40	54.5	80	15	48	60.0	80
BCV0270LAACD	6DHNF93KE	36.2	225.0	2	3.4	48.7	80	15	40	63.7	90	15	48	63.7	90
BCV0300LAACD	6DJNF11ME	42.9	235.0	2	1.1	54.6	90	15	40	69.6	110	15	48	69.6	110
BCV0400LDACD	6DUNF13ME	60.9	367.0	3	9.9	86.0	125	15	40	101.0	150	15	48	101.0	150

**Notes:**

Λ D = 460/3/60

A0400 Option code at the end of the model # is IntelliGen™/ Beacon II™

MCA = Minimum Circuit Ampacity

MOP = Maximum Overcurrent Protection

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

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

An evaporator heater hold out relay (option) is recommended when two or more evaporators

are connected to a single (BCV) condensing unit to allow termination on coils that have already

defrosted to prevent unnecessary steaming. This option is not needed on A0400 IntelliGen™/ Beacon II™ systems wired for a Master / Slave operation.

Mounted Electric Defrost Kits for BCV condensing units include:

Defrost timer, terminal strip, (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.

# ELECTRICAL DATA

## Low Temperature Models - Copeland/575V

Please consult AWEF table on page 41 to confirm DOE compliance per model

Model	Compressor	Remote Loads: Four Contactors														
		Compressor		Condenser		Air Defrost		Low Amps "4L"				High Amps "4H"				
		RLA	LRA	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	
BCV0120LEACD	4DBNF54KE	15.6	106	2	2.7	22.2	35	-	-	-	-	-	-	-	-	-
BCV0150LEACD	4DHNF63KE	18.8	113	2	2.7	26.2	40	12	38	47.5	50	12	38	47.5	50	
BCV0220LEACD	4DJNF76KE	26.1	135	2	2.7	35.3	60	12	40	50	70	12	40	50.0	70	
BCV0270LEACD	6DHNF93KE	29.2	172	2	2.7	39.2	60	12	48	60	80	12	51	63.8	80	
BCV0300LEACD	6DJNF11ME	35.5	200	2	0.9	45.2	80	16	64	80	90	16	72.6	90.8	100	
BCV0400LEACD	6DUNF13ME	48.0	335.2	3	8.0	67.9	110	16	64	83.9	125	16	72.6	90.8	125	

Model	Compressor	Remote Loads: Three Contactors													
		Compressor		Condenser		Air Defrost		Low Amps "3L"				High Amps "3H"			
		RLA	LRA	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
BCV0120LEACD	4DBNF54KE	15.6	106	2	2.7	22.2	35	-	-	-	-	-	-	-	-
BCV0150LEACD	4DHNF63KE	18.8	113	2	2.7	26.2	40	12	38	47.5	50	12	40	50.0	50
BCV0220LEACD	4DJNF76KE	26.1	135	2	2.7	35.3	60	12	40	50	70	12	40	50.0	70
BCV0270LEACD	6DHNF93KE	29.2	172	2	2.7	39.2	60	12	46	57.5	80	12	51	63.8	80
BCV0300LEACD	6DJNF11ME	35.5	200	2	0.9	45.2	80	16	64	80	90	12	72	90.0	90
BCV0400LEACD	6DUNF13ME	48.0	335.2	3	8.0	67.9	110	12	64	80	125	12	72	90.0	125

**Notes:**

A0400 Option code at the end of the model # is IntelliGen™/ Beacon II™

MCA = Minimum Circuit Ampacity

MOP = Maximum Overcurrent Protection

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

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

An evaporator heater hold out relay (option) is recommended when two or more evaporators

are connected to a single (BCV) condensing unit to allow termination on coils that have already

defrosted to prevent unnecessary steaming. This option is not needed on A0400 IntelliGen™/ Beacon II™ systems wired for a Master / Slave operation.

Mounted Electric Defrost Kits for BCV condensing units include:

Defrost timer, terminal strip, (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.



# ELECTRICAL DATA

## Low Temperature Models - Copeland/575V (cont.)

Please consult AWEF table on page 41 to confirm DOE compliance per model

Model	Compressor	Remote Loads: Two Contactors															
		Compressor						Air Defrost		Low Amps "2L"				High Amps "2H"			
		RLA	LRA	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		
BCV0120LEACD	4DBNF54KE	15.6	106	2	2.7	22.2	35	10	24	32.2	45	10	32	40.0	45		
BCV0150LEACD	4DHNF63KE	18.8	113	2	2.7	26.2	40	12	26	38.2	50	12	38	47.5	50		
BCV0220LEACD	4DJNF76KE	26.1	135	2	2.7	35.3	60	12	38	47.5	70	12	43	53.8	70		
BCV0270LEACD	6DHNF93KE	29.2	172	2	2.7	39.2	60	12	38	51.2	80	12	51	63.8	80		
BCV0300LEACD	6DJNF11ME	35.5	200	2	0.9	45.2	80	12	48	60.0	90	12	64	80.0	90		
BCV0400LEACD	6DUNF13ME	48.0	335.2	3	8.0	67.9	110	12	48	79.9	125	12	64	80.0	125		

Model	Compressor	Remote Loads: One Contactor															
		Compressor						Air Defrost		Low Amps "1L"				High Amps "1H"			
		RLA	LRA	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		
BCV0120LEACD	4DBNF54KE	15.6	106	2	2.7	22.2	35	10	16	32.2	45	10	24	32.2	45		
BCV0150LEACD	4DHNF63KE	18.8	113	2	2.7	26.2	40	12	19	38.2	50	12	32	40.0	50		
BCV0220LEACD	4DJNF76KE	26.1	135	2	2.7	35.3	60	12	32	47.3	70	12	38	47.5	70		
BCV0270LEACD	6DHNF93KE	29.2	172	2	2.7	39.2	60	12	32	51.2	80	12	38	51.2	80		
BCV0300LEACD	6DJNF11ME	35.5	200	2	0.9	45.2	80	12	40	57.2	90	12	48	60.0	90		
BCV0400LEACD	6DUNF13ME	48.0	335.2	3	8.0	67.9	110	12	40	79.9	125	12	48	79.9	125		

**Notes:**

A0400 Option code at the end of the model # is IntelliGen™/ Beacon II™

MCA = Minimum Circuit Ampacity

MOP = Maximum Overcurrent Protection

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

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

An evaporator heater hold out relay (option) is recommended when two or more evaporators

are connected to a single (BCV) condensing unit to allow termination on coils that have already

defrosted to prevent unnecessary steaming. This option is not needed on A0400 IntelliGen™/ Beacon II™ systems wired for a Master / Slave operation.

Mounted Electric Defrost Kits for BCV condensing units include:

Defrost timer, terminal strip, (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.

# ELECTRICAL DATA

## Medium Temperature High Efficiency Models - Copeland 208-230V

Please consult AWEF table on page 40 to confirm DOE compliance per model

Model	Compressor	Remote Loads: Four Contactors															
		Compressor						Air Defrost		Low Amps "4L"				High Amps "4H"			
		RLA	LRA	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		
BCV0151M^ACD	3DS3R17ME	53.5	275.0	2	7	73.9	125	25	96	120.0	150	25	108	135.0	150		
BCV0201M^ACD	4DBNR20ME	64.7	374.0	2	14	94.9	150	25	96	120.0	175	25	108	135.0	175		
BCV0251M^ACD	4DHNR22ME	66.8	428.0	3	10.5	94.0	150	25	125	156.3	175	30	181	226.3	250		
BCV0301M^ACD	4DJNR28ME	94.6	470.0	3	21	139.3	225	30	149	186.3	250	30	181	226.3	250		
BCV0351M^ACD	6DHNR35ME	112.3	565.0	4	14	154.4	250	35	160	200.0	300	35	192	240.0	300		
BCV0401M*ACD	6DJNR40ME	128.2	594.0	4	28	188.3	300	35	160	223.3	350	35	192	240.0	350		

Model	Compressor	Remote Loads: Three Contactors															
		Compressor						Air Defrost		Low Amps "3L"				High Amps "3H"			
		RLA	LRA	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		
BCV0151M^ACD	3DS3R17ME	53.5	275.0	2	7	73.9	125	25	80	100.0	150	25	64	98.9	150		
BCV0201M^ACD	4DBNR20ME	64.7	374.0	2	14	94.9	150	20	96	120.0	175	20	96	120.0	175		
BCV0251M^ACD	4DHNR22ME	66.8	428.0	3	10.5	94.0	150	20	96	120.0	175	25	120	150.0	175		
BCV0301M^ACD	4DJNR28ME	94.6	470.0	3	21	139.3	225	25	125	164.3	250	25	125	164.3	250		
BCV0351M^ACD	6DHNR35ME	112.3	565.0	4	14	154.4	250	30	130	184.4	250	35	144	189.4	300		
BCV0401M*ACD	6DJNR40ME	128.2	594.0	4	28	188.3	300	30	130	218.3	300	35	144	223.3	350		

**Notes:**

^ C = 208-230/3/60

\* K = 230/3/60

A0400 Option code at the end of the model # is IntelliGen™/ Beacon II™

MCA = Minimum Circuit Ampacity

MOP = Maximum Overcurrent Protection

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

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

An evaporator heater hold out relay (option) is recommended when two or more evaporators

are connected to a single (BCV) condensing unit to allow termination on coils that have already

defrosted to prevent unnecessary steaming. This option is not needed on A0400 IntelliGen™/ Beacon II™ systems wired for a Master / Slave operation.

Mounted Electric Defrost Kits for BCV condensing units include:

Defrost timer, terminal strip, (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.

# ELECTRICAL DATA

## Medium Temperature High Efficiency Models - Copeland 208-230V (cont.)

Please consult AWEF table on page 40 to confirm DOE compliance per model

Model	Compressor	Remote Loads: Two Contactors															
		Compressor				Condenser		Air Defrost		Low Amps "2L"				High Amps "2H"			
		RLA	LRA	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		
BCV0151M^ACD	3DS3R17ME	53.5	275.0	2	7	73.9	125	25	80	100.0	150	25	96	120.0	150		
BCV0201M^ACD	4DBNR20ME	64.7	374.0	2	14	94.9	150	20	80	114.9	175	20	96	120.0	175		
BCV0251M^ACD	4DHNR22ME	66.8	428.0	3	10.5	94.0	150	-	-	-	-	-	-	-	-		
BCV0301M^ACD	4DJNR28ME	94.6	470.0	3	21	139.3	225	-	-	-	-	-	-	-	-		
BCV0351M^ACD	6DHNR35ME	112.3	565.0	4	14	154.4	250	-	-	-	-	-	-	-	-		
BCV0401M*ACD	6DJNR40ME	128.2	594.0	4	28	188.3	300	-	-	-	-	-	-	-	-		

### Notes:

^ C = 208-230/3/60

\* K = 230/3/60

A0400 Option code at the end of the model # is IntelliGen™/ Beacon II™

MCA = Minimum Circuit Ampacity

MOP = Maximum Overcurrent Protection

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

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

An evaporator heater hold out relay (option) is recommended when two or more evaporators

are connected to a single (BCV) condensing unit to allow termination on coils that have already

defrosted to prevent unnecessary steaming. This option is not needed on A0400 IntelliGen™/ Beacon II™ systems wired for a Master / Slave operation.

Mounted Electric Defrost Kits for BCV condensing units include:

Defrost timer, terminal strip, (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.

# ELECTRICAL DATA

## Medium Temperature High Efficiency Models - Copeland 460V

Please consult AWEF table on page 40 to confirm DOE compliance per model

Model	Compressor	Remote Loads: Four Contactors																	
		Compressor						Condenser		Air Defrost		Low Amps "4L"				High Amps "4H"			
		RLA	LRA	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				
BCV0151MAACD	3DS3R17ME	26.0	138.0	2	3.4	35.9	60	15	48	60.0	70	15	64	80.0	80				
BCV0201MAACD	4DBNR20ME	32.4	187.0	2	7	47.5	70	15	48	62.5	90	15	64	80.0	90				
BCV0251MAACD	4DHNR22ME	33.4	214.0	3	5.1	46.8	80	20	64	80.0	100	20	96	120.0	125				
BCV0301MAACD	4DJNR28ME	47.3	235.0	3	10.5	69.6	110	20	64	89.6	125	20	96	120.0	125				
BCV0351MAACD	6DHNR35ME	56.2	283.0	4	6.8	77.0	125	20	64	97.0	150	20	96	120.0	150				
BCV0401MAACD	6DJNR40ME	64.1	297.0	4	14	94.1	150	20	64	114.1	175	20	96	120.0	175				

Model	Compressor	Remote Loads: Three Contactors																	
		Compressor						Condenser		Air Defrost		Low Amps "3L"				High Amps "3H"			
		RLA	LRA	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				
BCV0151MAACD	3DS3R17ME	26.0	138.0	2	3.4	35.9	60	15	48	60.0	70	15	64	80.0	80				
BCV0201MAACD	4DBNR20ME	32.4	187.0	2	7	47.5	70	15	48	62.5	90	15	64	80.0	90				
BCV0251MAACD	4DHNR22ME	33.4	214.0	3	5.1	46.8	80	15	64	80.0	90	20	80	100.0	100				
BCV0301MAACD	4DJNR28ME	47.3	235.0	3	10.5	69.6	110	20	80	100.0	125	20	80	100.0	125				
BCV0351MAACD	6DHNR35ME	56.2	283.0	4	6.8	77.0	125	20	64	97.0	150	20	96	120.0	150				
BCV0401MAACD	6DJNR40ME	64.1	297.0	4	14	94.1	150	20	80	114.1	175	20	80	114.1	175				

**Notes:**

Λ D = 460/3/60  
 A0400 Option code at the end of the model # is IntelliGen™/ Beacon II™  
 MCA = Minimum Circuit Ampacity  
 MOP = Maximum Overcurrent Protection  
 IntelliGen™/ Beacon II™ and Air Defrost Units do not carry any of the evaporator fan or heater loads.  
 Power is supplied directly to the evaporators and does not go through the condensing unit.  
 An evaporator heater hold out relay (option) is recommended when two or more evaporators are connected to a single (BCV) condensing unit to allow termination on coils that have already defrosted to prevent unnecessary steaming. This option is not needed on A0400 IntelliGen™/ Beacon II™ systems wired for a Master / Slave operation.  
 Mounted Electric Defrost Kits for BCV condensing units include:  
 Defrost timer, terminal strip, (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.

# ELECTRICAL DATA

## Medium Temperature High Efficiency Models - Copeland 460V (cont.)

Please consult AWEF table on page 40 to confirm DOE compliance per model

Model	Compressor	Remote Loads: Two Contactors															
		Compressor						Air Defrost		Low Amps "2L"				High Amps "2H"			
		RLA	LRA	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		
BCV0151MAACD	3DS3R17ME	26.0	138.0	2	3.4	35.9	60	15	48	60.0	70	15	64	80.0	80		
BCV0201MAACD	4DBNR20ME	32.4	187.0	2	7	47.5	70	15	48	62.5	90	15	64	80.0	90		
BCV0251MAACD	4DHNR22ME	33.4	214.0	3	5.1	46.8	80	15	48	61.8	90	15	80	100.0	100		
BCV0301MAACD	4DJNR28ME	47.3	235.0	3	10.5	69.6	110	15	80	100.0	125	20	96	120.0	125		
BCV0351MAACD	6DHNR35ME	56.2	283.0	4	6.8	77.0	125	20	80	100.0	150	20	96	120.0	150		
BCV0401MAACD	6DJNR40ME	64.1	297.0	4	14	94.1	150	20	80	114.1	175	20	96	120.0	175		

Model	Compressor	Remote Loads: One Contactor															
		Compressor						Air Defrost		Low Amps "1L"				High Amps "1H"			
		RLA	LRA	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		
BCV0151MAACD	3DS3R17ME	26.0	138.0	2	3.4	35.9	60	15	40	50.9	70	15	48	60.0	70		
BCV0201MAACD	4DBNR20ME	32.4	187.0	2	7	47.5	70	15	40	62.5	90	15	48	62.5	90		
BCV0251MAACD	4DHNR22ME	33.4	214.0	3	5.1	46.8	80	-	-	-	-	-	-	-	-		
BCV0301MAACD	4DJNR28ME	47.3	235.0	3	10.5	69.6	110	-	-	-	-	-	-	-	-		
BCV0351MAACD	6DHNR35ME	56.2	283.0	4	6.8	77.0	125	-	-	-	-	-	-	-	-		
BCV0401MAACD	6DJNR40ME	64.1	297.0	4	14	94.1	150	-	-	-	-	-	-	-	-		

**Notes:**

Λ D = 460/3/60

A0400 Option code at the end of the model # is IntelliGen™/ Beacon II™

MCA = Minimum Circuit Ampacity

MOP = Maximum Overcurrent Protection

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

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

An evaporator heater hold out relay (option) is recommended when two or more evaporators are connected to a single (BCV) condensing unit to allow termination on coils that have already defrosted to prevent unnecessary steaming. This option is not needed on A0400 IntelliGen™/ Beacon II™ systems wired for a Master / Slave operation.

Mounted Electric Defrost Kits for BCV condensing units include:

Defrost timer, terminal strip, (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.

# ELECTRICAL DATA

## Medium Temperature High Efficiency Models - Copeland 575V

Please consult AWEF table on page 40 to confirm DOE compliance per model

Model	Compressor	Remote Loads: Four Contactors															
		Compressor						Air Defrost		Low Amps "4L"				High Amps "4H"			
		RLA	LRA	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		
BCV0151MEACD	3DS3R17ME	21.2	110	2	2.7	29.2	50	12	40	50.0	60	12	51	63.8	70		
BCV0201MEACD	4DBNR20ME	28.2	135	2	5.6	40.9	60	12	44	55.0	80	12	51	63.8	80		
BCV0251MEACD	4DHNR22ME	29.9	172	3	4.1	41.4	70	16	51	63.8	80	16	71	88.8	90		
BCV0301MEACD	4DJNR28ME	39.6	200	3	8.4	57.9	90	16	64	80.0	110	16	77	96.3	110		
BCV0351MEACD	6DHNR35ME	36.5	230	4	11.2	56.9	90	16	64	80.0	100	16	77	96.3	100		
BCV0401MEACD	6DJNR40ME	46.2	245	4	11.2	68.9	110	16	64	84.9	125	16	77	96.3	125		

Model	Compressor	Remote Loads: Three Contactors															
		Compressor						Air Defrost		Low Amps "3L"				High Amps "3H"			
		RLA	LRA	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		
BCV0151MEACD	3DS3R17ME	21.2	110	2	2.7	29.2	50	12	40	50.0	60	12	48	60.0	60		
BCV0201MEACD	4DBNR20ME	28.2	135	2	5.6	40.9	60	12	42	52.9	80	12	48	60.0	80		
BCV0251MEACD	4DHNR22ME	29.9	172	3	4.1	41.4	70	12	51	63.8	80	12	64	80.0	80		
BCV0301MEACD	4DJNR28ME	39.6	200	3	8.4	57.9	90	16	64	80.0	110	16	77	96.3	110		
BCV0351MEACD	6DHNR35ME	36.5	230	4	11.2	56.9	90	16	64	80.0	100	16	77	96.3	100		
BCV0401MEACD	6DJNR40ME	46.2	245	4	11.2	68.9	110	16	64	84.9	125	16	77	96.3	125		

**Notes:**

A0400 Option code at the end of the model # is IntelliGen™/ Beacon II™

MCA = Minimum Circuit Ampacity

MOP = Maximum Overcurrent Protection

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

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

An evaporator heater hold out relay (option) is recommended when two or more evaporators are connected to a single (BCV) condensing unit to allow termination on coils that have already defrosted to prevent unnecessary steaming. This option is not needed on A0400 IntelliGen™/ Beacon II™ systems wired for a Master / Slave operation.

Mounted Electric Defrost Kits for BCV condensing units include:

Defrost timer, terminal strip, (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.

# ELECTRICAL DATA

## Medium Temperature High Efficiency Models - Copeland 575V (cont.)

Please consult AWEF table on page 40 to confirm DOE compliance per model

Model	Compressor	Remote Loads: Two Contactors															
		Compressor						Air Defrost		Low Amps "2L"				High Amps "2H"			
		RLA	LRA	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		
BCV0151MEACD	3DS3R17ME	21.2	110	2	2.7	29.2	50	12	38	47.5	60	12	42	52.5	60		
BCV0201MEACD	4DBNR20ME	28.2	135	2	5.6	40.9	60	12	38	52.9	80	12	42	52.9	80		
BCV0251MEACD	4DHNR22ME	29.9	172	3	4.1	41.4	70	12	38	53.4	80	12	64	80.0	80		
BCV0301MEACD	4DJNR28ME	39.6	200	3	8.4	57.9	90	12	48	69.9	100	16	77	96.3	110		
BCV0351MEACD	6DHNR35ME	36.5	230	4	11.2	56.9	90	16	48	72.9	100	16	77	96.3	100		
BCV0401MEACD	6DJNR40ME	46.2	245	4	11.2	68.9	110	16	48	84.9	125	16	77	96.3	125		

Model	Compressor	Remote Loads: One Contactor															
		Compressor						Air Defrost		Low Amps "1L"				High Amps "1H"			
		RLA	LRA	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		
BCV0151MEACD	3DS3R17ME	21.2	110	2	2.7	29.2	50	12	32	41.2	60	12	38	47.5	60		
BCV0201MEACD	4DBNR20ME	28.2	135	2	5.6	40.9	60	12	32	52.9	80	12	38	52.9	80		
BCV0251MEACD	4DHNR22ME	29.9	172	3	4.1	41.4	-	-	-	-	-	-	-	-	-		
BCV0301MEACD	4DJNR28ME	39.6	200	3	8.4	57.9	-	-	-	-	-	-	-	-	-		
BCV0351MEACD	6DHNR35ME	36.5	230	4	11.2	56.9	-	-	-	-	-	-	-	-	-		
BCV0401MEACD	6DJNR40ME	46.2	245	4	11.2	68.9	-	-	-	-	-	-	-	-	-		

### Notes:

A0400 Option code at the end of the model # is IntelliGen™/ Beacon II™

MCA = Minimum Circuit Ampacity

MOP = Maximum Overcurrent Protection

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

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

An evaporator heater hold out relay (option) is recommended when two or more evaporators

are connected to a single (BCV) condensing unit to allow termination on coils that have already

defrosted to prevent unnecessary steaming. This option is not needed on A0400 IntelliGen™/ Beacon II™ systems wired for a Master / Slave operation.

Mounted Electric Defrost Kits for BCV condensing units include:

Defrost timer, terminal strip, (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.

## AWEF DATA – MEDIUM TEMPERATURE

### 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
BCV0150M\ACD	7.60	7.60	7.60	7.60	7.60	7.60
BCV0200M\ACD	7.60	7.60	7.60	7.60	7.60	7.60
BCV0250M\ACD	7.60	7.60	7.60	7.60	7.60	7.60
BCV0260M\ACD	7.60	7.60	7.60	7.60	7.60	7.60
BCV0300M\ACD	7.60	7.60	7.60	7.60	7.60	7.60
BCV0350M\ACD	7.60	7.60	7.60	-	-	7.60
BCV0400M*\ACD	-	7.60	7.60	7.60	-	7.60
BCV0500M\DACD	-	7.60	7.60	7.60	7.60	7.60
BCV0151M\ACD	7.60	7.60	7.60	7.60	7.60	7.60
BCV0201M\ACD	7.60	-	-	-	-	7.60
BCV0251M\ACD	7.60	7.60	7.60	7.60	7.60	7.60
BCV0301M\ACD	-	-	-	-	-	-
BCV0351M\ACD	7.60	7.60	7.60	7.60	7.60	7.60
BCV0401M*\ACD	-	-	-	-	-	7.60

## AWEF DATA – MEDIUM TEMPERATURE

### 575V 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
BCV0150MEACD	7.60	7.60	7.60	7.60	7.60	7.60
BCV0200MEACD	-	-	-	-	-	7.60
BCV0250MEACD	7.60	-	-	-	-	7.60
BCV0260MEACD	7.60	7.60	7.60	7.60	7.60	7.60
BCV0300MEACD	-	-	-	-	-	7.60
BCV0350MEACD	7.60	7.60	7.60	-	-	7.60
BCV0400MEACD	-	7.60	7.60	7.60	-	7.60
BCV0500MEACD	-	7.60	7.60	7.60	7.60	7.60
BCV0151MEACD	7.60	7.60	7.60	7.60	7.60	7.60
BCV0201MEACD	7.60	-	-	-	-	7.60
BCV0251MEACD	7.60	7.60	7.60	7.60	7.60	7.60
BCV0301MEACD	-	-	-	-	-	-
BCV0351MEACD	7.60	-	-	-	-	-
BCV0401MEACD	-	-	-	-	-	7.60

#### Notes:

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

\* K = 230/3/60

X = model not suitable for this refrigerant

— = model is not DOE AWEF compliant



# AWEF DATA – LOW TEMPERATURE

## 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
BCV0120LACD	3.15	3.15	3.15	3.15	3.15	3.15
BCV0150LACD	3.15	3.15	3.15	-	-	3.15
BCV0220LACD	3.15	3.15	3.15	3.15	3.15	3.15
BCV0270LACD	3.15	-	-	-	-	3.15
BCV0300LACD	-	3.15	3.15	-	-	3.15
BCV0400L+ACD	-	3.15	-	-	3.15	-

**Notes:**

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

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

X = model not suitable for this refrigerant

— = model is not DOE AWEF compliant

# PERFORMANCE DATA – R-404A/R-507A

## Medium Temperature Models - Bitzer Compressors

Please consult AWEF table on page 63 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
BCV0150M <sup>^</sup> ABX	4PES-15Y	189,360	173,520	158,000	143,410	129,580	116,380	103,850	81,850	63,180	47,570
BCV0200M <sup>^</sup> ABX	4NES-20Y	215,980	198,950	182,350	166,040	150,750	136,250	122,490	97,450	76,320	58,430
BCV0220M <sup>^</sup> ABX	4JE-22Y	234,830	217,970	200,540	183,460	166,930	151,450	136,840	109,470	85,970	65,780
BCV0250M <sup>^</sup> ABX	4HE-25Y	267,480	248,910	230,820	212,060	194,000	176,250	159,790	129,150	102,290	79,200
BCV0300M <sup>^</sup> ABX	4GE-30Y	326,150	301,390	277,290	253,610	231,110	210,150	189,620	152,650	120,820	93,440
BCV0330M <sup>^</sup> ABX	6JE-33Y	358,800	330,940	303,730	276,760	251,630	227,510	204,870	163,240	127,810	97,590
BCV0350M <sup>^</sup> ABX	6HE-35Y	402,260	374,340	345,570	316,720	288,980	262,970	237,970	192,030	151,790	117,300
BCV0400M <sup>^</sup> ABX	6GE-40Y	468,100	433,880	400,270	366,870	335,400	305,230	276,420	223,010	176,890	137,120
BCV0500M <sup>^</sup> 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									
New Model	Compressor	40°F	35°F	30°F	25°F	20°F	15°F	10°F	0°F	-10°F	-20°F
BCV0150M <sup>^</sup> ABX	4PES-15Y	180,030	164,700	150,280	136,360	123,070	110,430	98,690	77,540	59,610	44,710
BCV0200M <sup>^</sup> ABX	4NES-20Y	204,670	189,200	173,480	158,270	143,470	129,560	116,410	92,700	72,370	55,200
BCV0220M <sup>^</sup> ABX	4JE-22Y	222,980	206,590	190,120	174,480	158,780	144,070	130,100	103,930	81,430	62,060
BCV0250M <sup>^</sup> ABX	4HE-25Y	253,540	236,140	219,070	201,520	184,060	167,650	151,990	122,880	97,240	75,030
BCV0300M <sup>^</sup> ABX	4GE-30Y	309,960	286,680	263,910	241,790	220,160	200,150	180,610	145,500	114,930	88,720
BCV0330M <sup>^</sup> ABX	6JE-33Y	341,530	315,160	289,220	263,700	239,740	217,010	194,800	155,270	121,070	91,960
BCV0350M <sup>^</sup> ABX	6HE-35Y	381,760	355,710	327,930	301,260	274,980	250,320	226,840	182,560	144,210	111,120
BCV0400M <sup>^</sup> ABX	6GE-40Y	444,500	412,470	380,540	349,110	319,340	291,030	263,350	212,380	168,330	130,230
BCV0500M <sup>^</sup> 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
BCV0150M <sup>^</sup> ABX	4PES-15Y	170,650	156,190	142,510	129,190	116,620	104,600	93,450	73,250	56,110	41,890
BCV0200M <sup>^</sup> ABX	4NES-20Y	194,470	179,360	164,530	149,850	136,120	123,080	110,530	87,840	68,450	52,050
BCV0220M <sup>^</sup> ABX	4JE-22Y	210,930	195,660	180,530	165,410	150,550	136,620	123,290	98,360	76,900	58,290
BCV0250M <sup>^</sup> ABX	4HE-25Y	239,510	223,140	207,330	190,970	174,620	158,910	144,090	116,600	92,060	70,860
BCV0300M <sup>^</sup> ABX	4GE-30Y	293,680	271,810	250,360	228,900	209,040	190,030	171,580	138,150	109,010	83,940
BCV0330M <sup>^</sup> ABX	6JE-33Y	324,050	299,210	274,610	250,450	227,480	206,040	184,930	147,090	114,330	86,420
BCV0350M <sup>^</sup> ABX	6HE-35Y	361,090	335,390	310,660	285,580	260,800	237,510	215,250	173,130	136,560	104,920
BCV0400M <sup>^</sup> ABX	6GE-40Y	420,830	390,450	360,640	331,090	302,970	276,330	249,630	201,630	159,690	123,290
BCV0500M <sup>^</sup> ABX	6FE-50Y	485,390	454,040	423,210	391,180	358,850	328,700	299,330	243,910	194,090	150,340

### Notes:

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

A0400 Option code at the end of the model # is IntelliGen™/ Beacon II™

For 50 cycle capacity, multiply values by .86

# PERFORMANCE DATA – R-404A/R-507A

## Medium Temperature Models - Bitzer Compressors (cont.)

Please consult AWEF table on page 63 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
BCV0150M <sup>^</sup> ABX	4PES-15Y	151,810	138,980	126,910	114,980	103,690	93,110	82,980	64,740	49,220	36,370
BCV0200M <sup>^</sup> ABX	4NES-20Y	172,790	159,530	146,440	133,520	121,520	109,580	98,390	78,160	60,640	45,830
BCV0220M <sup>^</sup> ABX	4JE-22Y	-	174,040	160,410	146,740	133,970	121,760	109,670	87,390	67,850	50,940
BCV0250M <sup>^</sup> ABX	4HE-25Y	-	-	183,780	169,130	154,670	141,260	128,380	103,470	81,680	62,550
BCV0300M <sup>^</sup> ABX	4GE-30Y	260,830	241,640	222,600	204,040	186,660	169,640	153,050	123,300	97,090	74,470
BCV0330M <sup>^</sup> ABX	6JE-33Y	288,610	266,670	245,060	223,270	203,190	183,590	164,900	130,750	100,930	75,430
BCV0350M <sup>^</sup> ABX	6HE-35Y	-	298,190	275,810	253,900	232,110	211,530	191,700	154,040	121,200	92,500
BCV0400M <sup>^</sup> ABX	6GE-40Y	372,580	346,420	320,490	294,430	269,780	245,940	222,680	180,000	142,150	109,200
BCV0500M <sup>^</sup> ABX	6FE-50Y	-	-	373,770	346,020	318,140	291,940	266,580	216,890	172,740	133,210

**Notes:**

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

A0400 Option code at the end of the model # is IntelliGen™/ Beacon II™

For 50 cycle capacity, multiply values by .86

# PERFORMANCE DATA – R-448A/R-449A

## Medium Temperature Models - Bitzer Compressors

Please consult AWEF table on page 63 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
BCV0150M <sup>Λ</sup> ABX	4PES-15Y	185,950	167,980	150,950	135,100	120,130	106,470	93,980	72,170	54,280	39,700
BCV0200M <sup>Λ</sup> ABX	4NES-20Y	215,390	195,190	176,270	158,410	141,710	126,320	111,990	86,950	66,350	49,370
BCV0220M <sup>Λ</sup> ABX	4JE-22Y	236,480	215,060	195,000	175,910	157,910	141,310	125,520	97,760	74,710	55,350
BCV0250M <sup>Λ</sup> ABX	4HE-25Y	272,520	249,170	226,290	204,950	184,690	165,720	148,090	116,230	89,630	67,190
BCV0300M <sup>Λ</sup> ABX	4GE-30Y	324,280	295,650	268,220	242,270	218,040	195,250	174,170	136,730	105,490	79,270
BCV0330M <sup>Λ</sup> ABX	6JE-33Y	357,290	324,680	293,500	264,050	236,680	210,910	187,070	145,350	110,700	81,880
BCV0350M <sup>Λ</sup> ABX	6HE-35Y	407,260	371,350	337,460	305,130	274,600	246,060	219,460	172,100	132,600	99,440
BCV0400M <sup>Λ</sup> ABX	6GE-40Y	468,360	428,060	389,160	352,180	317,550	284,770	254,150	200,070	154,760	116,520
BCV0500M <sup>Λ</sup> 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
BCV0150M <sup>Λ</sup> ABX	4PES-15Y	178,450	161,140	144,700	129,370	114,880	101,740	89,690	68,620	51,400	37,370
BCV0200M <sup>Λ</sup> ABX	4NES-20Y	206,940	187,480	169,260	152,030	136,050	121,040	107,270	83,060	63,180	46,820
BCV0220M <sup>Λ</sup> ABX	4JE-22Y	227,130	206,500	187,160	168,760	151,300	135,280	120,100	93,260	70,990	52,230
BCV0250M <sup>Λ</sup> ABX	4HE-25Y	261,540	239,150	217,160	196,630	177,150	158,890	141,900	111,160	85,490	63,830
BCV0300M <sup>Λ</sup> ABX	4GE-30Y	311,450	283,970	257,620	232,650	209,330	187,180	166,930	130,960	100,850	75,560
BCV0330M <sup>Λ</sup> ABX	6JE-33Y	343,630	312,250	282,160	253,670	227,180	202,220	179,210	138,650	105,150	77,280
BCV0350M <sup>Λ</sup> ABX	6HE-35Y	391,240	356,730	324,170	293,060	263,430	236,250	210,410	164,650	126,490	94,430
BCV0400M <sup>Λ</sup> ABX	6GE-40Y	449,780	411,120	373,800	338,260	304,900	273,340	243,940	191,720	147,970	111,010
BCV0500M <sup>Λ</sup> 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
BCV0150M <sup>Λ</sup> ABX	4PES-15Y	170,990	154,300	138,460	123,680	109,880	97,030	85,440	65,120	48,550	35,070
BCV0200M <sup>Λ</sup> ABX	4NES-20Y	198,510	179,770	162,230	145,660	130,260	115,780	102,400	79,150	60,050	44,310
BCV0220M <sup>Λ</sup> ABX	4JE-22Y	217,750	198,290	179,320	161,480	144,800	129,330	114,600	88,850	67,270	49,160
BCV0250M <sup>Λ</sup> ABX	4HE-25Y	250,510	229,100	207,980	188,330	169,590	152,020	135,570	106,060	81,330	60,460
BCV0300M <sup>Λ</sup> ABX	4GE-30Y	298,550	272,210	246,930	222,960	200,520	179,240	159,710	125,170	96,170	71,830
BCV0330M <sup>Λ</sup> ABX	6JE-33Y	330,580	299,790	270,790	243,270	217,670	193,520	171,150	132,010	99,610	72,670
BCV0350M <sup>Λ</sup> ABX	6HE-35Y	375,190	342,030	310,830	280,760	252,500	226,240	201,350	157,180	120,350	89,380
BCV0400M <sup>Λ</sup> ABX	6GE-40Y	431,110	394,050	358,300	324,190	292,220	261,860	233,640	183,230	141,070	105,420
BCV0500M <sup>Λ</sup> 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  
<sup>Λ</sup> C = 208-230/3/60, D = 460/3/60  
 A0400 Option code at the end of the model # is IntelliGen™/ Beacon II™  
 For 50 cycle capacity, multiply values by .86

# PERFORMANCE DATA – R-448A/R-449A

## Medium Temperature Models - Bitzer Compressors (cont.)

Please consult AWEF table on page 63 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
BCV0150M <sup>^</sup> ABX	4PES-15Y	156,150	140,780	126,290	112,360	99,500	87,820	77,000	58,250	42,940	30,590
BCV0200M <sup>^</sup> ABX	4NES-20Y	-	-	148,350	133,060	118,810	105,320	92,990	71,540	53,830	39,360
BCV0220M <sup>^</sup> ABX	4JE-22Y	-	-	-	147,240	131,800	117,440	103,940	79,900	59,860	43,030
BCV0250M <sup>^</sup> ABX	4HE-25Y	-	-	-	-	154,310	138,190	123,100	95,840	73,020	53,720
BCV0300M <sup>^</sup> ABX	4GE-30Y	-	-	225,550	203,730	182,830	163,490	145,310	113,520	86,790	64,280
BCV0330M <sup>^</sup> ABX	6JE-33Y	-	-	247,940	222,440	198,320	175,980	155,190	118,790	88,590	63,490
BCV0350M <sup>^</sup> ABX	6HE-35Y	-	-	-	-	230,440	206,190	182,960	142,160	108,000	79,220
BCV0400M <sup>^</sup> ABX	6GE-40Y	-	-	327,210	295,980	266,630	238,450	212,520	166,180	127,070	93,950
BCV0500M <sup>^</sup> 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*

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

A0400 Option code at the end of the model # is IntelliGen™/ Beacon II™

For 50 cycle capacity, multiply values by .86

# PERFORMANCE DATA – R-407A/R-407F

## Medium Temperature Models - Bitzer Compressors

Please consult AWEF table on page 63 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
BCV0150M <sup>Λ</sup> ABX	4PES-15Y	187,720	170,420	153,860	138,400	123,480	109,960	97,280	75,110	56,520	40,910
BCV0200M <sup>Λ</sup> ABX	4NES-20Y	214,480	195,060	176,860	159,550	143,230	128,070	113,690	88,470	67,230	49,300
BCV0220M <sup>Λ</sup> ABX	4JE-22Y	233,700	213,180	193,140	174,390	156,680	140,240	124,490	96,370	72,650	52,220
BCV0250M <sup>Λ</sup> ABX	4HE-25Y	265,710	242,770	220,560	199,090	179,000	160,180	142,600	110,480	83,300	59,980
BCV0300M <sup>Λ</sup> ABX	4GE-30Y	325,660	297,010	269,430	243,160	218,710	195,500	173,840	135,440	102,830	75,030
BCV0330M <sup>Λ</sup> ABX	6JE-33Y	355,920	323,750	293,610	264,850	237,580	212,330	188,430	145,780	109,630	78,750
BCV0350M <sup>Λ</sup> ABX	6HE-35Y	410,300	375,240	340,800	308,340	277,740	248,900	221,930	172,860	131,280	95,640
BCV0400M <sup>Λ</sup> ABX	6GE-40Y	482,990	440,440	400,280	361,950	325,600	291,770	259,370	202,180	153,660	112,130
BCV0500M <sup>Λ</sup> 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
BCV0150M <sup>Λ</sup> ABX	4PES-15Y	179,870	163,220	147,290	132,370	118,070	104,950	92,840	71,370	53,410	38,450
BCV0200M <sup>Λ</sup> ABX	4NES-20Y	205,540	186,860	169,390	152,730	136,990	122,400	108,680	84,250	63,780	46,530
BCV0220M <sup>Λ</sup> ABX	4JE-22Y	223,800	204,090	184,810	166,770	149,700	133,810	118,540	91,640	68,680	49,030
BCV0250M <sup>Λ</sup> ABX	4HE-25Y	254,320	232,270	210,950	190,560	170,950	152,810	135,840	104,880	78,730	56,220
BCV0300M <sup>Λ</sup> ABX	4GE-30Y	312,580	284,980	258,450	233,150	209,530	186,940	166,220	129,180	97,720	70,880
BCV0330M <sup>Λ</sup> ABX	6JE-33Y	341,010	310,070	281,060	253,270	227,080	202,680	179,630	138,490	103,650	73,940
BCV0350M <sup>Λ</sup> ABX	6HE-35Y	393,150	359,490	326,980	295,210	265,760	237,970	211,950	164,620	124,580	90,260
BCV0400M <sup>Λ</sup> ABX	6GE-40Y	463,310	422,450	383,850	346,910	311,910	279,160	248,110	192,960	146,000	106,020
BCV0500M <sup>Λ</sup> 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
BCV0150M <sup>Λ</sup> ABX	4PES-15Y	171,990	156,020	140,700	126,340	112,680	99,940	88,320	67,650	50,360	36,000
BCV0200M <sup>Λ</sup> ABX	4NES-20Y	196,570	178,670	161,890	145,910	130,970	116,710	103,440	80,030	60,360	43,790
BCV0220M <sup>Λ</sup> ABX	4JE-22Y	213,930	195,010	176,450	159,160	142,720	127,420	112,820	86,830	64,740	45,860
BCV0250M <sup>Λ</sup> ABX	4HE-25Y	242,910	221,810	201,360	181,780	162,920	145,480	129,090	99,290	74,170	52,560
BCV0300M <sup>Λ</sup> ABX	4GE-30Y	299,440	272,960	247,380	223,140	200,360	178,710	158,620	122,930	92,640	66,830
BCV0330M <sup>Λ</sup> ABX	6JE-33Y	326,090	296,370	268,500	241,800	216,940	193,070	170,750	131,260	97,740	69,180
BCV0350M <sup>Λ</sup> ABX	6HE-35Y	375,980	343,780	312,610	282,150	253,790	227,390	201,920	156,450	117,940	84,940
BCV0400M <sup>Λ</sup> ABX	6GE-40Y	443,640	404,460	367,390	331,940	298,130	266,670	236,910	183,610	138,410	99,950
BCV0500M <sup>Λ</sup> 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 via CIC is Required

<sup>Λ</sup> C = 208-230/3/60, D = 460/3/60

A0400 Option code at the end of the model # is IntelliGen™/ Beacon II™

For 50 cycle capacity, multiply values by .86

# PERFORMANCE DATA – R-407A/R-407F

## Medium Temperature Models - Bitzer Compressors (cont.)

Please consult AWEF table on page 63 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
BCV0150M <sup>Λ</sup> ABX	4PES-15Y	156,280	141,640	127,780	114,150	101,670	90,110	79,310	60,250	44,330	31,190
BCV0200M <sup>Λ</sup> ABX	4NES-20Y	-	-	146,960	132,290	118,530	105,320	93,180	71,680	53,510	38,360
BCV0220M <sup>Λ</sup> ABX	4JE-22Y	-	-	-	144,080	128,930	114,780	101,290	77,370	56,950	39,660
BCV0250M <sup>Λ</sup> ABX	4HE-25Y	-	-	-	-	147,030	131,180	115,720	88,500	65,260	45,410
BCV0300M <sup>Λ</sup> ABX	4GE-30Y	-	-	225,510	203,490	182,140	162,370	143,560	110,640	82,650	58,880
BCV0330M <sup>Λ</sup> ABX	6JE-33Y	-	-	243,600	219,030	196,030	174,000	153,400	116,990	86,100	59,860
BCV0350M <sup>Λ</sup> ABX	6HE-35Y	-	-	-	-	230,100	205,760	182,130	140,310	104,820	74,500
BCV0400M <sup>Λ</sup> ABX	6GE-40Y	-	-	-	302,070	271,270	241,600	214,260	165,200	123,460	88,060
BCV0500M <sup>Λ</sup> 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 via CIC is Required

<sup>Λ</sup> C = 208-230/3/60, D = 460/3/60

A0400 Option code at the end of the model # is IntelliGen™/ Beacon II™

For 50 cycle capacity, multiply values by .86

# PERFORMANCE DATA – R-407C

## Medium Temperature Models - Bitzer Compressors

Please consult AWEF table on page 63 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
BCV0150M <sup>Λ</sup> ABX	4PES-15Y	169,460	152,840	137,430	123,100	109,570	97,280	85,780	65,630	48,370	-
BCV0200M <sup>Λ</sup> ABX	4NES-20Y	194,600	176,320	158,750	142,590	127,500	113,490	100,490	77,480	57,770	-
BCV0220M <sup>Λ</sup> ABX	4JE-22Y	215,710	195,330	175,930	157,460	140,450	124,650	109,970	83,630	61,110	-
BCV0250M <sup>Λ</sup> ABX	4HE-25Y	251,190	228,100	206,020	184,950	165,450	147,330	130,460	99,970	73,650	-
BCV0300M <sup>Λ</sup> ABX	4GE-30Y	305,860	277,560	250,600	225,430	201,590	179,560	159,000	122,710	91,490	-
BCV0330M <sup>Λ</sup> ABX	6JE-33Y	318,280	288,320	259,880	233,150	208,310	185,210	163,700	125,930	93,530	-
BCV0350M <sup>Λ</sup> ABX	6HE-35Y	370,300	335,910	303,730	273,360	245,180	218,590	193,840	150,030	112,630	-
BCV0400M <sup>Λ</sup> ABX	6GE-40Y	442,230	401,950	363,580	327,800	293,830	262,240	233,290	181,610	137,510	-
BCV0500M <sup>Λ</sup> 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
BCV0150M <sup>Λ</sup> ABX	4PES-15Y	162,460	146,690	131,800	117,940	104,860	93,040	81,930	62,480	45,870	-
BCV0200M <sup>Λ</sup> ABX	4NES-20Y	186,970	169,300	152,350	136,740	122,200	108,690	96,230	73,930	54,970	-
BCV0220M <sup>Λ</sup> ABX	4JE-22Y	207,250	187,600	168,830	150,970	134,670	119,330	104,950	79,560	57,780	-
BCV0250M <sup>Λ</sup> ABX	4HE-25Y	241,570	219,280	197,970	177,850	158,740	141,190	124,860	95,400	-	-
BCV0300M <sup>Λ</sup> ABX	4GE-30Y	294,910	267,560	241,510	217,170	194,070	172,800	152,810	117,600	87,360	-
BCV0330M <sup>Λ</sup> ABX	6JE-33Y	305,850	276,990	249,550	224,020	199,780	177,590	156,720	120,320	89,060	-
BCV0350M <sup>Λ</sup> ABX	6HE-35Y	356,020	322,880	291,870	262,600	235,430	209,680	185,990	143,810	107,700	-
BCV0400M <sup>Λ</sup> ABX	6GE-40Y	426,090	387,300	350,270	315,760	282,920	252,500	224,500	174,670	132,170	-
BCV0500M <sup>Λ</sup> 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
BCV0150M <sup>Λ</sup> ABX	4PES-15Y	155,990	140,530	126,160	112,790	100,260	88,780	78,050	59,340	43,390	-
BCV0200M <sup>Λ</sup> ABX	4NES-20Y	179,290	162,280	146,140	130,890	116,990	103,850	91,860	70,360	52,150	-
BCV0220M <sup>Λ</sup> ABX	4JE-22Y	198,880	179,850	161,770	144,460	128,590	113,920	100,010	75,520	54,480	-
BCV0250M <sup>Λ</sup> ABX	4HE-25Y	231,970	210,460	189,910	170,210	152,050	135,090	119,100	90,850	-	-
BCV0300M <sup>Λ</sup> ABX	4GE-30Y	283,880	257,520	232,360	208,820	186,490	165,840	146,620	112,540	83,170	-
BCV0330M <sup>Λ</sup> ABX	6JE-33Y	293,400	265,600	239,160	214,560	190,940	169,600	149,820	114,640	84,610	-
BCV0350M <sup>Λ</sup> ABX	6HE-35Y	341,750	309,800	279,970	251,610	225,490	200,820	178,120	137,470	102,750	-
BCV0400M <sup>Λ</sup> ABX	6GE-40Y	409,820	372,480	336,850	303,600	272,000	242,930	215,690	167,790	126,790	-
BCV0500M <sup>Λ</sup> ABX	6FE-50Y	472,160	428,530	387,780	349,150	313,250	279,300	247,520	191,640	143,860	-

**Notes:**

<sup>Λ</sup> C = 208-230/3/60, D = 460/3/60

A0400 Option code at the end of the model # is IntelliGen™/ Beacon II™

For 50 cycle capacity, multiply values by .86



# PERFORMANCE DATA – R-407C

## Medium Temperature Models - Bitzer Compressors (cont.)

Please consult AWEF table on page 63 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
BCV0150M^ABX	4PES-15Y	142,280	128,170	114,940	102,300	90,830	80,090	70,240	53,020	38,340	-
BCV0200M^ABX	4NES-20Y	164,020	148,240	133,100	119,170	106,280	94,160	83,060	63,280	-	-
BCV0220M^ABX	4JE-22Y	-	164,440	147,630	131,650	117,080	103,170	90,450	67,600	47,910	-
BCV0250M^ABX	4HE-25Y	-	-	173,750	155,480	138,650	123,100	108,320	81,760	58,920	-
BCV0300M^ABX	4GE-30Y	261,950	237,520	214,120	192,130	171,370	152,120	134,330	102,480	74,990	-
BCV0330M^ABX	6JE-33Y	268,970	242,750	218,290	195,490	173,840	153,840	135,670	103,310	75,690	-
BCV0350M^ABX	6HE-35Y	-	283,350	255,920	229,980	205,850	183,010	161,950	124,740	92,760	-
BCV0400M^ABX	6GE-40Y	377,380	342,940	309,970	279,220	250,010	223,190	198,000	153,800	116,040	-
BCV0500M^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

A0400 Option code at the end of the model # is IntelliGen™/ Beacon II™

For 50 cycle capacity, multiply values by .86

## PERFORMANCE DATA – R-404A/R-507A

### Low Temperature Models - Bitzer Compressors

Please consult AWEF table on page 63 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
BCV0130L/ABX	4JE-15Y	111,700	99,550	88,240	77,820	68,080	59,100	50,830	43,160	36,110
BCV0150L/ABX	4HE-18Y	130,850	116,930	104,020	92,030	80,820	70,460	60,920	52,020	43,840
BCV0200L/ABX	4GE-23Y	150,080	135,040	120,600	107,140	94,550	82,950	72,110	62,060	52,700
BCV0220L/ABX	6JE-25Y	156,840	140,330	125,240	111,010	97,500	85,120	73,610	62,920	52,930
BCV0250L/ABX	6HE-28Y	181,490	163,270	146,260	130,210	114,810	100,460	87,310	74,940	63,430
BCV0300L/ABX	6GE-34Y	206,290	187,800	169,700	152,590	136,200	120,680	105,990	91,950	78,960
BCV0400L/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
BCV0130L/ABX	4JE-15Y	106,180	94,630	83,910	73,820	64,480	55,800	47,880	40,560	33,800
BCV0150L/ABX	4HE-18Y	124,540	111,350	98,920	87,460	76,740	66,810	57,670	49,130	41,290
BCV0200L/ABX	4GE-23Y	142,820	128,550	114,820	101,980	90,060	78,880	68,530	58,910	49,960
BCV0220L/ABX	6JE-25Y	148,940	133,250	118,810	105,050	92,220	80,400	69,370	59,050	49,540
BCV0250L/ABX	6HE-28Y	172,230	154,950	138,800	123,490	108,920	95,060	82,500	70,650	59,550
BCV0300L/ABX	6GE-34Y	195,540	178,190	161,120	144,970	129,440	114,680	100,570	87,250	74,820
BCV0400L/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
BCV0130L/ABX	4JE-15Y	100,840	89,690	79,470	69,830	60,890	52,610	44,980	37,970	31,500
BCV0150L/ABX	4HE-18Y	118,160	105,560	93,790	82,880	72,650	63,160	54,360	46,260	38,760
BCV0200L/ABX	4GE-23Y	135,510	121,980	109,130	96,780	85,460	74,790	64,950	55,770	47,240
BCV0220L/ABX	6JE-25Y	140,870	126,110	112,540	99,360	87,090	75,690	65,140	55,260	46,170
BCV0250L/ABX	6HE-28Y	162,880	146,550	131,280	116,720	102,720	89,790	77,680	66,350	55,720
BCV0300L/ABX	6GE-34Y	184,560	168,420	152,390	137,210	122,790	108,440	95,170	82,590	70,620
BCV0400L/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
BCV0130L/ABX	4JE-15Y	89,750	79,930	70,600	61,870	53,720	46,150	39,250	32,870	26,970
BCV0150L/ABX	4HE-18Y	105,390	94,040	83,650	73,720	64,480	55,820	47,910	40,570	33,770
BCV0200L/ABX	4GE-23Y	120,900	108,810	97,180	86,440	76,200	66,670	57,820	49,560	41,820
BCV0220L/ABX	6JE-25Y	124,640	111,770	99,330	87,610	76,680	66,360	56,690	47,790	39,540
BCV0250L/ABX	6HE-28Y	143,650	129,650	116,350	103,180	90,700	79,000	68,060	57,700	48,120
BCV0300L/ABX	6GE-34Y	-	148,590	134,640	121,410	108,700	96,230	84,250	72,890	62,060
BCV0400L/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

Λ C = 208-230/3/60, D = 460/3/60

A0400 Option code at the end of the model # is IntelliGen™/ Beacon II™

For 50 cycle capacity, multiply values by .86

# PERFORMANCE DATA – R-448A/R-449A

## Low Temperature Models - Bitzer Compressors

Please consult AWEF table on page 63 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
BCV0130L/ABX	4JE-15Y	100,830	88,480	77,320	67,020	57,620	49,050	41,210	34,030	27,430
BCV0150L/ABX	4HE-18Y	118,460	104,430	91,470	79,640	68,760	58,820	49,770	41,390	33,690
BCV0200L/ABX	4GE-23Y	137,410	121,420	106,910	93,420	81,120	69,800	59,460	49,910	41,050
BCV0220L/ABX	6JE-25Y	143,770	126,760	111,160	96,570	83,330	71,210	60,160	49,920	40,520
BCV0250L/ABX	6HE-28Y	167,600	148,280	130,440	113,730	98,450	84,510	71,690	59,860	48,860
BCV0300L/ABX	6GE-34Y	195,570	174,760	155,190	136,860	119,650	103,680	88,960	75,380	62,650
BCV0400L/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
BCV0130L/ABX	4JE-15Y	96,440	84,550	73,760	63,810	54,710	46,380	38,850	31,920	25,550
BCV0150L/ABX	4HE-18Y	113,570	99,950	87,430	76,020	65,520	55,930	47,160	39,110	31,680
BCV0200L/ABX	4GE-23Y	131,790	116,440	102,430	89,440	77,580	66,690	56,720	47,520	38,980
BCV0220L/ABX	6JE-25Y	137,490	121,050	105,930	91,810	79,060	67,360	56,630	46,810	37,760
BCV0250L/ABX	6HE-28Y	160,480	141,620	124,500	108,350	93,610	80,180	67,810	56,390	45,760
BCV0300L/ABX	6GE-34Y	187,340	167,290	148,560	131,040	114,450	99,040	84,910	71,710	-
BCV0400L/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
BCV0130L/ABX	4JE-15Y	92,100	80,600	70,200	60,590	51,810	43,760	36,490	29,810	23,680
BCV0150L/ABX	4HE-18Y	108,590	95,460	83,490	72,420	62,290	53,050	44,590	36,840	-
BCV0200L/ABX	4GE-23Y	126,160	111,550	97,940	85,450	74,070	63,580	54,000	45,150	-
BCV0220L/ABX	6JE-25Y	131,230	115,360	100,610	87,080	74,810	63,520	53,180	43,720	-
BCV0250L/ABX	6HE-28Y	152,910	135,050	118,550	103,130	88,770	75,830	63,910	52,900	-
BCV0300L/ABX	6GE-34Y	178,960	159,930	141,960	125,130	109,060	94,330	80,730	67,970	-
BCV0400L/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
BCV0130L/ABX	4JE-15Y	83,460	72,890	63,140	54,200	45,990	38,570	31,810	25,660	-
BCV0150L/ABX	4HE-18Y	98,720	86,550	75,490	65,250	55,880	47,330	39,510	32,350	-
BCV0200L/ABX	4GE-23Y	114,960	101,530	89,020	77,610	67,080	57,450	48,590	40,490	-
BCV0220L/ABX	6JE-25Y	118,760	104,140	90,540	77,900	66,420	55,870	46,340	-	-
BCV0250L/ABX	6HE-28Y	138,360	122,110	106,640	92,280	79,210	67,150	56,110	-	-
BCV0300L/ABX	6GE-34Y	-	-	128,530	113,090	98,440	-	-	-	-
BCV0400L/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

Maximum Suction Gas Superheat < =35F

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

A0400 Option code at the end of the model # is IntelliGen™/ Beacon II™

For 50 cycle capacity, multiply values by .86

# PERFORMANCE DATA – R-407A/R-407F

## Low Temperature Models - Bitzer Compressors

Please consult AWEF table on page 63 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
BCV0130L/ABX	4JE-15Y	98,060	85,580	74,180	63,520	53,670	44,560	36,200	28,440	21,230
BCV0150L/ABX	4HE-18Y	116,360	101,930	88,590	76,320	64,870	54,300	44,510	35,440	26,970
BCV0200L/ABX	4GE-23Y	136,640	120,270	105,260	91,150	78,180	66,110	54,930	44,490	34,690
BCV0220L/ABX	6JE-25Y	139,380	122,320	106,260	91,320	77,530	64,620	52,580	41,390	30,910
BCV0250L/ABX	6HE-28Y	165,720	146,000	127,650	110,210	93,870	78,920	64,950	51,810	39,540
BCV0300L/ABX	6GE-34Y	185,790	163,950	143,750	124,780	106,740	89,790	74,260	59,540	45,620
BCV0400L/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
BCV0130L/ABX	4JE-15Y	93,350	81,420	70,340	60,080	50,610	41,850	33,850	26,420	19,540
BCV0150L/ABX	4HE-18Y	111,020	97,130	84,350	72,430	61,420	51,260	41,880	33,180	25,110
BCV0200L/ABX	4GE-23Y	130,760	115,010	100,470	86,900	74,430	62,810	52,080	42,080	32,700
BCV0220L/ABX	6JE-25Y	132,580	116,350	100,780	86,270	73,050	60,570	49,110	38,410	28,460
BCV0250L/ABX	6HE-28Y	157,960	138,990	121,260	104,440	88,910	74,480	61,080	48,490	36,760
BCV0300L/ABX	6GE-34Y	176,640	156,080	136,650	118,340	100,970	84,890	69,890	55,810	42,510
BCV0400L/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
BCV0130L/ABX	4JE-15Y	88,690	77,200	66,550	56,670	47,580	39,180	31,520	24,450	17,880
BCV0150L/ABX	4HE-18Y	105,850	92,360	80,070	68,600	58,020	48,280	39,280	30,970	23,270
BCV0200L/ABX	4GE-23Y	124,910	109,780	95,770	82,710	70,720	59,560	49,280	39,700	30,740
BCV0220L/ABX	6JE-25Y	125,860	110,180	95,390	81,460	68,640	56,680	45,700	35,490	26,020
BCV0250L/ABX	6HE-28Y	150,280	132,000	114,990	98,830	83,950	70,090	57,270	45,240	34,050
BCV0300L/ABX	6GE-34Y	168,040	148,320	129,660	112,040	95,370	79,980	65,630	52,090	39,460
BCV0400L/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
BCV0130L/ABX	4JE-15Y	79,510	68,950	59,120	50,030	41,640	33,990	27,010	20,610	14,670
BCV0150L/ABX	4HE-18Y	95,380	82,980	71,680	61,110	51,390	42,420	34,240	26,680	19,720
BCV0200L/ABX	4GE-23Y	113,440	99,590	86,550	74,590	63,500	53,260	43,850	35,120	26,970
BCV0220L/ABX	6JE-25Y	112,690	98,000	84,410	71,840	60,080	49,120	39,130	29,910	21,330
BCV0250L/ABX	6HE-28Y	135,260	118,450	102,780	87,910	74,310	61,620	49,910	38,960	28,840
BCV0300L/ABX	6GE-34Y	-	133,160	116,230	99,760	84,640	70,490	57,390	45,070	33,630
BCV0400L/ABX	6FE-44Y	194,920	170,320	147,960	127,080	107,660	89,740	73,270	57,920	43,720

**Notes:**

Liquid Injection via CIC is Required  
 Head Fan Required for All Operating Conditions  
 A C = 208-230/3/60, D = 460/3/60  
 A0400 Option code at the end of the model # is IntelliGen™/ Beacon II™  
 For 50 cycle capacity, multiply values by .86

# PERFORMANCE DATA – R-407C

## Low Temperature Models - Bitzer Compressors

Please consult AWEF table on page 63 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
BCV0130L/ABX	4JE-15Y	85,150	73,620	62,980	-	-	-	-	-	-
BCV0150L/ABX	4HE-18Y	101,490	88,140	75,830	-	-	-	-	-	-
BCV0200L/ABX	4GE-23Y	116,320	101,060	87,160	-	-	-	-	-	-
BCV0220L/ABX	6JE-25Y	121,980	105,980	90,780	-	-	-	-	-	-
BCV0250L/ABX	6HE-28Y	145,700	126,840	109,290	-	-	-	-	-	-
BCV0300L/ABX	6GE-34Y	164,930	143,710	124,270	-	-	-	-	-	-
BCV0400L/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
BCV0130L/ABX	4JE-15Y	81,190	70,040	59,720	-	-	-	-	-	-
BCV0150L/ABX	4HE-18Y	97,010	84,100	72,090	-	-	-	-	-	-
BCV0200L/ABX	4GE-23Y	111,210	96,420	82,980	-	-	-	-	-	-
BCV0220L/ABX	6JE-25Y	116,190	100,660	86,100	-	-	-	-	-	-
BCV0250L/ABX	6HE-28Y	138,950	120,800	103,930	-	-	-	-	-	-
BCV0300L/ABX	6GE-34Y	157,500	136,850	118,140	-	-	-	-	-	-
BCV0400L/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
BCV0130L/ABX	4JE-15Y	77,260	66,380	56,470	-	-	-	-	-	-
BCV0150L/ABX	4HE-18Y	92,640	80,060	68,420	-	-	-	-	-	-
BCV0200L/ABX	4GE-23Y	106,260	91,930	78,820	-	-	-	-	-	-
BCV0220L/ABX	6JE-25Y	110,440	95,250	81,380	-	-	-	-	-	-
BCV0250L/ABX	6HE-28Y	132,410	114,850	98,530	-	-	-	-	-	-
BCV0300L/ABX	6GE-34Y	149,860	130,130	112,050	-	-	-	-	-	-
BCV0400L/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
BCV0130L/ABX	4JE-15Y	69,450	59,290	50,060	-	-	-	-	-	-
BCV0150L/ABX	4HE-18Y	83,780	72,040	-	-	-	-	-	-	-
BCV0200L/ABX	4GE-23Y	-	-	-	-	-	-	-	-	-
BCV0220L/ABX	6JE-25Y	-	-	-	-	-	-	-	-	-
BCV0250L/ABX	6HE-28Y	-	-	-	-	-	-	-	-	-
BCV0300L/ABX	6GE-34Y	-	-	-	-	-	-	-	-	-
BCV0400L/ABX	6FE-44Y	-	-	-	-	-	-	-	-	-

**Notes:**

Head Fan Required

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

A0400 Option code at the end of the model # is IntelliGen™/ Beacon II™

For 50 cycle capacity, multiply values by .86

## UNIT SPECIFICATIONS

### Medium & Low Temperature Models - Bitzer Compressors

Please consult AWEF table on page 63 to confirm DOE compliance per model

Model	Compressor	Refrigerant Line Connections (OD)		Rec. Capacity @90% Std	Condenser Fan Data		Dimensions (In.)			Net Wt. (lbs.)
		Liquid	Suction		No. Fans	Dia.	Length	Width	Height	
BCV0150M <sup>^</sup> ABX	4PES-15Y	1-1/8	1-5/8	123	2	30"	170.7	48.9	53.9	1,850
BCV0200M <sup>^</sup> ABX	4NES-20Y	1-1/8	2-1/8	123	2	30"	170.7	48.9	53.9	1,900
BCV0220M <sup>^</sup> ABX	4JE-22Y	1-1/8	2-1/8	123	2	30"	170.7	48.9	53.9	1,990
BCV0250M <sup>^</sup> ABX	4HE-25Y	1-1/8	2-1/8	123	2	30"	170.7	48.9	53.9	2,020
BCV0300M <sup>^</sup> ABX	4GE-30Y	1-1/8	2-1/8	188	3	30"	225.7	48.9	53.9	2,510
BCV0330M <sup>^</sup> ABX	6JE-33Y	1-1/8	2-1/8	188	3	30"	225.7	48.9	53.9	2,560
BCV0350M <sup>^</sup> ABX	6HE-35Y	1-1/8	2-1/8	188	3	30"	225.7	48.9	53.9	2,570
BCV0400M <sup>^</sup> ABX	6GE-40Y	1-1/8	2-1/8	188	4	30"	280.1	48.9	55.9	3,000
BCV0500M <sup>^</sup> ABX	6FE-50Y	1-1/8	2-5/8	188	4	30"	280.1	48.9	55.9	3,010
BCV0130L <sup>^</sup> ABX	4JE-15Y	1-1/8	2-1/8	123	2	30"	170.7	48.9	53.9	1,950
BCV0150L <sup>^</sup> ABX	4HE-18Y	1-1/8	2-1/8	123	2	30"	170.7	48.9	53.9	1,960
BCV0200L <sup>^</sup> ABX	4GE-23Y	1-1/8	2-1/8	123	2	30"	170.7	48.9	53.9	2,020
BCV0220L <sup>^</sup> ABX	6JE-25Y	1-1/8	2-1/8	123	2	30"	170.7	48.9	53.9	2,070
BCV0250L <sup>^</sup> ABX	6HE-28Y	1-1/8	2-1/8	123	2	30"	170.7	48.9	53.9	2,090
BCV0300L <sup>^</sup> ABX	6GE-34Y	1-1/8	2-1/8	123	2	30"	170.7	48.9	53.9	2,100
BCV0400L <sup>^</sup> ABX	6FE-44Y	1-1/8	2-1/8	188	3	30"	225.7	48.9	53.9	2,610

**Notes:**

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

A0400 Option code at the end of the model # is IntelliGen™/ Beacon II™

# ELECTRICAL DATA

## Medium Temperature Models - Bitzer/208-230V

Please consult AWEF table on page 63 to confirm DOE compliance per model

Model	Compressor	Compressor		Condenser		Air Defrost		Remote Loads: Four Contactors							
		RLA	LRA	No. Fans	FLA (Total)	MCA	MOPD	Low Amps "4L"				High Amps "4H"			
								Evap. Fan Amps	Defrost Htrs. Amps	Electric Defrost		Evap. Fan Amps	Defrost Htrs. Amps	Electric Defrost	
										MCA	MOPD			MCA	MOPD
BCV0150M\ABX	4PES-15Y	48.7	294.0	2	7	67.9	110	25	96	120.0	125	25	108	135.0	150
BCV0200M\ABX	4NES-20Y	57.7	352.0	2	7	79.1	125	25	96	120.0	150	25	108	135.0	150
BCV0220M\ABX	4JE-22Y	61.5	352.0	2	7	83.9	125	25	96	120.0	150	25	108	135.0	150
BCV0250M\ABX	4HE-25Y	75.6	436.0	2	7	101.6	175	25	125	156.3	200	30	181	226.3	250
BCV0300M\ABX	4GE-30Y	89.7	490.0	3	10.5	122.7	200	30	149	186.3	225	30	181	226.3	250
BCV0330M\ABX	6JE-33Y	100.0	550.0	3	10.5	135.5	225	30	149	186.3	250	30	181	226.3	250
BCV0350M\ABX	6HE-35Y	105.1	550.0	3	10.5	141.9	225	35	160	200.0	250	35	192	240.0	250
BCV0400M\ABX	6GE-40Y	141.0	700.0	4	14	190.3	300	35	160	225.3	350	35	192	240.0	350
BCV0500M\ABX	6FE-50Y	143.6	950.0	4	14	193.5	300	35	160	228.5	350	35	192	240.0	350

Model	Compressor	Compressor		Condenser		Air Defrost		Remote Loads: Three Contactors							
		RLA	LRA	No. Fans	FLA (Total)	MCA	MOPD	Low Amps "3L"				High Amps "3H"			
								Evap. Fan Amps	Defrost Htrs. Amps	Electric Defrost		Evap. Fan Amps	Defrost Htrs. Amps	Electric Defrost	
										MCA	MOPD			MCA	MOPD
BCV0150M\ABX	4PES-15Y	48.7	294.0	2	7	67.9	110	25	96	120.0	125	25	96	120.0	125
BCV0200M\ABX	4NES-20Y	57.7	352.0	2	7	79.1	125	25	96	120.0	150	25	96	120.0	150
BCV0220M\ABX	4JE-22Y	61.5	352.0	2	7	83.9	125	22	96	120.0	150	25	96	120.0	150
BCV0250M\ABX	4HE-25Y	75.6	436.0	2	7	101.6	175	20	96	121.6	175	25	120	150.0	200
BCV0300M\ABX	4GE-30Y	89.7	490.0	3	10.5	122.7	200	25	125	156.3	225	20	125	156.3	225
BCV0330M\ABX	6JE-33Y	100.0	550.0	3	10.5	135.5	225	25	125	160.5	250	20	125	156.3	250
BCV0350M\ABX	6HE-35Y	105.1	550.0	3	10.5	141.9	225	30	130	171.9	250	35	144	180.0	250
BCV0400M\ABX	6GE-40Y	141.0	700.0	4	14	190.3	300	30	130	220.3	350	30	144	220.3	350
BCV0500M\ABX	6FE-50Y	143.6	950.0	4	14	193.5	300	30	130	223.5	350	30	144	223.5	350

### Notes:

^ C=208-230/3/60

A0400 Option code at the end of the model # is IntelliGen™/ Beacon II™

MCA = Minimum Circuit Ampacity

MOP = Maximum Overcurrent Protection

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

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

An evaporator heater hold out relay (option) is recommended when two or more evaporators

are connected to a single (BCV) condensing unit to allow termination on coils that have already

defrosted to prevent unnecessary steaming. This option is not needed on A0400 IntelliGen™/ Beacon II™ systems wired for a Master / Slave operation.

Mounted Electric Defrost Kits for BCV condensing units include:

Defrost timer, terminal strip, (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 Models - Bitzer/208-230V (cont.)

Please consult AWEF table on page 63 to confirm DOE compliance per model

Model	Compressor	Remote Loads: Two Contactors													
		Compressor		Condenser		Air Defrost		Low Amps "2L"				High Amps "2H"			
		RLA	LRA	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
BCV0150M^ABX	4PES-15Y	48.7	294.0	2	7	67.9	110	25	80	100.0	125	25	96	120.0	125
BCV0200M^ABX	4NES-20Y	57.7	352.0	2	7	79.1	125	25	80	104.1	150	25	96	120.0	150
BCV0220M^ABX	4JE-22Y	61.5	352.0	2	7	83.9	125	20	80	103.9	150	20	96	120.0	150
BCV0250M^ABX	4HE-25Y	75.6	436.0	2	7	101.6	175	-	-	-	-	-	-	-	-
BCV0300M^ABX	4GE-30Y	89.7	490.0	3	10.5	122.7	200	-	-	-	-	-	-	-	-
BCV0330M^ABX	6JE-33Y	100.0	550.0	3	10.5	135.5	225	-	-	-	-	-	-	-	-
BCV0350M^ABX	6HE-35Y	105.1	550.0	3	10.5	141.9	225	-	-	-	-	-	-	-	-
BCV0400M^ABX	6GE-40Y	141.0	700.0	4	14	190.3	300	-	-	-	-	-	-	-	-
BCV0500M^ABX	6FE-50Y	143.6	950.0	4	14	193.5	300	-	-	-	-	-	-	-	-

**Notes:**

^ C=208-230/3/60  
 A0400 Option code at the end of the model # is IntelliGen™/ Beacon II™  
 MCA = Minimum Circuit Ampacity  
 MOP = Maximum Overcurrent Protection  
 IntelliGen™/ Beacon II™ and Air Defrost Units do not carry any of the evaporator fan or heater loads. Power is supplied directly to the evaporators and does not go through the condensing unit. An evaporator heater hold out relay (option) is recommended when two or more evaporators are connected to a single (BCV) condensing unit to allow termination on coils that have already defrosted to prevent unnecessary steaming. This option is not needed on A0400 IntelliGen™/ Beacon II™ systems wired for a Master / Slave operation.  
 Mounted Electric Defrost Kits for BCV condensing units include:  
 Defrost timer, terminal strip, (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 Models - Bitzer/460V

Please consult AWEF table on page 63 to confirm DOE compliance per model

Model	Compressor	Remote Loads: Four Contactors																			
		Compressor				Condenser				Air Defrost				Low Amps "4L"				High Amps "4H"			
		RLA	LRA	No. Fans	FLA (Total)	MCA	MOPD	Evap. Fan Amps	Defrost Htrs. Amps	MCA	MOPD	Evap. Fan Amps	Defrost Htrs. Amps	MCA	MOPD						
BCV0150M\ABX	4PES-15Y	24.4	147.0	2	3.4	33.8	50	15	48	60.0	70	15	64	80.0	80						
BCV0200M\ABX	4NES-20Y	28.8	176.0	2	3.4	39.5	60	15	48	60.0	80	15	64	80.0	80						
BCV0220M\ABX	4JE-22Y	30.8	176.0	2	3.4	41.9	70	15	48	60.0	80	15	64	80.0	80						
BCV0250M\ABX	4HE-25Y	37.8	218.0	2	3.4	50.7	80	20	64	80.0	100	20	96	120.0	125						
BCV0300M\ABX	4GE-30Y	44.9	245.0	3	5.1	61.2	100	20	64	81.2	125	20	96	120.0	125						
BCV0330M\ABX	6JE-33Y	50.0	275.0	3	5.1	67.6	110	20	64	87.6	125	20	96	120.0	125						
BCV0350M\ABX	6HE-35Y	52.6	275.0	3	5.1	70.8	110	20	64	90.8	125	20	96	120.0	125						
BCV0400M\ABX	6GE-40Y	70.5	350.0	4	6.8	94.9	150	20	64	114.9	175	20	96	120.0	175						
BCV0500M\ABX	6FE-50Y	71.8	425.0	4	6.8	96.5	150	20	64	116.5	175	20	96	120.0	175						

Model	Compressor	Remote Loads: Three Contactors																			
		Compressor				Condenser				Air Defrost				Low Amps "3L"				High Amps "3H"			
		RLA	LRA	No. Fans	FLA (Total)	MCA	MOPD	Evap. Fan Amps	Defrost Htrs. Amps	MCA	MOPD	Evap. Fan Amps	Defrost Htrs. Amps	MCA	MOPD						
BCV0150M\ABX	4PES-15Y	24.4	147.0	2	3.4	33.8	50	15	48	60.0	70	15	64	80.0	80						
BCV0200M\ABX	4NES-20Y	28.8	176.0	2	3.4	39.5	60	15	48	60.0	80	15	64	80.0	80						
BCV0220M\ABX	4JE-22Y	30.8	176.0	2	3.4	41.9	70	15	64	80.0	80	15	64	80.0	80						
BCV0250M\ABX	4HE-25Y	37.8	218.0	2	3.4	50.7	80	15	64	80.0	100	20	64	80.0	100						
BCV0300M\ABX	4GE-30Y	44.9	245.0	3	5.1	61.2	100	20	64	81.2	125	20	64	81.2	125						
BCV0330M\ABX	6JE-33Y	50.0	275.0	3	5.1	67.6	110	20	64	87.6	125	20	64	87.6	125						
BCV0350M\ABX	6HE-35Y	52.6	275.0	3	5.1	70.8	110	20	64	90.8	125	20	96	120.0	125						
BCV0400M\ABX	6GE-40Y	70.5	350.0	4	6.8	94.9	150	20	64	114.9	175	22	64	116.9	175						
BCV0500M\ABX	6FE-50Y	71.8	425.0	4	6.8	96.5	150	20	64	116.5	175	22	64	118.5	175						

**Notes:**

Λ D = 460/3/60

A0400 Option code at the end of the model # is IntelliGen™/ Beacon II™

MCA = Minimum Circuit Ampacity

MOP = Maximum Overcurrent Protection

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

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

An evaporator heater hold out relay (option) is recommended when two or more evaporators

are connected to a single (BCV) condensing unit to allow termination on coils that have already

defrosted to prevent unnecessary steaming. This option is not needed on A0400 IntelliGen™/ Beacon II™ systems wired for a Master / Slave operation.

Mounted Electric Defrost Kits for BCV condensing units include:

Defrost timer, terminal strip, (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 Models - Bitzer/460V (cont.)

Please consult AWEF table on page 63 to confirm DOE compliance per model

Model	Compressor	Remote Loads: Two Contactors													
		Compressor		Condenser		Air Defrost		Low Amps "2L"				High Amps "2H"			
		RLA	LRA	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
BCV0150M\ABX	4PES-15Y	24.4	147.0	2	3.4	33.8	50	15	48	60.0	70	15	64	80.0	80
BCV0200M\ABX	4NES-20Y	28.8	176.0	2	3.4	39.5	60	15	48	60.0	80	15	64	80.0	80
BCV0220M\ABX	4JE-22Y	30.8	176.0	2	3.4	41.9	70	15	48	60.0	80	15	64	80.0	80
BCV0250M\ABX	4HE-25Y	37.8	218.0	2	3.4	50.7	80	15	48	65.7	100	15	80	100.0	100
BCV0300M\ABX	4GE-30Y	44.9	245.0	3	5.1	61.2	100	15	80	100.0	110	20	96	120.0	125
BCV0330M\ABX	6JE-33Y	50.0	275.0	3	5.1	67.6	110	15	80	100.0	125	20	96	120.0	125
BCV0350M\ABX	6HE-35Y	52.6	275.0	3	5.1	70.8	110	20	80	100.0	125	20	96	120.0	125
BCV0400M\ABX	6GE-40Y	70.5	350.0	4	6.8	94.9	150	20	80	114.9	175	20	96	120.0	175
BCV0500M\ABX	6FE-50Y	71.8	425.0	4	6.8	96.5	150	20	80	116.5	175	20	96	120.0	175

Model	Compressor	Remote Loads: One Contactor													
		Compressor		Condenser		Air Defrost		Low Amps "1L"				High Amps "1H"			
		RLA	LRA	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
BCV0150M\ABX	4PES-15Y	24.4	147.0	2	3.4	33.8	50	15	40	50.0	70	15	48	60.0	70
BCV0200M\ABX	4NES-20Y	28.8	176.0	2	3.4	39.5	60	15	40	54.5	80	15	48	60.0	80
BCV0220M\ABX	4JE-22Y	30.8	176.0	2	3.4	41.9	70	15	40	56.9	80	15	48	60.0	80
BCV0250M\ABX	4HE-25Y	37.8	218.0	2	3.4	50.7	80	-	-	-	-	-	-	-	-
BCV0300M\ABX	4GE-30Y	44.9	245.0	3	5.1	61.2	100	-	-	-	-	-	-	-	-
BCV0330M\ABX	6JE-33Y	50.0	275.0	3	5.1	67.6	110	-	-	-	-	-	-	-	-
BCV0350M\ABX	6HE-35Y	52.6	275.0	3	5.1	70.8	110	-	-	-	-	-	-	-	-
BCV0400M\ABX	6GE-40Y	70.5	350.0	4	6.8	94.9	150	-	-	-	-	-	-	-	-
BCV0500M\ABX	6FE-50Y	71.8	425.0	4	6.8	96.5	150	-	-	-	-	-	-	-	-

**Notes:**

Λ D = 460/3/60

A0400 Option code at the end of the model # is IntelliGen™/ Beacon II™

MCA = Minimum Circuit Ampacity

MOP = Maximum Overcurrent Protection

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

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

An evaporator heater hold out relay (option) is recommended when two or more evaporators

are connected to a single (BCV) condensing unit to allow termination on coils that have already

defrosted to prevent unnecessary steaming. This option is not needed on A0400 IntelliGen™/ Beacon II™ systems wired for a Master / Slave operation.

Mounted Electric Defrost Kits for BCV condensing units include:

Defrost timer, terminal strip, (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 Models - Bitzer/208-230V

Please consult AWEF table on page 63 to confirm DOE compliance per model

Model	Compressor	Remote Loads: Four Contactors																	
		Compressor						Condenser		Air Defrost		Low Amps "4L"				High Amps "4H"			
		RLA	LRA	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				
BCV0130L^ABX	4JE-15Y	50.0	352.0	2	7	69.5	110	22	48	91.5	125	22	64	91.5	125				
BCV0150L^ABX	4HE-18Y	54.1	352.0	2	7	74.6	125	25	64	99.6	150	25	91	113.8	150				
BCV0200L^ABX	4GE-23Y	57.7	352.0	2	7	79.1	125	25	96	120.0	150	25	105	131.3	150				
BCV0220L^ABX	6JE-25Y	71.0	490.0	2	7	95.8	150	25	96	120.8	175	25	105	131.3	175				
BCV0250L^ABX	6HE-28Y	77.6	490.0	2	7	104.0	175	25	96	129.0	200	25	108	135.0	200				
BCV0300L^ABX	6GE-34Y	84.6	490.0	2	7	112.8	175	30	150	187.5	225	30	181	226.3	250				
BCV0400L^ABX	6FE-44Y	97.4	700.0	3	10.5	132.3	225	30	150	187.5	250	30	181	226.3	250				

Model	Compressor	Remote Loads: Three Contactors																	
		Compressor						Condenser		Air Defrost		Low Amps "3L"				High Amps "3H"			
		RLA	LRA	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				
BCV0130L^ABX	4JE-15Y	50.0	352.0	2	7	69.5	110	20	40	89.5	125	22	48	91.5	125				
BCV0150L^ABX	4HE-18Y	54.1	352.0	2	7	74.6	125	22	70	96.6	150	25	64	99.6	150				
BCV0200L^ABX	4GE-23Y	57.7	352.0	2	7	79.1	125	20	85	106.3	150	25	96	120.0	150				
BCV0220L^ABX	6JE-25Y	71.0	490.0	2	7	95.8	150	20	85	115.8	175	25	96	120.8	175				
BCV0250L^ABX	6HE-28Y	77.6	490.0	2	7	104.0	175	20	80	124.0	200	25	96	129.0	200				
BCV0300L^ABX	6GE-34Y	84.6	490.0	2	7	112.8	175	20	96	132.8	200	25	96	137.8	200				
BCV0400L^ABX	6FE-44Y	97.4	700.0	3	10.5	132.3	225	20	96	152.3	225	25	96	157.3	250				

### Notes:

^ C=208-230/3/60

A0400 Option code at the end of the model # is IntelliGen™/ Beacon II™

MCA = Minimum Circuit Ampacity

MOP = Maximum Overcurrent Protection

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

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

An evaporator heater hold out relay (option) is recommended when two or more evaporators

are connected to a single (BCV) condensing unit to allow termination on coils that have already

defrosted to prevent unnecessary steaming. This option is not needed on A0400 IntelliGen™/ Beacon II™ systems wired for a Master / Slave operation.

Mounted Electric Defrost Kits for BCV condensing units include:

Defrost timer, terminal strip, (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 Models - Bitzer/208-230V (cont.)

Please consult AWEF table on page 63 to confirm DOE compliance per model

Model	Compressor	Remote Loads: Two Contactors													
		Compressor		Condenser		Air Defrost		Low Amps "2L"				High Amps "2H"			
		RLA	LRA	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
BCV0130L^ABX	4JE-15Y	50.0	352.0	2	7	69.5	110	15	34	84.5	125	20	74	92.5	125
BCV0150L^ABX	4HE-18Y	54.1	352.0	2	7	74.6	125	20	80	100.0	125	20	91	113.8	125
BCV0200L^ABX	4GE-23Y	57.7	352.0	2	7	79.1	125	20	80	100.0	150	20	96	120.0	150
BCV0220L^ABX	6JE-25Y	71.0	490.0	2	7	95.8	150	20	80	115.8	175	20	96	120.0	175
BCV0250L^ABX	6HE-28Y	77.6	490.0	2	7	104.0	175	20	80	124.0	200	20	96	124.0	200
BCV0300L^ABX	6GE-34Y	84.6	490.0	2	7	112.8	175	20	80	132.8	200	20	96	132.8	200
BCV0400L^ABX	6FE-44Y	97.4	700.0	3	10.5	132.3	225	20	80	152.3	225	20	96	152.3	225

Model	Compressor	Remote Loads: One Contactor													
		Compressor		Condenser		Air Defrost		Low Amps "1L"				High Amps "1H"			
		RLA	LRA	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
BCV0130L^ABX	4JE-15Y	50.0	352.0	2	7	69.5	110	15	40	84.5	125	15	48	84.5	125
BCV0150L^ABX	4HE-18Y	54.1	352.0	2	7	74.6	125	15	40	89.6	125	15	48	89.6	125
BCV0200L^ABX	4GE-23Y	57.7	352.0	2	7	79.1	125	15	40	94.1	150	15	48	94.1	150
BCV0220L^ABX	6JE-25Y	71.0	490.0	2	7	95.8	150	15	40	110.8	175	15	48	110.8	175
BCV0250L^ABX	6HE-28Y	77.6	490.0	2	7	104.0	175	-	-	-	-	-	-	-	-
BCV0300L^ABX	6GE-34Y	84.6	490.0	2	7	112.8	175	-	-	-	-	-	-	-	-
BCV0400L^ABX	6FE-44Y	97.4	700.0	3	10.5	132.3	225	-	-	-	-	-	-	-	-

**Notes:**

^ C=208-230/3/60  
 A0400 Option code at the end of the model # is IntelliGen™/ Beacon II™  
 MCA = Minimum Circuit Ampacity  
 MOP = Maximum Overcurrent Protection  
 IntelliGen™/ Beacon II™ and Air Defrost Units do not carry any of the evaporator fan or heater loads.  
 Power is supplied directly to the evaporators and does not go through the condensing unit.  
 An evaporator heater hold out relay (option) is recommended when two or more evaporators are connected to a single (BCV) condensing unit to allow termination on coils that have already defrosted to prevent unnecessary steaming. This option is not needed on A0400 IntelliGen™/ Beacon II™ systems wired for a Master / Slave operation.  
 Mounted Electric Defrost Kits for BCV condensing units include:  
 Defrost timer, terminal strip, (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 Models - Bitzer/460V

Please consult AWEF table on page 63 to confirm DOE compliance per model

Model	Compressor	Remote Loads: Four Contactors														
		Compressor		Condenser		Air Defrost		Low Amps "4L"				High Amps "4H"				
		RLA	LRA	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	
BCV0130L/A BX	4JE-15Y	25.0	176.0	2	3.4	34.7	50	-	-	-	-	-	-	-	-	-
BCV0150L/A BX	4HE-18Y	271	176.0	2	3.4	37.2	60	15	48	60.0	70	15	48	60.0	70	
BCV0200L/A BX	4GE-23Y	28.8	176.0	2	3.4	39.5	60	15	48	60.0	80	15	48	60.0	80	
BCV0220L/A BX	6JE-25Y	35.5	245.0	2	3.4	47.8	80	15	48	62.8	90	15	48	62.8	90	
BCV0250L/A BX	6HE-28Y	38.8	245.0	2	3.4	51.9	90	15	48	66.9	100	15	64	80.0	100	
BCV0300L/A BX	6GE-34Y	42.3	245.0	2	3.4	56.3	90	20	64	80.0	110	20	91	113.8	125	
BCV0400L/A BX	6FE-44Y	48.7	350.0	3	5.1	66.0	110	20	64	86.0	125	20	91	113.8	125	

Model	Compressor	Remote Loads: Three Contactors													
		Compressor		Condenser		Air Defrost		Low Amps "3L"				High Amps "3H"			
		RLA	LRA	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
BCV0130L/A BX	4JE-15Y	25.0	176.0	2	3.4	34.7	50	15	22	49.7	70	20	22	54.7	70
BCV0150L/A BX	4HE-18Y	271	176.0	2	3.4	37.2	60	15	32	52.2	70	15	48	60.0	70
BCV0200L/A BX	4GE-23Y	28.8	176.0	2	3.4	39.5	60	15	48	60.0	80	15	48	60.0	80
BCV0220L/A BX	6JE-25Y	35.5	245.0	2	3.4	47.8	80	15	48	62.8	90	15	48	62.8	90
BCV0250L/A BX	6HE-28Y	38.8	245.0	2	3.4	51.9	90	15	48	66.9	100	15	64	80.0	100
BCV0300L/A BX	6GE-34Y	42.3	245.0	2	3.4	56.3	90	15	64	80.0	110	22	64	80.0	110
BCV0400L/A BX	6FE-44Y	48.7	350.0	3	5.1	66.0	110	15	64	81.0	125	22	64	88.0	125

### Notes:

Λ D = 460/3/60

A0400 Option code at the end of the model # is IntelliGen™/ Beacon II™

MCA = Minimum Circuit Ampacity

MOP = Maximum Overcurrent Protection

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

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

An evaporator heater hold out relay (option) is recommended when two or more evaporators

are connected to a single (BCV) condensing unit to allow termination on coils that have already

defrosted to prevent unnecessary steaming. This option is not needed on A0400 IntelliGen™/ Beacon II™ systems wired for a Master / Slave operation.

Mounted Electric Defrost Kits for BCV condensing units include:

Defrost timer, terminal strip, (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 Models - Bitzer/460V (cont.)

Please consult AWEF table on page 63 to confirm DOE compliance per model

Model	Compressor	Compressor		Condenser		Air Defrost		Remote Loads: Two Contactors							
		RLA	LRA	No. Fans	FLA (Total)	MCA	MOPD	Low Amps "2L"				High Amps "2H"			
								Evap. Fan Amps	Defrost Htrs. Amps	Electric Defrost		Evap. Fan Amps	Defrost Htrs. Amps	Electric Defrost	
										MCA	MOPD			MCA	MOPD
BCV0130L^ABX	4JE-15Y	25.0	176.0	2	3.4	34.7	50	10	19	44.7	60	15	38	49.7	70
BCV0150L^ABX	4HE-18Y	27.1	176.0	2	3.4	37.2	60	15	32	52.2	70	15	48	60.0	70
BCV0200L^ABX	4GE-23Y	28.8	176.0	2	3.4	39.5	60	15	48	60.0	80	15	64	80.0	80
BCV0220L^ABX	6JE-25Y	35.5	245.0	2	3.4	47.8	80	15	48	62.8	90	15	64	80.0	90
BCV0250L^ABX	6HE-28Y	38.8	245.0	2	3.4	51.9	90	15	48	66.9	100	15	64	80.0	100
BCV0300L^ABX	6GE-34Y	42.3	245.0	2	3.4	56.3	90	15	48	71.3	110	15	80	100.0	110
BCV0400L^ABX	6FE-44Y	48.7	350.0	3	5.1	66.0	110	15	48	81.0	125	15	80	100.0	125

Model	Compressor	Compressor		Condenser		Air Defrost		Remote Loads: One Contactor							
		RLA	LRA	No. Fans	FLA (Total)	MCA	MOPD	Low Amps "1L"				High Amps "1H"			
								Evap. Fan Amps	Defrost Htrs. Amps	Electric Defrost		Evap. Fan Amps	Defrost Htrs. Amps	Electric Defrost	
										MCA	MOPD			MCA	MOPD
BCV0130L^ABX	4JE-15Y	25.0	176.0	2	3.4	34.7	50	10	19	44.7	60	10	24	44.7	60
BCV0150L^ABX	4HE-18Y	27.1	176.0	2	3.4	37.2	60	15	24	52.2	70	15	40	52.2	70
BCV0200L^ABX	4GE-23Y	28.8	176.0	2	3.4	39.5	60	15	40	54.5	80	15	48	60.0	80
BCV0220L^ABX	6JE-25Y	35.5	245.0	2	3.4	47.8	80	15	40	62.8	90	15	48	62.8	90
BCV0250L^ABX	6HE-28Y	38.8	245.0	2	3.4	51.9	90	15	40	66.9	100	15	48	66.9	100
BCV0300L^ABX	6GE-34Y	42.3	245.0	2	3.4	56.3	90	15	40	71.3	110	15	48	71.3	110
BCV0400L^ABX	6FE-44Y	48.7	350.0	3	5.1	66.0	110	15	40	81.0	125	15	48	81.0	125

**Notes:**

^ D = 460/3/60

A0400 Option code at the end of the model # is IntelliGen™/ Beacon II™

MCA = Minimum Circuit Ampacity

MOP = Maximum Overcurrent Protection

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

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

An evaporator heater hold out relay (option) is recommended when two or more evaporators

are connected to a single (BCV) condensing unit to allow termination on coils that have already

defrosted to prevent unnecessary steaming. This option is not needed on A0400 IntelliGen™/ Beacon II™ systems wired for a Master / Slave operation.

Mounted Electric Defrost Kits for BCV condensing units include:

Defrost timer, terminal strip, (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

## 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
BCV0150M^ABX	7.60	7.60	7.60	7.60	7.60	7.60
BCV0200M^ABX	7.60	7.60	7.60	7.60	7.60	7.60
BCV0220M^ABX	7.60	7.60	7.60	7.60	7.60	7.60
BCV0250M^ABX	7.60	7.60	7.60	7.60	7.60	7.60
BCV0300M^ABX	7.60	7.60	7.60	7.60	7.60	7.60
BCV0330M^ABX	7.60	7.60	7.60	7.60	7.60	7.60
BCV0350M^ABX	7.60	7.60	7.60	7.60	7.60	7.60
BCV0400M^ABX	7.60	7.60	7.60	7.60	7.60	7.60
BCV0500M^ABX	7.60	7.60	7.60	7.60	7.60	7.60

## 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
BCV0130L^ABX	3.15	3.15	3.15	3.15	X	3.15
BCV0150L^ABX	3.15	3.15	3.15	3.15	X	3.15
BCV0200L^ABX	3.15	3.15	3.15	3.15	X	3.15
BCV0220L^ABX	3.15	3.15	3.15	3.15	X	3.15
BCV0250L^ABX	-	3.15	3.15	3.15	X	3.15
BCV0300L^ABX	-	-	-	-	X	3.15
BCV0400L^ABX	-	-	-	-	X	-

**Notes:**

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

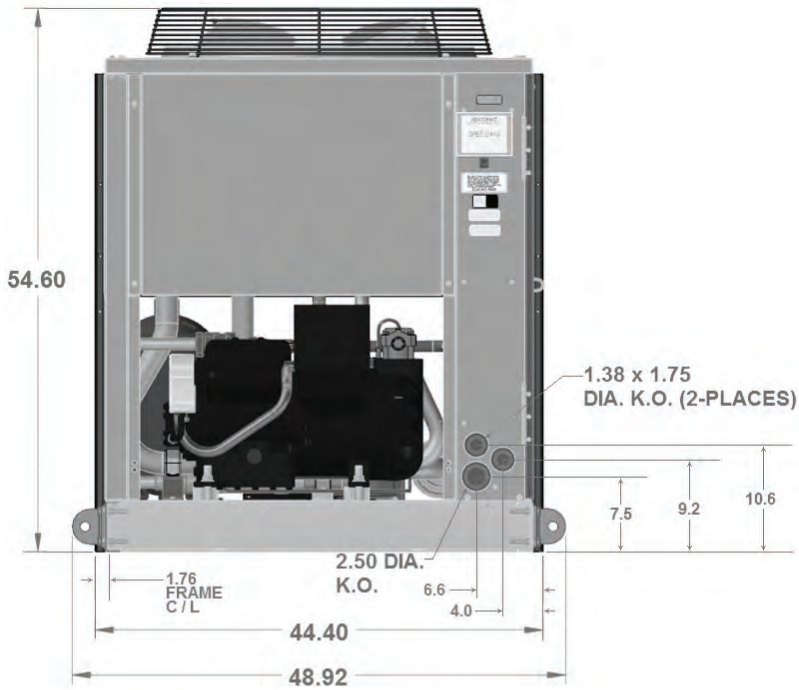
X = model not suitable for this refrigerant

— = model is not DOE AWEF compliant

# DIMENSIONAL DRAWINGS

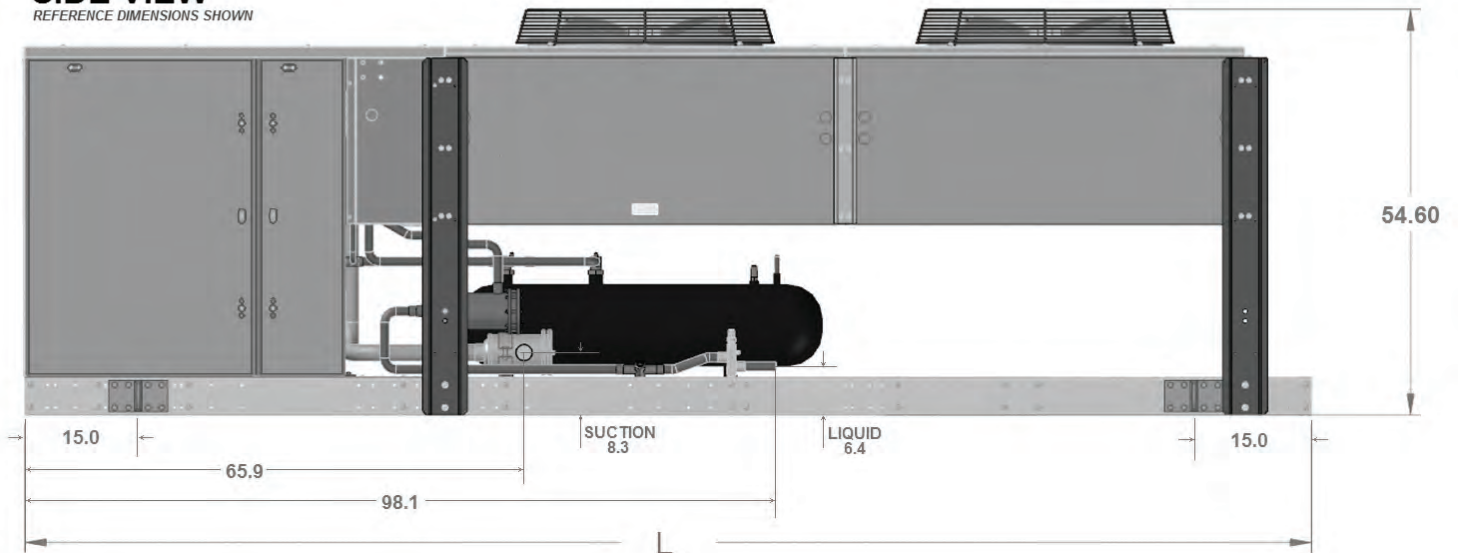
## END VIEW

REFERENCE DIMENSIONS SHOWN



## SIDE VIEW

REFERENCE DIMENSIONS SHOWN



Unit length L can be found in unit specification tables on page 46











2175 West Park Place Blvd.

Stone Mountain, GA 30087

Phone: 800.537.7775 · Fax: 770.465.5900

[heatcraftprd.com](http://heatcraftprd.com)

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

**BN-VCU-0422 | Version 006**

©2022 Heatcraft Refrigeration Products LLC