BOHN

BN-HGDTB | **MARCH 2025**
Replaces November 2024

MOHAVE ADVANCED HOT GAS DEFROST SYSTEM

Technical Guide

Now including A2L DOE compliant models

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OVERVIEW

The Mohave™ advanced hot gas defrost refrigeration system with controller utilizes hot gas to greatly reduce defrost times and operates in all outdoor ambient temperatures.* This leads to increased energy efficiency and product integrity in a refrigeration system that can be used in a greater variety of environmental conditions. This system utilizes a state-of-the-art electronic defrost controller with a proprietary control scheme that allows the system to continually operate at its most optimal level. This system can be applied for a minimum room temperature of -25°F and with one or two evaporators.

*Tested to -20°F ambient.

MOHAVE ADVANTAGES

The Mohave controller completely manages timing and sequence of defrost
Point to point wiring to all control components
Automatically compensates for changes in outdoor temperatures
Quick and easy troubleshooting
Monitors all pressures, temperatures, and setpoints in real time.
Easily programmable through a menu driven interface
The control board with conformal coating will handle the toughest conditions
LED indicators on the board clearly show system status
Remote alarm notification
Significant energy savings over electric defrost systems
Electronic pressure regulator for defrost control
Evaporators have independent or single point power supply from condensing unit
Evaporators have electric drain pan heater standard (mounted hot gas drain loop optional)

ELECTRIC VS. HOT GAS DRAIN PAN

Electric Drain Pan Heater (Std)	Advantages
In this option, the drain pan surface is heated with low wattage electric heater(s)	Lower cost solution
The electrical power requirements to the evaporator are unchanged	Defrost is even quicker because more hot gas is available to defrost the evaporator coil
Hot Gas Drain Pan Loop	**Advantages**
In this option, hot refrigerant gas passes through a loop of copper tubing that heats the drain pan surface before it defrosts the evaporator coil	In applications where there is limited evaporator accessibility (ex: controlled atmosphere rooms)

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
- Anti-short cycle timer

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
- Replaceable core liquid line filter drier and sight glass
- Replaceable core suction filter

COMPONENTS

- Electronic defrost controller
- Receivers are sized for sufficient pumpdown capacity with inlet and outlet service valves
- Spring-mounted compressors with suction and discharge eliminators
- High efficiency motors
- High pressure switch-auto reset
- Adjustable head pressure control
- Aluminum fin coil
- Condenser fan cycling (pressure or temperature)

CABINET AND CONSTRUCTION

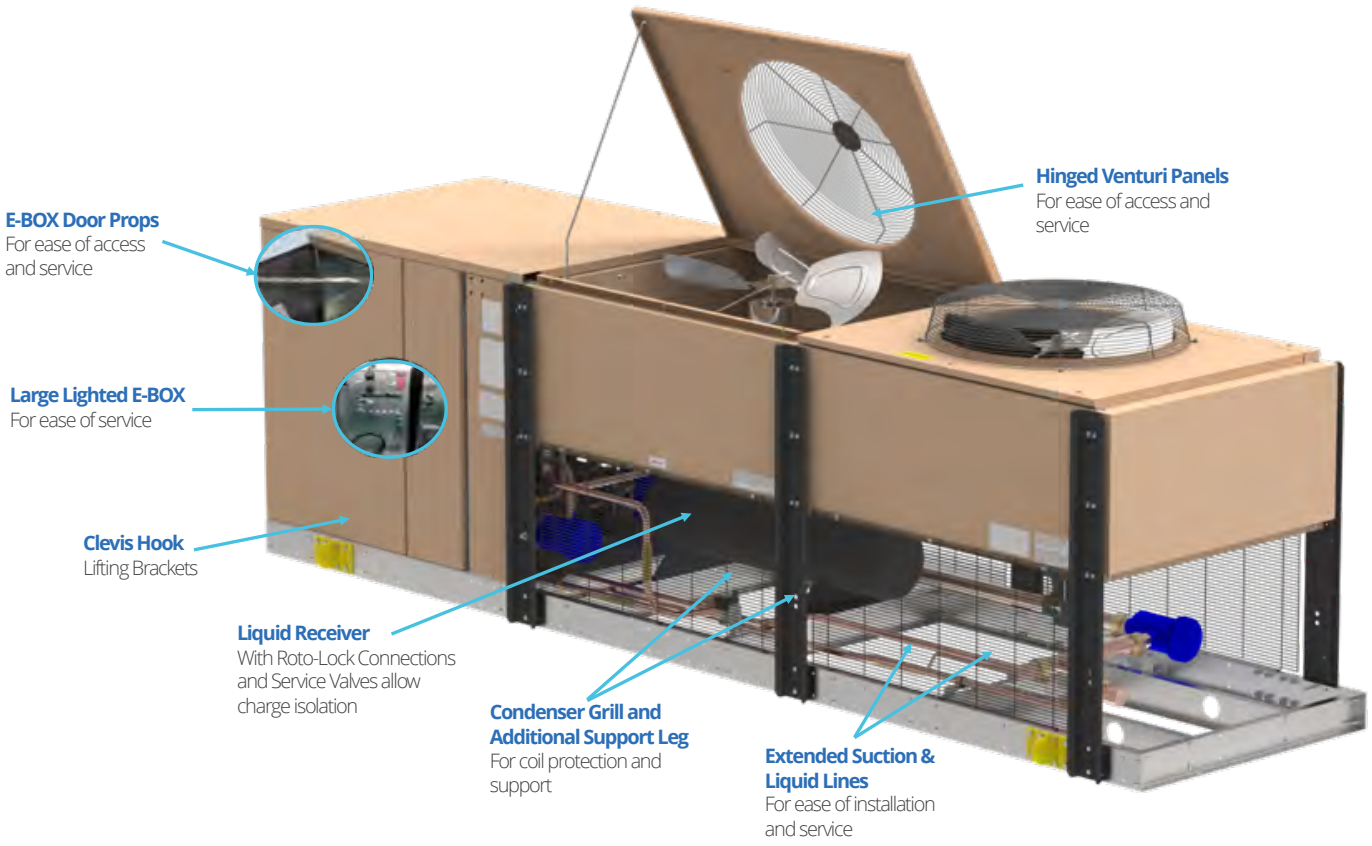
- All units feature the floating tube coil which eliminates tube sheet leaks
- Painted steel cabinet for superior strength and corrosion resistance
- Clevis hook-up brackets to aid unit installation

A2L FEATURES

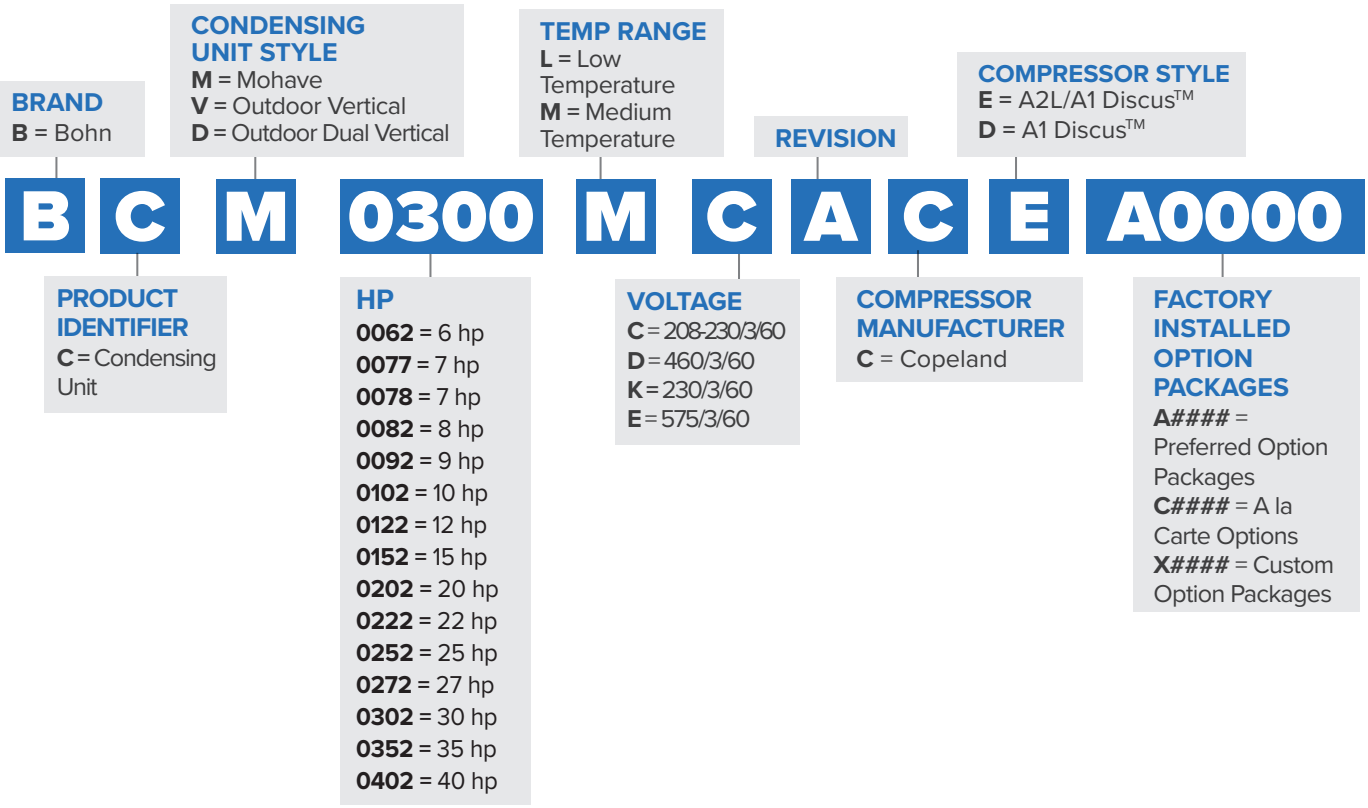
- Condenser grills to protect coil, piping and components
- Long end panel for enhanced protection
- Additional support legs for enhanced security and robustness
- Extended suction and liquid lines for ease of installation and service
- Red tags on service valves and connection points as indicators for A2L refrigerants
- A2L labels to meet regulatory requirement

VCU MODELS WITH COPELAND DISCUS™ COMPRESSORS

OUTSTANDING FEATURES



NOMENCLATURE



FACTORY INSTALLED: PREFERRED OPTION PACKAGES

Option Code	Description (All Preferred Options include Standard Base +)
A1004	Pr. Controlled fan cycling + Replaceable core Suction line-filter + Accumulator
A1300	Oil Separator with discharge line check valve
A1400	Phase Loss Motor

THE MOHAVE CONTROLLER

- Fast, dependable, and efficient positive defrost of evaporators
- Five to ten minute defrost times in most applications
- Will operate efficiently in all outdoor ambient conditions*
- Significant energy savings over electric defrost systems
- Highest levels of product integrity through more stable box temperatures

*Tested to -20°F ambient.

MOHAVE QUICK REFERENCE GUIDE

CONTROL BUTTONS

Program Review:
Review or Change the Program Settings

Enter:
Accepts changes into memory

Monitor:
View Current Operating Conditions of the System

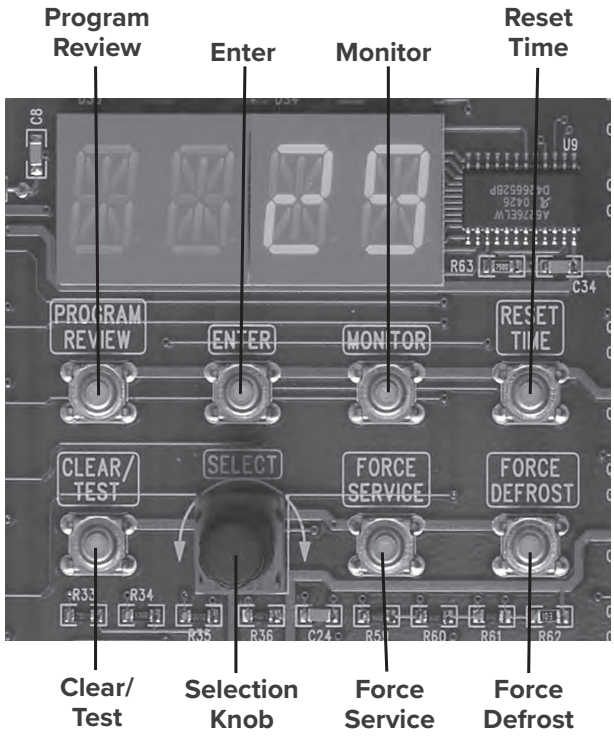
Reset Time:
Resets the time clocks of the microprocessor to 0

Clear/Test:
Clear ignores program selections prior to pressing Enter and terminates Service Mode. Test causes the system to cycle through all of the outputs for troubleshooting

Select Knob:
Used for Cycling through Monitoring and Programming Parameters

Force Service:
Press this button twice to cause the system to pump down and remain off until the Clear button is pressed

Force Defrost:
System will pump down and begin a defrost cycle. This will not affect the normally scheduled defrosts



SERVICE SWITCH

This toggle switch may be placed in the “on” position to force the system into Service Mode. The compressor will pump down and shut off. The evaporator fans will de-energize. The system can be left in service mode for seasonal “OFF” situations.

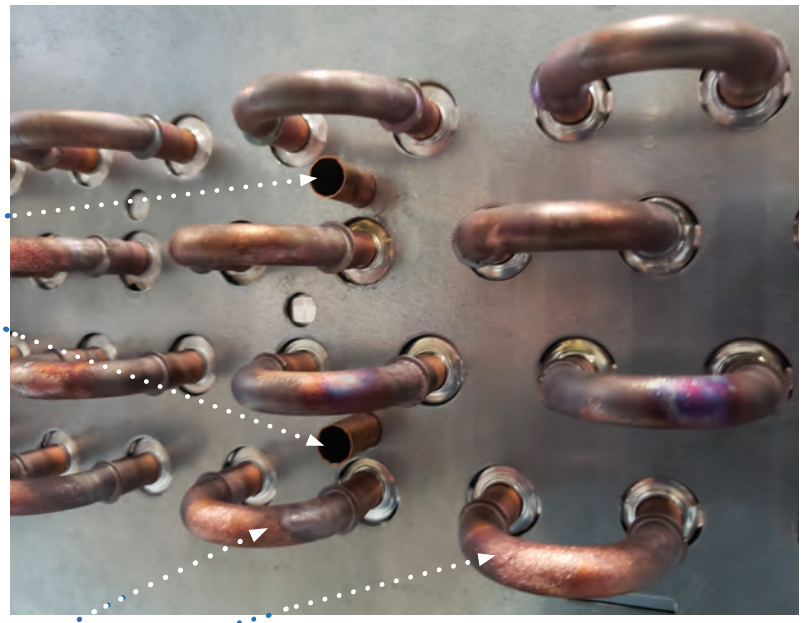
OPERATING MODES

Mode	Description
OFF	Compressor Off
COOL	Compressor On in Cooling Normal Cooling Operation
PMPD	System in Pump Down Mode
SERV	Service Mode, System is Off
DELY	Timed Delay
DEF1	Defrost Stage 1/ Pre-Defrost or Bypass Mode
DEF2	Defrost Stage 2/Defrost Mode

Mode	Description
DEF3	Defrost Stage 3/ Post Defrost Equalization/Drain Down Mode
FREZ	Refreeze Mode
TEST	Test Mode
SERV	Service Mode
EVAC	Evacuation Mode
A2LM	A2L Mitigation Mode

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.

A2L PERFORMANCE DATA – R-454A

Medium Temperature - Discus™ Compressors

Please consult AWEF table on page 47 to confirm DOE compliance per model

R-454A		Capacity BTUH @ 90°F Ambient by SST								
Model	Compressor	40°F	35°F	30°F	25°F	20°F	15°F	10°F	0°F	-10°F
BCM0077M^ACE	2YL3R73KE	99,720	90,330	81,520	73,320	65,720	58,740	52,240	40,710	30,820
BCM0078M^ACE	2YA3R82KE	111,480	101,140	91,400	82,310	73,860	66,060	58,830	45,940	34,900
BCM0082M^ACE	3YA3R99KE	133,760	121,490	109,970	99,220	89,280	80,060	71,480	56,090	42,620
BCM0102M^ACE	3YB3R11ME	155,260	141,290	128,110	115,750	104,250	93,660	83,740	65,920	50,290
BCM0122M^ACE	3YF3R14ME	180,950	165,160	150,150	136,020	122,800	110,490	98,980	78,270	59,970
BCM0152M^ACE	3YS3R16ME	195,580	178,990	163,120	148,030	134,010	120,880	108,530	86,110	66,230
BCM0202M^ACE	4YBNR19ME	241,230	220,820	201,710	183,240	165,800	149,510	134,190	106,530	82,110
BCM0252M^ACE	4YHNR22ME	282,490	258,310	235,020	213,290	192,840	173,720	155,750	123,490	95,180
BCM0302M^ACE	4YJNR27ME	333,890	306,570	280,220	255,320	231,520	209,460	188,620	150,370	116,130
BCM0352M^ACE	6YHNR32ME	404,120	370,680	338,440	307,140	278,360	251,380	225,770	179,310	138,260
BCM0402M^ACE	6YJNR39ME	493,830	452,820	414,010	376,930	341,740	308,680	277,530	220,740	170,070

R-454A		Capacity BTUH @ 95°F Ambient by SST								
Model	Compressor	40°F	35°F	30°F	25°F	20°F	15°F	10°F	0°F	-10°F
BCM0077M^ACE	2YL3R73KE	95,990	86,950	78,460	70,590	63,270	56,530	50,290	39,200	29,710
BCM0078M^ACE	2YA3R82KE	107,310	97,350	87,990	79,230	71,100	63,610	56,640	44,240	33,620
BCM0082M^ACE	3YA3R99KE	128,760	116,960	105,930	95,600	85,990	77,110	68,850	54,030	41,080
BCM0102M^ACE	3YB3R11ME	149,320	135,900	123,230	111,380	100,390	90,170	80,630	63,510	48,490
BCM0122M^ACE	3YF3R14ME	173,840	158,720	144,330	130,790	118,100	106,300	95,330	75,420	57,840
BCM0152M^ACE	3YS3R16ME	187,660	171,760	156,620	142,150	128,740	116,180	104,350	82,890	63,870
BCM0202M^ACE	4YBNR19ME	231,560	212,220	193,690	176,010	159,340	143,710	129,040	102,560	79,130
BCM0252M^ACE	4YHNR22ME	271,110	247,720	225,820	205,040	185,430	167,140	149,960	118,960	91,820
BCM0302M^ACE	4YJNR27ME	319,740	293,540	268,720	245,010	222,380	201,330	181,370	144,820	112,050
BCM0352M^ACE	6YHNR32ME	386,930	355,210	324,050	294,790	267,220	241,510	217,070	172,660	133,410
BCM0402M^ACE	6YJNR39ME	473,030	433,930	397,100	361,800	327,910	296,510	267,010	212,720	164,230

Notes:

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

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

For 50 cycle capacity, multiply values by .86

A2L PERFORMANCE DATA – R-454A

Medium Temperature - Discus™ Compressors (cont.)

Please consult AWEF table on page 47 to confirm DOE compliance per model

R-454A		Capacity BTUH @ 100°F Ambient by SST								
New Model	Compressor	40°F	35°F	30°F	25°F	20°F	15°F	10°F	0°F	-10°F
BCM0077M^ACE	2YL3R73KE	92,220	83,530	75,370	67,820	60,790	54,320	48,320	37,710	28,630
BCM0078M^ACE	2YA3R82KE	103,100	93,530	84,530	76,120	68,330	61,110	54,420	42,540	32,370
BCM0082M^ACE	3YA3R99KE	123,690	112,370	101,710	91,850	82,620	74,090	66,150	51,950	39,530
BCM0102M^ACE	3YB3R11ME	143,310	130,460	118,310	106,940	96,410	86,590	77,460	61,050	46,670
BCM0122M^ACE	3YF3R14ME	166,690	152,230	138,460	125,520	113,370	102,070	91,550	72,510	55,700
BCM0152M^ACE	3YS3R16ME	179,600	164,440	150,000	136,230	123,430	111,440	100,190	79,650	61,500
BCM0202M^ACE	4YBNR19ME	221,620	203,210	185,500	168,660	152,760	137,860	123,830	98,540	76,150
BCM0252M^ACE	4YHNR22ME	259,420	237,200	216,350	196,540	177,840	160,350	143,950	114,410	88,470
BCM0302M^ACE	4YJNR27ME	305,510	280,700	257,150	234,590	213,000	192,980	173,990	139,200	*108,030*
BCM0352M^ACE	6YHNR32ME	369,280	339,350	310,290	282,530	256,180	231,460	208,180	166,050	*128,610*
BCM0402M^ACE	6YJNR39ME	451,940	414,920	380,070	346,590	314,770	284,760	256,480	204,730	*158,470*

R-454A		Capacity BTUH @ 110°F Ambient by SST								
Model	Compressor	40°F	35°F	30°F	25°F	20°F	15°F	10°F	0°F	-10°F
BCM0077M^ACE	2YL3R73KE	84,530	76,610	69,140	62,200	55,770	49,860	44,400	34,750	*26,560*
BCM0078M^ACE	2YA3R82KE	94,500	85,740	77,500	69,840	62,690	56,100	49,980	39,160	*29,940*
BCM0082M^ACE	3YA3R99KE	113,270	102,900	93,240	84,170	75,710	67,910	60,660	47,710	*36,430*
BCM0102M^ACE	3YB3R11ME	130,980	119,260	108,200	97,910	88,250	79,330	71,000	56,080	*43,050*
BCM0122M^ACE	3YF3R14ME	151,970	138,860	126,390	114,640	103,610	93,410	83,830	66,580	*51,370*
BCM0152M^ACE	3YS3R16ME	---	149,440	136,250	124,070	112,510	101,690	91,500	73,020	*56,700*
BCM0202M^ACE	4YBNR19ME	---	184,820	168,930	153,740	139,370	125,910	113,220	90,400	*70,200*
BCM0252M^ACE	4YHNR22ME	---	216,010	197,240	179,360	162,460	146,660	131,830	105,150	*81,790*
BCM0302M^ACE	4YJNR27ME	---	---	---	213,350	194,100	176,190	159,180	*127,960*	*99,990*
BCM0352M^ACE	6YHNR32ME	---	---	---	256,850	233,310	211,190	190,410	*152,620*	*119,200*
BCM0402M^ACE	6YJNR39ME	---	---	---	315,770	287,360	260,530	235,160	*188,750*	*147,230*

Notes:

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

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

For 50 cycle capacity, multiply values by .86

A2L PERFORMANCE DATA – R-454C

Medium Temperature - Discus™ Compressors

Please consult AWEF table on page 47 to confirm DOE compliance per model

R-454C		Capacity BTUH @ 90°F Ambient by SST								
Model	Compressor	40°F	35°F	30°F	25°F	20°F	15°F	10°F	0°F	-10°F
BCM0077M^ACE	2YL3R73KE	83,420	75,460	68,070	61,200	54,910	49,090	43,700	---	---
BCM0078M^ACE	2YA3R82KE	93,420	84,580	76,420	68,820	61,760	55,280	49,230	38,380	---
BCM0082M^ACE	3YA3R99KE	112,440	102,030	92,240	83,170	74,700	66,840	59,570	*46,540*	---
BCM0102M^ACE	3YB3R11ME	131,150	119,070	107,850	97,280	87,510	78,500	70,070	*54,980*	*41,770*
BCM0122M^ACE	3YF3R14ME	153,980	140,190	127,140	114,870	103,480	92,920	83,060	*65,460*	*50,160*
BCM0152M^ACE	3YS3R16ME	167,120	152,560	138,650	125,640	113,470	102,030	91,310	*72,150*	*55,520*
BCM0202M^ACE	4YBNR19ME	206,700	188,710	171,600	155,570	140,500	126,450	113,290	*89,550*	*68,760*
BCM0252M^ACE	4YHNR22ME	240,940	219,900	199,700	180,790	163,080	146,690	131,390	*103,860*	*79,860*
BCM0302M^ACE	4YJNR27ME	287,570	263,360	240,450	218,200	197,730	178,330	160,130	*127,190*	*98,140*
BCM0352M^ACE	6YHNR32ME	348,530	318,070	289,190	261,890	236,270	212,360	190,120	*150,350*	*116,000*
BCM0402M^ACE	6YJNR39ME	425,790	389,680	354,860	322,010	291,370	262,740	235,890	*187,250*	*143,990*

R-454C		Capacity BTUH @ 95°F Ambient by SST								
Model	Compressor	40°F	35°F	30°F	25°F	20°F	15°F	10°F	0°F	-10°F
BCM0077M^ACE	**2YL3R73KE**	**80,230**	**72,570**	**65,450**	**58,850**	**52,790**	**47,200**	**42,020**	**—**	**—**
BCM0078M^ACE	**2YA3R82KE**	**89,830**	**81,390**	**73,500**	**66,190**	**59,400**	**53,140**	**47,350**	**36,920**	**—**
BCM0082M^ACE	**3YA3R99KE**	**108,170**	**98,160**	**88,770**	**79,990**	**71,840**	**64,270**	**57,270**	***44,770***	**—**
BCM0102M^ACE	**3YB3R11ME**	**126,030**	**114,580**	**103,680**	**93,550**	**84,150**	**75,490**	**67,430**	***52,920***	***40,240***
BCM0122M^ACE	**3YF3R14ME**	**148,020**	**134,750**	**122,200**	**110,510**	**99,480**	**89,330**	**79,860**	***63,000***	***48,360***
BCM0152M^ACE	**3YS3R16ME**	**160,440**	**146,480**	**133,150**	**120,760**	**108,980**	**98,010**	**87,770**	***69,400***	***53,540***
BCM0202M^ACE	**4YBNR19ME**	**198,400**	**181,270**	**164,890**	**149,500**	**134,940**	**121,480**	**108,920**	***86,150***	***66,240***
BCM0252M^ACE	**4YHNR22ME**	**231,450**	**211,360**	**191,950**	**173,790**	**156,790**	**141,000**	**126,390**	***99,970***	***76,980***
BCM0302M^ACE	**4YJNR27ME**	**275,600**	**252,640**	**230,780**	**209,480**	**189,870**	**171,310**	**153,890**	***122,390***	***94,560***
BCM0352M^ACE	**6YHNR32ME**	**334,320**	**305,130**	**277,450**	**251,270**	**226,630**	**203,870**	**182,580**	***144,590***	***111,970***
BCM0402M^ACE	**6YJNR39ME**	**408,090**	**373,350**	**340,660**	**309,260**	**279,880**	**252,500**	**226,670**	***180,240***	***138,840***

Notes:

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

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

For 50 cycle capacity, multiply values by .86

A2L PERFORMANCE DATA – R-454C

Medium Temperature - Discus™ Compressors (cont.)

Please consult AWEF table on page 47 to confirm DOE compliance per model

R-454C		Capacity BTUH @ 100°F Ambient by SST								
New Model	Compressor	40°F	35°F	30°F	25°F	20°F	15°F	10°F	0°F	-10°F
BCM0077M^ACE	2YL3R73KE	77,000	69,630	62,800	56,470	50,660	45,300	40,340	---	---
BCM0078M^ACE	2YA3R82KE	86,230	78,140	70,560	63,540	57,020	51,030	45,460	35,490	---
BCM0082M^ACE	3YA3R99KE	103,880	94,240	85,160	76,780	68,940	61,670	54,960	*42,980*	---
BCM0102M^ACE	3YB3R11ME	120,960	109,950	99,480	89,760	80,740	72,450	64,690	*50,850*	*38,730*
BCM0122M^ACE	3YF3R14ME	141,940	129,230	117,100	105,940	95,400	85,680	76,620	*60,490*	*46,570*
BCM0152M^ACE	3YS3R16ME	153,660	140,300	127,560	115,700	104,420	93,950	84,180	*66,620*	*51,540*
BCM0202M^ACE	4YBNR19ME	190,150	173,770	158,070	143,330	129,410	116,600	104,490	*82,720*	*63,700*
BCM0252M^ACE	4YHNR22ME	---	202,590	184,090	166,690	150,410	135,350	121,240	*96,030*	*74,110*
BCM0302M^ACE	4YJNR27ME	263,710	241,660	220,940	200,860	181,910	164,200	147,560	*117,490*	*91,040*
BCM0352M^ACE	6YHNR32ME	319,910	292,030	265,400	240,490	217,030	195,290	175,000	*138,830*	*107,930*
BCM0402M^ACE	6YJNR39ME	390,590	357,940	326,180	296,290	268,240	242,010	217,470	*173,160*	*133,690*

R-454C		Capacity BTUH @ 110°F Ambient by SST								
Model	Compressor	40°F	35°F	30°F	25°F	20°F	15°F	10°F	0°F	-10°F
BCM0077M^ACE	2YL3R73KE	70,430	63,710	57,460	51,680	46,370	41,530	37,010	---	---
BCM0078M^ACE	2YA3R82KE	78,980	71,530	64,630	58,200	52,270	46,770	41,720	32,640	---
BCM0082M^ACE	3YA3R99KE	95,110	86,260	77,930	70,240	63,060	56,420	50,300	*39,420*	---
BCM0102M^ACE	3YB3R11ME	110,650	100,460	90,920	82,040	73,810	66,260	59,220	*46,640*	*35,730*
BCM0122M^ACE	3YF3R14ME	129,550	117,930	106,910	96,630	87,070	78,210	70,030	*55,440*	*42,970*
BCM0152M^ACE	3YS3R16ME	---	127,690	116,310	105,390	95,140	85,700	76,810	*61,050*	*47,520*
BCM0202M^ACE	4YBNR19ME	173,430	158,480	144,250	130,820	118,240	106,470	95,520	*75,780*	*58,660*
BCM0252M^ACE	4YHNR22ME	---	---	---	---	---	---	---	*88,050*	*68,320*
BCM0302M^ACE	4YJNR27ME	---	---	200,670	182,830	165,630	149,650	134,590	*107,600*	*83,860*
BCM0352M^ACE	6YHNR32ME	---	265,330	241,310	218,730	197,360	177,870	159,730	*127,370*	*100,110*
BCM0402M^ACE	6YJNR39ME	---	---	296,670	269,850	244,450	220,910	198,840	*158,820*	*123,390*

Notes:

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

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

For 50 cycle capacity, multiply values by .86

A2L PERFORMANCE DATA – R-455A

Medium Temperature - Discus™ Compressors

Please consult AWEF table on page 47 to confirm DOE compliance per model

R-455A		Capacity BTUH @ 90°F Ambient by SST								
Model	Compressor	40°F	35°F	30°F	25°F	20°F	15°F	10°F	0°F	-10°F
BCM0077M^ACE	2YL3R73KE	86,800	78,460	70,700	63,510	56,870	50,750	45,080	---	---
BCM0078M^ACE	2YA3R82KE	97,240	88,050	79,430	71,440	64,040	57,210	50,870	39,540	---
BCM0082M^ACE	3YA3R99KE	117,100	106,130	95,870	86,310	77,450	69,260	61,640	48,000	---
BCM0102M^ACE	3YB3R11ME	136,920	124,130	112,240	101,180	90,920	81,460	72,660	56,860	---
BCM0122M^ACE	3YF3R14ME	160,340	145,830	132,170	119,290	107,360	96,300	85,990	67,530	51,480
BCM0152M^ACE	3YS3R16ME	173,830	158,570	144,040	130,420	117,620	105,760	94,590	74,560	57,050
BCM0202M^ACE	4YBNR19ME	215,850	196,830	178,800	161,840	145,980	131,180	117,360	92,530	70,740
BCM0252M^ACE	4YHNR22ME	250,670	228,360	207,260	187,450	169,020	151,840	135,730	107,060	82,030
BCM0302M^ACE	4YJNR27ME	298,770	273,340	248,900	226,000	204,360	184,120	165,170	130,850	100,680
BCM0352M^ACE	6YHNR32ME	361,760	329,980	299,940	271,500	244,830	220,040	196,830	155,290	119,200
BCM0402M^ACE	6YJNR39ME	442,750	404,110	367,660	333,150	300,740	270,590	242,570	191,820	147,440

R-455A		Capacity BTUH @ 95°F Ambient by SST								
Model	Compressor	40°F	35°F	30°F	25°F	20°F	15°F	10°F	0°F	-10°F
BCM0077M^ACE	**2YL3R73KE**	**83,430**	**75,430**	**67,970**	**61,060**	**54,680**	**48,800**	**43,350**	**—**	**—**
BCM0078M^ACE	**2YA3R82KE**	**93,530**	**84,660**	**76,380**	**68,700**	**61,590**	**55,030**	**48,940**	**38,030**	**—**
BCM0082M^ACE	**3YA3R99KE**	**112,630**	**102,090**	**92,200**	**83,000**	**74,470**	**66,590**	**59,270**	**46,170**	**—**
BCM0102M^ACE	**3YB3R11ME**	**131,590**	**119,380**	**107,930**	**97,290**	**87,440**	**78,330**	**69,880**	**54,700**	**41,370**
BCM0122M^ACE	**3YF3R14ME**	**154,030**	**140,120**	**126,990**	**114,600**	**103,180**	**92,550**	**82,660**	**64,970**	**49,590**
BCM0152M^ACE	**3YS3R16ME**	**166,840**	**152,210**	**138,290**	**125,190**	**112,950**	**101,560**	**90,850**	**71,690**	**54,940**
BCM0202M^ACE	**4YBNR19ME**	**207,230**	**188,980**	**171,690**	**155,410**	**140,120**	**126,000**	**112,780**	**88,950**	**68,090**
BCM0252M^ACE	**4YHNR22ME**	**240,720**	**219,330**	**199,040**	**180,070**	**162,350**	**145,810**	**130,500**	**102,990**	**79,040**
BCM0302M^ACE	**4YJNR27ME**	**—**	**—**	**238,760**	**216,790**	**196,080**	**176,810**	**158,750**	**125,900**	**97,040**
BCM0352M^ACE	**6YHNR32ME**	**—**	**316,420**	**287,590**	**260,310**	**234,830**	**211,260**	**188,950**	**149,350**	**114,960**
BCM0402M^ACE	**6YJNR39ME**	**—**	**—**	**352,780**	**319,760**	**288,770**	**259,950**	**233,030**	**184,560**	**142,180**

Notes:

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

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

For 50 cycle capacity, multiply values by .86

A2L PERFORMANCE DATA – R-455A

Medium Temperature - Discus™ Compressors (cont.)

Please consult AWEF table on page 47 to confirm DOE compliance per model

R-455A		Capacity BTUH @ 100°F Ambient by SST								
New Model	Compressor	40°F	35°F	30°F	25°F	20°F	15°F	10°F	0°F	-10°F
BCM0077M^ACE	2YL3R73KE	80,030	72,350	65,200	58,580	52,470	46,850	41,630	---	---
BCM0078M^ACE	2YA3R82KE	89,750	81,260	73,310	65,950	59,120	52,830	46,990	36,530	---
BCM0082M^ACE	3YA3R99KE	108,110	97,970	88,470	79,640	71,450	63,900	56,880	44,320	---
BCM0102M^ACE	3YB3R11ME	126,230	114,530	103,540	93,340	83,880	75,160	67,060	52,550	39,780
BCM0122M^ACE	3YF3R14ME	147,680	134,310	121,690	109,920	98,930	88,740	79,290	62,380	47,710
BCM0152M^ACE	3YS3R16ME	---	---	---	119,930	108,270	97,280	87,120	68,800	52,840
BCM0202M^ACE	4YBNR19ME	198,450	181,080	164,510	149,030	134,280	120,800	108,110	85,380	65,460
BCM0252M^ACE	4YHNR22ME	---	---	190,780	172,560	155,620	139,790	125,150	98,890	76,050
BCM0302M^ACE	4YJNR27ME	---	---	---	---	187,780	169,410	152,160	120,870	93,410
BCM0352M^ACE	6YHNR32ME	---	---	---	249,160	224,820	202,200	181,070	143,430	110,840
BCM0402M^ACE	6YJNR39ME	---	---	---	---	276,690	249,140	223,370	177,310	136,980

R-455A		Capacity BTUH @ 110°F Ambient by SST								
Model	Compressor	40°F	35°F	30°F	25°F	20°F	15°F	10°F	0°F	-10°F
BCM0077M^ACE	2YL3R73KE	73,180	66,170	59,640	53,600	48,020	42,910	38,180	29,730	---
BCM0078M^ACE	2YA3R82KE	---	---	---	60,380	54,150	48,400	43,080	33,550	---
BCM0082M^ACE	3YA3R99KE	---	---	---	72,840	65,350	58,440	52,030	40,610	---
BCM0102M^ACE	3YB3R11ME	---	---	---	---	---	68,720	61,340	48,140	36,590
BCM0122M^ACE	3YF3R14ME	---	---	---	---	---	---	---	57,130	43,930
BCM0152M^ACE	3YS3R16ME	---	---	---	---	---	---	---	---	48,620
BCM0202M^ACE	4YBNR19ME	---	164,980	149,930	135,690	122,490	110,150	98,750	78,140	60,190
BCM0252M^ACE	4YHNR22ME	---	---	---	---	---	---	---	---	70,100
BCM0302M^ACE	4YJNR27ME	---	---	---	---	---	---	---	---	---
BCM0352M^ACE	6YHNR32ME	---	---	---	---	---	---	---	---	102,780
BCM0402M^ACE	6YJNR39ME	---	---	---	---	---	---	---	---	---

Notes:

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

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

For 50 cycle capacity, multiply values by .86

A1 PERFORMANCE DATA – R-404A/R-507A

Medium Temperature Models - Discus™ Compressors

Please consult AWEF table on page 48 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
BCM0077M^ACD	2DL3R78KE	103,600	94,050	85,030	76,590	68,760	61,550	54,880	-	33,730
BCM0078M^ACD	2DA3R89KE	116,870	106,540	96,710	87,550	79,040	71,190	63,940	51,070	-
BCM0082M^ACD	3DA3R10ME	135,030	123,250	112,210	101,700	91,870	82,760	74,270	59,180	46,260
BCM0102M^ACD	3DB3R12ME	156,280	143,060	130,560	118,800	107,870	97,620	88,050	70,770	55,560
BCM0122M^ACD	3DF3R15ME	186,240	171,340	157,160	143,370	130,490	118,240	106,870	86,400	68,350
BCM0152M^ACD	3DS3R17ME	199,810	184,350	169,150	154,950	141,420	128,710	116,490	94,430	74,980
BCM0202M^ACD	4DBNR20ME	256,530	237,320	218,390	199,480	181,010	163,710	147,210	117,930	94,950
BCM0252M^ACD	4DHNR22ME	275,720	255,030	234,700	214,770	195,380	176,640	158,750	127,240	102,500
BCM0302M^ACD	4DJNR28ME	320,690	296,410	272,630	249,690	227,200	206,330	186,530	149,880	118,180
BCM0352M^ACD	6DHNR35ME	420,950	386,300	354,070	323,180	294,080	266,140	240,400	193,760	-
BCM0402M*ACD	6DJNR40ME	484,610	447,210	411,660	377,250	344,580	312,900	283,160	229,080	-

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
BCM0077M^ACD	**2DL3R78KE**	**99,090**	**89,970**	**81,350**	**73,290**	**65,760**	**58,860**	**52,510**	**41,390**	**32,230**
BCM0078M^ACD	**2DA3R89KE**	**111,840**	**101,920**	**92,550**	**83,810**	**75,680**	**68,170**	**61,210**	**48,850**	**-**
BCM0082M^ACD	**3DA3R10ME**	**129,000**	**117,960**	**107,360**	**97,370**	**88,020**	**79,350**	**71,240**	**56,810**	**44,380**
BCM0102M^ACD	**3DB3R12ME**	**149,450**	**137,030**	**125,020**	**113,840**	**103,450**	**93,660**	**84,500**	**67,930**	**53,260**
BCM0122M^ACD	**3DF3R15ME**	**177,720**	**163,650**	**150,200**	**137,030**	**124,800**	**113,260**	**102,510**	**82,870**	**65,530**
BCM0152M^ACD	**3DS3R17ME**	**190,450**	**175,880**	**161,570**	**148,150**	**135,330**	**123,270**	**111,600**	**90,570**	**71,910**
BCM0202M^ACD	**4DBNR20ME**	**245,020**	**227,080**	**208,560**	**190,550**	**172,820**	**156,280**	**140,480**	**112,450**	**90,460**
BCM0252M^ACD	**4DHNR22ME**	**262,680**	**243,920**	**224,230**	**205,390**	**186,590**	**168,590**	**151,520**	**121,380**	**97,800**
BCM0302M^ACD	**4DJNR28ME**	**304,930**	**281,960**	**259,490**	**237,160**	**216,510**	**196,970**	**177,850**	**143,060**	**113,040**
BCM0352M^ACD	**6DHNR35ME**	**400,780**	**368,140**	**337,650**	**308,250**	**280,790**	**254,530**	**229,620**	**184,980**	**-**
BCM0402M*ACD	**6DJNR40ME**	**462,400**	**426,950**	**393,360**	**360,680**	**329,520**	**299,050**	**270,660**	**219,120**	**-**

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
BCM0077M^ACD	2DL3R78KE	94,560	85,880	77,670	69,990	62,800	56,220	50,140	39,510	30,740
BCM0078M^ACD	2DA3R89KE	106,700	97,280	88,380	80,050	72,290	65,130	58,440	46,600	-
BCM0082M^ACD	3DA3R10ME	123,080	112,670	102,630	93,180	84,300	76,040	68,320	54,510	42,560
BCM0102M^ACD	3DB3R12ME	142,460	130,730	119,480	108,970	99,000	89,700	80,960	65,070	50,930
BCM0122M^ACD	3DF3R15ME	169,160	155,930	143,240	130,800	119,230	108,300	98,100	79,360	62,740
BCM0152M^ACD	3DS3R17ME	181,030	167,390	153,950	141,330	129,400	117,800	106,920	86,800	68,860
BCM0202M^ACD	4DBNR20ME	233,620	216,460	198,620	181,500	164,720	148,960	133,840	107,060	86,090
BCM0252M^ACD	4DHNR22ME	250,240	231,960	213,750	195,800	177,780	160,690	144,390	115,620	93,150
BCM0302M^ACD	4DJNR28ME	288,210	267,440	245,780	225,330	205,780	187,260	169,130	136,450	107,980
BCM0352M^ACD	6DHNR35ME	380,390	349,720	321,060	293,380	267,280	242,480	218,720	176,160	-
BCM0402M*ACD	6DJNR40ME	439,730	406,350	374,670	343,740	314,190	285,470	258,220	209,150	-

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

A1 PERFORMANCE DATA – R-404A/R-507A

Medium Temperature Models - Discus™ Compressors (cont.)

Please consult AWEF table on page 48 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
BCM0077M^ACD	2DL3R78KE	85,460	77,690	70,310	63,350	56,900	50,940	45,440	35,790	27,790
BCM0078M^ACD	2DA3R89KE	96,390	87,990	80,010	72,530	65,530	59,010	52,950	42,110	-
BCM0082M^ACD	3DA3R10ME	111,660	102,340	93,430	84,990	77,040	69,610	62,620	49,990	38,900
BCM0102M^ACD	3DB3R12ME	128,690	118,240	108,430	99,000	90,080	81,710	73,810	59,350	46,280
BCM0122M^ACD	3DF3R15ME	152,060	140,660	129,180	118,400	108,100	98,510	89,310	72,440	57,260
BCM0152M^ACD	3DS3R17ME	-	150,000	138,650	127,630	117,100	106,760	97,080	79,150	62,810
BCM0202M^ACD	4DBNR20ME	211,310	195,140	179,590	163,990	149,100	134,640	120,900	96,520	77,480
BCM0252M^ACD	4DHNR22ME	225,890	209,240	193,230	176,520	160,640	145,140	130,550	104,320	83,960
BCM0302M^ACD	4DJNR28ME	-	-	219,030	201,390	184,570	167,820	151,900	123,100	98,060
BCM0352M^ACD	6DHNR35ME	339,140	312,270	287,020	263,230	239,520	217,560	196,860	158,380	-
BCM0402M*ACD	6DJNR40ME	393,260	363,980	336,160	309,450	282,360	257,030	233,030	188,850	-

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

A1 PERFORMANCE DATA – R-448A/R-449A

Medium Temperature Models - Discus™ Compressors

Please consult AWEF table on page 48 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
BCM0077M^ACD	2DL3R78KE	98,310	88,610	79,630	71,390	63,850	56,970	50,640	39,430	29,630
BCM0078M^ACD	2DA3R89KE	110,920	100,130	90,040	80,620	71,900	63,910	56,570	43,860	33,510
BCM0082M^ACD	3DA3R10ME	132,150	120,140	108,600	97,690	87,350	77,730	68,780	53,180	40,700
BCM0102M^ACD	3DB3R12ME	153,810	140,250	127,270	114,850	103,100	92,170	81,930	63,970	49,500
BCM0122M^ACD	3DF3R15ME	177,960	162,390	147,270	132,820	119,040	106,170	94,230	73,240	56,600
BCM0152M^ACD	3DS3R17ME	198,900	182,390	166,230	150,810	135,820	121,650	108,290	84,030	63,460
BCM0202M^ACD	4DBNR20ME	259,700	236,030	213,440	192,400	172,760	154,700	138,030	108,280	82,720
BCM0252M^ACD	4DHNR22ME	284,440	258,620	234,300	211,230	189,770	169,980	151,460	118,810	90,720
BCM0302M^ACD	4DJNR28ME	322,760	296,670	271,180	246,460	222,870	199,960	177,920	137,350	101,000
BCM0352M^ACD	6DHNR35ME	407,630	374,650	342,160	310,230	279,470	250,120	222,530	173,280	133,540
BCM0402M*ACD	6DJNR40ME	484,560	445,430	406,620	368,840	332,120	297,150	264,210	205,700	158,920

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
BCM0077M^ACD	**2DL3R78KE**	**95,000**	**85,630**	**76,970**	**69,010**	**61,720**	**55,070**	**48,950**	**38,090**	**28,580**
BCM0078M^ACD	**2DA3R89KE**	**107,060**	**96,700**	**86,920**	**77,810**	**69,390**	**61,660**	**54,560**	**-**	**32,210**
BCM0082M^ACD	**3DA3R10ME**	**127,490**	**115,940**	**104,820**	**94,290**	**84,280**	**74,950**	**66,240**	**50,950**	**38,630**
BCM0102M^ACD	**3DB3R12ME**	**148,480**	**135,530**	**122,930**	**110,920**	**99,600**	**88,950**	**78,990**	**61,420**	**47,110**
BCM0122M^ACD	**3DF3R15ME**	**171,360**	**156,420**	**141,920**	**128,060**	**114,730**	**102,290**	**90,710**	**70,240**	**53,810**
BCM0152M^ACD	**3DS3R17ME**	**191,690**	**175,920**	**160,450**	**145,630**	**131,190**	**117,480**	**104,520**	**80,790**	**60,330**
BCM0202M^ACD	**4DBNR20ME**	**250,640**	**227,800**	**206,000**	**185,740**	**166,720**	**149,240**	**133,150**	**104,350**	**79,540**
BCM0252M^ACD	**4DHNR22ME**	**274,320**	**249,470**	**226,070**	**203,810**	**183,080**	**163,920**	**146,050**	**114,450**	**87,220**
BCM0302M^ACD	**4DJNR28ME**	**310,260**	**285,290**	**260,820**	**237,070**	**214,130**	**192,310**	**170,960**	**131,820**	**96,710**
BCM0352M^ACD	**6DHNR35ME**	**394,900**	**363,230**	**331,960**	**301,120**	**271,320**	**242,940**	**215,980**	**167,790**	**128,560**
BCM0402M*ACD	**6DJNR40ME**	**469,330**	**431,790**	**394,420**	**357,980**	**322,430**	**288,550**	**256,490**	**199,310**	**153,250**

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
BCM0077M^ACD	2DL3R78KE	91,670	82,630	74,280	66,600	59,560	53,140	47,210	36,710	27,490
BCM0078M^ACD	2DA3R89KE	103,160	93,190	83,760	74,980	66,850	59,390	52,520	-	30,890
BCM0082M^ACD	3DA3R10ME	122,790	111,690	101,030	90,810	81,140	72,070	63,600	48,620	36,440
BCM0102M^ACD	3DB3R12ME	142,960	130,650	118,470	106,890	95,950	85,610	75,920	-	44,580
BCM0122M^ACD	3DF3R15ME	164,710	150,410	136,370	123,080	110,290	98,250	87,030	67,030	50,750
BCM0152M^ACD	3DS3R17ME	184,520	169,480	154,690	140,450	126,530	113,210	100,610	77,450	57,150
BCM0202M^ACD	4DBNR20ME	241,480	219,510	198,320	178,860	160,600	143,840	128,180	100,330	76,280
BCM0252M^ACD	4DHNR22ME	264,150	240,260	217,760	196,330	176,160	157,740	140,530	109,990	83,620
BCM0302M^ACD	4DJNR28ME	297,450	273,610	250,180	227,370	205,250	184,300	164,060	126,230	92,320
BCM0352M^ACD	6DHNR35ME	382,020	351,680	321,640	291,890	263,070	235,580	209,250	162,150	123,420
BCM0402M*ACD	6DJNR40ME	454,000	418,020	382,120	347,010	312,660	279,900	248,630	192,790	147,420

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

A1 PERFORMANCE DATA – R-448A/R-449A

Medium Temperature Models - Discus™ Compressors (cont.)

Please consult AWEF table on page 48 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
BCM0077M^ACD	2DL3R78KE	84,970	76,600	68,850	61,730	55,190	49,210	43,680	33,880	25,230
BCM0078M^ACD	2DA3R89KE	95,370	86,110	77,380	69,240	61,700	54,770	48,370	37,280	28,230
BCM0082M^ACD	3DA3R10ME	113,330	103,090	93,240	83,730	74,670	66,140	58,110	43,740	31,820
BCM0102M^ACD	3DB3R12ME	132,020	120,470	109,290	98,590	88,310	78,590	69,420	-	39,130
BCM0122M^ACD	3DF3R15ME	151,310	138,220	125,410	113,020	101,110	89,940	79,280	60,150	44,160
BCM0152M^ACD	3DS3R17ME	-	-	143,210	130,130	117,250	104,910	92,900	70,680	50,680
BCM0202M^ACD	4DBNR20ME	223,030	202,730	183,360	165,130	148,180	132,630	118,060	92,050	69,500
BCM0252M^ACD	4DHNR22ME	-	221,520	200,830	181,020	162,530	145,310	129,300	100,810	76,100
BCM0302M^ACD	4DJNR28ME	-	-	-	207,140	187,300	167,780	149,030	114,410	83,210
BCM0352M^ACD	6DHNR35ME	-	328,230	300,620	273,070	246,000	220,220	195,430	150,370	112,600
BCM0402M*ACD	6DJNR40ME	-	-	357,020	324,610	292,620	261,930	232,440	179,270	135,270

Notes:
^ C = 208-230/3/60, D = 460/3/60, E = 575/3/60
* K = 230/3/60
HEAD FAN REQUIRED

A1 PERFORMANCE DATA – R-407A/R-407F

Medium Temperature Models - Discus™ Compressors

Please consult AWEF table on page 48 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
BCM0077M^ACD	2DL3R78KE	101,870	91,750	82,460	73,960	66,230	59,220	52,800	41,440	31,470
BCM0078M^ACD	2DA3R89KE	114,660	103,390	92,900	83,130	74,120	65,890	58,360	45,320	34,690
BCM0082M^ACD	3DA3R10ME	137,440	124,590	112,240	100,390	89,220	78,870	69,360	53,290	41,680
BCM0102M^ACD	3DB3R12ME	159,080	144,670	130,850	117,580	105,020	93,410	82,620	64,230	50,630
BCM0122M^ACD	3DF3R15ME	181,800	165,900	150,380	135,230	120,760	107,250	94,800	73,530	58,240
BCM0152M^ACD	3DS3R17ME	202,030	185,180	168,670	152,700	137,480	122,910	109,240	84,890	64,970
BCM0202M^ACD	4DBNR20ME	265,280	241,060	217,870	196,410	176,390	158,070	141,250	111,220	85,250
BCM0252M^ACD	4DHNR22ME	289,200	263,000	238,160	215,160	193,460	173,410	154,920	122,040	93,540
BCM0302M^ACD	4DJNR28ME	326,980	299,790	274,000	249,130	225,250	202,770	181,070	141,180	105,840
BCM0352M^ACD	6DHNR35ME	415,640	381,710	348,640	316,130	284,890	255,350	227,520	177,930	137,730
BCM0402M*ACD	6DJNR40ME	493,950	453,730	414,100	375,820	338,600	303,210	270,150	211,290	163,940

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
BCM0077M^ACD	**2DL3R78KE**	**98,150**	**88,400**	**79,420**	**71,230**	**63,790**	**57,030**	**50,850**	**39,930**	**30,360**
BCM0078M^ACD	**2DA3R89KE**	**110,320**	**99,540**	**89,370**	**79,950**	**71,270**	**63,350**	**56,080**	**43,500**	**33,250**
BCM0082M^ACD	**3DA3R10ME**	**131,960**	**119,620**	**107,710**	**96,420**	**85,680**	**75,710**	**66,530**	**50,990**	**39,700**
BCM0102M^ACD	**3DB3R12ME**	**152,860**	**139,220**	**125,810**	**113,040**	**100,970**	**89,780**	**79,370**	**61,550**	**48,290**
BCM0122M^ACD	**3DF3R15ME**	**174,320**	**159,280**	**144,250**	**129,770**	**115,880**	**102,910**	**90,970**	**70,490**	**55,730**
BCM0152M^ACD	**3DS3R17ME**	**194,060**	**178,020**	**162,250**	**146,920**	**132,310**	**118,270**	**105,100**	**81,360**	**61,770**
BCM0202M^ACD	**4DBNR20ME**	**255,190**	**231,900**	**209,610**	**188,910**	**169,650**	**152,000**	**135,800**	**106,850**	**81,790**
BCM0252M^ACD	**4DHNR22ME**	**278,130**	**252,980**	**229,110**	**206,950**	**186,050**	**166,830**	**148,890**	**117,210**	**89,720**
BCM0302M^ACD	**4DJNR28ME**	**313,350**	**287,290**	**262,700**	**238,880**	**216,100**	**194,590**	**173,660**	**135,770**	**102,150**
BCM0352M^ACD	**6DHNR35ME**	**401,150**	**368,720**	**337,030**	**305,730**	**275,670**	**247,080**	**220,110**	**171,840**	**132,200**
BCM0402M*ACD	**6DJNR40ME**	**476,730**	**438,260**	**400,250**	**363,500**	**327,620**	**293,490**	**261,400**	**204,100**	**157,600**

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
BCM0077M^ACD	2DL3R78KE	94,410	85,010	76,360	68,480	61,310	54,820	48,870	38,390	29,200
BCM0078M^ACD	2DA3R89KE	105,950	95,600	85,820	76,770	68,420	60,790	53,790	41,670	31,800
BCM0082M^ACD	3DA3R10ME	126,460	114,670	103,340	92,430	82,110	72,520	63,680	48,660	37,690
BCM0102M^ACD	3DB3R12ME	146,560	133,460	120,680	108,450	96,940	86,100	76,050	58,800	45,880
BCM0122M^ACD	3DF3R15ME	166,770	152,420	138,070	124,300	110,920	98,500	87,040	67,340	53,090
BCM0152M^ACD	3DS3R17ME	186,170	170,900	155,840	141,180	127,170	113,560	100,840	77,830	58,550
BCM0202M^ACD	4DBNR20ME	245,110	222,750	201,290	181,490	162,880	146,010	130,300	102,410	78,200
BCM0252M^ACD	4DHNR22ME	267,020	242,900	220,000	198,680	178,570	160,150	142,820	112,300	85,790
BCM0302M^ACD	4DJNR28ME	299,530	274,650	251,220	228,520	206,810	186,300	166,430	130,330	98,530
BCM0352M^ACD	6DHNR35ME	386,650	355,690	325,010	295,300	266,350	238,800	212,590	165,550	126,520
BCM0402M*ACD	6DJNR40ME	459,450	422,730	386,370	351,070	316,580	283,670	252,590	196,830	151,170

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

A1 PERFORMANCE DATA – R-407A/R-407F

Medium Temperature Models - Discus™ Compressors (cont.)

Please consult AWEF table on page 48 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
BCM0077M^ACD	2DL3R78KE	86,870	78,190	70,210	62,940	56,320	50,330	44,830	35,200	26,770
BCM0078M^ACD	2DA3R89KE	97,280	87,710	78,720	70,390	62,690	55,660	49,210	38,000	28,870
BCM0082M^ACD	3DA3R10ME	115,490	104,760	94,460	84,450	74,970	66,130	57,950	43,960	33,670
BCM0102M^ACD	3DB3R12ME	133,760	121,910	110,300	99,100	88,550	78,560	69,250	53,100	40,920
BCM0122M^ACD	3DF3R15ME	151,680	138,670	125,750	113,010	101,010	89,630	79,030	60,840	47,520
BCM0152M^ACD	3DS3R17ME	-	-	143,210	130,030	116,980	104,520	92,560	70,820	52,150
BCM0202M^ACD	4DBNR20ME	224,910	204,320	184,560	166,240	149,210	133,690	119,180	93,330	70,850
BCM0252M^ACD	4DHNR22ME	-	222,640	201,900	182,030	163,630	146,390	130,490	102,290	77,660
BCM0302M^ACD	4DJNR28ME	-	-	-	207,430	188,220	169,450	151,810	119,500	91,510
BCM0352M^ACD	6DHNR35ME	-	-	301,440	274,190	247,250	221,900	197,220	152,580	114,740
BCM0402M*ACD	6DJNR40ME	-	-	358,340	326,020	294,210	263,760	234,600	181,910	137,860

Notes:
^ C = 208-230/3/60, D = 460/3/60, E = 575/3/60
* K = 230/3/60
HEAD FAN REQUIRED

A1 PERFORMANCE DATA – R-407C

Medium Temperature Models - Discus™ Compressors

Please consult AWEF table on page 48 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
BCM0077M^ACD	2DL3R78KE	92,730	82,930	73,820	65,420	57,800	-	44,830	34,620	27,050
BCM0078M^ACD	2DA3R89KE	103,980	93,250	83,190	73,890	65,350	57,650	50,710	38,970	29,920
BCM0082M^ACD	3DA3R10ME	121,840	110,450	99,540	89,280	79,690	-	62,670	48,580	37,270
BCM0102M^ACD	3DB3R12ME	142,190	129,170	116,800	105,180	94,260	84,160	-	58,450	45,210
BCM0122M^ACD	3DF3R15ME	164,120	149,330	135,130	121,500	108,700	96,870	85,880	66,830	51,960
BCM0152M^ACD	3DS3R17ME	180,910	165,290	150,170	135,810	122,090	109,260	97,160	75,610	57,200
BCM0202M^ACD	4DBNR20ME	234,800	212,720	191,560	171,890	153,390	135,710	118,660	85,270	51,460
BCM0252M^ACD	4DHNR22ME	-	-	214,460	192,720	172,070	152,880	135,220	104,740	80,400
BCM0302M^ACD	4DJNR28ME	-	-	244,300	220,870	198,920	178,220	158,960	123,890	92,670
BCM0352M^ACD	6DHNR35ME	374,070	336,770	302,770	271,610	243,550	218,000	194,490	151,300	108,310
BCM0402M*ACD	6DJNR40ME	469,880	417,410	369,660	328,050	292,550	262,110	235,270	185,820	130,420

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
BCM0077M^ACD	**2DL3R78KE**	**89,820**	**80,260**	**71,370**	**63,190**	**55,790**	**49,180**	**43,250**	**33,480**	**26,360**
BCM0078M^ACD	**2DA3R89KE**	**100,720**	**90,270**	**80,470**	**71,410**	**63,090**	**55,580**	**48,830**	**37,400**	**28,610**
BCM0082M^ACD	**3DA3R10ME**	**117,810**	**106,860**	**96,340**	**86,420**	**77,120**	**68,510**	**60,490**	**46,570**	**35,190**
BCM0102M^ACD	**3DB3R12ME**	**137,540**	**125,130**	**113,180**	**101,930**	**91,320**	**81,460**	**-**	**56,130**	**42,740**
BCM0122M^ACD	**3DF3R15ME**	**158,560**	**144,350**	**130,540**	**117,510**	**105,170**	**93,620**	**82,900**	**64,130**	**49,250**
BCM0152M^ACD	**3DS3R17ME**	**175,030**	**160,020**	**145,440**	**131,570**	**118,260**	**105,780**	**93,900**	**72,610**	**54,100**
BCM0202M^ACD	**4DBNR20ME**	**225,760**	**204,380**	**184,190**	**164,970**	**147,160**	**130,190**	**113,810**	**81,870**	**49,640**
BCM0252M^ACD	**4DHNR22ME**	**-**	**-**	**205,570**	**184,760**	**165,340**	**147,060**	**130,260**	**100,780**	**76,650**
BCM0302M^ACD	**4DJNR28ME**	**-**	**-**	**234,560**	**212,540**	**191,820**	**172,120**	**153,740**	**119,900**	**88,820**
BCM0352M^ACD	**6DHNR35ME**	**359,820**	**324,290**	**291,950**	**262,200**	**235,390**	**210,730**	**187,970**	**145,620**	**102,680**
BCM0402M*ACD	**6DJNR40ME**	**443,040**	**393,840**	**347,980**	**310,610**	**277,360**	**248,820**	**224,400**	**179,510**	**128,650**

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
BCM0077M^ACD	2DL3R78KE	86,940	77,620	68,940	61,010	53,830	47,430	41,720	32,390	25,720
BCM0078M^ACD	2DA3R89KE	97,510	87,330	77,790	68,940	60,860	53,570	46,970	35,850	27,290
BCM0082M^ACD	3DA3R10ME	113,840	103,300	93,140	83,530	74,450	66,030	58,180	44,340	32,830
BCM0102M^ACD	3DB3R12ME	133,120	121,050	109,500	98,590	88,260	78,610	69,560	53,520	40,000
BCM0122M^ACD	3DF3R15ME	153,030	139,340	126,150	113,410	101,430	90,180	79,660	61,100	46,090
BCM0152M^ACD	3DS3R17ME	169,190	154,750	140,710	127,260	114,240	102,080	90,460	69,310	-
BCM0202M^ACD	4DBNR20ME	217,060	195,910	176,540	158,200	141,130	124,830	109,090	78,680	48,080
BCM0252M^ACD	4DHNR22ME	-	-	196,670	176,920	158,580	141,380	125,370	96,850	72,870
BCM0302M^ACD	4DJNR28ME	-	-	225,190	204,530	185,030	166,390	148,860	116,050	85,100
BCM0352M^ACD	6DHNR35ME	345,390	311,650	280,870	252,360	226,730	203,150	181,190	139,600	96,740
BCM0402M*ACD	6DJNR40ME	415,560	369,470	326,620	291,740	261,050	235,810	213,660	174,080	128,590

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

A1 PERFORMANCE DATA – R-407C

Medium Temperature Models - Discus™ Compressors (cont.)

Please consult AWEF table on page 48 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
BCM0077M^ACD	2DL3R78KE	81,330	72,490	64,290	56,830	50,110	44,130	38,860	30,410	24,630
BCM0078M^ACD	2DA3R89KE	91,300	81,630	72,590	64,200	56,570	49,630	43,360	32,810	24,710
BCM0082M^ACD	3DA3R10ME	106,110	96,220	86,690	77,600	68,960	60,800	53,180	39,350	27,500
BCM0102M^ACD	3DB3R12ME	123,950	112,720	101,930	91,560	81,680	72,300	63,490	47,480	33,580
BCM0122M^ACD	3DF3R15ME	141,910	129,110	116,760	104,780	93,460	82,690	72,420	54,210	38,840
BCM0152M^ACD	3DS3R17ME	-	144,180	131,200	118,410	106,120	94,320	83,140	62,080	43,030
BCM0202M^ACD	4DBNR20ME	199,470	180,200	162,060	145,370	129,600	114,750	100,440	73,070	45,790
BCM0252M^ACD	4DHNR22ME	-	-	179,930	162,610	146,310	130,810	116,200	89,360	65,570
BCM0302M^ACD	4DJNR28ME	-	-	207,490	189,650	172,310	155,730	139,800	108,930	78,060
BCM0352M^ACD	6DHNR35ME	316,320	285,980	258,070	232,450	208,770	187,160	166,550	126,620	84,110
BCM0402M*ACD	6DJNR40ME	359,520	319,210	283,570	252,960	229,120	209,420	193,270	166,490	134,800

Notes:
^ C = 208-230/3/60, D = 460/3/60, E = 575/3/60
* K = 230/3/60
HEAD FAN REQUIRED

A2L PERFORMANCE DATA – R-454A

Low Temperature - Discus™ Compressors

Please consult AWEF table on page 47 to confirm DOE compliance per model

R-454A		Capacity BTUH @ 90°F Ambient by SST								
Model	Compressor	0°F	-5°F	-10°F	-15°F	-20°F	-25°F	-30°F	-35°F	-40°F
BCM0062L^ACE	3YA3F21KE	54,870	48,210	42,110	36,500	31,420	26,840	22,780	19,200	16,110
BCM0077L^ACE	3YB3F24KE	64,730	56,970	49,800	43,200	37,190	31,760	26,940	22,690	19,000
BCM0092L^ACE	3YF3F29KE	78,170	68,810	60,220	52,310	45,090	38,560	32,710	27,460	22,840
BCM0102L^ACE	3YS3F33KE	86,590	76,330	66,860	58,140	50,170	42,940	36,450	30,620	25,460
BCM0122L^ACE	4YBNF40KE	105,680	93,370	81,990	71,360	61,600	52,730	44,760	37,640	31,390
BCM0152L^ACE	4YHNF46KE	120,290	106,520	93,660	81,700	70,650	60,550	51,470	43,330	36,190
BCM0222L^ACE	4YJNF59KE	146,700	130,180	114,720	100,260	86,930	74,810	63,860	54,050	45,430
BCM0272L^ACE	6YHNF68KE	170,590	151,860	134,180	117,520	102,060	87,860	75,070	63,530	53,310
BCM0302L^ACE	6YJNF84KE	203,750	182,180	161,600	142,020	123,730	106,880	91,590	77,830	65,740

R-454A		Capacity BTUH @ 95°F Ambient by SST								
Model	Compressor	0°F	-5°F	-10°F	-15°F	-20°F	-25°F	-30°F	-35°F	-40°F
BCM0062L^ACE	**3YA3F21KE**	**52,820**	**46,400**	**40,470**	**35,050**	**30,120**	**25,700**	**21,790**	**18,340**	**15,370**
BCM0077L^ACE	**3YB3F24KE**	**62,340**	**54,820**	**47,890**	**41,500**	**35,670**	**30,420**	**25,770**	**21,670**	**18,120**
BCM0092L^ACE	**3YF3F29KE**	**75,330**	**66,270**	**57,940**	**50,270**	**43,280**	**36,960**	**31,300**	**26,230**	**21,760**
BCM0102L^ACE	**3YS3F33KE**	**83,440**	**73,490**	**64,330**	**55,880**	**48,160**	**41,160**	**34,880**	**29,250**	**24,260**
BCM0122L^ACE	**4YBNF40KE**	**101,750**	**89,890**	**78,840**	**68,560**	**59,120**	**50,530**	**42,810**	**35,920**	**29,890**
BCM0152L^ACE	**4YHNF46KE**	**115,870**	**102,550**	**90,090**	**78,520**	**67,810**	**58,040**	**49,230**	**41,350**	**34,430**
BCM0222L^ACE	**4YJNF59KE**	**141,250**	**125,300**	**110,340**	**96,350**	**83,490**	**71,740**	**61,140**	**51,670**	**43,360**
BCM0272L^ACE	**6YHNF68KE**	**164,100**	**146,070**	**129,010**	**112,920**	**97,970**	**84,250**	**71,870**	**60,690**	**50,790**
BCM0302L^ACE	**6YJNF84KE**	**195,860**	**175,170**	**155,320**	**136,440**	**118,780**	**102,500**	**87,730**	**74,470**	**62,750**

Notes:
DEMAND COOLING IS REQUIRED FOR ALL APPLICATIONS
^ C = 208-230/3/60, D = 460/3/60, E = 575/3/60
For 50 cycle capacity, multiply values by .86

A2L PERFORMANCE DATA – R-454A

Low Temperature - Discus™ Compressors (cont.)

Please consult AWEF table on page 47 to confirm DOE compliance per model

R-454A		Capacity BTUH @ 100°F Ambient by SST								
Model	Compressor	0°F	-5°F	-10°F	-15°F	-20°F	-25°F	-30°F	-35°F	-40°F
BCM0062L^ACE	3YA3F21KE	50,780	44,570	38,840	33,600	28,850	24,580	20,810	17,500	14,650
BCM0077L^ACE	3YB3F24KE	59,960	52,690	45,980	39,800	34,160	29,100	24,610	20,660	17,260
BCM0092L^ACE	3YF3F29KE	72,480	63,710	55,650	48,230	41,480	35,360	29,900	25,010	20,710
BCM0102L^ACE	3YS3F33KE	80,260	70,650	61,790	53,620	46,160	39,400	33,330	27,890	23,070
BCM0122L^ACE	4YBNF40KE	97,810	86,380	75,690	65,750	56,630	48,320	40,880	34,230	28,400
BCM0152L^ACE	4YHNF46KE	111,410	98,550	86,520	75,330	64,970	55,510	47,000	39,380	32,680
BCM0222L^ACE	4YJNF59KE	135,670	120,400	105,950	92,450	80,040	68,670	58,440	49,320	41,310
BCM0272L^ACE	6YHNF68KE	157,620	140,290	123,860	108,340	93,920	80,640	68,690	57,880	48,300
BCM0302L^ACE	6YJNF84KE	---	168,120	149,050	130,870	113,860	98,140	83,880	71,100	59,810

R-454A		Capacity BTUH @ 110°F Ambient by SST								
Model	Compressor	0°F	-5°F	-10°F	-15°F	-20°F	-25°F	-30°F	-35°F	-40°F
BCM0062L^ACE	3YA3F21KE	46,710	40,930	35,620	30,750	26,350	22,400	18,920	15,880	13,280
BCM0077L^ACE	3YB3F24KE	55,200	48,430	42,170	36,430	31,200	26,510	22,360	18,730	15,610
BCM0092L^ACE	3YF3F29KE	66,780	58,600	51,100	44,200	37,910	32,230	27,160	22,650	18,690
BCM0102L^ACE	3YS3F33KE	73,900	64,950	56,720	49,120	42,190	35,910	30,270	25,230	20,780
BCM0122L^ACE	4YBNF40KE	89,950	79,290	69,370	60,150	51,670	43,960	37,040	30,890	25,500
BCM0152L^ACE	4YHNF46KE	102,510	90,550	79,440	68,980	59,330	50,510	42,580	35,480	29,250
BCM0222L^ACE	4YJNF59KE	---	110,600	97,230	84,680	73,180	62,640	53,160	44,700	37,310
BCM0272L^ACE	6YHNF68KE	---	---	113,600	99,290	85,880	73,620	62,450	52,380	43,450
BCM0302L^ACE	6YJNF84KE	---	---	---	---	104,100	89,550	76,330	64,520	54,060

Notes:
DEMAND COOLING IS REQUIRED FOR ALL APPLICATIONS
^ C = 208-230/3/60, D = 460/3/60, E = 575/3/60
For 50 cycle capacity, multiply values by .86

A2L PERFORMANCE DATA – R-454C

Low Temperature - Discus™ Compressors

Please consult AWEF table on page 47 to confirm DOE compliance per model

R-454C		Capacity BTUH @ 90°F Ambient by SST								
Model	Compressor	0°F	-5°F	-10°F	-15°F	-20°F	-25°F	-30°F	-35°F	-40°F
BCM0062L^ACE	3YA3F21KE	45,650	40,150	35,110	30,450	26,220	22,420	---	---	---
BCM0077L^ACE	3YB3F24KE	54,030	47,460	41,450	35,920	30,920	26,420	---	---	---
BCM0092L^ACE	3YF3F29KE	65,320	57,470	50,240	43,560	---	---	---	---	---
BCM0102L^ACE	3YS3F33KE	72,580	63,920	55,900	48,530	41,780	---	---	---	---
BCM0122L^ACE	4YBNF40KE	89,000	78,400	68,660	59,620	51,400	43,930	37,290	---	---
BCM0152L^ACE	4YHNF46KE	102,440	90,450	79,330	69,060	59,610	51,020	43,340	36,490	---
BCM0222L^ACE	4YJNF59KE	124,730	110,430	97,090	84,660	73,230	62,870	53,550	45,260	38,060
BCM0272L^ACE	6YHNF68KE	145,290	128,920	113,570	99,200	86,000	73,920	63,090	53,370	44,900
BCM0302L^ACE	6YJNF84KE	174,940	155,900	137,750	120,710	104,930	90,450	77,410	65,760	55,510

R-454C		Capacity BTUH @ 95°F Ambient by SST								
Model	Compressor	0°F	-5°F	-10°F	-15°F	-20°F	-25°F	-30°F	-35°F	-40°F
BCM0062L^ACE	3YA3F21KE	43,900	38,580	33,710	29,220	25,130	21,480	—	—	—
BCM0077L^ACE	3YB3F24KE	51,990	45,630	39,820	34,460	29,640	25,310	—	—	—
BCM0092L^ACE	3YF3F29KE	62,910	55,300	48,290	41,840	—	—	—	—	—
BCM0102L^ACE	3YS3F33KE	69,900	61,510	53,740	46,590	40,090	—	—	—	—
BCM0122L^ACE	4YBNF40KE	85,680	75,420	65,990	57,240	49,300	42,100	35,700	—	—
BCM0152L^ACE	4YHNF46KE	98,610	87,020	76,260	66,320	57,200	48,900	41,500	34,910	—
BCM0222L^ACE	4YJNF59KE	120,050	106,150	93,350	81,320	70,280	60,280	51,290	43,330	36,420
BCM0272L^ACE	6YHNF68KE	139,660	123,860	109,060	95,210	82,480	70,830	60,420	51,080	42,960
BCM0302L^ACE	6YJNF84KE	168,180	149,710	132,250	115,820	100,620	86,720	74,170	62,990	53,210

Notes:
DEMAND COOLING IS REQUIRED FOR ALL APPLICATIONS
^ C = 208-230/3/60, D = 460/3/60, E = 575/3/60
For 50 cycle capacity, multiply values by .86

A2L PERFORMANCE DATA – R-454C

Low Temperature - Discus™ Compressors (cont.)

Please consult AWEF table on page 47 to confirm DOE compliance per model

R-454C		Capacity BTUH @ 100°F Ambient by SST								
Model	Compressor	0°F	-5°F	-10°F	-15°F	-20°F	-25°F	-30°F	-35°F	-40°F
BCM0062L^ACE	3YA3F21KE	42,140	37,020	32,330	28,000	24,060	20,560	---	---	---
BCM0077L^ACE	3YB3F24KE	49,960	43,800	38,190	33,020	28,370	24,220	---	---	---
BCM0092L^ACE	3YF3F29KE	60,480	53,130	46,360	40,120	---	---	---	---	---
BCM0102L^ACE	3YS3F33KE	67,230	59,100	51,580	44,680	38,410	---	---	---	---
BCM0122L^ACE	4YBNF40KE	82,360	72,430	63,310	54,880	47,220	40,280	34,120	---	---
BCM0152L^ACE	4YHNF46KE	94,800	83,580	73,200	63,600	54,790	46,780	39,660	33,330	---
BCM0222L^ACE	4YJNF59KE	115,350	101,960	89,600	77,960	67,320	57,700	49,060	41,420	34,820
BCM0272L^ACE	6YHNF68KE	134,020	118,800	104,550	91,200	78,960	67,760	57,760	48,820	41,060
BCM0302L^ACE	6YJNF84KE	161,260	143,510	126,710	110,940	96,330	83,000	70,950	60,250	50,910

R-454C		Capacity BTUH @ 110°F Ambient by SST								
Model	Compressor	0°F	-5°F	-10°F	-15°F	-20°F	-25°F	-30°F	-35°F	-40°F
BCM0062L^ACE	3YA3F21KE	38,670	33,930	29,590	25,590	21,990	18,760	---	---	---
BCM0077L^ACE	3YB3F24KE	45,920	40,200	34,960	30,200	25,900	22,090	---	---	---
BCM0092L^ACE	3YF3F29KE	55,700	48,840	42,550	36,750	31,500	---	---	---	---
BCM0102L^ACE	3YS3F33KE	61,870	54,310	47,320	40,930	35,120	---	---	---	---
BCM0122L^ACE	4YBNF40KE	75,700	66,470	58,000	50,200	43,080	36,710	31,060	---	---
BCM0152L^ACE	4YHNF46KE	87,090	76,700	67,060	58,160	50,010	42,610	36,060	30,250	---
BCM0222L^ACE	4YJNF59KE	105,930	93,550	82,030	71,310	61,470	52,600	44,660	37,690	31,690
BCM0272L^ACE	6YHNF68KE	---	---	95,520	83,340	72,000	61,720	52,560	44,400	37,370
BCM0302L^ACE	6YJNF84KE	---	---	---	101,230	87,810	75,590	64,630	54,890	46,480

Notes:
DEMAND COOLING IS REQUIRED FOR ALL APPLICATIONS
^ C = 208-230/3/60, D = 460/3/60, E = 575/3/60
For 50 cycle capacity, multiply values by .86

A2L PERFORMANCE DATA – R-455A

Low Temperature - Discus™ Compressors

Please consult AWEF table on page 47 to confirm DOE compliance per model

R-455A		Capacity BTUH @ 90°F Ambient by SST								
Model	Compressor	0°F	-5°F	-10°F	-15°F	-20°F	-25°F	-30°F	-35°F	-40°F
BCM0062L^ACE	3YA3F21KE	47,290	41,340	35,920	31,010	26,560	22,610	---	---	---
BCM0077L^ACE	3YB3F24KE	54,030	47,460	41,450	35,920	30,920	26,420	---	---	---
BCM0092L^ACE	3YF3F29KE	67,440	59,170	51,530	44,480	---	---	---	---	---
BCM0102L^ACE	3YS3F33KE	74,950	65,800	57,370	49,580	42,500	---	---	---	---
BCM0122L^ACE	4YBNF40KE	91,900	80,750	70,470	60,980	52,310	44,470	---	---	---
BCM0152L^ACE	4YHNF46KE	105,750	93,210	81,530	70,700	60,760	51,720	43,600	---	---
BCM0222L^ACE	4YJNF59KE	128,730	113,740	99,690	86,710	74,760	63,900	54,160	45,470	37,920
BCM0272L^ACE	6YHNF68KE	150,250	132,930	116,780	101,680	87,790	75,090	63,680	53,460	44,450
BCM0302L^ACE	6YJNF84KE	203,750	182,180	161,600	142,020	123,730	106,880	91,590	77,830	65,740

R-455A		Capacity BTUH @ 95°F Ambient by SST								
Model	Compressor	0°F	-5°F	-10°F	-15°F	-20°F	-25°F	-30°F	-35°F	-40°F
BCM0062L^ACE	**3YA3F21KE**	**45,440**	**39,710**	**34,470**	**29,720**	**25,440**	**21,640**	**—**	**—**	**—**
BCM0077L^ACE	**3YB3F24KE**	**51,990**	**45,630**	**39,820**	**34,460**	**29,640**	**25,310**	**—**	**—**	**—**
BCM0092L^ACE	**3YF3F29KE**	**64,930**	**56,910**	**49,510**	**42,690**	**—**	**—**	**—**	**—**	**—**
BCM0102L^ACE	**3YS3F33KE**	**72,130**	**63,270**	**55,110**	**47,570**	**40,730**	**—**	**—**	**—**	**—**
BCM0122L^ACE	**4YBNF40KE**	**88,410**	**77,610**	**67,650**	**58,480**	**50,110**	**42,540**	**—**	**—**	**—**
BCM0152L^ACE	**4YHNF46KE**	**101,800**	**89,630**	**78,320**	**67,830**	**58,210**	**49,480**	**41,630**	**—**	**—**
BCM0222L^ACE	**4YJNF59KE**	**123,860**	**109,340**	**95,790**	**83,210**	**71,660**	**61,160**	**51,770**	**43,420**	**36,150**
BCM0272L^ACE	**6YHNF68KE**	**144,400**	**127,750**	**112,190**	**97,510**	**84,120**	**71,860**	**60,860**	**51,000**	**42,330**
BCM0302L^ACE	**6YJNF84KE**	**195,860**	**175,170**	**155,320**	**136,440**	**118,780**	**102,500**	**87,730**	**74,470**	**62,750**

Notes:
DEMAND COOLING IS REQUIRED FOR ALL APPLICATIONS
^ C = 208-230/3/60, D = 460/3/60, E = 575/3/60
For 50 cycle capacity, multiply values by .86

A2L PERFORMANCE DATA – R-455A

Low Temperature - Discus™ Compressors (cont.)

Please consult AWEF table on page 47 to confirm DOE compliance per model

R-455A		Capacity BTUH @ 100°F Ambient by SST								
Model	Compressor	0°F	-5°F	-10°F	-15°F	-20°F	-25°F	-30°F	-35°F	-40°F
BCM0062L^ACE	3YA3F21KE	43,630	38,080	33,030	28,440	24,330	20,670	---	---	---
BCM0077L^ACE	3YB3F24KE	49,960	43,800	38,190	33,020	28,370	24,220	---	---	---
BCM0092L^ACE	3YF3F29KE	62,410	54,650	47,490	40,900	---	---	---	---	---
BCM0102L^ACE	3YS3F33KE	69,320	60,740	52,860	45,570	38,970	---	---	---	---
BCM0122L^ACE	4YBNF40KE	84,890	74,470	64,840	55,980	47,900	40,620	---	---	---
BCM0152L^ACE	4YHNF46KE	97,810	86,040	75,110	64,980	55,670	47,240	39,670	---	---
BCM0222L^ACE	4YJNF59KE	118,960	104,890	91,850	79,710	68,560	58,430	49,400	41,360	34,400
BCM0272L^ACE	6YHNF68KE	138,640	122,550	107,500	93,420	80,460	68,660	58,060	48,580	40,240
BCM0302L^ACE	6YJNF84KE	---	168,120	149,050	130,870	113,860	98,140	83,880	71,100	59,810

R-455A		Capacity BTUH @ 110°F Ambient by SST								
Model	Compressor	0°F	-5°F	-10°F	-15°F	-20°F	-25°F	-30°F	-35°F	-40°F
BCM0062L^ACE	3YA3F21KE	40,020	34,870	30,190	25,950	22,160	18,810	15,890	---	---
BCM0077L^ACE	3YB3F24KE	45,920	40,200	34,960	30,200	25,900	22,090	---	---	---
BCM0092L^ACE	3YF3F29KE	57,410	50,170	43,510	37,390	31,850	---	---	---	---
BCM0102L^ACE	3YS3F33KE	63,680	55,710	48,370	41,630	35,520	---	25,190	---	---
BCM0122L^ACE	4YBNF40KE	77,890	68,190	59,260	51,030	43,550	36,820	30,850	---	---
BCM0152L^ACE	4YHNF46KE	89,810	78,910	68,740	59,300	50,660	42,820	35,810	29,600	24,200
BCM0222L^ACE	4YJNF59KE	---	96,160	84,020	72,790	62,450	53,080	44,740	37,370	31,010
BCM0272L^ACE	6YHNF68KE	---	---	---	85,260	73,310	62,400	52,610	43,870	36,220
BCM0302L^ACE	6YJNF84KE	---	---	---	---	104,100	89,550	76,330	64,520	54,060

Notes:
DEMAND COOLING IS REQUIRED FOR ALL APPLICATIONS
^ C = 208-230/3/60, D = 460/3/60, E = 575/3/60
For 50 cycle capacity, multiply values by .86

A1 PERFORMANCE DATA – R-404A/R-507A

Low Temperature Models - Discus™ Compressors

Please consult AWEF table on page 48 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
BCM0062L^ACD	3DA3F28KE	60,020	53,460	47,380	41,780	36,650	-	27,740	23,890	20,420
BCM0077L^ACD	3DB3F33KE	70,600	62,890	55,800	49,280	43,300	37,830	32,850	28,260	24,050
BCM0092L^ACD	3DF3F40KE	85,110	75,880	67,340	59,430	52,140	45,490	39,440	33,930	28,920
BCM0102L^ACD	3DS3F46KE	94,090	84,500	75,510	67,100	59,280	52,040	45,400	39,270	33,620
BCM0122L^ACD	4DBNF54KE	106,220	94,990	84,790	75,340	66,630	58,520	50,870	43,460	36,190
BCM0152L^ACD	4DHNF63KE	123,370	110,980	99,490	88,840	78,860	69,510	60,670	52,150	43,820
BCM0222L^ACD	4DJNF76KE	144,000	130,640	117,990	105,670	94,020	82,970	72,350	62,100	52,140
BCM0272L^ACD	6DHNF93KE	176,470	160,400	144,550	129,090	113,860	99,530	86,170	73,740	62,470
BCM0302L^ACD	6DJNF11ME	190,540	173,350	156,970	140,890	125,520	110,550	96,400	83,190	70,800

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
BCM0062L^ACD	**3DA3F28KE**	**57,600**	**51,310**	**45,480**	**40,090**	**35,130**	**-**	**26,500**	**22,730**	**19,320**
BCM0077L^ACD	**3DB3F33KE**	**67,790**	**60,420**	**53,640**	**47,370**	**41,600**	**36,320**	**31,470**	**26,980**	**22,840**
BCM0092L^ACD	**3DF3F40KE**	**81,790**	**72,940**	**64,740**	**57,110**	**50,080**	**43,640**	**37,770**	**32,410**	**27,500**
BCM0102L^ACD	**3DS3F46KE**	**90,570**	**81,350**	**72,720**	**64,630**	**57,090**	**50,100**	**43,660**	**37,680**	**32,170**
BCM0122L^ACD	**4DBNF54KE**	**101,820**	**91,100**	**81,330**	**72,230**	**63,790**	**55,860**	**48,310**	**40,980**	**33,710**
BCM0152L^ACD	**4DHNF63KE**	**118,060**	**106,160**	**95,070**	**84,780**	**75,120**	**66,040**	**57,460**	**49,170**	**41,050**
BCM0222L^ACD	**4DJNF76KE**	**137,670**	**124,880**	**112,690**	**100,880**	**89,600**	**78,890**	**68,560**	**58,560**	**48,790**
BCM0272L^ACD	**6DHNF93KE**	**168,430**	**153,170**	**138,000**	**123,150**	**108,560**	**94,570**	**81,610**	**69,470**	**58,340**
BCM0302L^ACD	**6DJNF11ME**	**-**	**164,940**	**149,460**	**134,170**	**119,490**	**104,990**	**91,410**	**78,590**	**66,480**

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
BCM0062L^ACD	3DA3F28KE	55,190	49,150	43,570	38,380	33,610	29,210	25,210	21,520	18,150
BCM0077L^ACD	3DB3F33KE	64,990	57,970	51,470	45,450	39,890	34,780	30,060	25,670	21,580
BCM0092L^ACD	3DF3F40KE	78,480	70,000	62,130	54,790	48,020	41,790	36,090	30,870	26,080
BCM0102L^ACD	3DS3F46KE	86,920	78,110	69,830	62,060	54,800	48,030	41,770	35,960	30,560
BCM0122L^ACD	4DBNF54KE	97,390	87,230	77,820	69,050	60,870	53,090	45,680	38,400	31,140
BCM0152L^ACD	4DHNF63KE	113,020	101,480	90,810	80,890	71,540	62,750	54,410	46,320	38,450
BCM0222L^ACD	4DJNF76KE	131,450	119,220	107,570	96,110	85,290	74,820	64,740	54,890	45,340
BCM0272L^ACD	6DHNF93KE	-	145,830	131,400	117,170	103,190	89,580	77,020	65,200	54,260
BCM0302L^ACD	6DJNF11ME	-	-	-	127,450	113,410	99,570	86,390	73,970	62,150

Notes:
^ C = 208-230/3/60, D = 460/3/60, E = 575/3/60
DEMAND COOLING IS REQUIRED FOR ALL APPLICATIONS

A1 PERFORMANCE DATA – R-404A/R-507A

Low Temperature Models - Discus™ Compressors (cont.)

Please consult AWEF table on page 48 to confirm DOE compliance per model

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
BCM0062L^ACD	3DA3F28KE	50,290	44,790	39,660	34,860	30,400	26,270	22,460	18,920	15,640
BCM0077L^ACD	3DB3F33KE	59,430	53,050	47,130	41,580	36,420	31,630	27,160	22,960	18,980
BCM0092L^ACD	3DF3F40KE	71,790	64,070	56,870	50,120	43,850	38,030	32,700	27,760	23,210
BCM0102L^ACD	3DS3F46KE	79,300	71,280	63,730	56,580	49,830	43,530	37,650	32,150	27,000
BCM0122L^ACD	4DBNF54KE	88,350	79,120	70,510	62,390	54,690	47,240	40,050	32,930	25,670
BCM0152L^ACD	4DHNF63KE	-	-	82,730	73,580	64,910	56,700	48,870	41,250	33,790
BCM0222L^ACD	4DJNF76KE	-	-	-	-	76,580	66,660	56,960	47,500	38,280
BCM0272L^ACD	6DHNF93KE	-	-	-	-	-	79,670	67,790	56,440	46,100
BCM0302L^ACD	6DJNF11ME	-	-	-	-	-	-	-	64,790	53,420

Notes:
^ C = 208-230/3/60, D = 460/3/60, E = 575/3/60
DEMAND COOLING IS REQUIRED FOR ALL APPLICATIONS

A1 PERFORMANCE DATA – R-448A/R-449A

Low Temperature Models - Discus™ Compressors

Please consult AWEF table on page 48 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
BCM0062L^ACD	3DA3F28KE	54,260	47,320	-	35,440	30,440	26,040	22,190	18,830	15,940
BCM0077L^ACD	3DB3F33KE	64,670	56,790	49,770	43,440	37,780	32,650	27,990	23,630	19,470
BCM0092L^ACD	3DF3F40KE	79,460	69,370	60,340	52,220	44,940	-	32,610	27,340	22,490
BCM0102L^ACD	3DS3F46KE	86,720	75,720	65,880	57,020	49,090	41,960	35,590	29,800	24,520
BCM0122L^ACD	4DBNF54KE	99,230	87,580	76,720	66,480	57,040	48,400	40,640	33,740	27,800
BCM0152L^ACD	4DHNF63KE	112,320	99,930	88,280	77,360	67,210	57,960	49,690	42,370	36,190
BCM0222L^ACD	4DJNF76KE	139,370	122,450	107,440	93,780	81,560	70,270	59,690	49,330	-
BCM0272L^ACD	6DHNF93KE	161,450	142,480	125,060	108,740	93,900	80,360	67,950	56,480	45,800
BCM0302L^ACD	6DJNF11ME	191,140	169,280	148,920	129,940	112,470	96,270	80,980	67,020	53,660

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
BCM0062L^ACD	**3DA3F28KE**	**52,270**	**45,480**	**-**	**33,900**	**29,010**	**24,710**	**20,950**	**17,650**	**14,820**
BCM0077L^ACD	**3DB3F33KE**	**62,390**	**54,650**	**47,760**	**41,530**	**35,980**	**30,910**	**26,330**	**22,030**	**17,930**
BCM0092L^ACD	**3DF3F40KE**	**76,470**	**66,640**	**57,830**	**49,910**	**42,760**	**36,400**	**30,650**	**25,440**	**20,640**
BCM0102L^ACD	**3DS3F46KE**	**83,420**	**72,710**	**63,120**	**54,460**	**46,690**	**39,720**	**33,430**	**27,730**	**22,480**
BCM0122L^ACD	**4DBNF54KE**	**95,230**	**84,020**	**73,420**	**63,470**	**54,270**	**45,820**	**-**	**31,440**	**25,590**
BCM0152L^ACD	**4DHNF63KE**	**107,890**	**95,900**	**84,620**	**74,060**	**64,220**	**55,230**	**47,190**	**40,050**	**33,990**
BCM0222L^ACD	**4DJNF76KE**	**133,880**	**117,420**	**102,810**	**89,420**	**77,480**	**66,400**	**56,010**	**45,790**	**35,610**
BCM0272L^ACD	**6DHNF93KE**	**154,650**	**136,280**	**119,370**	**103,600**	**88,980**	**75,760**	**63,590**	**52,300**	**41,740**
BCM0302L^ACD	**6DJNF11ME**	**182,500**	**161,400**	**141,690**	**123,250**	**106,240**	**90,210**	**75,560**	**61,690**	**48,480**

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
BCM0062L^ACD	3DA3F28KE	50,220	43,600	37,660	32,300	27,550	23,340	19,660	16,430	13,650
BCM0077L^ACD	3DB3F33KE	60,100	52,500	45,710	39,600	34,130	29,140	24,620	20,390	16,340
BCM0092L^ACD	3DF3F40KE	73,420	63,850	55,270	47,520	40,520	34,290	28,610	23,470	18,690
BCM0102L^ACD	3DS3F46KE	80,060	69,640	60,280	51,830	44,200	-	31,190	25,570	20,360
BCM0122L^ACD	4DBNF54KE	91,110	80,270	69,990	60,320	51,370	43,090	35,660	29,050	23,260
BCM0152L^ACD	4DHNF63KE	103,280	91,790	80,890	70,690	61,150	52,440	44,600	-	31,740
BCM0222L^ACD	4DJNF76KE	128,360	112,220	98,000	85,010	73,340	62,480	52,190	42,180	32,180
BCM0272L^ACD	6DHNF93KE	147,610	129,820	113,420	98,070	83,780	70,900	58,960	47,840	-
BCM0302L^ACD	6DJNF11ME	173,600	153,250	134,170	116,280	99,470	84,000	69,690	56,040	42,880

Notes:
^ C = 208-230/3/60, D = 460/3/60, E = 575/3/60
DEMAND COOLING IS REQUIRED FOR ALL APPLICATIONS

A1 PERFORMANCE DATA – R-448A/R-449A

Low Temperature Models - Discus™ Compressors (cont.)

Please consult AWEF table on page 48 to confirm DOE compliance per model

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
BCM0062L^ACD	3DA3F28KE	45,980	-	34,080	29,000	24,480	20,470	16,950	13,870	11,220
BCM0077L^ACD	3DB3F33KE	55,510	48,180	41,610	-	30,370	25,550	21,150	17,010	13,080
BCM0092L^ACD	3DF3F40KE	67,160	58,110	49,960	42,550	-	29,840	24,410	19,380	14,670
BCM0102L^ACD	3DS3F46KE	73,170	63,320	54,440	46,360	39,090	32,540	26,560	21,070	15,930
BCM0122L^ACD	4DBNF54KE	82,610	72,410	62,760	53,660	45,120	37,330	30,220	23,840	18,180
BCM0152L^ACD	4DHNF63KE	94,150	83,480	73,400	63,810	54,880	46,680	39,260	32,750	27,120
BCM0222L^ACD	4DJNF76KE	117,240	102,200	88,490	76,220	64,960	54,510	44,540	-	25,140
BCM0272L^ACD	6DHNF93KE	132,820	116,200	100,770	86,140	72,830	60,410	48,790	37,940	-
BCM0302L^ACD	6DJNF11ME	-	-	118,390	101,800	85,930	70,990	57,120	43,640	-

Notes:
^ C = 208-230/3/60, D = 460/3/60, E = 575/3/60
DEMAND COOLING IS REQUIRED FOR ALL APPLICATIONS

A1 PERFORMANCE DATA – R-407A/R-407F

Low Temperature Models - Discus™ Compressors

Please consult AWEF table on page 48 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
BCM0062L^ACD	3DA3F28KE	55,800	48,670	42,260	36,510	31,320	26,640	22,370	18,400	14,670
BCM0077L^ACD	3DB3F33KE	66,650	58,610	51,410	44,860	38,900	33,450	28,360	23,500	18,750
BCM0092L^ACD	3DF3F40KE	81,670	71,310	62,020	53,620	46,010	39,120	32,840	27,000	21,530
BCM0102L^ACD	3DS3F46KE	88,990	77,750	67,630	58,490	50,230	42,690	35,830	29,460	23,480
BCM0122L^ACD	4DBNF54KE	101,710	89,990	78,960	68,480	58,670	49,580	41,200	33,590	26,760
BCM0152L^ACD	4DHNF63KE	114,730	102,360	90,610	79,500	69,020	59,240	50,250	41,970	34,470
BCM0222L^ACD	4DJNF76KE	143,210	126,110	110,360	95,810	82,820	71,220	61,210	52,770	45,990
BCM0272L^ACD	6DHNF93KE	163,030	144,440	127,300	110,890	95,900	81,720	68,550	55,820	43,370
BCM0302L^ACD	6DJNF11ME	191,800	170,680	150,780	132,010	114,450	97,760	81,680	66,570	51,740

R-407A/R-407F		Capacity BTUH @ 95°F Ambient by SST								
Model	Compressor	0°F	-5°F	-10°F	-15°F	-20°F	-25°F	-30°F	-35°F	-40°F
BCM0062L^ACD	**3DA3F28KE**	**53,560**	**46,640**	**40,410**	**34,820**	**29,760**	**25,190**	**21,010**	**17,110**	**13,450**
BCM0077L^ACD	**3DB3F33KE**	**64,090**	**56,240**	**49,190**	**42,780**	**36,950**	**31,600**	**26,610**	**21,860**	**17,200**
BCM0092L^ACD	**3DF3F40KE**	**78,340**	**68,300**	**59,270**	**51,100**	**43,680**	**36,940**	**30,810**	**25,110**	**19,730**
BCM0102L^ACD	**3DS3F46KE**	**85,320**	**74,420**	**64,610**	**55,720**	**47,670**	**40,310**	**33,600**	**27,350**	**21,490**
BCM0122L^ACD	**4DBNF54KE**	**97,340**	**86,080**	**75,380**	**65,210**	**55,710**	**46,830**	**38,700**	**31,270**	**24,620**
BCM0152L^ACD	**4DHNF63KE**	**109,890**	**97,930**	**86,620**	**75,920**	**65,790**	**56,330**	**47,600**	**39,570**	**32,260**
BCM0222L^ACD	**4DJNF76KE**	**136,810**	**120,420**	**105,220**	**91,120**	**78,620**	**67,550**	**58,080**	**50,200**	**43,990**
BCM0272L^ACD	**6DHNF93KE**	**155,740**	**137,790**	**121,160**	**105,330**	**90,650**	**76,990**	**64,030**	**51,550**	**39,320**
BCM0302L^ACD	**6DJNF11ME**	**183,140**	**162,310**	**143,100**	**124,880**	**107,860**	**91,440**	**76,140**	**61,230**	**46,680**

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
BCM0062L^ACD	3DA3F28KE	51,300	44,580	38,540	33,100	28,170	23,710	19,620	15,800	12,210
BCM0077L^ACD	3DB3F33KE	61,550	53,860	46,960	40,690	34,980	29,730	24,860	20,180	15,610
BCM0092L^ACD	3DF3F40KE	74,960	65,230	56,470	48,530	41,310	34,740	28,740	23,160	17,870
BCM0102L^ACD	3DS3F46KE	81,620	71,060	61,530	52,890	45,030	37,880	31,330	25,200	19,460
BCM0122L^ACD	4DBNF54KE	92,840	82,000	71,650	61,820	52,600	43,970	36,050	28,810	22,320
BCM0152L^ACD	4DHNF63KE	105,000	93,470	82,570	72,280	62,490	53,350	44,890	37,060	29,970
BCM0222L^ACD	4DJNF76KE	130,660	114,610	99,810	86,320	74,370	63,810	54,860	47,520	41,870
BCM0272L^ACD	6DHNF93KE	148,220	130,860	114,830	99,390	85,170	71,890	59,230	46,920	34,950
BCM0302L^ACD	6DJNF11ME	173,830	153,670	135,150	117,550	101,000	85,000	70,110	55,560	41,150

Notes:
^ C = 208-230/3/60, D = 460/3/60, E = 575/3/60
DEMAND COOLING IS REQUIRED FOR ALL APPLICATIONS

A1 PERFORMANCE DATA – R-407A/R-407F

Low Temperature Models - Discus™ Compressors (cont.)

Please consult AWEF table on page 48 to confirm DOE compliance per model

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
BCM0062L^ACD	3DA3F28KE	46,690	40,370	34,710	29,570	24,920	20,660	16,770	13,100	-
BCM0077L^ACD	3DB3F33KE	56,470	49,120	42,500	36,500	31,010	25,950	21,260	16,760	12,350
BCM0092L^ACD	3DF3F40KE	68,110	59,000	50,770	43,260	36,450	30,220	24,510	19,160	14,050
BCM0102L^ACD	3DS3F46KE	74,090	64,220	55,270	47,140	39,700	32,910	26,660	20,840	15,270
BCM0122L^ACD	4DBNF54KE	83,630	73,500	63,860	54,680	45,980	37,900	30,420	23,580	17,340
BCM0152L^ACD	4DHNF63KE	94,960	84,460	74,490	64,870	55,770	47,230	39,310	31,950	25,210
BCM0222L^ACD	4DJNF76KE	117,750	102,660	88,950	76,640	65,600	56,070	48,140	41,840	37,210
BCM0272L^ACD	6DHNF93KE	132,580	116,490	101,440	86,980	73,680	60,970	48,890	37,030	25,500
BCM0302L^ACD	6DJNF11ME	-	-	118,550	102,420	86,610	71,560	57,280	43,140	29,370

Notes:
^ C = 208-230/3/60, D = 460/3/60, E = 575/3/60
DEMAND COOLING IS REQUIRED FOR ALL APPLICATIONS

A1 PERFORMANCE DATA – R-407C

Low Temperature Models - Discus™ Compressors

Please consult AWEF table on page 48 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
BCM0062L^ACD	3DA3F28KE	47,570	41,460	35,870	30,790	26,180	22,040	18,320	14,990	-
BCM0077L^ACD	3DB3F33KE	56,850	49,950	43,630	37,850	32,550	27,720	23,330	19,300	15,600
BCM0092L^ACD	3DF3F40KE	68,280	60,200	52,600	45,480	38,870	32,710	27,080	21,860	17,130
BCM0102L^ACD	3DS3F46KE	74,050	65,010	56,660	-	41,780	35,270	29,320	23,910	18,980
BCM0122L^ACD	4DBNF54KE	87,960	76,680	66,370	56,930	-	40,640	33,690	27,460	21,840
BCM0152L^ACD	4DHNF63KE	99,750	87,480	76,390	66,230	56,980	-	41,110	34,320	28,090
BCM0222L^ACD	4DJNF76KE	115,920	101,080	88,050	76,610	66,490	57,450	-	41,350	33,710
BCM0272L^ACD	6DHNF93KE	143,140	126,640	110,560	95,320	80,880	67,680	55,660	44,980	35,980
BCM0302L^ACD	6DJNF11ME	165,390	146,430	128,330	110,770	94,430	79,110	65,590	53,270	42,800

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
BCM0062L^ACD	**3DA3F28KE**	**45,880**	**39,930**	**34,470**	**29,510**	**25,000**	**20,920**	**17,270**	**14,000**	**-**
BCM0077L^ACD	**3DB3F33KE**	**54,840**	**48,070**	**41,840**	**36,170**	**30,960**	**26,240**	**21,920**	**17,990**	**14,360**
BCM0092L^ACD	**3DF3F40KE**	**66,110**	**58,010**	**50,480**	**43,440**	**36,940**	**30,920**	**25,460**	**20,480**	**15,990**
BCM0102L^ACD	**3DS3F46KE**	**71,610**	**62,710**	**54,470**	**46,900**	**39,900**	**33,520**	**27,710**	**22,440**	**17,670**
BCM0122L^ACD	**4DBNF54KE**	**84,670**	**73,610**	**63,530**	**54,270**	**45,900**	**38,370**	**31,550**	**25,440**	**19,900**
BCM0152L^ACD	**4DHNF63KE**	**95,950**	**84,000**	**73,210**	**63,310**	**54,280**	**46,150**	**38,840**	**32,180**	**26,090**
BCM0222L^ACD	**4DJNF76KE**	**111,880**	**97,510**	**84,890**	**73,810**	**63,960**	**55,150**	**47,070**	**39,350**	**31,820**
BCM0272L^ACD	**6DHNF93KE**	**137,800**	**121,660**	**105,940**	**90,930**	**76,840**	**63,730**	**51,730**	**41,230**	**32,200**
BCM0302L^ACD	**6DJNF11ME**	**158,710**	**140,260**	**122,650**	**105,480**	**89,350**	**74,580**	**61,020**	**48,950**	**38,450**

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
BCM0062L^ACD	3DA3F28KE	44,160	38,350	33,020	28,170	23,740	19,750	16,160	-	-
BCM0077L^ACD	3DB3F33KE	52,800	-	40,050	34,460	29,330	24,690	20,460	16,570	12,980
BCM0092L^ACD	3DF3F40KE	63,860	55,780	48,290	41,330	34,940	29,060	23,790	19,020	14,760
BCM0102L^ACD	3DS3F46KE	69,050	60,300	52,190	44,730	37,920	31,660	26,040	20,900	16,310
BCM0122L^ACD	4DBNF54KE	81,180	70,410	60,520	51,510	43,320	35,970	29,280	23,270	17,860
BCM0152L^ACD	4DHNF63KE	92,050	80,490	69,930	60,290	51,490	43,550	36,430	29,900	24,000
BCM0222L^ACD	4DJNF76KE	107,600	93,750	81,550	70,830	61,260	52,630	44,730	37,210	29,730
BCM0272L^ACD	6DHNF93KE	132,380	116,580	101,280	86,420	72,570	59,510	47,720	37,170	28,150
BCM0302L^ACD	6DJNF11ME	151,990	134,040	116,890	100,090	84,260	69,800	56,380	44,540	34,080

Notes:
^ C = 208-230/3/60, D = 460/3/60, E = 575/3/60
DEMAND COOLING IS REQUIRED FOR ALL APPLICATIONS

A1 PERFORMANCE DATA – R-407C

Low Temperature Models - Discus™ Compressors (cont.)

Please consult AWEF table on page 48 to confirm DOE compliance per model

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
BCM0062L^ACD	3DA3F28KE	40,510	34,950	29,900	25,220	20,980	17,130	13,640	-	-
BCM0077L^ACD	3DB3F33KE	48,720	42,250	36,350	30,900	25,940	21,390	17,280	13,480	-
BCM0092L^ACD	3DF3F40KE	59,060	51,030	-	36,910	30,710	25,160	20,200	15,820	12,050
BCM0102L^ACD	3DS3F46KE	63,410	54,940	47,190	40,060	33,530	27,600	22,270	17,460	13,170
BCM0122L^ACD	4DBNF54KE	73,780	63,560	54,140	45,620	37,810	30,690	24,360	18,570	13,310
BCM0152L^ACD	4DHNF63KE	83,930	73,060	63,070	53,870	45,570	38,080	31,290	25,030	19,380
BCM0222L^ACD	4DJNF76KE	98,190	85,310	74,080	64,000	54,930	46,770	39,260	32,000	24,730
BCM0272L^ACD	6DHNF93KE	121,190	106,250	91,460	77,290	63,660	50,930	39,440	28,920	19,910
BCM0302L^ACD	6DJNF11ME	-	121,460	105,170	89,120	74,010	59,750	46,930	35,180	24,720

Notes:
^ C = 208-230/3/60, D = 460/3/60, E = 575/3/60
DEMAND COOLING IS REQUIRED FOR ALL APPLICATIONS

A2L UNIT SPECIFICATIONS

Medium & Low Temperature Models - Discus™ Compressors

Please consult AWEF table on page 47-48 to confirm DOE compliance per model

Model	Compressor	Refrigerant Line Connections (OD)		Rec. Capacity @90% full (lbs)	Condenser Fan Data		Dimensions (In.)			Net Wt.
		Liquid	Suction		No. Fans	Dia.	Length	Width	Height	(lbs.)
BCM0062L^ACE	3YA3F21KE	7/8	2-1/8	123	2	30"	170.7	48.9	53.9	2,080
BCM0077L^ACE	3YB3F24KE	7/8	2-1/8	123	2	30"	170.7	48.9	53.9	2,050
BCM0092L^ACE	3YF3F29KE	7/8	2-1/8	123	2	30"	170.7	48.9	53.9	2,050
BCM0102L^ACE	3YS3F33KE	7/8	2-1/8	123	2	30"	170.7	48.9	53.9	2,080
BCM0122L^ACE	4YBNF40KE	7/8	2-1/8	123	2	30"	170.7	48.9	53.9	2,180
BCM0152L^ACE	4YHNF46KE	7/8	2-1/8	123	2	30"	170.7	48.9	53.9	2,220
BCM0222L^ACE	4YJNF59KE	7/8	2-1/8	123	2	30"	170.7	48.9	53.9	2,180
BCM0272L^ACE	6YHNF68KE	1-1/8	2-1/8	123	2	30"	170.7	48.9	53.9	2,330
BCM0302L^ACE	6YJNF84KE	1-1/8	2-1/8	123	2	30"	170.7	48.9	53.9	2,330
BCM0077M^ACE	2YL3R73KE	7/8	2-1/8	123	2	30"	170.7	48.9	53.9	2,020
BCM0078M^ACE	2YA3R82KE	7/8	2-1/8	123	2	30"	170.7	48.9	53.9	2,010
BCM0082M^ACE	3YA3R99KE	7/8	2-1/8	123	2	30"	170.7	48.9	53.9	2,080
BCM0102M^ACE	3YB3R11ME	7/8	2-1/8	123	2	30"	170.7	48.9	53.9	2,080
BCM0122M^ACE	3YF3R14ME	7/8	2-1/8	123	2	30"	170.7	48.9	53.9	2,080
BCM0152M^ACE	3YS3R16ME	7/8	2-1/8	123	2	30"	170.7	48.9	53.9	2,080
BCM0202M^ACE	4YBNR19ME	7/8	2-1/8	123	2	30"	170.7	48.9	53.9	2,190
BCM0252M^ACE	4YHNR22ME	1-1/8	2-1/8	123	3	30"	225.7	48.9	53.9	2,630
BCM0302M^ACE	4YJNR27ME	1-1/8	2-1/8	188	3	30"	225.7	48.9	53.9	2,630
BCM0352M^ACE	6YHNR32ME	1-1/8	2-1/8	188	3	30"	225.7	48.9	53.9	2,790
BCM0402M*ACE	6YJNR39ME	1-1/8	2-1/8	188	4	30"	280.1	48.9	55.9	3,240

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

A1 UNIT SPECIFICATIONS

Medium & Low Temperature Models - Discus™ Compressors

Please consult AWEF table on pages 47-48 to confirm DOE compliance per model

Model	Compressor	Refrigerant Line Connections (OD)		Rec. Capacity @90% full (lbs)	Condenser Fan Data		Dimensions (In.)			Net Wt.
		Liquid	Suction		No. Fans	Dia.	Length	Width	Height	(lbs.)
BCM0062L^ACD	3DA3F28KE	7/8	2-1/8	123	2	30"	170.7	49.6	54.6	2,120
BCM0077L^ACD	3DB3F33KE	7/8	2-1/8	123	2	30"	170.7	49.6	54.6	2,120
BCM0092L^ACD	3DF3F40KE	7/8	2-1/8	123	2	30"	170.7	49.6	54.6	2,120
BCM0102L^ACD	3DS3F46KE	7/8	2-1/8	123	2	30"	170.7	49.6	54.6	2,120
BCM0122L^ACD	4DBNF54KE	7/8	2-1/8	123	2	30"	170.7	49.6	54.6	2,120
BCM0152L^ACD	4DHNF63KE	7/8	2-1/8	123	2	30"	170.7	49.6	54.6	2,120
BCM0222L^ACD	4DJNF76KE	7/8	2-1/8	123	2	30"	170.7	49.6	54.6	2,120
BCM0272L^ACD	6DHNF93KE	1-1/8	2-1/8	123	2	30"	170.7	49.6	54.6	2,180
BCM0302L^ACD	6DJNF11ME	1-1/8	2-1/8	123	2	30"	170.7	49.6	54.6	2,200
BCM0077M^ACD	2DL3R78KE	7/8	2-1/8	123	2	30"	170.7	49.6	54.6	1,780
BCM0078M^ACD	2DA3R89KE	7/8	2-1/8	123	2	30"	170.7	49.6	54.6	1,780
BCM0082M^ACD	3DA3R10ME	7/8	2-1/8	123	2	30"	170.7	49.6	54.6	1,780
BCM0102M^ACD	3DB3R12ME	7/8	2-1/8	123	2	30"	170.7	49.6	54.6	1,780
BCM0122M^ACD	3DF3R15ME	7/8	2-1/8	123	2	30"	170.7	49.6	54.6	1,780
BCM0152M^ACD	3DS3R17ME	7/8	2-1/8	123	2	30"	170.7	49.6	54.6	1,780
BCM0202M^ACD	4DBNR20ME	7/8	2-1/8	123	2	30"	170.7	49.6	54.6	1,860
BCM0252M^ACD	4DHNR22ME	1-1/8	2-1/8	123	3	30"	225.7	49.6	54.6	1,950
BCM0302M^ACD	4DJNR28ME	1-1/8	2-1/8	188	3	30"	225.7	49.6	54.6	1,950
BCM0352M^ACD	6DHNR35ME	1-1/8	2-1/8	188	3	30"	225.7	49.6	54.6	2,800
BCM0402M*ACD	6DJNR40ME	1-1/8	2-1/8	188	4	30"	280.7	49.6	54.6	3,000

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

A2L ELECTRICAL DATA

Medium Temperature Models - Mohave 208-230V

Please consult AWEF table on page 47 to confirm DOE compliance per model

Model	Compressor	Compressor		Condenser		Independent Power		Remote Loads: Evap Powered From CU			
								Evap. Fan Amps	Defrost Htrs.Amps	Electric Defrost	
		RLA	LRA	No. Fans	FLA (Total)	MCA	MOPD			MCA	MOPD
BCM0077M^ACE	2YL3R73KE	28.3	169	2	7	42.4	70	7.8	7.8	50.2	70
BCM0078M^ACE	2YA3R82KE	28.7	169	2	7	42.9	70	7.8	7.8	50.7	70
BCM0082M^ACE	3YA3R99KE	36.8	215	2	7	53.0	80	10.4	10.4	63.4	100
BCM0102M^ACE	3YB3R11ME	39.1	215	2	7	55.9	90	13.8	13.8	69.7	100
BCM0122M^ACE	3YF3R14ME	43.2	275	2	7	61.0	100	13.8	13.8	74.8	110
BCM0152M^ACE	3YS3R16ME	53.5	275	2	7	73.9	125	19.8	19.8	93.7	125
BCM0202M^ACE	4YBNR19ME	64.7	374	2	13.2	94.1	150	21	21	115.1	175
BCM0252M^ACE	4YHNR22ME	66.8	428	3	10.5	94.0	150	27.6	27.6	121.6	175
BCM0302M^ACE	4YJNR27ME	94.6	470	3	10.5	128.8	200	39.6	39.6	168.4	250
BCM0352M^ACE	6YHNR32ME	112.3	565	3	19.8	160.2	250	42	42	202.2	300
BCM0402M^ACE	6YJNR39ME	128.2	594	4	14	174.3	300	—	—	—	—

A2L ELECTRICAL DATA

Medium Temperature Models - Mohave 460V

Please consult AWEF table on page 47 to confirm DOE compliance per model

Model	Compressor	Compressor		Condenser		Independent Power		Remote Loads: Evap Powered From CU			
								Evap. Fan Amps	Defrost Htrs.Amps	Electric Defrost	
		RLA	LRA	No. Fans	FLA (Total)	MCA	MOPD			MCA	MOPD
BCM0077M^ACE	2YL3R73KE	12.4	85	2	3.4	20.0	30	3	3	21.9	30
BCM0078M^ACE	2YA3R82KE	12.6	85	2	3.4	20.0	30	3	3	22.2	30
BCM0082M^ACE	3YA3R99KE	17.9	106	2	3.4	25.8	40	4.7	4.7	30.5	45
BCM0102M^ACE	3YB3R11ME	17.9	106	2	3.4	25.8	40	6.9	6.9	32.7	50
BCM0122M^ACE	3YF3R14ME	21.2	138	2	3.4	29.9	50	6.9	6.9	36.8	50
BCM0152M^ACE	3YS3R16ME	26.0	138	2	3.4	35.9	60	9.9	9.9	45.8	70
BCM0202M^ACE	4YBNR19ME	32.4	187	2	6.6	47.1	70	10.5	10.5	57.6	80
BCM0252M^ACE	4YHNR22ME	33.4	214	3	5.1	46.9	80	13.8	13.8	60.7	90
BCM0302M^ACE	4YJNR27ME	47.3	235	3	5.1	64.2	110	19.8	19.8	84.0	125
BCM0352M^ACE	6YHNR32ME	56.2	283	3	9.9	80.2	125	21	21	101.2	150
BCM0402M^ACE	6YJNR39ME	64.1	297	4	6.8	86.9	150	28	28	114.9	175

Notes:
^ C = 208-230/3/60, D = 460/3/60
MCA = Minimum Circuit Ampacity
MOP = Maximum Overcurrent Protection

A2L ELECTRICAL DATA

Medium Temperature Models - Mohave 575V

Please consult AWEF table on page 47 to confirm DOE compliance per model

Model	Compressor	Compressor		Condenser		Independent Power		Remote Loads: Evap Powered From CU			
								Evap. Fan Amps	Defrost Htrs.Amps	Electric Defrost	
		RLA	LRA	No. Fans	FLA (Total)	MCA	MOPD			MCA	MOPD
BCM0077M^ACE	2YL3R73KE	11.9	67	2	2.72	20.0	25	1.5	1.5	20.0	30
BCM0078M^ACE	2YA3R82KE	11.9	67	2	2.72	20.0	25	1.5	1.5	20.0	30
BCM0082M^ACE	3YA3R99KE	14.7	84	2	2.72	21.1	35	2.4	2.4	23.5	35
BCM0102M^ACE	3YB3R11ME	14.8	84	2	2.72	21.2	35	3.5	3.5	24.7	35
BCM0152M^ACE	3YS3R16ME	21.2	110	2	2.72	29.2	50	5	5	34.2	50
BCM0202M^ACE	4YBNR19ME	28.2	135	2	5.28	40.5	60	5.3	5.3	45.8	70
BCM0252M^ACE	4YHNR22ME	29.9	172	3	4.08	41.5	70	6.9	6.9	48.4	70
BCM0302M^ACE	4YJNR27ME	39.6	200	3	4.08	53.6	90	9.9	9.9	63.5	100
BCM0352M^ACE	6YHNR32ME	36.5	230	3	7.92	53.5	90	10.5	10.5	64.0	100
BCM0402M^ACE	6YJNR39ME	46.2	245	4	5.44	63.2	100	14	14	77.2	110

Notes:
E = 575/3/60
MCA = Minimum Circuit Ampacity
MOP = Maximum Overcurrent Protection

A1 ELECTRICAL DATA

Medium Temperature Models - Mohave 208-230V

Please consult AWEF table on page 48 to confirm DOE compliance per model

Model	Compressor	Compressor		Condenser		Independent Power		Remote Loads: Evap Powered From CU			
								Evap. Fan Amps	Defrost Htrs.Amps	Electric Defrost	
		RLA	LRA	No. Fans	FLA (Total)	MCA	MOPD			MCA	MOPD
BCM0077MΛACD	2DL3R78KE	28.3	169.0	2	7	42.4	70	7.8	7.8	50.2	70.0
BCM0078MΛACD	2DA3R89KE	28.7	169.0	2	7	42.9	70	7.8	7.8	50.7	70.0
BCM0082MΛACD	3DA3R10ME	36.8	215.0	2	7	53.0	80	10.4	10.4	63.4	100.0
BCM0102MΛACD	3DB3R12ME	39.1	215.0	2	7	55.9	90	13.8	13.8	69.7	100.0
BCM0122MΛACD	3DF3R15ME	43.2	275.0	2	7	61.0	100	13.8	13.8	74.8	110.0
BCM0152MΛACD	3DS3R17ME	53.5	275.0	2	7	73.9	125	19.8	19.8	93.7	125.0
BCM0202MΛACD	4DBNR20ME	64.7	374.0	2	14	94.9	150	21	21	115.9	175.0
BCM0252MΛACD	4DHNR22ME	66.8	428.0	3	10.5	94.0	150	27.6	27.6	121.6	175.0
BCM0302MΛACD	4DJNR28ME	94.6	470.0	3	10.5	128.8	200	39.6	39.6	168.4	250.0
BCM0352MΛACD	6DHNR35ME	112.3	565.0	3	19.8	160.2	250	42	42	202.2	300.0
BCM0402M*ACD	6DJNR40ME	128.2	594.0	4	26.4	186.7	300	56	56	242.7	350.0

A1 ELECTRICAL DATA

Medium Temperature Models - Mohave 460V

Please consult AWEF table on page 48 to confirm DOE compliance per model

Model	Compressor	Compressor		Condenser		Independent Power		Remote Loads: Evap Powered From CU			
								Evap. Fan Amps	Defrost Htrs.Amps	Electric Defrost	
		RLA	LRA	No. Fans	FLA (Total)	MCA	MOPD			MCA	MOPD
BCM0077MΛACD	2DL3R78KE	12.4	85.0	2	3.4	20.0	30	3	3	21.9	30.0
BCM0078MΛACD	2DA3R89KE	12.6	85.0	2	3.4	20.0	30	3	3	22.2	30.0
BCM0082MΛACD	3DA3R10ME	17.9	106.0	2	3.4	25.8	40	4.7	4.7	30.5	45.0
BCM0102MΛACD	3DB3R12ME	17.9	106.0	2	3.4	25.8	40	6.9	6.9	32.7	50.0
BCM0122MΛACD	3DF3R15ME	21.2	138.0	2	3.4	29.8	50	6.9	6.9	36.7	50.0
BCM0152MΛACD	3DS3R17ME	26.0	138.0	2	3.4	35.9	60	9.9	9.9	45.8	70.0
BCM0202MΛACD	4DBNR20ME	32.4	187.0	2	7	47.5	70	10.5	10.5	58.0	90.0
BCM0252MΛACD	4DHNR22ME	33.4	214.0	3	5.1	46.8	80	13.8	13.8	60.6	90.0
BCM0302MΛACD	4DJNR28ME	47.3	235.0	3	5.1	64.2	110	19.8	19.8	84.0	125.0
BCM0352MΛACD	6DHNR35ME	56.2	283.0	3	9.9	80.1	125	21	21	101.1	150.0
BCM0402M*ACD	6DJNR40ME	64.1	297.0	4	13.2	93.3	150	28	28	121.3	175.0

Notes:
Λ C = 208-230/3/60, D = 460/3/60
* K = 230/3/60
MCA = Minimum Circuit Ampacity
MOP = Maximum Overcurrent Protection

A1 ELECTRICAL DATA

Medium Temperature Models - Mohave 575V

Please consult AWEF table on page 48 to confirm DOE compliance per model

Model	Compressor	Compressor		Condenser		Independent Power		Remote Loads: Evap Powered From CU			
								Evap. Fan Amps	Defrost Htrs.Amps	Electric Defrost	
		RLA	LRA	No. Fans	FLA (Total)	MCA	MOPD			MCA	MOPD
BCM0077MEACD	2DL3R78KE	11.9	67.0	2	2.7	20.0	25	1.5	1.5	20.0	30.0
BCM0078MEACD	2DA3R89KE	11.9	67.0	2	2.7	20.0	25	1.5	1.5	20.0	30.0
BCM0082MEACD	3DA3R10ME	14.7	84.0	2	2.7	21.1	35	2.4	2.4	23.5	35.0
BCM0102MEACD	3DB3R12ME	14.8	84.0	2	2.7	21.2	35	3.5	3.5	24.7	35.0
BCM0152MEACD	3DS3R17ME	21.2	110.0	2	2.7	29.2	50	5.0	5.0	34.1	50.0
BCM0202MEACD	4DBNR20ME	28.2	135.0	2	5.6	40.9	60	5.3	5.3	46.1	70.0
BCM0252MEACD	4DHNR22ME	29.9	172.0	3	4.1	41.4	70	6.9	6.9	48.3	70.0
BCM0302MEACD	4DJNR28ME	39.6	200.0	3	4.1	53.6	90	9.9	9.9	63.5	100.0
BCM0352MEACD	6DHNR35ME	36.5	230.0	3	7.9	53.6	90	10.5	10.5	64.1	100.0
BCM0402MEACD	6DJNR40ME	46.2	245.0	4	10.6	68.3	110	14.0	14.0	82.3	125.0

Notes:
E = 575/3/60
MCA = Minimum Circuit Ampacity
MOP = Maximum Overcurrent Protection

A2L ELECTRICAL DATA

Low Temperature Models - Mohave 208-230V

Please consult AWEF table on page 47 to confirm DOE compliance per model

Model	Compressor	Compressor		Condenser		Independent Power		Remote Loads: Evap Powered From CU			
								Evap. Fan Amps	Defrost Htrs.Amps	Electric Defrost	
		RLA	LRA	No. Fans	FLA (Total)	MCA	MOPD			MCA	MOPD
BCM0062L^ACE	3YA3F21KE	24.0	150	2	7	37.0	60	12	12	49.0	70
BCM0077L^ACE	3YB3F24KE	27.6	161	2	7	41.5	60	18	18	59.5	80
BCM0092L^ACE	3YF3F29KE	33.2	215	2	7	48.5	80	24	24	72.5	100
BCM0102L^ACE	3YS3F33KE	37.2	215	2	7	53.5	90	24	24	77.5	110
BCM0122L^ACE	4YBNF40KE	46.0	220	2	7	64.5	110	24	24	88.5	125
BCM0152L^ACE	4YHNF46KE	47.2	278	2	13.2	72.2	110	24.6	24.6	96.8	125
BCM0222L^ACE	4YJNF59KE	57.7	374	2	13.2	85.3	125	24.6	24.6	109.9	150
BCM0272L^ACE	6YHNF68KE	72.4	450	2	7	97.5	150	24.6	24.6	122.1	175
BCM0302L^ACE	6YJNF84KE	85.8	470	2	7	114.3	200	24.6	24.6	138.9	200

A2L ELECTRICAL DATA

Low Temperature Models - Mohave 460V

Please consult AWEF table on page 47 to confirm DOE compliance per model

Model	Compressor	Compressor		Condenser		Independent Power		Remote Loads: Evap Powered From CU			
								Evap. Fan Amps	Defrost Htrs.Amps	Electric Defrost	
		RLA	LRA	No. Fans	FLA (Total)	MCA	MOPD			MCA	MOPD
BCM0062L^ACE	3YA3F21KE	10.8	77	2	3.4	20.0	25	6	6	22.9	30
BCM0077L^ACE	3YB3F24KE	14.1	83	2	3.4	21.0	35	9	9	30.0	40
BCM0092L^ACE	3YF3F29KE	15.0	106	2	3.4	22.1	35	12	12	34.2	45
BCM0102L^ACE	3YS3F33KE	16.7	106	2	3.4	24.3	40	12	12	36.3	50
BCM0122L^ACE	4YBNF40KE	23.0	110	2	3.4	32.1	50	12	12	44.2	60
BCM0152L^ACE	4YHNF46KE	23.6	139	2	6.6	36.1	50	12.3	12.3	48.4	70
BCM0222L^ACE	4YJNF59KE	28.8	187	2	6.6	42.6	70	12.3	12.3	54.9	80
BCM0272L^ACE	6YHNF68KE	36.2	225	2	3.4	48.6	80	12.3	12.3	61.0	90
BCM0302L^ACE	6YJNF84KE	42.9	235	2	3.4	57.0	90	12.3	12.3	69.3	110

Notes:
^ C = 208-230/3/60, D = 460/3/60
MCA = Minimum Circuit Ampacity
MOP = Maximum Overcurrent Protection

A2L ELECTRICAL DATA

Low Temperature Models - Mohave 575V

Please consult AWEF table on page 47 to confirm DOE compliance per model

Model	Compressor	Compressor		Condenser		Independent Power		Remote Loads Evap Powered From CU			
		RLA	LRA	No. Fans	FLA (Total)	MCA	MOPD	Evap. Fan Amps	Defrost Htrs.Amps	Electric Defrost MCA	Electric Defrost MOPD
BCM0062L^ACE	3YA3F21KE	9.4	62	2	2.72	15.0	20	3	3	20.0	25
BCM0077L^ACE	3YB3F24KE	9.9	67	2	2.72	20.0	20	4.5	4.5	20.0	25
BCM0092L^ACE	3YF3F29KE	14.1	84	2	2.72	20.3	30	6	6	26.3	40
BCM0102L^ACE	3YS3F33KE	14.6	84	2	2.72	21.0	35	6	6	27.0	40
BCM0122L^ACE	4YBNF40KE	15.6	106	2	2.72	22.2	35	6	6	28.2	40
BCM0152L^ACE	4YHNF46KE	18.8	113	2	5.28	28.8	45	6.2	6.2	35.0	50
BCM0222L^ACE	4YJNF59KE	26.1	135	2	5.28	37.9	60	6.2	6.2	44.1	70
BCM0272L^ACE	6YHNF68KE	29.2	172	2	2.72	39.2	60	6.2	6.2	45.4	70
BCM0302L^ACE	6YJNF84KE	35.5	200	2	2.72	47.1	80	6.2	6.2	53.3	80

Notes:
E = 575/3/60
MCA = Minimum Circuit Ampacity
MOP = Maximum Overcurrent Protection

A1 ELECTRICAL DATA

Low Temperature Models - Mohave 208-230V

Please consult AWEF table on page 48 to confirm DOE compliance per model

Model	Compressor	Compressor		Condenser		Independent Power		Remote Loads: Evap Powered From CU			
		RLA	LRA	No. Fans	FLA (Total)	MCA	MOPD	Evap. Fan Amps	Defrost Htrs.Amps	Electric Defrost MCA	Electric Defrost MOPD
BCM0062LΛACD	3DA3F28KE	24.0	150.0	2	7	37.0	60	12	12	49.0	70.0
BCM0077LΛACD	3DB3F33KE	27.6	161.0	2	7	41.5	60	18	18	59.5	80.0
BCM0092LΛACD	3DF3F40KE	33.2	215.0	2	7	48.5	80	24	24	72.5	100.0
BCM0102LΛACD	3DS3F46KE	37.2	215.0	2	7	53.5	90	24	24	77.5	110.0
BCM0122LΛACD	4DBNF54KE	46.0	220.0	2	7	64.5	110	24	24	88.5	125.0
BCM0152LΛACD	4DHNF63KE	47.2	278.0	2	7	66.0	110	24.6	24.6	90.6	125.0
BCM0222LΛACD	4DJNF76KE	57.7	374.0	2	7	79.1	125	24.6	24.6	103.7	150.0
BCM0272LΛACD	6DHNF93KE	72.4	450.0	2	7	97.5	150	24.6	24.6	122.1	175.0
BCM0302LΛACD	6DJNF11ME	85.8	470.0	2	7	114.2	175	24.6	24.6	138.8	200.0

A1 ELECTRICAL DATA

Low Temperature Models - Mohave 460V

Please consult AWEF table on page 48 to confirm DOE compliance per model

Model	Compressor	Compressor		Condenser		Independent Power		Remote Loads: Evap Powered From CU			
		RLA	LRA	No. Fans	FLA (Total)	MCA	MOPD	Evap. Fan Amps	Defrost Htrs.Amps	Electric Defrost MCA	Electric Defrost MOPD
BCM0062LΛACD	3DA3F28KE	10.8	77.0	2	3.4	20.0	25	6	6	22.9	30.0
BCM0077LΛACD	3DB3F33KE	14.1	83.0	2	3.4	21.0	35	9	9	30.0	40.0
BCM0092LΛACD	3DF3F40KE	15.0	106.0	2	3.4	22.2	35	12	12	34.2	45.0
BCM0102LΛACD	3DS3F46KE	16.7	106.0	2	3.4	24.2	40	12	12	36.2	50.0
BCM0122LΛACD	4DBNF54KE	23.0	110.0	2	3.4	32.2	50	12	12	44.2	60.0
BCM0152LΛACD	4DHNF63KE	23.6	139.0	2	3.4	32.9	50	12.3	12.3	45.2	60.0
BCM0222LΛACD	4DJNF76KE	28.8	187.0	2	3.4	39.5	60	12.3	12.3	51.8	80.0
BCM0272LΛACD	6DHNF93KE	36.2	225.0	2	3.4	48.7	80	12.3	12.3	61.0	90.0
BCM0302LΛACD	6DJNF11ME	42.9	235.0	2	3.4	57.0	90	12.3	12.3	69.3	110.0

Notes:
Λ C = 208-230/3/60, D = 460/3/60
MCA = Minimum Circuit Ampacity
MOP = Maximum Overcurrent Protection

A1 ELECTRICAL DATA

Low Temperature Models - Mohave 575V

Please consult AWEF table on page 48 to confirm DOE compliance per model

Model	Compressor	Compressor		Condenser		Independent Power		Remote Loads Evap Powered From CU			
								Evap. Fan Amps	Defrost Htrs.Amps	Electric Defrost	
		RLA	LRA	No. Fans	FLA (Total)	MCA	MOPD			MCA	MOPD
BCM0062LEACD	3DA3F28KE	9.4	62.0	2	2.7	15.0	20	3.0	3.0	20.0	25.0
BCM0077LEACD	3DB3F33KE	9.9	67.0	2	2.7	20.0	20	4.5	4.5	20.0	25.0
BCM0092LEACD	3DF3F40KE	14.1	84.0	2	2.7	20.3	30	6.0	6.0	26.3	40.0
BCM0102LEACD	3DS3F46KE	14.6	84.0	2	2.7	20.9	35	6.0	6.0	26.9	40.0
BCM0122LEACD	4DBNF54KE	15.6	106.0	2	2.7	22.2	35	6.0	6.0	28.2	40.0
BCM0152LEACD	4DHNF63KE	18.8	113.0	2	2.7	26.2	40	6.2	6.2	32.4	50.0
BCM0222LEACD	4DJNF76KE	26.1	135.0	2	2.7	35.3	60	6.2	6.2	41.5	60.0
BCM0272LEACD	6DHNF93KE	29.2	172.0	2	2.7	39.2	60	6.2	6.2	45.4	70.0
BCM0302LEACD	6DJNF11ME	35.5	200.0	2	5.6	50.0	80	6.2	6.2	56.2	90.0

Notes:
E = 575/3/60
MCA = Minimum Circuit Ampacity
MOP = Maximum Overcurrent Protection

AWEF DATA – MEDIUM TEMPERATURE

Medium Temperature Models - Dual Copeland Discus™ Compressors

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	A2L			A1				
	R-454A	R-454C	R-455A	R-404A/ R-507A	R-448A/ R-449A	R-407A	R-407C	R-407F
BCM0077M^AC±	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
BCM0078M^AC±	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
BCM0082M^AC±	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
BCM0102M^AC±	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
BCM0122M^AC±	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
BCM0152M^AC±	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
BCM0202M^AC±	7.6	7.6	7.6	–	–	–	–	7.6
BCM0252M^AC±	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
BCM0302M^AC±	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
BCM0352M^AC±	7.6	7.6	7.6	7.6	7.6	–	–	7.6
BCM0402M^AC±	7.6	7.6	7.6	–	–	–	–	7.6

Notes:
^ C = 208-230/3/60, D = 460/3/60
± E = A2L/A1 Discus Compressor, D = A1 Discus Compressor
— = model is not DOE AWEF compliant

AWEF DATA – LOW TEMPERATURE

Low Temperature Models - Dual Copeland Discus™ Compressors

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

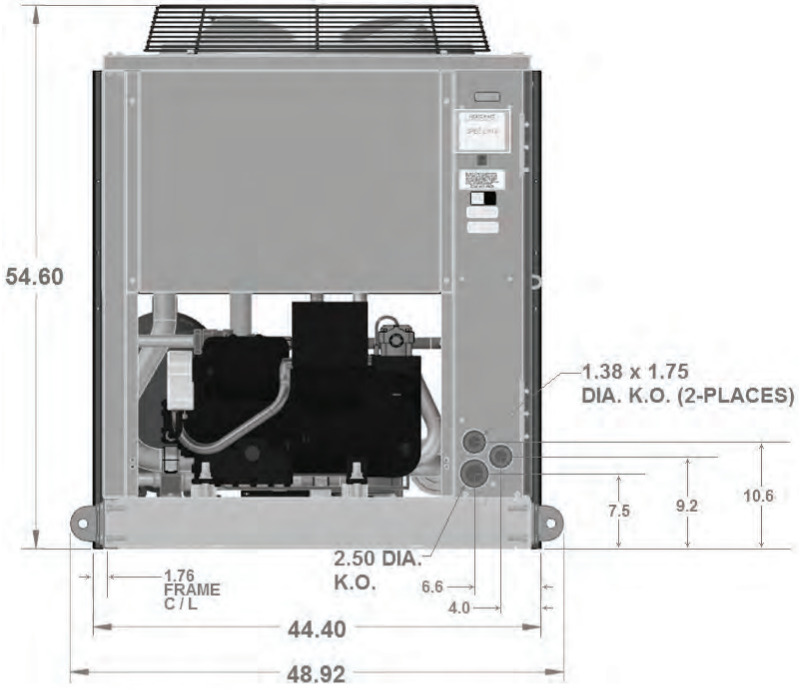
Model	A2L			A1				
	R-454A	R-454C	R-455A	R-404A/ R-507A	R-448A/ R-449A	R-407A	R-407C	R-407F
BCM0062L^AC±	3.15	3.15	3.15	3.15	3.15	3.15	–	3.15
BCM0077L^AC±	3.15	3.15	3.15	3.15	3.15	3.15	–	3.15
BCM0092L^AC±	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15
BCM0102L^AC±	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15
BCM0122L^AC±	3.15	3.15	3.15	3.15	–	3.15	3.15	3.15
BCM0152L^AC±	3.15	3.15	3.15	3.15	–	–	–	3.15
BCM0222L^AC±	3.15	3.15	3.15	3.15	–	–	3.15	3.15
BCM0272L^AC±	3.15	3.15	–	–	–	–	–	3.15
BCM0302L^AC±	–	–	–	–	–	–	–	–

Notes:
^ C = 208-230/3/60, D = 460/3/60
± E = A2L/A1 Discus Compressor, D = A1 Discus Compressor
— = model is not DOE AWEF compliant

DIMENSIONAL DRAWINGS

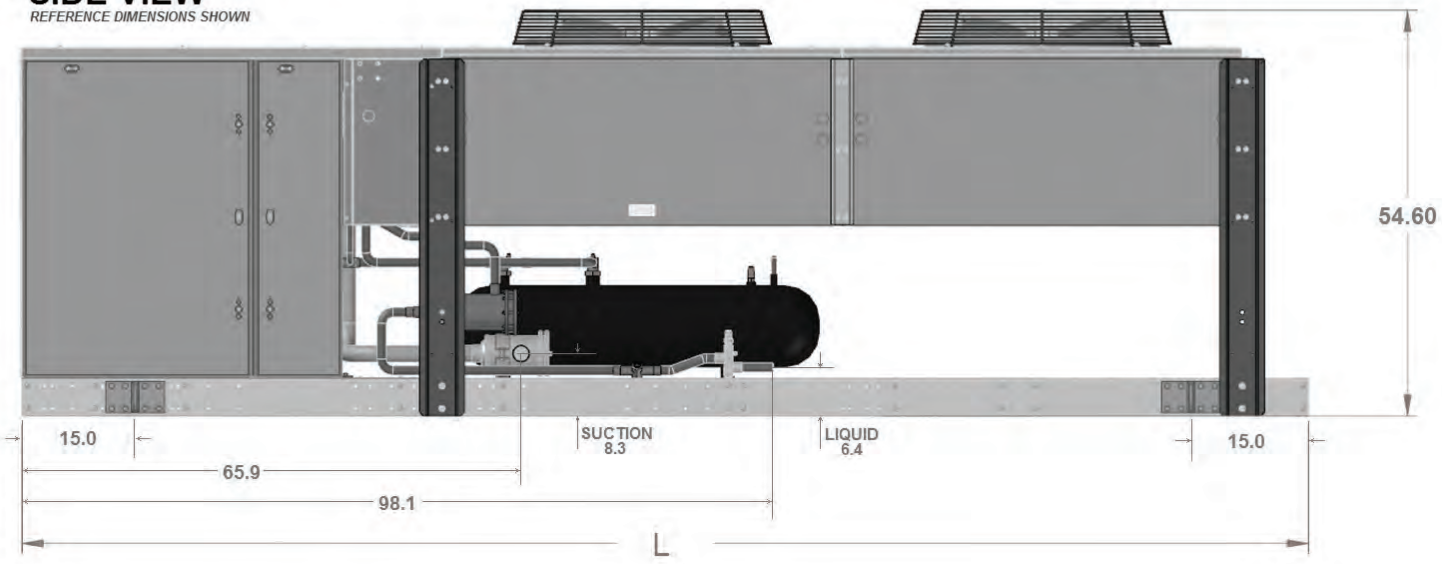
END VIEW

REFERENCE DIMENSIONS SHOWN



SIDE VIEW

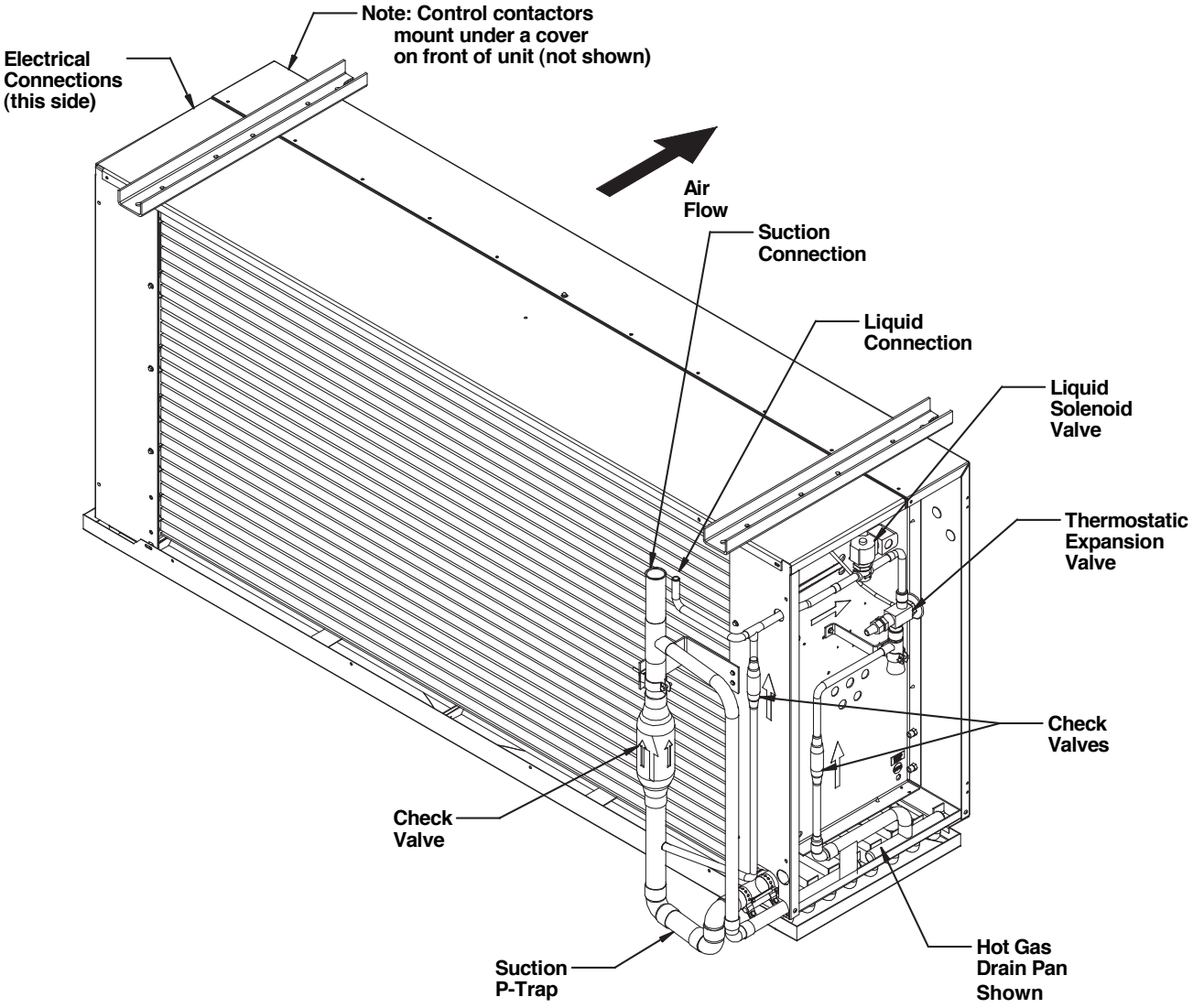
REFERENCE DIMENSIONS SHOWN



Unit length L can be found in unit specification tables on page 24

MEDIUM PROFILE UNIT COOLERS WITH HOT GAS DEFROST

Hot Gas Unit Cooler Typical Factory Piping



A2L PERFORMANCE DATA

Application Capacity: Low Temperature Hot Gas Defrost- 60 Hz (For EC and PSC Motors)

Please consult AWEF table on page 59 to confirm model meets DOE minimum AWEF

Please refer to Table 1: Capacity Correction Factors (page 6) if using Saturated Suction Temperatures different than listed in the information below

	R454A/R-454C/ R-455A			R-454A/R-454C/ R-455A									
	Application Capacity[1]			Application Capacity[1]			Fan Data		Air Throw		Minimum Room Area (sq. ft.)		
	10°F TD/-20°F SST			6°C TD/-4°C SST									
New Model	R454A	R454C	R455A	R454A	R454C	R455A	No. of Fans	CFM Data	Ft. Diffused (Opt.)	Ft. Extended (Std.)	R455A	R454C	R454A
BEM0225*Y4H^A	20,651	17,985	20,268	6,052	5,271	5,940	2	4,731	45	60	275	408	428
BEM0250*Y4H^A	24,321	21,197	23,969	7,128	6,212	7,025	2	4,731	45	60	370	550	576
BEM0250*Y6H^A	23,817	20,348	22,995	6,980	5,963	6,739	2	4,538	45	60	275	408	428
BEM0300*Y6H^A	27,809	23,786	27,085	8,150	6,971	7,938	2	4,345	45	60	370	550	576
BEM0325*Y4H^A	30,322	26,431	29,721	8,887	7,746	8,710	3	7,096	45	60	388	577	604
BEM0370*Y6H^A	34,949	29,888	33,698	10,243	8,759	9,876	3	6,807	45	60	388	577	604
BEM0420*Y4H^A	38,630	34,185	38,421	11,321	10,019	11,260	3	6,734	45	60	338	501	525
BEM0475*Y6H^A	44,531	38,362	43,577	13,051	11,243	12,771	3	6,517	45	60	338	501	525
BEM0490*Y4H^A	42,787	37,976	42,890	12,540	11,130	12,570	4	8,786	45	60	541	803	841
BEM0595*Y6H^A	52,488	45,471	51,724	15,383	13,326	15,159	4	8,496	45	60	541	803	841
BEM0620*Y4H^A	53,965	48,455	54,761	15,816	14,201	16,049	4	8,400	45	60	547	812	850
BEM0735*Y6H^A	64,931	57,328	64,931	19,029	16,801	19,029	4	8,110	45	60	547	812	850

Notes:

[1] = Capacities shown are Application Capacities reflecting nominal operation at 10°F TD. For models within the scope of the DOE AWEF (Annual Walk-in Energy Factor) standard, the Net Capacity is determined by the AHRI 1250 test method. DOE will publish this compliance data at www.regulations.doe.gov

* = Electrical Code Designator (see Nomenclature details)

^ = Motor Code Designator (see Nomenclature details)

Net Capacity is available upon request

A1 PERFORMANCE DATA

Application Capacity: Low Temperature Hot Gas Defrost- 60 Hz (For EC and PSC Motors)

Please consult AWEF table on page 60 to confirm model meets DOE minimum AWEF

Please refer to Table 1: Capacity Correction Factors (page 6) if using Saturated Suction Temperatures different than listed in the information below

			R-404A/R-507A		R-448A/R-449A											
			Application Capacity[1]		Application Capacity[1]		Fan Data			Air Throw						
			10°F TD/ -20°F SST	6°C TD/ -29°C SST	10°F TD/ -20°F SST	6°C TD/ -29°C SST				Diameter		Standard (Molded Fan Guard)		Diffused (Wire Fan Guard)		
FPI	New Model	Legacy Model	BTUH	Watts	BTUH	Watts	No. of Fans	CFM	m^3H	in.	mm	ft.	m	ft.	m
6	BEM0250*S6H^A	BMG190	19,600	5,750	25,000	7,350	2	4,450	7,731	18	457	60	18.5	45	14
6	BEM0300*S6H^A	BMG260	26,000	7,600	29,600	8,650	2	4,350	7,391	18	457	60	18.5	45	14
6	BEM0370*S6H^A	BMG310	31,000	9,100	36,650	10,750	3	6,800	11,553	18	457	60	18.5	45	14
6	BEM0475*S6H^A	BMG390	39,000	11,450	47,100	13,800	3	6,500	11,044	18	457	60	18.5	45	14
6	BEM0595*S6H^A	BMG430	43,750	12,800	59,150	17,350	4	8,500	14,442	18	457	60	18.5	45	14
6	BEM0735*S6H^A	BMG520	53,750	15,750	73,350	21,500	4	8,100	13,762	18	457	60	18.5	45	14
4	BEM0225*S4H^A	BMF165	17,100	5,000	21,500	6,300	2	4,750	8,070	18	457	60	18.5	45	14
4	BEM0250*S4H^A	BMF220	22,000	6,450	25,500	7,450	2	4,550	7,731	18	457	60	18.5	45	14
4	BEM0325*S4H^A	BMF250	25,000	7,350	32,500	9,500	3	7,100	12,063	18	457	60	18.5	45	14
4	BEM0420*S4H^A	BMF330	33,000	9,650	41,650	12,200	3	6,750	11,468	18	457	60	18.5	45	14
4	BEM0490*S4H^A	BMF370	37,000	10,850	48,750	14,300	4	8,800	14,951	18	457	60	18.5	45	14
4	BEM0620*S4H^A	BMF440	45,400	13,300	61,650	18,050	4	8,400	14,272	18	457	60	18.5	45	14

			R-407A/R-407F		R-407C											
			Application Capacity[1]		Application Capacity[1]		Fan Data			Air Throw						
			10°F TD/ -20°F SST	6°C TD/ -29°C SST	10°F TD/ -20°F SST	6°C TD/ -29°C SST				Diameter		Standard (Molded Fan Guard)		Diffused (Wire Fan Guard)		
FPI	New Model	Legacy Model	BTUH	Watts	BTUH	Watts	No. of Fans	CFM	m^3H	in.	mm	ft.	m	ft.	m
6	BEM0250*S6H^A	BMG190	21,650	6,350	20,500	6,000	2	4,450	7,731	18	457	60	18.5	45	14
6	BEM0300*S6H^A	BMG260	28,500	8,350	28,500	8,350	2	4,350	7,391	18	457	60	18.5	45	14
6	BEM0370*S6H^A	BMG310	34,000	9,950	34,000	9,950	3	6,800	11,553	18	457	60	18.5	45	14
6	BEM0475*S6H^A	BMG390	43,000	12,600	43,000	12,600	3	6,500	11,044	18	457	60	18.5	45	14
6	BEM0595*S6H^A	BMG430	49,150	14,400	46,500	13,650	4	8,500	14,442	18	457	60	18.5	45	14
6	BEM0735*S6H^A	BMG520	61,250	17,950	57,000	16,700	4	8,100	13,762	18	457	60	18.5	45	14
4	BEM0225*S4H^A	BMF165	18,750	5,500	18,750	5,500	2	4,750	8,070	18	457	60	18.5	45	14
4	BEM0250*S4H^A	BMF220	24,000	7,050	24,000	7,050	2	4,550	7,731	18	457	60	18.5	45	14
4	BEM0325*S4H^A	BMF250	27,900	8,200	27,000	7,900	3	7,100	12,063	18	457	60	18.5	45	14
4	BEM0420*S4H^A	BMF330	36,500	10,700	36,500	10,700	3	6,750	11,468	18	457	60	18.5	45	14
4	BEM0490*S4H^A	BMF370	40,500	11,850	40,000	11,700	4	8,800	14,951	18	457	60	18.5	45	14
4	BEM0620*S4H^A	BMF440	51,250	15,000	48,500	14,200	4	8,400	14,272	18	457	60	18.5	45	14

Notes:

[1] = Capacities shown are Application Capacities reflecting nominal operation at 10°F TD. For models within the scope of the DOE AWEF (Annual Walk-in Energy Factor) standard, the Net Capacity is determined by the AHRI 1250 test method. DOE will publish this compliance data at www.regulations.doe.gov

* = Electrical Code Designator (see Nomenclature details)

^ = Motor Code Designator (see Nomenclature details)

Net Capacity is available upon request

A1 PERFORMANCE DATA

Application Capacity: Low Temperature Hot Gas Defrost- 50 Hz (For PSC Motors)†

Please consult AWEF table on page 60 to confirm model meets DOE minimum AWEF

Please refer to Table 1: Capacity Correction Factors (page 6) if using Saturated Suction Temperatures different than listed in the information below

			R-404A/R-507A		R-448A/R-449A											
			Application Capacity[1]		Application Capacity[1]		Fan Data			Air Throw						
			10°F TD/ -20°F SST	6°C TD/ -29°C SST	10°F TD/ -20°F SST	6°C TD/ -29°C SST				Diameter		Standard (Molded Fan Guard)		Diffused (Wire Fan Guard)		
FPI	New Model	Legacy Model	BTUH	Watts	BTUH	Watts	No. of Fans	CFM	m^3H	in.	mm	ft.	m	ft.	m	
6	BEM0250*S6H^A	BMG190	18,050	5,300	23,000	6,750	2	4,095	6,957	18	457	55	17	40	13	
6	BEM0300*S6H^A	BMG260	23,900	7,000	27,250	8,000	2	4,345	7,382	18	457	55	17	40	13	
6	BEM0370*S6H^A	BMG310	28,500	8,350	33,700	9,900	3	6,807	11,565	18	457	55	17	40	13	
6	BEM0475*S6H^A	BMG390	35,900	10,500	43,350	12,700	3	6,517	11,072	18	457	55	17	40	13	
6	BEM0595*S6H^A	BMG430	40,250	11,800	54,400	15,950	4	8,496	14,435	18	457	55	17	40	13	
6	BEM0735*S6H^A	BMG520	49,450	14,500	67,500	19,800	4	8,110	13,779	18	457	55	17	40	13	
4	BEM0225*S4H^A	BMF165	15,750	4,600	19,800	5,800	2	4,731	8,038	18	457	55	17	40	13	
4	BEM0250*S4H^A	BMF220	20,250	5,950	23,450	6,850	2	4,538	7,710	18	457	55	17	40	13	
4	BEM0325*S4H^A	BMF250	23,000	6,750	29,900	8,750	3	7,096	12,056	18	457	55	17	40	13	
4	BEM0420*S4H^A	BMF330	30,350	8,900	38,300	11,200	3	6,734	11,441	18	457	55	17	40	13	
4	BEM0490*S4H^A	BMF370	34,050	10,000	44,850	13,150	4	8,786	14,928	18	457	55	17	40	13	
4	BEM0620*S4H^A	BMF440	41,750	12,250	56,700	16,600	4	8,400	14,272	18	457	55	17	40	13	

			R-407A/R-407F		R-407C											
			Application Capacity[1]		Application Capacity[1]		Fan Data			Air Throw						
			10°F TD/ -20°F SST	6°C TD/ -29°C SST	10°F TD/ -20°F SST	6°C TD/ -29°C SST				Diameter		Standard (Molded Fan Guard)		Diffused (Wire Fan Guard)		
FPI	New Model	Legacy Model	BTUH	Watts	BTUH	Watts	No. of Fans	CFM	m^3H	in.	mm	ft.	m	ft.	m	
6	BEM0250*S6H^A	BMG190	19,900	5,850	18,850	5,500	2	4,095	6,957	18	457	55	17	40	13	
6	BEM0300*S6H^A	BMG260	26,200	7,700	26,200	7,700	2	4,345	7,382	18	457	55	17	40	13	
6	BEM0370*S6H^A	BMG310	31,300	9,150	31,300	9,150	3	6,807	11,565	18	457	55	17	40	13	
6	BEM0475*S6H^A	BMG390	39,550	11,600	39,550	11,600	3	6,517	11,072	18	457	55	17	40	13	
6	BEM0595*S6H^A	BMG430	45,200	13,250	42,800	12,550	4	8,496	14,435	18	457	55	17	40	13	
6	BEM0735*S6H^A	BMG520	56,350	16,500	52,450	15,350	4	8,110	13,779	18	457	55	17	40	13	
4	BEM0225*S4H^A	BMF165	17,250	5,050	17,250	5,050	2	4,731	8,038	18	457	55	17	40	13	
4	BEM0250*S4H^A	BMF220	22,100	6,500	22,100	6,500	2	4,538	7,710	18	457	55	17	40	13	
4	BEM0325*S4H^A	BMF250	25,650	7,500	24,850	7,300	3	7,096	12,056	18	457	55	17	40	13	
4	BEM0420*S4H^A	BMF330	33,600	9,850	33,600	9,850	3	6,734	11,441	18	457	55	17	40	13	
4	BEM0490*S4H^A	BMF370	37,250	10,900	36,800	10,800	4	8,786	14,928	18	457	55	17	40	13	
4	BEM0620*S4H^A	BMF440	47,150	13,800	44,600	13,050	4	8,400	14,272	18	457	55	17	40	13	

Notes:

[1] = Capacities shown are Application Capacities reflecting nominal operation at 10°F TD. For models within the scope of the DOE AWEF (Annual Walk-in Energy Factor) standard, the Net Capacity is determined by the AHRI 1250 test method. DOE will publish this compliance data at www.regulations.doe.gov

* = Electrical Code Designator (see Nomenclature details)

^ = Motor Code Designator (see Nomenclature details)

† = For single speed and 2-speed EC motors, use 60 Hz capacity and airflow values. (units with EC motors operating at 50 Hz will not see a reduction in performance due to the electronic control of the motor)

Net Capacity is available upon request

A2L PERFORMANCE DATA

Application Capacity: Medium Temperature Hot Gas Defrost- 60 Hz (For EC and PSC Motors)

Please consult AWEF table on page 59 to confirm model meets DOE minimum AWEF

Please refer to Table 1: Capacity Correction Factors (page 6) if using Saturated Suction Temperatures different than listed in the information below

	R454A/R-454C/ R-455A			R-454A/R-454C/ R-455A									
	Application Capacity[1]			Application Capacity[1]			Fan Data		Air Throw		Minimum Room Area (sq. ft.)		
	10°F TD/25°F SST			6°C TD/-4°C SST									
New Model	R454A	R454C	R455A	R454A	R454C	R455A	No. of Fans	CFM Data	Ft. Diffused (Opt.)	Ft. Extended (Std.)	R455A	R454C	R454A
BEM0225*Y4H^A	22,247	21,497	24,397	6,520	6,300	7,150	2	4,731	45	60	275	408	428
BEM0250*Y4H^A	27,543	26,178	30,272	8,072	7,672	8,872	2	4,731	45	60	370	550	576
BEM0250*Y6H^A	30,791	23,639	33,550	9,024	6,928	9,833	2	4,538	45	60	275	408	428
BEM0300*Y6H^A	32,074	30,218	35,104	9,400	8,856	10,288	2	4,345	45	60	370	550	576
BEM0325*Y4H^A	33,678	32,620	36,954	9,870	9,560	10,830	3	7,096	45	60	388	577	604
BEM0370*Y6H^A	39,827	34,364	40,862	11,672	10,071	11,975	3	6,807	45	60	388	577	604
BEM0420*Y4H^A	41,437	39,526	45,777	12,144	11,584	13,416	3	6,734	45	60	338	501	525
BEM0475*Y6H^A	53,118	50,265	58,372	15,567	14,731	17,107	3	6,517	45	60	338	501	525
BEM0490*Y4H^A	46,064	44,426	59,626	13,500	13,020	17,475	4	8,786	45	60	541	803	841
BEM0595*Y6H^A	61,284	60,729	66,881	17,961	17,798	19,601	4	8,496	45	60	541	803	841
BEM0620*Y4H^A	61,765	54,219	66,185	18,102	15,890	19,397	4	8,400	45	60	547	812	850
BEM0735*Y6H^A	72,769	68,767	80,455	21,326	20,154	23,579	4	8,110	45	60	547	812	850

Notes:

[1] = Capacities shown are Application Capacities reflecting nominal operation at 10°F TD. For models within the scope of the DOE AWEF (Annual Walk-in Energy Factor) standard, the Net Capacity is determined by the AHRI 1250 test method. DOE will publish this compliance data at www.regulations.doe.gov

* = Electrical Code Designator (see Nomenclature details)

^ = Motor Code Designator (see Nomenclature details)

Net Capacity is available upon request

A1 PERFORMANCE DATA

Application Capacity: Medium Temperature Hot Gas Defrost- 60 Hz (For EC and PSC Motors)

Please consult AWEF table on page 60 to confirm model meets DOE minimum AWEF

Please refer to Table 1: Capacity Correction Factors (page 6) if using Saturated Suction Temperatures different than listed in the information below

			R-404A/R-507A		R-448A/R-449A											
			Application Capacity[1]		Application Capacity[1]		Fan Data			Air Throw						
			10°F TD/ 25°F SST	6°C TD/ -4°C SST	10°F TD/ 25°F SST	6°C TD/ -4°C SST				Diameter		Standard (Molded Fan Guard)		Diffused (Wire Fan Guard)	
FPI	New Model	Legacy Model	BTUH	Watts	BTUH	Watts	No. of Fans	CFM	m^3H	in.	mm	ft.	m	ft.	m
6	BEM0250*S6H^A	BMG190	22,750	6,650	29,000	8,500	2	4,450	7,731	18	457	60	18.5	45	14
6	BEM0300*S6H^A	BMG260	29,900	8,750	34,350	10,050	2	4,350	7,391	18	457	60	18.5	45	14
6	BEM0370*S6H^A	BMG310	35,650	10,450	42,500	12,450	3	6,800	11,553	18	457	60	18.5	45	14
6	BEM0475*S6H^A	BMG390	44,850	13,150	54,650	16,000	3	6,500	11,044	18	457	60	18.5	45	14
6	BEM0595*S6H^A	BMG430	49,450	14,500	68,600	20,100	4	8,500	14,442	18	457	60	18.5	45	14
6	BEM0735*S6H^A	BMG520	62,350	18,250	85,100	24,950	4	8,100	13,762	18	457	60	18.5	45	14
4	BEM0225*S4H^A	BMF165	19,850	5,800	25,650	7,500	2	4,750	8,070	18	457	60	18.5	45	14
4	BEM0250*S4H^A	BMF220	25,300	7,400	27,600	8,100	2	4,550	7,731	18	457	60	18.5	45	14
4	BEM0325*S4H^A	BMF250	29,000	8,500	37,700	11,050	3	7,100	12,063	18	457	60	18.5	45	14
4	BEM0420*S4H^A	BMF330	37,950	11,100	48,300	14,150	3	6,750	11,468	18	457	60	18.5	45	14
4	BEM0490*S4H^A	BMF370	42,500	12,450	56,550	16,550	4	8,800	14,951	18	457	60	18.5	45	14
4	BEM0620*S4H^A	BMF440	52,650	15,450	71,500	20,950	4	8,400	14,272	18	457	60	18.5	45	14

			R-407A/R-407F		R-407C											
			Application Capacity[1]		Application Capacity[1]		Fan Data			Air Throw						
			10°F TD/ 25°F SST	6°C TD/ -4°C SST	10°F TD/ 25°F SST	6°C TD/ -4°C SST				Diameter		Standard (Molded Fan Guard)		Diffused (Wire Fan Guard)	
FPI	New Model	Legacy Model	BTUH	Watts	BTUH	Watts	No. of Fans	CFM	m^3H	in.	mm	ft.	m	ft.	m
6	BEM0250*S6H^A	BMG190	25,100	7,350	23,600	6,900	2	4,450	7,731	18	457	60	18.5	45	14
6	BEM0300*S6H^A	BMG260	32,750	9,600	32,800	9,600	2	4,350	7,391	18	457	60	18.5	45	14
6	BEM0370*S6H^A	BMG310	39,100	11,450	39,100	11,450	3	6,800	11,553	18	457	60	18.5	45	14
6	BEM0475*S6H^A	BMG390	49,450	14,500	49,450	14,500	3	6,500	11,044	18	457	60	18.5	45	14
6	BEM0595*S6H^A	BMG430	57,000	16,700	53,500	15,700	4	8,500	14,442	18	457	60	18.5	45	14
6	BEM0735*S6H^A	BMG520	71,000	20,800	65,550	19,200	4	8,100	13,762	18	457	60	18.5	45	14
4	BEM0225*S4H^A	BMF165	21,750	6,350	20,700	6,050	2	4,750	8,070	18	457	60	18.5	45	14
4	BEM0250*S4H^A	BMF220	27,600	8,100	27,600	8,100	2	4,550	7,731	18	457	60	18.5	45	14
4	BEM0325*S4H^A	BMF250	32,350	9,500	31,050	9,100	3	7,100	12,063	18	457	60	18.5	45	14
4	BEM0420*S4H^A	BMF330	41,950	12,300	41,950	12,300	3	6,750	11,468	18	457	60	18.5	45	14
4	BEM0490*S4H^A	BMF370	46,850	13,750	46,000	13,500	4	8,800	14,951	18	457	60	18.5	45	14
4	BEM0620*S4H^A	BMF440	59,500	17,450	55,750	16,350	4	8,400	14,272	18	457	60	18.5	45	14

Notes:

[1] = Capacities shown are Application Capacities reflecting nominal operation at 10°F TD. For models within the scope of the DOE AWEF (Annual Walk-in Energy Factor) standard, the Net Capacity is determined by the AHRI 1250 test method. DOE will publish this compliance data at www.regulations.doe.gov

* = Electrical Code Designator (see Nomenclature details)

^ = Motor Code Designator (see Nomenclature details)

Net Capacity is available upon request

A1 PERFORMANCE DATA

Application Capacity: Medium Temperature Hot Gas Defrost- 50 Hz (For PSC Motors)†

Please consult AWEF table on page 60 to confirm model meets DOE minimum AWEF

Please refer to Table 1: Capacity Correction Factors (page 6) if using Saturated Suction Temperatures different than listed in the information below

			R-404A/R-507A		R-448A/R-449A					Air Throw					
			Application Capacity[1]		Application Capacity[1]		Fan Data			Diameter		Standard (Molded Fan Guard)		Diffused (Wire Fan Guard)	
FPI	New Model	Legacy Model	10°F TD/ 25°F SST	6°C TD/ -4°C SST	10°F TD/ 25°F SST	6°C TD/ -4°C SST	No. of Fans	CFM	m^3H	in.	mm	ft.	m	ft.	m
			BTUH	Watts	BTUH	Watts									
6	BEM0250*S6H^A	BMG190	20,950	6,150	26,700	7,800	2	4,095	6,957	18	457	55	17	40	13
6	BEM0300*S6H^A	BMG260	27,500	8,050	31,600	9,250	2	4,345	7,382	18	457	55	17	40	13
6	BEM0370*S6H^A	BMG310	32,800	9,600	39,100	11,450	3	6,807	11,565	18	457	55	17	40	13
6	BEM0475*S6H^A	BMG390	41,250	12,100	50,300	14,750	3	6,517	11,072	18	457	55	17	40	13
6	BEM0595*S6H^A	BMG430	45,500	13,350	63,100	18,500	4	8,496	14,435	18	457	55	17	40	13
6	BEM0735*S6H^A	BMG520	57,350	16,800	78,300	22,950	4	8,110	13,779	18	457	55	17	40	13
4	BEM0225*S4H^A	BMF165	18,250	5,350	23,600	6,900	2	4,731	8,038	18	457	55	17	40	13
4	BEM0250*S4H^A	BMF220	23,300	6,850	25,400	7,450	2	4,538	7,710	18	457	55	17	40	13
4	BEM0325*S4H^A	BMF250	26,700	7,800	34,700	10,150	3	7,096	12,056	18	457	55	17	40	13
4	BEM0420*S4H^A	BMF330	34,900	10,250	44,450	13,050	3	6,734	11,441	18	457	55	17	40	13
4	BEM0490*S4H^A	BMF370	39,150	11,450	52,050	15,250	4	8,786	14,928	18	457	55	17	40	13
4	BEM0620*S4H^A	BMF440	48,450	14,200	65,800	19,300	4	8,400	14,272	18	457	55	17	40	13

			R-407A/R-407F		R-407C					Air Throw					
			Application Capacity[1]		Application Capacity[1]		Fan Data			Diameter		Standard (Molded Fan Guard)		Diffused (Wire Fan Guard)	
FPI	New Model	Legacy Model	10°F TD/ 25°F SST	6°C TD/ -4°C SST	10°F TD/ 25°F SST	6°C TD/ -4°C SST	No. of Fans	CFM	m^3H	in.	mm	ft.	m	ft.	m
			BTUH	Watts	BTUH	Watts									
6	BEM0250*S6H^A	BMG190	23,100	6,750	21,700	6,350	2	4,095	6,957	18	457	55	17	40	13
6	BEM0300*S6H^A	BMG260	30,150	8,850	30,200	8,850	2	4,345	7,382	18	457	55	17	40	13
6	BEM0370*S6H^A	BMG310	35,950	10,550	35,950	10,550	3	6,807	11,565	18	457	55	17	40	13
6	BEM0475*S6H^A	BMG390	45,500	13,350	45,500	13,350	3	6,517	11,072	18	457	55	17	40	13
6	BEM0595*S6H^A	BMG430	52,450	15,350	49,200	14,400	4	8,496	14,435	18	457	55	17	40	13
6	BEM0735*S6H^A	BMG520	65,300	19,150	60,300	17,650	4	8,110	13,779	18	457	55	17	40	13
4	BEM0225*S4H^A	BMF165	20,000	5,850	19,050	5,600	2	4,731	8,038	18	457	55	17	40	13
4	BEM0250*S4H^A	BMF220	25,400	7,450	25,400	7,450	2	4,538	7,710	18	457	55	17	40	13
4	BEM0325*S4H^A	BMF250	29,750	8,700	28,550	8,350	3	7,096	12,056	18	457	55	17	40	13
4	BEM0420*S4H^A	BMF330	38,600	11,300	38,600	11,300	3	6,734	11,441	18	457	55	17	40	13
4	BEM0490*S4H^A	BMF370	43,100	12,650	42,300	12,400	4	8,786	14,928	18	457	55	17	40	13
4	BEM0620*S4H^A	BMF440	54,750	16,050	51,300	15,050	4	8,400	14,272	18	457	55	17	40	13

Notes:

[1] = Capacities shown are Application Capacities reflecting nominal operation at 10°F TD. For models within the scope of the DOE AWEF (Annual Walk-in Energy Factor) standard, the Net Capacity is determined by the AHRI 1250 test method. DOE will publish this compliance data at www.regulations.doe.gov

* = Electrical Code Designator (see Nomenclature details)

^ = Motor Code Designator (see Nomenclature details)

† = For single speed and 2-speed EC motors, use 60 Hz capacity and airflow values. (units with EC motors operating at 50 Hz will not see a reduction in performance due to the electronic control of the motor)

Net Capacity is available upon request

A2L SPECIFICATIONS

Hot Gas Defrost- 60 Hz

Please consult AWEF table on page 59 to confirm model meets DOE minimum AWEF

		EC Motors (includes 2-Speed, Fixed Speed and VSEC)					EC Motors (includes 2-Speed, Fixed Speed and VSEC)					EC Motors (includes 2-Speed, Fixed Speed and VSEC)				
		115/1/60					208-230/1/60					460/1/60				
FPI	New Model	HP	Amps	Watts	MCA	MOPD	HP	Amps	Watts	MCA	MOPD	HP	Amps	Watts	MCA	MOPD
4	BEM0225*Y4H^A	1/4	7.0	419	15	20	1/4	3.5	426	15	20	1/3	3.2	382	15	15
4	BEM0250*Y4H^A	1/4	7.0	419	15	20	1/4	3.5	426	15	20	1/3	3.2	382	15	15
4	BEM0325*Y4H^A	1/4	10.4	628	15	20	1/4	5.2	638	15	20	1/3	4.8	573	15	15
4	BEM0420*Y4H^A	1/4	10.4	628	15	20	1/4	5.2	638	15	20	1/3	4.8	573	15	15
4	BEM0490*Y4H^A	1/4	13.9	838	20	25	1/4	7.0	851	15	20	1/3	6.4	764	15	15
4	BEM0620*Y4H^A	1/4	13.9	838	20	25	1/4	7.0	851	15	20	1/3	6.4	764	15	15
6	BEM0250*Y6H^A	1/4	7.0	419	15	20	1/4	3.5	426	15	20	1/3	3.2	382	15	15
6	BEM0300*Y6H^A	1/4	7.0	419	15	20	1/4	3.5	426	15	20	1/3	3.2	382	15	15
6	BEM0370*Y6H^A	1/4	10.4	628	15	20	1/4	5.2	638	15	20	1/3	4.8	573	15	15
6	BEM0475*Y6H^A	1/4	10.4	628	15	20	1/4	5.2	638	15	20	1/3	4.8	573	15	15
6	BEM0595*Y6H^A	1/4	13.9	838	20	25	1/4	7.0	851	15	20	1/3	6.4	764	15	15
6	BEM0735*Y6H^A	1/4	13.9	838	20	25	1/4	7.0	851	15	20	1/3	6.4	764	15	15

		Drain Pan Heaters							
		115/1/60		230/1/60		460/1/60		575/1/60	
FPI	New Model	Watts	Amps	Watts	Amps	Watts	Amps	Watts	Amps
4	BEM0225*Y4H^A	950	8.3	950	4.1	950	2.1	950	1.7
4	BEM0250*Y4H^A	950	8.3	950	4.1	950	2.1	950	1.7
4	BEM0325*Y4H^A	1,350	11.7	1,350	5.9	1,350	2.9	1,350	2.4
4	BEM0420*Y4H^A	1,350	11.7	1,350	5.9	1,350	2.9	1,350	2.4
4	BEM0490*Y4H^A	1,800	15.7	1,800	7.8	1,800	3.9	1,800	3.1
4	BEM0620*Y4H^A	1,800	15.7	1,800	7.8	1,800	3.9	1,800	3.1
6	BEM0250*Y6H^A	950	8.3	950	4.1	950	2.1	950	1.7
6	BEM0300*Y6H^A	950	8.3	950	4.1	950	2.1	950	1.7
6	BEM0370*Y6H^A	1,350	11.7	1,350	5.9	1,350	2.9	1,350	2.4
6	BEM0475*Y6H^A	1,350	11.7	1,350	5.9	1,350	2.9	1,350	2.4
6	BEM0595*Y6H^A	1,800	15.7	1,800	7.8	1,800	3.9	1,800	3.1
6	BEM0735*Y6H^A	1,800	15.7	1,800	7.8	1,800	3.9	1,800	3.1

Notes:

* = Electrical Code Designator (see Nomenclature details)
^ = Motor Code Designator (see Nomenclature details)
± = Refrigerant Designator (See Nomenclature details)

A2L SPECIFICATIONS

Hot Gas Defrost- 60 Hz

Please consult AWEF table on page 59 to confirm model meets DOE minimum AWEF

		PSC Motors (includes Standard and Totally Enclosed)									
		115/1/60					208-230/3/60				
FPI	New Model	HP	Amps	Watts	MCA	MOPD	HP	Amps	Watts	MCA	MOPD
4	BEM0225*Y4H^A	1/4	8.0	600	15	20	1/4	3.6	610	15	20
4	BEM0250*Y4H^A	1/4	8.0	600	15	20	1/4	3.6	610	15	20
4	BEM0325*Y4H^A	1/4	12.0	900	15	20	1/4	5.4	915	15	20
4	BEM0420*Y4H^A	1/4	12.0	900	15	20	1/4	5.4	915	15	20
4	BEM0490*Y4H^A	1/4	16.0	1,200	20	25	1/4	7.2	1,220	15	20
4	BEM0620*Y4H^A	1/4	16.0	1,200	20	25	1/4	7.2	1,220	15	20
6	BEM0250*Y6H^A	1/4	8.0	600	15	20	1/4	3.6	610	15	20
6	BEM0300*Y6H^A	1/4	8.0	600	15	20	1/4	3.6	610	15	20
6	BEM0370*Y6H^A	1/4	12.0	900	15	20	1/4	5.4	915	15	20
6	BEM0475*Y6H^A	1/4	12.0	900	15	20	1/4	5.4	915	15	20
6	BEM0595*Y6H^A	1/4	16.0	1,200	20	25	1/4	7.2	1,220	15	20
6	BEM0735*Y6H^A	1/4	16.0	1,200	20	25	1/4	7.2	1,220	15	20

		PSC Motors (includes Standard and Totally Enclosed)									
		460/1/60					575/1/60				
FPI	New Model	HP	Amps	Watts	MCA	MOPD	HP	Amps	Watts	MCA	MOPD
4	BEM0225*Y4H^A	1/4	2.0	610	15	15	1/3	1.5	610	15	15
4	BEM0250*Y4H^A	1/4	2.0	610	15	15	1/3	1.5	610	15	15
4	BEM0325*Y4H^A	1/4	3.0	915	15	15	1/3	2.3	915	15	15
4	BEM0420*Y4H^A	1/4	3.0	915	15	15	1/3	2.3	915	15	15
4	BEM0490*Y4H^A	1/4	4.0	1,220	15	15	1/3	3.0	1,220	15	15
4	BEM0620*Y4H^A	1/4	4.0	1,220	15	15	1/3	3.0	1,220	15	15
6	BEM0250*Y6H^A	1/4	2.0	610	15	15	1/3	1.5	610	15	15
6	BEM0300*Y6H^A	1/4	2.0	610	15	15	1/3	1.5	610	15	15
6	BEM0370*Y6H^A	1/4	3.0	915	15	15	1/3	2.3	915	15	15
6	BEM0475*Y6H^A	1/4	3.0	915	15	15	1/3	2.3	915	15	15
6	BEM0595*Y6H^A	1/4	4.0	1,220	15	15	1/3	3.0	1,220	15	15
6	BEM0735*Y6H^A	1/4	4.0	1,220	15	15	1/3	3.0	1,220	15	15

Notes:

* = Electrical Code Designator (see Nomenclature details)
^ = Motor Code Designator (see Nomenclature details)
± = Refrigerant Designator (See Nomenclature details)

A1 SPECIFICATIONS

Hot Gas Defrost- 60 Hz

Please consult AWEF table on page 60 to confirm model meets DOE minimum AWEF

			EC Motors (includes 2-Speed, Fixed Speed and VSEC)												Drain Pan Heaters			
			115/1/60				208-230/1/60				460/1/60				Watts	115/1/60	208-230/1/60	460/1/60
FPI	New Model	HP	Amps	Watts	MCA	MOPD	Amps	Watts	MCA	MOPD	Amps	Watts	MCA	MOPD		Total Amps		
6	BEM0250*S6H^A	1/4	7.0	417	15	20	3.5	417	15	20	3.2	382	15	15	950	8.3	4.1	2.1
6	BEM0300*S6H^A	1/4	7.0	417	15	20	3.5	417	15	20	3.2	382	15	15	950	8.3	4.1	2.1
6	BEM0370*S6H^A	1/4	10.4	625	15	20	5.2	625	15	20	4.8	573	15	15	1,350	11.7	5.9	2.9
6	BEM0475*S6H^A	1/4	10.4	625	15	20	5.2	625	15	20	4.8	573	15	15	1,350	11.7	5.9	2.9
6	BEM0595*S6H^A	1/4	13.9	834	20	25	7.0	834	15	20	6.4	764	15	15	1,800	15.7	7.8	3.9
6	BEM0735*S6H^A	1/4	13.9	834	20	25	7.0	834	15	20	6.4	764	15	15	1,800	15.7	7.8	3.9
4	BEM0225*S4H^A	1/4	7.0	417	15	20	3.5	417	15	20	3.2	382	15	15	950	8.3	4.1	2.1
4	BEM0250*S4H^A	1/4	7.0	417	15	20	3.5	417	15	20	3.2	382	15	15	950	8.3	4.1	2.1
4	BEM0325*S4H^A	1/4	10.4	625	15	20	5.2	625	15	20	4.8	573	15	15	1,350	11.7	5.9	2.9
4	BEM0420*S4H^A	1/4	10.4	625	15	20	5.2	625	15	20	4.8	573	15	15	1,350	11.7	5.9	2.9
4	BEM0490*S4H^A	1/4	13.9	834	20	25	7.0	834	15	20	6.4	764	15	15	1,800	15.7	7.8	3.9
4	BEM0620*S4H^A	1/4	13.9	834	20	25	7.0	834	15	20	6.4	764	15	15	1,800	15.7	7.8	3.9

			PSC Motors (includes Standard and Totally-Enclosed)												Drain Pan Heaters			
			115/1/60				208-230/1/60				460/1/60				Watts	115/1/60	208-230/1/60	460/1/60
FPI	New Model	HP	Amps	Watts	MCA	MOPD	Amps	Watts	MCA	MOPD	Amps	Watts	MCA	MOPD		Total Amps		
6	BEM0250*S6H^A	1/4	8.0	600	15	20	3.6	610	15	20	2.0	610	15	15	950	8.3	4.1	2.1
6	BEM0300*S6H^A	1/4	8.0	600	15	20	3.6	610	15	20	2.0	610	15	15	950	8.3	4.1	2.1
6	BEM0370*S6H^A	1/4	12.0	900	15	20	5.4	915	15	20	3.0	915	15	15	1,350	11.7	5.9	2.9
6	BEM0475*S6H^A	1/4	12.0	900	15	20	5.4	915	15	20	3.0	915	15	15	1,350	11.7	5.9	2.9
6	BEM0595*S6H^A	1/4	16.0	1,200	20	25	7.2	1,220	15	20	4.0	1,220	15	15	1,800	15.7	7.8	3.9
6	BEM0735*S6H^A	1/4	16.0	1,200	20	25	7.2	1,200	15	20	4.0	1,220	15	15	1,800	15.7	7.8	3.9
4	BEM0225*S4H^A	1/4	8.0	600	15	20	3.6	610	15	20	2.0	610	15	15	950	8.3	4.1	2.1
4	BEM0250*S4H^A	1/4	8.0	600	15	20	3.6	610	15	20	2.0	610	15	15	950	8.3	4.1	2.1
4	BEM0325*S4H^A	1/4	12.0	900	15	20	5.4	915	15	20	3.0	915	15	15	1,350	11.7	5.9	2.9
4	BEM0420*S4H^A	1/4	12.0	900	15	20	5.4	915	15	20	3.0	915	15	15	1,350	11.7	5.9	2.9
4	BEM0490*S4H^A	1/4	16.0	1,200	20	25	7.2	1,220	15	20	4.0	1,220	15	15	1,800	15.7	7.8	3.9
4	BEM0620*S4H^A	1/4	16.0	1,200	20	25	7.2	1,200	15	20	4.0	1,220	15	15	1,800	15.7	7.8	3.9

Notes:

* = Electrical Code Designator (see Nomenclature details)
^ = Motor Code Designator (see Nomenclature details)

A1 SPECIFICATIONS

Hot Gas Defrost- 50 Hz

Please consult AWEF table on page 60 to confirm model meets DOE minimum AWEF

			EC Motors (includes 2-speed, Fixed Speed and VSEC)								Drain Pan Heaters		
			110/1/50				220/1/50				Watts	110/1/50	220/1/50
FPI	New Model	HP	Amps	Watts	MCA	MOPD	Amps	Watts	MCA	MOPD		Total Amps	
6	BEM0250*S6H^A	1/4	7.0	417	15	20	3.5	417	15	20	860	7.8	3.9
6	BEM0300*S6H^A	1/4	7.0	417	15	20	3.5	417	15	20	860	7.8	3.9
6	BEM0370*S6H^A	1/4	10.4	625	15	20	5.2	625	15	20	1,230	11.2	5.6
6	BEM0475*S6H^A	1/4	10.4	625	15	20	5.2	625	15	20	1,230	11.2	5.6
6	BEM0595*S6H^A	1/4	13.9	834	20	25	7.0	834	15	20	1,650	15.0	7.5
6	BEM0735*S6H^A	1/4	13.9	834	20	25	7.0	834	15	20	1,650	15.0	7.5
4	BEM0225*S4H^A	1/4	7.0	417	15	20	3.5	417	15	20	860	7.8	3.9
4	BEM0250*S4H^A	1/4	7.0	417	15	20	3.5	417	15	20	860	7.8	3.9
4	BEM0325*S4H^A	1/4	10.4	625	15	20	5.2	625	15	20	1,230	11.2	5.6
4	BEM0420*S4H^A	1/4	10.4	625	15	20	5.2	625	15	20	1,230	11.2	5.6
4	BEM0490*S4H^A	1/4	13.9	834	20	25	7.0	834	15	20	1,650	15.0	7.5
4	BEM0620*S4H^A	1/4	13.9	834	20	25	7.0	834	15	20	1,650	15.0	7.5

			PSC Motors (includes Standard and Totally-Enclosed)								Drain Pan Heaters		
			110/1/50				220/1/50				Watts	110/1/50	220/1/50
FPI	New Model	HP	Amps	Watts	MCA	MOPD	Amps	Watts	MCA	MOPD		Total Amps	
6	BEM0250*S6H^A	1/4	8.0	600	15	20	3.6	610	15	20	860	7.8	3.9
6	BEM0300*S6H^A	1/4	8.0	600	15	20	3.6	610	15	20	860	7.8	3.9
6	BEM0370*S6H^A	1/4	12.0	900	15	20	5.4	915	15	20	1,230	11.2	5.6
6	BEM0475*S6H^A	1/4	12.0	900	15	20	5.4	915	15	20	1,230	11.2	5.6
6	BEM0595*S6H^A	1/4	16.0	1,200	20	25	7.2	1,220	15	20	1,650	15.0	7.5
6	BEM0735*S6H^A	1/4	16.0	1,200	20	25	7.2	1,220	15	20	1,650	15.0	7.5
4	BEM0225*S4H^A	1/4	8.0	600	15	20	3.6	610	15	20	860	7.8	3.9
4	BEM0250*S4H^A	1/4	8.0	600	15	20	3.6	610	15	20	860	7.8	3.9
4	BEM0325*S4H^A	1/4	12.0	900	15	20	5.4	915	15	20	1,230	11.2	5.6
4	BEM0420*S4H^A	1/4	12.0	900	15	20	5.4	915	15	20	1,230	11.2	5.6
4	BEM0490*S4H^A	1/4	16.0	1,200	20	25	7.2	1,220	15	20	1,650	15.0	7.5
4	BEM0620*S4H^A	1/4	16.0	1,200	20	25	7.2	1,220	15	20	1,650	15.0	7.5

Notes:

* = Electrical Code Designator (see Nomenclature details)
^ = Motor Code Designator (see Nomenclature details)

A2L PHYSICAL DATA

Hot Gas Defrost

									Approx. Net Weight	
FPI	Model	No. of Fans	Coil Inlet OD	Suction OD	Equalizer OD	Drain MPT	Side Port OD	Hot Gas Pan Conns.OD	Lbs.	Kg
4	BEM0225*Y4H^A	2	7/8	1 3/8	1/4	3/4	5/8	7/8	210	95
4	BEM0250*Y4H^A	2	1 1/8	1 3/8	1/4	3/4	5/8	7/8	228	103
4	BEM0325*Y4H^A	3	1 1/8	1 5/8	1/4	3/4	5/8	7/8	252	114
4	BEM0420*Y4H^A	3	1 3/8	1 5/8	1/4	3/4	5/8	7/8	284	129
4	BEM0490*Y4H^A	4	1 1/8	1 5/8	1/4	3/4	5/8	7/8	318	144
4	BEM0620*Y4H^A	4	1 3/8	1 5/8	1/4	3/4	5/8	7/8	358	162
6	BEM0250*Y6H^A	2	7/8	1 3/8	1/4	3/4	5/8	7/8	213	97
6	BEM0300*Y6H^A	2	1 1/8	1 3/8	1/4	3/4	5/8	7/8	231	105
6	BEM0370*Y6H^A	3	1 1/8	1 5/8	1/4	3/4	5/8	7/8	255	116
6	BEM0475*Y6H^A	3	1 3/8	1 5/8	1/4	3/4	5/8	7/8	288	131
6	BEM0595*Y6H^A	4	1 1/8	1 5/8	1/4	3/4	5/8	7/8	324	147
6	BEM0735*Y6H^A	4	1 3/8	1 5/8	1/4	3/4	5/8	7/8	365	166

A1 PHYSICAL DATA

Hot Gas Defrost

FPI	Model	No. of Fans	Coil Inlet OD	Suction OD	Equalizer OD	Drain MPT	Side Port OD	Hot Gas Pan Conns OD	Approx. Net Weight		Approx. Ship Weight	
									Lbs.	Kg	Lbs.	Kg
6	BEM0250*S6H^A	2	7/8	1-3/8	1/4	3/4	5/8	7/8	213	96	364	165
6	BEM0300*S6H^A	2	1-1/8	1-3/8	1/4	3/4	5/8	7/8	231	105	382	173
6	BEM0370*S6H^A	3	1-1/8	1-5/8	1/4	3/4	5/8	7/8	255	116	434	197
6	BEM0475*S6H^A	3	1-3/8	1-5/8	1/4	3/4	5/8	7/8	288	131	466	212
6	BEM0595*S6H^A	4	1-1/8	1-5/8	1/4	3/4	5/8	7/8	324	147	551	250
6	BEM0735*S6H^A	4	1-3/8	1-5/8	1/4	3/4	5/8	7/8	365	165	591	268
4	BEM0225*S4H^A	2	7/8	1-3/8	1/4	3/4	5/8	7/8	210	95	361	164
4	BEM0250*S4H^A	2	1-1/8	1-3/8	1/4	3/4	5/8	7/8	228	104	379	172
4	BEM0325*S4H^A	3	1-1/8	1-5/8	1/4	3/4	5/8	7/8	252	114	430	195
4	BEM0420*S4H^A	3	1-3/8	1-5/8	1/4	3/4	5/8	7/8	284	129	463	210
4	BEM0490*S4H^A	4	1-1/8	1-5/8	1/4	3/4	5/8	7/8	318	144	545	247
4	BEM0620*S4H^A	4	1-3/8	1-5/8	1/4	3/4	5/8	7/8	358	163	585	265

Notes:
* = Electrical Code Designator (see Nomenclature details)
^ = Motor Code Designator (see Nomenclature details)

DOE Rated AWEF

AWEF DATA

A2L Hot Gas Defrost

		R-454A--LT	R-454C--LT	R-455A--LT	R-454A--MT	R-454C-MT	R-455A--MT
FPI	Model	AWEF	AWEF	AWEF	AWEF	AWEF	AWEF
4	BEM0225*Y4H^A	4.15	4.15	4.15	-	-	-
4	BEM0250*Y4H^A	4.15	4.15	4.15	9.00	-	9.00
4	BEM0325*Y4H^A	4.15	4.15	4.15	-	-	-
4	BEM0420*Y4H^A	4.15	4.15	4.15	9.00	9.00	9.00
4	BEM0490*Y4H^A	4.15	4.15	4.15	-	-	-
4	BEM0620*Y4H^A	4.15	4.15	4.15	9.00	9.00	9.00
6	BEM0250*Y6H^A	4.15	4.15	4.15	-	-	-
6	BEM0300*Y6H^A	4.15	4.15	4.15	9.00	9.00	9.00
6	BEM0370*Y6H^A	4.15	4.15	4.15	-	-	-
6	BEM0475*Y6H^A	4.15	4.15	4.15	9.00	9.00	9.00
6	BEM0595*Y6H^A	4.15	4.15	4.15	-	-	9.00
6	BEM0735*Y6H^A	4.15	4.15	4.15	9.00	9.00	9.00

DOE Rated AWEF

AWEF DATA

A1 Hot Gas Defrost: 2-Speed EC Motors

FPI	Model	Cooler			
		R-404A/ R-507A	R-448A/ R-449A	R-407A/ R-407F	R-407C
		AWEF	AWEF	AWEF	AWEF
6	BEM0250*S6HMA	-	-	9.00	9.00
6	BEM0300*S6HMA	-	9.00	9.00	9.00
6	BEM0370*S6HMA	-	-	-	9.00
6	BEM0475*S6HMA	9.00	9.00	9.00	9.00
6	BEM0595*S6HMA	-	9.00	9.00	9.00
6	BEM0735*S6HMA	9.00	9.00	9.00	9.00
4	BEM0225*S4HMA	-	-	-	-
4	BEM0250*S4HMA	-	-	9.00	9.00
4	BEM0325*S4HMA	-	-	-	-
4	BEM0420*S4HMA	-	9.00	9.00	9.00
4	BEM0490*S4HMA	-	-	-	-
4	BEM0620*S4HMA	-	9.00	9.00	9.00

FPI	Model	Freezer			
		R-404A/ R-507A	R-448A/ R-449A	R-407A/ R-407F	R-407C
		AWEF	AWEF	AWEF	AWEF
6	BEM0250*S6HMA	4.15	4.15	4.15	4.15
6	BEM0300*S6HMA	4.15	4.15	4.15	4.15
6	BEM0370*S6HMA	4.15	4.15	4.15	4.15
6	BEM0475*S6HMA	4.15	4.15	4.15	4.15
6	BEM0595*S6HMA	4.15	4.15	4.15	4.15
6	BEM0735*S6HMA	4.15	4.15	4.15	4.15
4	BEM0225*S4HMA	4.15	4.15	4.15	4.15
4	BEM0250*S4HMA	4.15	4.15	4.15	4.15
4	BEM0325*S4HMA	4.15	4.15	4.15	4.15
4	BEM0420*S4HMA	4.15	4.15	4.15	4.15
4	BEM0490*S4HMA	4.15	4.15	4.15	4.15
4	BEM0620*S4HMA	4.15	4.15	4.15	4.15

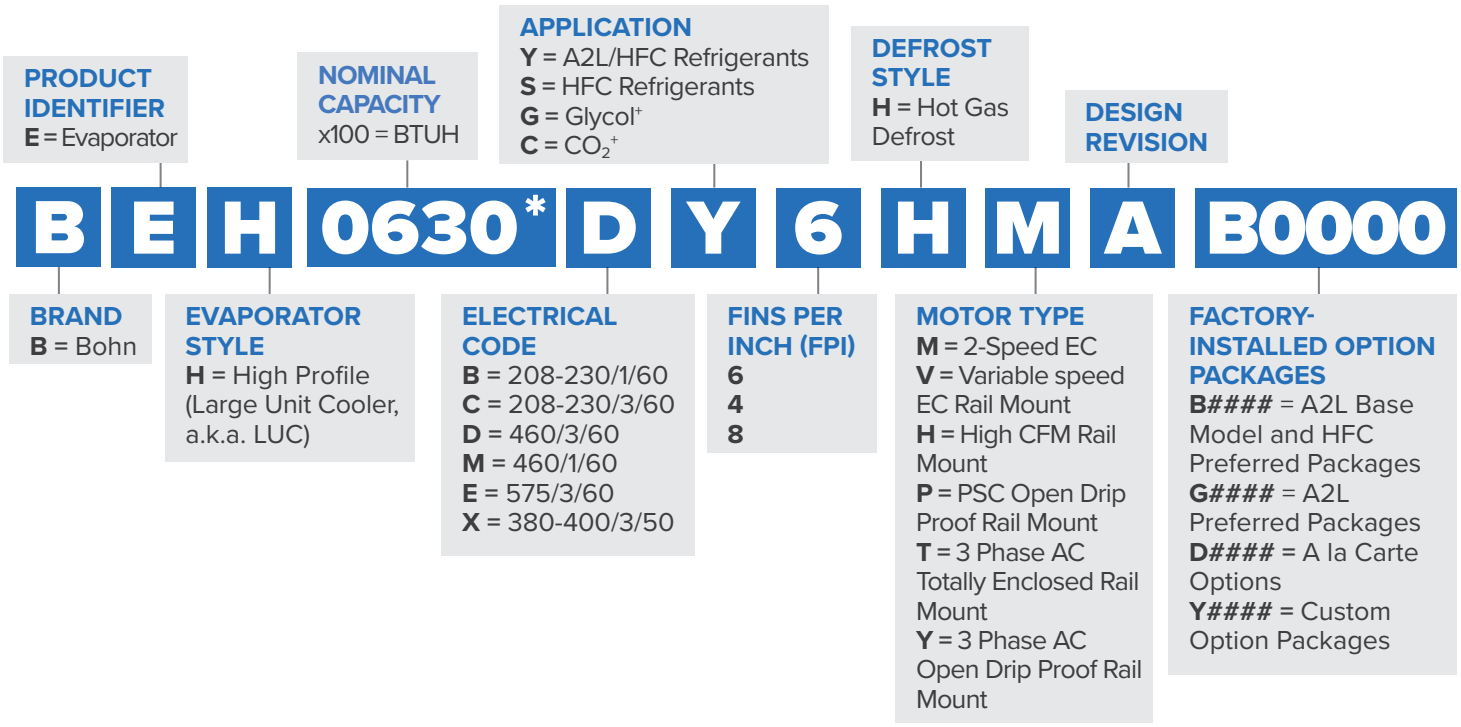
Notes:
* = Electrical Code Designator (see Nomenclature details)
^ = Motor Code Designator (see Nomenclature details)
± = Refrigerant Designator (See Nomenclature details)

HIGH PROFILE LARGE UNIT COOLERS WITH HOT GAS DEFROST

LARGE HOT GAS DEFROST UNIT COOLERS

For use with the Bohn Mohave Hot Gas Defrost System

NOMENCLATURE



* Models meet minimum AWEF have a model capacity digit that ends with “0”, or “5”. Models do not meet minimum AWEF have a model capacity digit ending with “3”

See the model capacity and AWEF data tables for applicable refrigerants.

+ Call factory for Glycol and CO2 models, Engineer To Order process required.

FEATURES & BENEFITS

GENERAL FEATURES

- Mill finish aluminum provides an attractive design and structurally sound cabinet
- Thermo-Flex (with five-year limited warranty) is innovative, eliminates leaks, and reduces risk of refrigerant loss
- Liquid line solenoid wiring harness for faster installation
- Suction Schrader fitting for easier suction temperature measurement
- Hinged drain pan and access panels for easy servicing
- Adjustable defrost control can be customized per application
- Long air throw is ideal for large warehouse and industrial applications
- Standardized terminal board for easier field wiring
- Improved wire management and routing for easier installation and service
- Complete hot gas defrost model offering meets more applications
- Quick reference QR code providing access to relevant product documentation

DOE 2020 COMPLIANT MODEL ADDITIONAL FEATURES

- 2 Speed EC motor, totally enclosed
- 850 RPM lower noise motor

OPTIONS

- High CFM motor and fan combinations (208-230/3/60 and 460/3/60) *
- Totally enclosed motors (208-230/3/60 and 460/3/60)
- Low temperature motors for blast cooling and freezing (for room temps -31°F to -50°F) *
- Units available with Bronze-Glow coil coating
- Units available with copper fins (6 FPI models only)
- Long air throw collars for large warehouse and industrial applications
- Insulated drain pan
- Mounted fusing for motors and heaters
- More factory mounted features for easier field installation available, consult factory for details

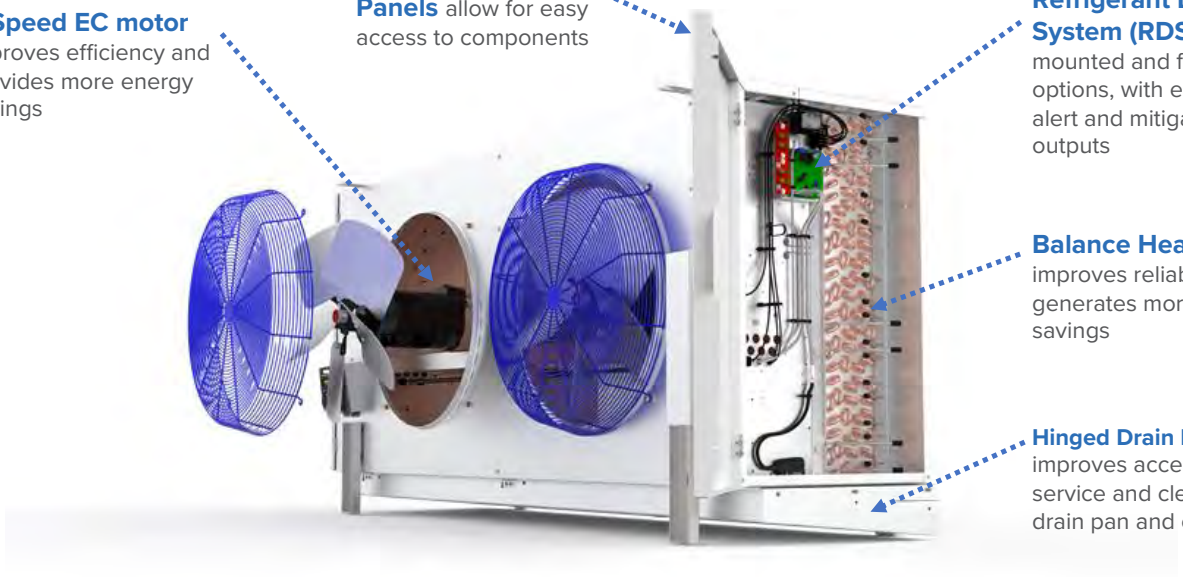
A2L FEATURES AND OPTIONS

- A2L and A1 dual refrigerants compatible models
- Factory mounted Refrigerant Detection System (RDS)
  - Mounted refrigerant leak detection sensors
  - Mounted refrigerant leak mitigation controller
  - Early warning leak detection with relay output for external alert devices
  - Mitigation alarm with relay output for external alarm devices
- Base model option available with or without RDS
- Field mounted Refrigerant Detection System kit available.
- Protection grill for evaporator coil
- Piping protection guards for refrigerant line connections
- Red tags on service valves and connection points as indicators for A2L refrigerants
- A2L labels to meet regulatory requirement

OUTSTANDING FEATURES

2-Speed EC motor improves efficiency and provides more energy savings

Hinged Access Panels allow for easy access to components



Refrigerant Detection System (RDS) factory mounted and field mounted options, with early warning alert and mitigation alarm outputs

Balance Heater Load improves reliability and generates more energy savings

Hinged Drain Pan improves access to service and clean the drain pan and coil

Models Meeting DOE Minimum AWEF

A2L PERFORMANCE DATA

Low Temperature Hot Gas Defrost - 60 Hz, Electric Drain Pan

Please consult AWEF table on page 89 to confirm model meets DOE minimum AWEF

FPI	Model	R-455A Application Capacity[1] 10°F TD -20°F SST BTUH	R-455A Application Capacity[1] 6°C TD -29°C SST Watts	R-455A Application Capacity[1] Room Area Min. Sq. Ft.	R-454C[2] Application Capacity[1] 10°F TD -20°F SST BTUH	R-454C[2] Application Capacity[1] 6°C TD -4°C SST Watts	R-454C[2] Application Capacity[1] Room Area Min. Sq. Ft.	Fan Data No. of Fans	Fan Data Dia. in (mm)	Fan Data CFM	Fan Data m^3H	Air Throw Standard ft (m)	Air Throw w/Collar ft (m)
6	BEH0540*Y6HMA	51,800	15,200	232	-	-	-	2	24 (610)	6,850	11,638	65 (20)	80 (24)
6	BEH0630*Y6HMA	61,100	17,900	279	53,400	15,600	414	2	24 (610)	6,850	11,638	65 (20)	80 (24)
6	BEH0805*Y6HMA	74,400	21,800	296	65,200	19,100	439	3	24 (610)	10,800	18,349	65 (20)	80 (24)
6	BEH0925*Y6HMA	85,300	25,000	346	75,700	22,200	1,025	3	24 (610)	10,800	18,349	65 (20)	80 (24)
6	BEH1125*Y6HMA	103,400	30,300	376	91,300	26,800	1,114	4	24 (610)	14,400	24,466	65 (20)	80 (24)
6	BEH1210*Y6HMA	111,700	32,700	421	97,700	28,600	1,245	4	24 (610)	14,400	24,466	65 (20)	80 (24)
4	BEH0480*Y4HMA	47,100	13,800	232	-	-	-	2	24 (610)	7,050	11,978	65 (20)	80 (24)
4	BEH0565*Y4HMA	55,600	16,300	279	-	-	-	2	24 (610)	7,050	11,978	65 (20)	80 (24)
4	BEH0730*Y4HMA	67,900	19,900	296	-	-	-	3	24 (610)	11,200	19,029	65 (20)	80 (24)
4	BEH0845*Y4HMA	79,000	23,200	346	-	-	-	3	24 (610)	11,200	19,029	65 (20)	80 (24)
4	BEH1010*Y4HMA	94,400	27,700	376	-	-	-	4	24 (610)	15,000	25,485	65 (20)	80 (24)
4	BEH1085*Y4HMA	102,600	30,100	421	-	-	-	4	24 (610)	15,000	25,485	65 (20)	80 (24)
6	BEH1340*Y6HMA	127,300	37,300	370	111,200	32,600	1,096	3	30 (763)	17,600	29,903	100 (30)	115 (35)
6	BEH1560*Y6HMA	148,200	43,400	438	129,500	38,000	1,296	3	30 (763)	20,660	35,102	100 (30)	115 (35)
6	BEH1820*Y6HMA	172,900	50,700	1,612	151,100	44,300	2,389	3	30 (763)	22,570	38,347	120 (37)	140 (43)
6	BEH2330*Y6HMA	221,400	64,900	2,177	193,400	56,700	1,614**	4	30 (763)	30,090	51,123	120 (37)	140 (43)

FPI	Model	R-454A Application Capacity[1] 10°F TD -20°F SST BTUH	R-454A Application Capacity[1] 6°C TD -29°C SST Watts	R-454A Application Capacity[1] Room Area Min. Sq. Ft.	Fan Data No. of Fans	Fan Data Dia. in (mm)	Fan Data CFM	Fan Data m^3H	Air Throw Standard ft (m)	Air Throw w/Collar ft (m)
6	BEH0540*Y6HMA	53,000	15,500	358	2	24 (610)	6,850	11,638	65 (20)	80 (24)
6	BEH0630*Y6HMA	61,300	18,000	432	2	24 (610)	6,850	11,638	65 (20)	80 (24)
6	BEH0805*Y6HMA	77,000	22,600	458	3	24 (610)	10,800	18,349	65 (20)	80 (24)
6	BEH0925*Y6HMA	88,100	25,800	1,070	3	24 (610)	10,800	18,349	65 (20)	80 (24)
6	BEH1125*Y6HMA	105,300	30,900	1,163	4	24 (610)	14,400	24,466	65 (20)	80 (24)
6	BEH1210*Y6HMA	112,200	32,900	1,300	4	24 (610)	14,400	24,466	65 (20)	80 (24)
4	BEH0480*Y4HMA	48,100	14,100	358	2	24 (610)	7,050	11,978	65 (20)	80 (24)
4	BEH0565*Y4HMA	55,900	16,400	432	2	24 (610)	7,050	11,978	65 (20)	80 (24)
4	BEH0730*Y4HMA	69,300	20,300	458	3	24 (610)	11,200	19,029	65 (20)	80 (24)
4	BEH0845*Y4HMA	80,400	23,600	1,070	3	24 (610)	11,200	19,029	65 (20)	80 (24)
4	BEH1010*Y4HMA	95,000	27,800	1,163	4	24 (610)	15,000	25,485	65 (20)	80 (24)
4	BEH1085*Y4HMA	102,200	30,000	1,300	4	24 (610)	15,000	25,485	65 (20)	80 (24)
6	BEH1340*Y6HMA	130,000	38,100	1,143	3	30 (763)	17,600	29903	100 (30)	115 (35)
6	BEH1560*Y6HMA	151,300	44,300	1,352	3	30 (763)	20,660	35102	100 (30)	115 (35)
6	BEH1820*Y6HMA	176,500	51,700	2,490	3	30 (763)	22,570	38347	120 (37)	140 (43)
6	BEH2330*Y6HMA	226,000	66,200	1682**	4	30 (763)	30,090	51123	120 (37)	140 (43)

Notes:

[1] = Capacities shown are Application Capacities reflecting nominal operation at 10°F TD. For models within the scope of the DOE AWEF (Annual Walk-in Energy Factor) standard, the Net Capacity is determined by the AHRI 1250 test method. DOE will publish this compliance data at www.regulations.doe.gov

[2] = R-454C capacities for 30 inch fan models use 700 RPM 2-speed EC motor kit. Capacities for R-455A and R-454A use 850 RPM 2-speed EC motor kit.

* = Electrical Code Designator (see Nomenclature details)

** = Releasable charge is larger than Mmax. Ventilation is required.

Net Capacity is available upon request

Models Meeting DOE Minimum AWEF

A2L PERFORMANCE DATA

Low Temperature Hot Gas Defrost - 60 Hz, Hot Gas Drain Pan

Please consult AWEF table on page 89 to confirm model meets DOE minimum AWEF

FPI	Model	R-455A Application Capacity[1] 10°F TD -20°F SST BTUH	R-455A Application Capacity[1] 6°C TD -29°C SST Watts	R-455A Application Capacity[1] Room Area Min. Sq. Ft.	R-454C[2] Application Capacity[1] 10°F TD -20°F SST BTUH	R-454C[2] Application Capacity[1] 6°C TD -29°C SST Watts	R-454C[2] Application Capacity[1] Room Area Min. Sq. Ft.	Fan Data No. of Fans	Fan Data Dia. in (mm)	Fan Data CFM	Fan Data m^3H	Air Throw Standard ft (m)	Air Throw w/Collar ft (m)
6	BEH0540*Y6HMA	51,800	15,200	302	-	-	-	2	24 (610)	6,850	11,638	65 (20)	80 (24)
6	BEH0630*Y6HMA	61,100	17,900	349	53,400	15,600	1,034	2	24 (610)	6,850	11,638	65 (20)	80 (24)
6	BEH0805*Y6HMA	74,400	21,800	376	65,200	19,100	1,113	3	24 (610)	10,800	18,349	65 (20)	80 (24)
6	BEH0925*Y6HMA	85,300	25,000	426	75,700	22,200	1,261	3	24 (610)	10,800	18,349	65 (20)	80 (24)
6	BEH1125*Y6HMA	103,400	30,300	466	91,300	26,800	1,378	4	24 (610)	14,400	24,466	65 (20)	80 (24)
6	BEH1210*Y6HMA	111,700	32,700	510	97,700	28,600	1,510	4	24 (610)	14,400	24,466	65 (20)	80 (24)
4	BEH0480*Y4HMA	47,100	13,800	302	-	-	-	2	24 (610)	7,050	11,978	65 (20)	80 (24)
4	BEH0565*Y4HMA	55,600	16,300	349	-	-	-	2	24 (610)	7,050	11,978	65 (20)	80 (24)
4	BEH0730*Y4HMA	67,900	19,900	376	-	-	-	3	24 (610)	11,200	19,029	65 (20)	80 (24)
4	BEH0845*Y4HMA	79,000	23,200	426	-	-	-	3	24 (610)	11,200	19,029	65 (20)	80 (24)
4	BEH1010*Y4HMA	94,400	27,700	466	-	-	-	4	24 (610)	15,000	25,485	65 (20)	80 (24)
4	BEH1085*Y4HMA	102,600	30,100	510	-	-	-	4	24 (610)	15,000	25,485	65 (20)	80 (24)
6	BEH1340*Y6HMA	127,300	37,300	486	111,200	32,600	1,438	3	30 (763)	17,600	29903	100 (30)	115 (35)
6	BEH1560*Y6HMA	148,200	43,400	1,126	129,500	38,000	1,668	3	30 (763)	20,660	35102	100 (30)	115 (35)
6	BEH1820*Y6HMA	172,900	50,700	1,743	151,100	44,300	2,582	3	30 (763)	22,570	38347	120 (37)	140 (43)
6	BEH2330*Y6HMA	221,400	64,900	2,256	193,400	56,700	1,672**	4	30 (763)	30,090	51123	120 (37)	140 (43)

FPI	Model	R-454A Application Capacity[1] 10°F TD -20°F SST BTUH	R-454A Application Capacity[1] 6°C TD -29°C SST Watts	R-454A Application Capacity[1] Room Area Min. Sq. Ft.	Fan Data No. of Fans	Fan Data Dia. in (mm)	Fan Data CFM	Fan Data m^3H	Air Throw Standard ft (m)	Air Throw w/Collar ft (m)
6	BEH0540*Y6HMA	53,000	15,500	466	2	24 (610)	6,850	11,638	65 (20)	80 (24)
6	BEH0630*Y6HMA	61,300	18,000	1,079	2	24 (610)	6,850	11,638	65 (20)	80 (24)
6	BEH0805*Y6HMA	77,000	22,600	1,161	3	24 (610)	10,800	18,349	65 (20)	80 (24)
6	BEH0925*Y6HMA	88,100	25,800	1,316	3	24 (610)	10,800	18,349	65 (20)	80 (24)
6	BEH1125*Y6HMA	105,300	30,900	1,439	4	24 (610)	14,400	24,466	65 (20)	80 (24)
6	BEH1210*Y6HMA	112,200	32,900	1,576	4	24 (610)	14,400	24,466	65 (20)	80 (24)
4	BEH0480*Y4HMA	48,100	14,100	466	2	24 (610)	7,050	11,978	65 (20)	80 (24)
4	BEH0565*Y4HMA	55,900	16,400	1,079	2	24 (610)	7,050	11,978	65 (20)	80 (24)
4	BEH0730*Y4HMA	69,300	20,300	1,161	3	24 (610)	11,200	19,029	65 (20)	80 (24)
4	BEH0845*Y4HMA	80,400	23,600	1,316	3	24 (610)	11,200	19,029	65 (20)	80 (24)
4	BEH1010*Y4HMA	95,000	27,800	1,439	4	24 (610)	15,000	25,485	65 (20)	80 (24)
4	BEH1085*Y4HMA	102,200	30,000	1,576	4	24 (610)	15,000	25,485	65 (20)	80 (24)
6	BEH1340*Y6HMA	130,000	38,100	1,501	3	30 (763)	17,600	29903	100 (30)	115 (35)
6	BEH1560*Y6HMA	151,300	44,300	1,740	3	30 (763)	20,660	35102	100 (30)	115 (35)
6	BEH1820*Y6HMA	176,500	51,700	1,347**	3	30 (763)	22,570	38347	120 (37)	140 (43)
6	BEH2330*Y6HMA	226,000	66,200	1,744**	4	30 (763)	30,090	51123	120 (37)	140 (43)

Notes:

[1] = Capacities shown are Application Capacities reflecting nominal operation at 10°F TD. For models within the scope of the DOE AWEF (Annual Walk-in Energy Factor) standard, the Net Capacity is determined by the AHRI 1250 test method. DOE will publish this compliance data at www.regulations.doe.gov

[2] = R-454C capacities for 30 inch fan models use 700 RPM 2-speed EC motor kit. Capacities for R-455A and R-454A use 850 RPM 2-speed EC motor kit.

* = Electrical Code Designator (see Nomenclature details)

** = Releasable charge is larger than Mmax. Ventilation is required.

Net Capacity is available upon request

Models Meeting DOE Minimum AWEF

A2L PERFORMANCE DATA

Medium Temperature Hot Gas Defrost - 60 Hz, Electric Drain Pan

Please consult AWEF table on page 88 to confirm model meets DOE minimum AWEF

FPI	Model	R-455A Application Capacity[1] 10°F TD 25°F SST BTUH	R-455A Application Capacity[1] 6°C TD -4°C SST Watts	R-455A Application Capacity[1] Room Area Min. Sq. Ft.	R-454C Application Capacity[1] 10°F TD 25°F SST BTUH	R-454C Application Capacity[1] 6°C TD -4°C SST Watts	R-454C Application Capacity[1] Room Area Min. Sq. Ft.	Fan Data No. of Fans	Fan Data Dia. in (mm)	Fan Data CFM	Fan Data m^3H	Air Throw Standard ft (m)	Air Throw w/Collar ft (m)
6	BEH0540*Y6HMA	60,100	17,600	232	-	-	-	2	24 (610)	6,850	11,638	65 (20)	80 (24)
6	BEH0630*Y6HMA	70,900	20,800	279	-	-	-	2	24 (610)	6,850	11,638	65 (20)	80 (24)
6	BEH0805*Y6HMA	86,300	25,300	296	-	-	-	3	24 (610)	10,800	18,349	65 (20)	80 (24)
6	BEH0925*Y6HMA	98,900	29,000	346	-	-	-	3	24 (610)	10,800	18,349	65 (20)	80 (24)
6	BEH1125*Y6HMA	119,900	35,100	376	-	-	-	4	24 (610)	14,400	24,466	65 (20)	80 (24)
6	BEH1210*Y6HMA	129,600	38,000	421	-	-	-	4	24 (610)	14,400	24,466	65 (20)	80 (24)
4	BEH0480*Y4HMA	54,600	16,000	232	-	-	-	2	24 (610)	7,050	11,978	65 (20)	80 (24)
4	BEH0565*Y4HMA	64,500	18,900	279	-	-	-	2	24 (610)	7,050	11,978	65 (20)	80 (24)
4	BEH0730*Y4HMA	78,800	23,100	296	-	-	-	3	24 (610)	11,200	19,029	65 (20)	80 (24)
4	BEH0845*Y4HMA	91,600	26,800	346	-	-	-	3	24 (610)	11,200	19,029	65 (20)	80 (24)
4	BEH1010*Y4HMA	109,500	32,100	376	-	-	-	4	24 (610)	15,000	25,485	65 (20)	80 (24)
4	BEH1085*Y4HMA	119,000	34,900	421	-	-	-	4	24 (610)	15,000	25,485	65 (20)	80 (24)

FPI	Model	R-454A Application Capacity[1] 10°F TD -20°F SST BTUH	R-454A Application Capacity[1] 6°C TD -29°C SST Watts	R-454A Application Capacity[1] Room Area Min. Sq. Ft.	Fan Data No. of Fans	Fan Data Dia. in (mm)	Fan Data CFM	Fan Data m^3H	Air Throw Standard ft (m)	Air Throw w/Collar ft (m)
6	BEH0540*Y6HMA	61,500	18,000	358	2	24 (610)	6,850	11,638	65 (20)	80 (24)
6	BEH0630*Y6HMA	71,100	20,800	432	2	24 (610)	6,850	11,638	65 (20)	80 (24)
6	BEH0805*Y6HMA	89,300	26,200	458	3	24 (610)	10,800	18,349	65 (20)	80 (24)
6	BEH0925*Y6HMA	102,200	30,000	1,070	3	24 (610)	10,800	18,349	65 (20)	80 (24)
6	BEH1125*Y6HMA	122,100	35,800	1,163	4	24 (610)	14,400	24,466	65 (20)	80 (24)
6	BEH1210*Y6HMA	130,200	38,200	1,300	4	24 (610)	14,400	24,466	65 (20)	80 (24)
4	BEH0480*Y4HMA	55,800	16,400	358	2	24 (610)	7,050	11,978	65 (20)	80 (24)
4	BEH0565*Y4HMA	64,800	19,000	432	2	24 (610)	7,050	11,978	65 (20)	80 (24)
4	BEH0730*Y4HMA	80,400	23,600	458	3	24 (610)	11,200	19,029	65 (20)	80 (24)
4	BEH0845*Y4HMA	93,300	27,300	1,070	3	24 (610)	11,200	19,029	65 (20)	80 (24)
4	BEH1010*Y4HMA	110,200	32,300	1,163	4	24 (610)	15,000	25,485	65 (20)	80 (24)
4	BEH1085*Y4HMA	118,600	34,800	1,300	4	24 (610)	15,000	25,485	65 (20)	80 (24)

Notes:

[1] = Capacities shown are Application Capacities reflecting nominal operation at 10°F TD. For models within the scope of the DOE AWEF (Annual Walk-in Energy Factor) standard, the Net Capacity is determined by the AHRI 1250 test method. DOE will publish this compliance data at www.regulations.doe.gov

* = Electrical Code Designator (see Nomenclature details)

Net Capacity is available upon request

Models Meeting DOE Minimum AWEF

A2L PERFORMANCE DATA

Medium Temperature Hot Gas Defrost - 60 Hz, Hot Gas Drain Pan

Please consult AWEF table on page 88 to confirm model meets DOE minimum AWEF

FPI	Model	R-455A Application Capacity[1] 10°F TD 25°F SST BTUH	R-455A Application Capacity[1] 6°C TD -4°C SST Watts	R-455A Application Capacity[1] Room Area Min. Sq. Ft.	R-454C Application Capacity[1] 10°F TD 25°F SST BTUH	R-454C Application Capacity[1] 6°C TD -4°C SST Watts	R-454C Application Capacity[1] Room Area Min. Sq. Ft.	Fan Data No. of Fans	Fan Data Dia. in (mm)	Fan Data CFM	Fan Data m^3H	Air Throw Standard ft (m)	Air Throw w/Collar ft (m)
6	BEH0540*Y6HMA	60,100	17,600	302	-	-	-	2	24 (610)	6,850	11,638	65 (20)	80 (24)
6	BEH0630*Y6HMA	70,900	20,800	349	-	-	-	2	24 (610)	6,850	11,638	65 (20)	80 (24)
6	BEH0805*Y6HMA	86,300	25,300	376	-	-	-	3	24 (610)	10,800	18,349	65 (20)	80 (24)
6	BEH0925*Y6HMA	98,900	29,000	426	-	-	-	3	24 (610)	10,800	18,349	65 (20)	80 (24)
6	BEH1125*Y6HMA	119,900	35,100	466	-	-	-	4	24 (610)	14,400	24,466	65 (20)	80 (24)
6	BEH1210*Y6HMA	129,600	38,000	510	-	-	-	4	24 (610)	14,400	24,466	65 (20)	80 (24)
4	BEH0480*Y4HMA	54,600	16,000	302	-	-	-	2	24 (610)	7,050	11,978	65 (20)	80 (24)
4	BEH0565*Y4HMA	64,500	18,900	349	-	-	-	2	24 (610)	7,050	11,978	65 (20)	80 (24)
4	BEH0730*Y4HMA	78,800	23,100	376	-	-	-	3	24 (610)	11,200	19,029	65 (20)	80 (24)
4	BEH0845*Y4HMA	91,600	26,800	426	-	-	-	3	24 (610)	11,200	19,029	65 (20)	80 (24)
4	BEH1010*Y4HMA	109,500	32,100	466	-	-	-	4	24 (610)	15,000	25,485	65 (20)	80 (24)
4	BEH1085*Y4HMA	119,000	34,900	510	-	-	-	4	24 (610)	15,000	25,485	65 (20)	80 (24)

FPI	Model	R-454A Application Capacity[1] 10°F TD -20°F SST BTUH	R-454A Application Capacity[1] 6°C TD -29°C SST Watts	R-454A Application Capacity[1] Room Area Min. Sq. Ft.	Fan Data No. of Fans	Fan Data Dia. in (mm)	Fan Data CFM	Fan Data m^3H	Air Throw Standard ft (m)	Air Throw w/Collar ft (m)
6	BEH0540*Y6HMA	61,500	18,000	466	2	24 (610)	6,850	11,638	65 (20)	80 (24)
6	BEH0630*Y6HMA	71,100	20,800	1,079	2	24 (610)	6,850	11,638	65 (20)	80 (24)
6	BEH0805*Y6HMA	89,300	26,200	1,161	3	24 (610)	10,800	18,349	65 (20)	80 (24)
6	BEH0925*Y6HMA	102,200	30,000	1,316	3	24 (610)	10,800	18,349	65 (20)	80 (24)
6	BEH1125*Y6HMA	122,100	35,800	1,439	4	24 (610)	14,400	24,466	65 (20)	80 (24)
6	BEH1210*Y6HMA	130,200	38,200	1,576	4	24 (610)	14,400	24,466	65 (20)	80 (24)
4	BEH0480*Y4HMA	55,800	16,400	466	2	24 (610)	7,050	11,978	65 (20)	80 (24)
4	BEH0565*Y4HMA	64,800	19,000	1,079	2	24 (610)	7,050	11,978	65 (20)	80 (24)
4	BEH0730*Y4HMA	80,400	23,600	1,161	3	24 (610)	11,200	19,029	65 (20)	80 (24)
4	BEH0845*Y4HMA	93,300	27,300	1,316	3	24 (610)	11,200	19,029	65 (20)	80 (24)
4	BEH1010*Y4HMA	110,200	32,300	1,439	4	24 (610)	15,000	25,485	65 (20)	80 (24)
4	BEH1085*Y4HMA	118,600	34,800	1,576	4	24 (610)	15,000	25,485	65 (20)	80 (24)

Notes:

[1] = Capacities shown are Application Capacities reflecting nominal operation at 10°F TD. For models within the scope of the DOE AWEF (Annual Walk-in Energy Factor) standard, the Net Capacity is determined by the AHRI 1250 test method. DOE will publish this compliance data at www.regulations.doe.gov

* = Electrical Code Designator (see Nomenclature details)

Net Capacity is available upon request

Models Meeting DOE Minimum AWEF

A1 PERFORMANCE DATA

Low Temperature Hot Gas Defrost - 60 Hz

Please consult AWEF table on page 89 to confirm model meets DOE minimum AWEF

FPI	Model	Legacy Model	R-404A[2] Application Capacity[1] 10°F TD -20°F SST BTUH	R-404A[2] Application Capacity[1] 6°C TD -29°C SST Watts	R-448A/R-449A Application Capacity[1] 10°F TD -20°F SST BTUH	R-448A/R-449A Application Capacity[1] 6°C TD -29°C SST Watts	Fan Data No. of Fans	Fan Data Dia. in (mm)	Fan Data CFM	Fan Data m^3H	Air Throw Standard ft (m)	Air Throw w/Collar ft (m)
6	BEH0540*±6HMA	BHG450	-	-	53,800	15,800	2	24 (610)	6,850	11,638	65 (20)	80 (24)
6	BEH0630*±6HMA	BHG550	49,000	14,400	63,000	18,500	2	24 (610)	6,850	11,638	65 (20)	80 (24)
6	BEH0805*±6HMA	BHG640	65,000	19,000	80,100	23,500	3	24 (610)	10,800	18,349	65 (20)	80 (24)
6	BEH0925*±6HMA	BHG740	73,000	21,400	92,300	27,100	3	24 (610)	10,800	18,349	65 (20)	80 (24)
6	BEH1125*±6HMA	BHG810	89,000	26,100	112,200	32,900	4	24 (610)	14,400	24,466	65 (20)	80 (24)
6	BEH1210*±6HMA	BHG950	94,000	27,500	120,700	35,400	4	24 (610)	14,400	24,466	65 (20)	80 (24)
4	BEH0480*±4HMA	BHF400	-	-	48,000	14,100	2	24 (610)	7,050	11,978	65 (20)	80 (24)
4	BEH0565*±4HMA	BHF480	-	-	56,400	16,500	2	24 (610)	7,050	11,978	65 (20)	80 (24)
4	BEH0730*±4HMA	BHF560	-	-	72,700	21,300	3	24 (610)	11,200	19,029	65 (20)	80 (24)
4	BEH0845*±4HMA	BHF650	-	-	84,300	24,700	3	24 (610)	11,200	19,029	65 (20)	80 (24)
4	BEH1010*±4HMA	BHF710	-	-	100,800	29,500	4	24 (610)	15,000	25,485	65 (20)	80 (24)
4	BEH1085*±4HMA	BHF840	-	-	108,300	31,700	4	24 (610)	15,000	25,485	65 (20)	80 (24)
6	BEH1340*±6HMA	BHG1200	102,000	29,900	134,000	39,300	3	30 (763)	20,700	35,170	100 (30)	115 (35)
6	BEH1560*±6HMA	BHG1390	118,000	34,600	156,000	45,700	3	30 (763)	24,300	41,286	100 (30)	115 (35)
6	BEH1820*±6HMA	BHG1650	140,000	41,000	182,000	53,300	3	30 (763)	26,550	45,109	120 (37)	140 (43)
6	BEH2330*±6HMA	BHG2120	180,000	52,800	233,000	68,300	4	30 (763)	35,400	60,145	120 (37)	140 (43)

FPI	Model	Legacy Model	R-407A/R-407F Application Capacity[1] 10°F TD -20°F SST BTUH	R-407A/R-407F Application Capacity[1] 6°C TD -29°C SST Watts	R-407C Application Capacity[1] 10°F TD -20°F SST BTUH	R-407C Application Capacity[1] 6°C TD -29°C SST Watts	Fan Data No. of Fans	Fan Data Dia. in (mm)	Fan Data CFM	Fan Data m^3H	Air Throw Standard ft (m)	Air Throw w/Collar ft (m)
6	BEH0540*±6HMA	BHG450	52,900	15,500	-	-	2	24 (610)	6,850	11,638	65 (20)	80 (24)
6	BEH0630*±6HMA	BHG550	61,600	18,100	-	-	2	24 (610)	6,850	11,638	65 (20)	80 (24)
6	BEH0805*±6HMA	BHG640	79,300	23,200	-	-	3	24 (610)	10,800	18,349	65 (20)	80 (24)
6	BEH0925*±6HMA	BHG740	91,400	26,800	-	-	3	24 (610)	10,800	18,349	65 (20)	80 (24)
6	BEH1125*±6HMA	BHG810	109,300	32,000	-	-	4	24 (610)	14,400	24,466	65 (20)	80 (24)
6	BEH1210*±6HMA	BHG950	117,500	34,400	-	-	4	24 (610)	14,400	24,466	65 (20)	80 (24)
4	BEH0480*±4HMA	BHF400	47,600	14,000	-	-	2	24 (610)	7,050	11,978	65 (20)	80 (24)
4	BEH0565*±4HMA	BHF480	55,900	16,400	-	-	2	24 (610)	7,050	11,978	65 (20)	80 (24)
4	BEH0730*±4HMA	BHF560	71,400	20,900	-	-	3	24 (610)	11,200	19,029	65 (20)	80 (24)
4	BEH0845*±4HMA	BHF650	83,100	24,400	-	-	3	24 (610)	11,200	19,029	65 (20)	80 (24)
4	BEH1010*±4HMA	BHF710	98,000	28,700	-	-	4	24 (610)	15,000	25,485	65 (20)	80 (24)
4	BEH1085*±4HMA	BHF840	106,600	31,200	-	-	4	24 (610)	15,000	25,485	65 (20)	80 (24)
6	BEH1340*±6HMA	BHG1200	134,000	39,300	-	-	3	30 (763)	20,700	35,170	100 (30)	115 (35)
6	BEH1560*±6HMA	BHG1390	156,000	45,700	-	-	3	30 (763)	24,300	41,286	100 (30)	115 (35)
6	BEH1820*±6HMA	BHG1650	182,000	53,300	-	-	3	30 (763)	26,550	45,109	120 (37)	140 (43)
6	BEH2330*±6HMA	BHG2120	233,000	68,300	-	-	4	30 (763)	35,400	60,145	120 (37)	140 (43)

Notes:

[1] = Capacities shown are Application Capacities reflecting nominal operation at 10°F TD. For models within the scope of the DOE AWEF (Annual Walk-in Energy Factor) standard, the Net Capacity is determined by the AHRI 1250 test method. DOE will publish this compliance data at www.regulations.doe.gov

[2] = R-404A capacities for 30 inch fan models use 700 RPM 2-speed EC motor kit. Capacities for R-448A/R-449A and R-407A/C/F use 850 RPM 2-speed EC motor kit.

* = Electrical Code Designator (see Nomenclature details)

Net Capacity is available upon request

± = Refrigerant designator Y or S (see Nomenclature details)

Models Meeting DOE Minimum AWEF

A1 PERFORMANCE DATA

Medium Temperature Hot Gas Defrost - 60 Hz

Please consult AWEF table on page 88 to confirm model meets DOE minimum AWEF

FPI	Model	Legacy Model	R-404A/R-507A Application Capacity[1] 10°F TD 25°F SST BTUH	R-404A/R-507A Application Capacity[1] 6°C TD -4°C SST Watts	R-448A/R-449A Application Capacity[1] 10°F TD 25°F SST BTUH	R-448A/R-449A Application Capacity[1] 6°C TD -4°C SST Watts	Fan Data No. of Fans	Fan Data Dia. in (mm)	Fan Data CFM	Fan Data m^3H	Air Throw Standard ft (m)	Air Throw w/Collar ft (m)
6	BEH0540*±6HMA	BHG450	-	-	62,400	18,300	2	24 (610)	6,850	11,638	65 (20)	80 (24)
6	BEH0630*±6HMA	BHG550	-	-	73,100	21,400	2	24 (610)	6,850	11,638	65 (20)	80 (24)
6	BEH0805*±6HMA	BHG640	-	-	92,900	27,200	3	24 (610)	10,800	18,349	65 (20)	80 (24)
6	BEH0925*±6HMA	BHG740	-	-	107,100	31,400	3	24 (610)	10,800	18,349	65 (20)	80 (24)
6	BEH1125*±6HMA	BHG810	-	-	130,200	38,200	4	24 (610)	14,400	24,466	65 (20)	80 (24)
6	BEH1210*±6HMA	BHG950	-	-	140,000	41,000	4	24 (610)	14,400	24,466	65 (20)	80 (24)
4	BEH0480*±4HMA	BHF400	-	-	55,700	16,300	2	24 (610)	7,050	11,978	65 (20)	80 (24)
4	BEH0565*±4HMA	BHF480	-	-	65,400	19,200	2	24 (610)	7,050	11,978	65 (20)	80 (24)
4	BEH0730*±4HMA	BHF560	-	-	84,300	24,700	3	24 (610)	11,200	19,029	65 (20)	80 (24)
4	BEH0845*±4HMA	BHF650	-	-	97,800	28,700	3	24 (610)	11,200	19,029	65 (20)	80 (24)
4	BEH1010*±4HMA	BHF710	-	-	116,900	34,300	4	24 (610)	15,000	25,485	65 (20)	80 (24)
4	BEH1085*±4HMA	BHF840	-	-	125,600	36,800	4	24 (610)	15,000	25,485	65 (20)	80 (24)

FPI	Model	Legacy Model	R-407A/R-407F Application Capacity[1] 10°F TD 25°F SST BTUH	R-407A/R-407F Application Capacity[1] 6°C TD -4°C SST Watts	R-407C Application Capacity[1] 10°F TD 25°F SST BTUH	R-407C Application Capacity[1] 6°C TD -4°C SST Watts	Fan Data No. of Fans	Fan Data Dia. in (mm)	Fan Data CFM	Fan Data m^3H	Air Throw Standard ft (m)	Air Throw w/Collar ft (m)
6	BEH0540*±6HMA	BHG450	61,400	18,000	-	-	2	24 (610)	6,850	11,638	65 (20)	80 (24)
6	BEH0630*±6HMA	BHG550	71,500	21,000	-	-	2	24 (610)	6,850	11,638	65 (20)	80 (24)
6	BEH0805*±6HMA	BHG640	92,000	27,000	-	-	3	24 (610)	10,800	18,349	65 (20)	80 (24)
6	BEH0925*±6HMA	BHG740	106,000	31,100	-	-	3	24 (610)	10,800	18,349	65 (20)	80 (24)
6	BEH1125*±6HMA	BHG810	126,800	37,200	-	-	4	24 (610)	14,400	24,466	65 (20)	80 (24)
6	BEH1210*±6HMA	BHG950	136,300	39,900	-	-	4	24 (610)	14,400	24,466	65 (20)	80 (24)
4	BEH0480*±4HMA	BHF400	55,200	16,200	-	-	2	24 (610)	7,050	11,978	65 (20)	80 (24)
4	BEH0565*±4HMA	BHF480	64,800	19,000	-	-	2	24 (610)	7,050	11,978	65 (20)	80 (24)
4	BEH0730*±4HMA	BHF560	82,800	24,300	-	-	3	24 (610)	11,200	19,029	65 (20)	80 (24)
4	BEH0845*±4HMA	BHF650	96,400	28,300	-	-	3	24 (610)	11,200	19,029	65 (20)	80 (24)
4	BEH1010*±4HMA	BHF710	113,700	33,300	-	-	4	24 (610)	15,000	25,485	65 (20)	80 (24)
4	BEH1085*±4HMA	BHF840	123,700	36,300	-	-	4	24 (610)	15,000	25,485	65 (20)	80 (24)

Notes:

[1] = Capacities shown are Application Capacities reflecting nominal operation at 10°F TD. For models within the scope of the DOE AWEF (Annual Walk-in Energy Factor) standard, the Net Capacity is determined by the AHRI 1250 test method. DOE will publish this compliance data at www.regulations.doe.gov

* = Electrical Code Designator (see Nomenclature details)

Net Capacity is available upon request

± = Refrigerant designator Y or S (see Nomenclature details)

SPECIFICATIONS

Hot Gas Defrost - 60 Hz

FPI	Model	Fan Diameter in (mm)	HP	2-Speed EC Motors								Drain Pan Heaters†		
				208-230/3/60				460/3/60				Watts	Total Amps	
				Amps	Watts	MCA	MOPD	Amps	Watts	MCA	MOPD		208-230/3/60	460/1/60
6	BEH0540*±6HMA	24 (610)	3/4	4.4	1,119	5.0	15	2.2	1,119	2.5	15	2,100	9.2	4.6
6	BEH0630*±6HMA	24 (610)	3/4	4.4	1,119	5.0	15	2.2	1,119	2.5	15	2,100	9.2	4.6
6	BEH0805*±6HMA	24 (610)	3/4	6.6	1,679	7.2	15	3.3	1,679	3.6	15	2,700	11.8	5.9
6	BEH0925*±6HMA	24 (610)	3/4	6.6	1,679	7.2	15	3.3	1,679	3.6	15	2,700	11.8	5.9
6	BEH1125*±6HMA	24 (610)	3/4	8.8	2,238	9.4	15	4.4	2,238	4.7	15	4,000	17.4	8.7
6	BEH1210*±6HMA	24 (610)	3/4	8.8	2,238	9.4	15	4.4	2,238	4.7	15	4,000	17.4	8.7
4	BEH0480*±4HMA	24 (610)	3/4	4.4	1,119	5.0	15	2.2	1,119	2.5	15	2,100	9.2	4.6
4	BEH0565*±4HMA	24 (610)	3/4	4.4	1,119	5.0	15	2.2	1,119	2.5	15	2,100	9.2	4.6
4	BEH0730*±4HMA	24 (610)	3/4	6.6	1,679	7.2	15	3.3	1,679	3.6	15	2,700	11.8	5.9
4	BEH0845*±4HMA	24 (610)	3/4	6.6	1,679	7.2	15	3.3	1,679	3.6	15	2,700	11.8	5.9
4	BEH1010*±4HMA	24 (610)	3/4	8.8	2,238	9.4	15	4.4	2,238	4.7	15	4,000	17.4	8.7
4	BEH1085*±4HMA	24 (610)	3/4	8.8	2,238	9.4	15	4.4	2,238	4.7	15	4,000	17.4	8.7
6	BEH1340*±6HMA	30 (763)	1-1/2	11.1	3,356	12.0	20	5.7	3,356	6.2	15	4,000	17.4	8.7
6	BEH1560*±6HMA	30 (763)	1-1/2	11.1	3,356	12.0	20	5.7	3,356	6.2	15	4,000	17.4	8.7
6	BEH1820*±6HMA	30 (763)	1-1/2	11.1	3,356	12.0	20	5.7	3,356	6.2	15	4,200	18.2	9.1
6	BEH2330*±6HMA	30 (763)	1-1/2	14.8	4,474	15.7	25	7.6	4,474	8.1	15	6,450	23.2**	14.0

Notes:

* = Electrical Code Designator (see Nomenclature details)

** = This model with 3-phase drain pan heaters

† = Hot gas drain pan available

± = Refrigerant designator Y or S (see Nomenclature details)

Models Not Meeting DOE Minimum AWEF

A2L PERFORMANCE DATA

Low Temperature Hot Gas Defrost - 60 Hz, Electric Drain Pan

FPI	Model	R-455A Application Capacity[1] 10°F TD -20°F SST BTUH	R-455A Application Capacity[1] 6°C TD -29°C SST Watts	R-455A Room Area Min. Sq. Ft.	R-454C Application Capacity[1] 10°F TD -20°F SST BTUH	R-454C Application Capacity[1] 6°C TD -29°C SST Watts	R-454C Room Area Min. Sq. Ft.	Fan Data No. of Fans	Fan Data Dia. in (mm)	Fan Data CFM	Fan Data m^3H	Air Throw Standard ft (m)	Air Throw w/Collar ft (m)
6	BEH0423*Y6H^A	46,600	13,700	166	40,700	11,900	246	2	24 (610)	9,000	15,291	70 (21)	85 (26)
6	BEH0513*Y6H^A	58,000	17,000	203	50,600	14,800	300	2	24 (610)	9,000	15,291	70 (21)	85 (26)
6	BEH0573*Y6H^A	65,600	19,200	174	57,300	16,800	258	3	24 (610)	12,600	21,408	70 (21)	85 (26)
6	BEH0713*Y6H^A	77,000	22,600	209	67,200	19,700	310	3	24 (610)	12,600	21,408	70 (21)	85 (26)
6	BEH0763*Y6H^A	84,600	24,800	375	73,900	21,700	1,111	4	24 (610)	16,800	28,543	70 (21)	85 (26)
6	BEH0963*Y6H^A	99,800	29,200	419	87,200	25,600	1241	4	24 (610)	16,800	28,543	70 (21)	85 (26)
4	BEH0373*Y4H^A	40,900	12,000	166	35,700	10,500	246	2	24 (610)	9,400	15,971	70 (21)	85 (26)
4	BEH0473*Y4H^A	50,400	14,800	203	44,000	12,900	300	2	24 (610)	9,400	15,971	70 (21)	85 (26)
4	BEH0513*Y4H^A	57,000	16,700	174	49,800	14,600	258	3	24 (610)	13,200	22,427	70 (21)	85 (26)
4	BEH0653*Y4H^A	66,500	19,500	209	58,100	17,000	310	3	24 (610)	13,200	22,427	70 (21)	85 (26)
4	BEH0693*Y4H^A	73,200	21,500	375	63,900	18,700	1,111	4	24 (610)	17,600	29,903	70 (21)	85 (26)
4	BEH0883*Y4H^A	86,500	25,400	419	75,500	22,100	1,241	4	24 (610)	17,600	29,903	70 (21)	85 (26)
6	BEH1123*Y6H^A	106,400	31,200	369	93,000	27,300	1,092	3	30 (763)	20,700	35,170	100 (30)	115 (35)
6	BEH1343*Y6H^A	127,300	37,300	370	111,200	32,600	1,096	3	30 (763)	20,700	35,170	100 (30)	115 (35)
6	BEH1563*Y6H^A	148,200	43,400	439	129,500	38,000	1,300	3	30 (763)	24,300	41,286	100 (30)	115 (35)
6	BEH1823*Y6H^A	172,900	50,700	1,608	151,100	44,300	2,384	3	30 (763)	26,550	45,109	120 (37)	140 (43)
6	BEH2333*Y6H^A	221,400	64,900	2,172	193,400	56,700	1,610**	4	30 (763)	35,400	60,145	120 (37)	140 (43)
4	BEH0983*Y4H^A	93,100	27,300	369	81,300	23,800	1,092	3	30 (763)	21,600	36,699	100 (30)	115 (35)
4	BEH1163*Y4H^A	110,200	32,300	370	96,300	28,200	1,096	3	30 (763)	21,600	36,699	100 (30)	115 (35)
4	BEH1343*Y4H^A	127,300	37,300	436	111,200	32,600	1,292	3	30 (763)	25,200	42,815	100 (30)	115 (35)
4	BEH1583*Y4H^A	150,100	44,000	1,603	131,100	38,400	2,376	3	30 (763)	27,600	46,893	120 (37)	140 (43)
4	BEH2053*Y4H^A	194,800	57,100	2,025	170,200	49,900	1,501**	4	30 (763)	36,800	62,524	120 (37)	140 (43)

Notes:

[1] = Capacities shown are Application Capacities reflecting nominal operation at 10°F TD. For models within the scope of the DOE AWEF (Annual Walk-in Energy Factor) standard, the Net Capacity is determined by the AHRI 1250 test method. DOE will publish this compliance data at www.regulations.doe.gov

* = Electrical Code Designator (see Nomenclature details)

** = Releasable charge is larger than Mmax. Ventilation is required.

^ = Motor Code Designator (see Nomenclature details)

Models Not Meeting DOE Minimum AWEF

A2L PERFORMANCE DATA

Low Temperature Hot Gas Defrost - 60 Hz, Electric Drain Pan

FPI	Model	R-454A Application Capacity[1] 10°F TD -20°F SST BTUH	6°C TD -29°C SST Watts	Room Area Min. Sq. Ft.	Fan Data No. of Fans	Dia. in (mm)	CFM	m^3H	Air Throw Standard ft (m)	w/Collar ft (m)
6	BEH0423*Y6H^A	47,500	13,900	257	2	24 (610)	9,000	15,291	70 (21)	85 (26)
6	BEH0513*Y6H^A	59,200	17,300	313	2	24 (610)	9,000	15,291	70 (21)	85 (26)
6	BEH0573*Y6H^A	66,900	19,600	269	3	24 (610)	12,600	21,408	70 (21)	85 (26)
6	BEH0713*Y6H^A	78,600	23,000	323	3	24 (610)	12,600	21,408	70 (21)	85 (26)
6	BEH0763*Y6H^A	86,300	25,300	1,159	4	24 (610)	16,800	28,543	70 (21)	85 (26)
6	BEH0963*Y6H^A	101,900	29,900	1,295	4	24 (610)	16,800	28,543	70 (21)	85 (26)
4	BEH0373*Y4H^A	41,700	12,200	257	2	24 (610)	9,400	15,971	70 (21)	85 (26)
4	BEH0473*Y4H^A	51,400	15,100	313	2	24 (610)	9,400	15,971	70 (21)	85 (26)
4	BEH0513*Y4H^A	58,200	17,100	269	3	24 (610)	13,200	22,427	70 (21)	85 (26)
4	BEH0653*Y4H^A	67,900	19,900	323	3	24 (610)	13,200	22,427	70 (21)	85 (26)
4	BEH0693*Y4H^A	74,700	21,900	1,159	4	24 (610)	17,600	29,903	70 (21)	85 (26)
4	BEH0883*Y4H^A	88,300	25,900	1,295	4	24 (610)	17,600	29,903	70 (21)	85 (26)
6	BEH1123*Y6H^A	108,600	31,800	1,140	3	30 (763)	20,700	35,170	100 (30)	115 (35)
6	BEH1343*Y6H^A	130,000	38,100	1,143	3	30 (763)	20,700	35,170	100 (30)	115 (35)
6	BEH1563*Y6H^A	151,300	44,300	1,356	3	30 (763)	24,300	41,286	100 (30)	115 (35)
6	BEH1823*Y6H^A	176,500	51,700	2,485	3	30 (763)	26,550	45,109	120 (37)	140 (43)
6	BEH2333*Y6H^A	226,000	66,200	1,677**	4	30 (763)	35,400	60,145	120 (37)	140 (43)
4	BEH0983*Y4H^A	95,100	27,900	1,140	3	30 (763)	21,600	36,699	100 (30)	115 (35)
4	BEH1163*Y4H^A	112,500	33,000	1,143	3	30 (763)	21,600	36,699	100 (30)	115 (35)
4	BEH1343*Y4H^A	130,000	38,100	1,348	3	30 (763)	25,200	42,815	100 (30)	115 (35)
4	BEH1583*Y4H^A	153,300	44,900	2,476	3	30 (763)	27,600	46,893	120 (37)	140 (43)
4	BEH2053*Y4H^A	198,900	58,300	1,565**	4	30 (763)	36,800	62,524	120 (37)	140 (43)

Notes:

[1] = Capacities shown are Application Capacities reflecting nominal operation at 10°F TD. For models within the scope of the DOE AWEF (Annual Walk-in Energy Factor) standard, the Net Capacity is determined by the AHRI 1250 test method. DOE will publish this compliance data at www.regulations.doe.gov

* = Electrical Code Designator (see Nomenclature details)

** = Releasable charge is larger than Mmax. Ventilation is required.

^ = Motor Code Designator (see Nomenclature details)

Models Not Meeting DOE Minimum AWEF

A2L PERFORMANCE DATA

Application Capacity: Low Temperature Hot Gas Defrost - 60 Hz, Hot Gas Drain Pan

FPI	Model	R-455A Application Capacity[1]			R-454C Application Capacity[1]			Fan Data				Air Throw	
		10°F TD -20°F SST	6°C TD -29°C SST	Room Area Min.	10°F TD -20°F SST	6°C TD -29°C SST	Room Area Min.	No. of Fans	Dia.	CFM	m^3H	Standard	w/Collar
		BTUH	Watts	Sq. Ft.	BTUH	Watts	Sq. Ft.		in (mm)			ft (m)	ft (m)
6	BEH0423*Y6H^A	46,600	13,700	236	40,700	11,900	350	2	24 (610)	9,000	15,291	70 (21)	85 (26)
6	BEH0513*Y6H^A	58,000	17,000	272	50,600	14,800	404	2	24 (610)	9,000	15,291	70 (21)	85 (26)
6	BEH0573*Y6H^A	65,600	19,200	254	57,300	16,800	376	3	24 (610)	12,600	21,408	70 (21)	85 (26)
6	BEH0713*Y6H^A	77,000	22,600	289	67,200	19,700	428	3	24 (610)	12,600	21,408	70 (21)	85 (26)
6	BEH0763*Y6H^A	84,600	24,800	464	73,900	21,700	1,375	4	24 (610)	16,800	28,543	70 (21)	85 (26)
6	BEH0963*Y6H^A	99,800	29,200	508	87,200	25,600	1,505	4	24 (610)	16,800	28,543	70 (21)	85 (26)
4	BEH0373*Y4H^A	40,900	12,000	236	35,700	10,500	350	2	24 (610)	9,400	15,971	70 (21)	85 (26)
4	BEH0473*Y4H^A	50,400	14,800	272	44,000	12,900	404	2	24 (610)	9,400	15,971	70 (21)	85 (26)
4	BEH0513*Y4H^A	57,000	16,700	254	49,800	14,600	376	3	24 (610)	13,200	22,427	70 (21)	85 (26)
4	BEH0653*Y4H^A	66,500	19,500	289	58,100	17,000	428	3	24 (610)	13,200	22,427	70 (21)	85 (26)
4	BEH0693*Y4H^A	73,200	21,500	464	63,900	18,700	1,375	4	24 (610)	17,600	29,903	70 (21)	85 (26)
4	BEH0883*Y4H^A	86,500	25,400	508	75,500	22,100	1,505	4	24 (610)	17,600	29,903	70 (21)	85 (26)
6	BEH1123*Y6H^A	106,400	31,200	485	93,000	27,300	1,435	3	30 (763)	20,700	35,170	100 (30)	115 (35)
6	BEH1343*Y6H^A	127,300	37,300	486	111,200	32,600	1,438	3	30 (763)	20,700	35,170	100 (30)	115 (35)
6	BEH1563*Y6H^A	148,200	43,400	1,066	129,500	38,000	1,579	3	30 (763)	24,300	41,286	100 (30)	115 (35)
6	BEH1823*Y6H^A	172,900	50,700	1,856	151,100	44,300	1,376**	3	30 (763)	26,550	45,109	120 (37)	140 (43)
6	BEH2333*Y6H^A	221,400	64,900	2,253	193,400	56,700	1,670**	4	30 (763)	35,400	60,145	120 (37)	140 (43)
4	BEH0983*Y4H^A	93,100	27,300	485	81,300	23,800	1,435	3	30 (763)	21,600	36,699	100 (30)	115 (35)
4	BEH1163*Y4H^A	110,200	32,300	486	96,300	28,200	1,438	3	30 (763)	21,600	36,699	100 (30)	115 (35)
4	BEH1343*Y4H^A	127,300	37,300	1,063	111,200	32,600	1,575	3	30 (763)	25,200	42,815	100 (30)	115 (35)
4	BEH1583*Y4H^A	150,100	44,000	1,851	131,100	38,400	1,372**	3	30 (763)	27,600	46,893	120 (37)	140 (43)
4	BEH2053*Y4H^A	194,800	57,100	2,180	170,200	49,900	1,615**	4	30 (763)	36,800	62,524	120 (37)	140 (43)

Notes:

[1] = Capacities shown are Application Capacities reflecting nominal operation at 10°F TD. For models within the scope of the DOE AWEF (Annual Walk-in Energy Factor) standard, the Net Capacity is determined by the AHRI 1250 test method. DOE will publish this compliance data at www.regulations.doe.gov

* = Electrical Code Designator (see Nomenclature details)

** = Releasable charge is larger than Mmax. Ventilation is required.

^ = Motor Code Designator (see Nomenclature details)

Models Not Meeting DOE Minimum AWEF

A2L PERFORMANCE DATA

Low Temperature Hot Gas Defrost - 60 Hz, Hot Gas Drain Pan

		R-454A								
		Application Capacity[1]			Fan Data				Air Throw	
FPI	Model	10°F TD -20°F SST	6°C TD -29°C SST	Room Area Min.	No. of Fans	Dia.	CFM	m^3H	Standard	w/Collar
		BTUH	Watts	Sq. Ft.		in (mm)			ft (m)	ft (m)
6	BEH0423*Y6H^A	47,500	13,900	365	2	24 (610)	9,000	15,291	70 (21)	85 (26)
6	BEH0513*Y6H^A	59,200	17,300	421	2	24 (610)	9,000	15,291	70 (21)	85 (26)
6	BEH0573*Y6H^A	66,900	19,600	392	3	24 (610)	12,600	21,408	70 (21)	85 (26)
6	BEH0713*Y6H^A	78,600	23,000	446	3	24 (610)	12,600	21,408	70 (21)	85 (26)
6	BEH0763*Y6H^A	86,300	25,300	1,435	4	24 (610)	16,800	28,543	70 (21)	85 (26)
6	BEH0963*Y6H^A	101,900	29,900	1,571	4	24 (610)	16,800	28,543	70 (21)	85 (26)
4	BEH0373*Y4H^A	41,700	12,200	365	2	24 (610)	9,400	15,971	70 (21)	85 (26)
4	BEH0473*Y4H^A	51,400	15,100	421	2	24 (610)	9,400	15,971	70 (21)	85 (26)
4	BEH0513*Y4H^A	58,200	17,100	392	3	24 (610)	13,200	22,427	70 (21)	85 (26)
4	BEH0653*Y4H^A	67,900	19,900	446	3	24 (610)	13,200	22,427	70 (21)	85 (26)
4	BEH0693*Y4H^A	74,700	21,900	1,435	4	24 (610)	17,600	29,903	70 (21)	85 (26)
4	BEH0883*Y4H^A	88,300	25,900	1,571	4	24 (610)	17,600	29,903	70 (21)	85 (26)
6	BEH1123*Y6H^A	108,600	31,800	1,498	3	30 (763)	20,700	35,170	100 (30)	115 (35)
6	BEH1343*Y6H^A	130,000	38,100	1,501	3	30 (763)	20,700	35,170	100 (30)	115 (35)
6	BEH1563*Y6H^A	151,300	44,300	1,649	3	30 (763)	24,300	41,286	100 (30)	115 (35)
6	BEH1823*Y6H^A	176,500	51,700	1,435**	3	30 (763)	26,550	45,109	120 (37)	140 (43)
6	BEH2333*Y6H^A	226,000	66,200	1,742**	4	30 (763)	35,400	60,145	120 (37)	140 (43)
4	BEH0983*Y4H^A	95,100	27,900	1,498	3	30 (763)	21,600	36,699	100 (30)	115 (35)
4	BEH1163*Y4H^A	112,500	33,000	1,501	3	30 (763)	21,600	36,699	100 (30)	115 (35)
4	BEH1343*Y4H^A	130,000	38,100	1,644	3	30 (763)	25,200	42,815	100 (30)	115 (35)
4	BEH1583*Y4H^A	153,300	44,900	1,430**	3	30 (763)	27,600	46,893	120 (37)	140 (43)
4	BEH2053*Y4H^A	198,900	58,300	1,686**	4	30 (763)	36,800	62,524	120 (37)	140 (43)

Notes:

[1] = Capacities shown are Application Capacities reflecting nominal operation at 10°F TD. For models within the scope of the DOE AWEF (Annual Walk-in Energy Factor) standard, the Net Capacity is determined by the AHRI 1250 test method. DOE will publish this compliance data at www.regulations.doe.gov

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Models Not Meeting DOE Minimum AWEF

A1 PERFORMANCE DATA

Low Temperature Hot Gas Defrost - 60 Hz

FPI	Model	Legacy Model	R-404A/R-507A Application Capacity[1] 10°F TD -20°F SST BTUH	R-404A/R-507A Application Capacity[1] 6°C TD -29°C SST Watts	R-448A/R-449A Application Capacity[1] 10°F TD -20°F SST BTUH	R-448A/R-449A Application Capacity[1] 6°C TD -29°C SST Watts	Fan Data No. of Fans	Fan Data Dia. in (mm)	Fan Data CFM	Fan Data m^3H	Air Throw Standard ft (m)	Air Throw w/Collar ft (m)
6	BEH0423*±6H^A	BHG450	45,000	13,200	49,000	14,400	2	24 (610)	9,000	15,291	70 (21)	85 (26)
6	BEH0513*±6H^A	BHG550	54,350	15,900	61,000	17,900	2	24 (610)	9,000	15,291	70 (21)	85 (26)
6	BEH0573*±6H^A	BHG640	62,700	18,400	69,000	20,200	3	24 (610)	12,600	21,408	70 (21)	85 (26)
6	BEH0713*±6H^A	BHG740	74,000	21,700	81,000	23,700	3	24 (610)	12,600	21,408	70 (21)	85 (26)
6	BEH0763*±6H^A	BHG810	81,000	23,700	89,000	26,100	4	24 (610)	16,800	28,543	70 (21)	85 (26)
6	BEH0963*±6H^A	BHG950	95,000	27,800	105,000	30,800	4	24 (610)	16,800	28,543	70 (21)	85 (26)
4	BEH0373*±4H^A	BHF400	40,000	11,700	43,000	12,600	2	24 (610)	9,400	15,971	70 (21)	85 (26)
4	BEH0473*±4H^A	BHF480	48,000	14,100	53,000	15,500	2	24 (610)	9,400	15,971	70 (21)	85 (26)
4	BEH0513*±4H^A	BHF560	56,000	16,400	60,000	17,600	3	24 (610)	13,200	22,427	70 (21)	85 (26)
4	BEH0653*±4H^A	BHF650	65,000	19,000	70,000	20,500	3	24 (610)	13,200	22,427	70 (21)	85 (26)
4	BEH0693*±4H^A	BHF710	71,000	20,800	77,000	22,600	4	24 (610)	17,600	29,903	70 (21)	85 (26)
4	BEH0883*±4H^A	BHF840	84,000	24,600	91,000	26,700	4	24 (610)	17,600	29,903	70 (21)	85 (26)
6	BEH1123*±6H^A	BHG1020	100,850	29,600	112,000	32,800	3	30 (763)	20,700	35,170	100 (30)	115 (35)
6	BEH1343*±6H^A	BHG1200	120,000	35,200	134,000	39,300	3	30 (763)	20,700	35,170	100 (30)	115 (35)
6	BEH1563*±6H^A	BHG1390	139,000	40,700	156,000	45,700	3	30 (763)	24,300	41,286	100 (30)	115 (35)
6	BEH1823*±6H^A	BHG1650	152,000	44,500	182,000	53,300	3	30 (763)	26,550	45,109	120 (37)	140 (43)
6	BEH2333*±6H^A	BHG2120	203,550	59,700	233,000	68,300	4	30 (763)	35,400	60,145	120 (37)	140 (43)
4	BEH0983*±4H^A	BHF890	89,000	26,100	98,000	28,700	3	30 (763)	21,600	36,699	100 (30)	115 (35)
4	BEH1163*±4H^A	BHF1050	105,000	30,800	116,000	34,000	3	30 (763)	21,600	36,699	100 (30)	115 (35)
4	BEH1343*±4H^A	BHF1220	122,000	35,800	134,000	39,300	3	30 (763)	25,200	42,815	100 (30)	115 (35)
4	BEH1583*±4H^A	BHF1440	141,150	41,400	158,000	46,300	3	30 (763)	27,600	46,893	120 (37)	140 (43)
4	BEH2053*±4H^A	BHF1860	186,000	54,500	205,000	60,100	4	30 (763)	36,800	62,524	120 (37)	140 (43)

Notes:

[1] = Capacities shown are Application Capacities reflecting nominal operation at 10°F TD. For models within the scope of the DOE AWEF (Annual Walk-in Energy Factor) standard, the Net Capacity is determined by the AHRI 1250 test method. DOE will publish this compliance data at www.regulations.doe.gov

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± = Refrigerant designator Y or S (see Nomenclature details)

Models Not Meeting DOE Minimum AWEF

A1 PERFORMANCE DATA

Low Temperature Hot Gas Defrost - 60 Hz

FPI	Model	Legacy Model	R-407A/R-407F Application Capacity[1] 10°F TD -20°F SST BTUH	R-407A/R-407F Application Capacity[1] 6°C TD -29°C SST Watts	R-407C Application Capacity[1] 10°F TD -20°F SST BTUH	R-407C Application Capacity[1] 6°C TD -29°C SST Watts	Fan Data No. of Fans	Fan Data Dia. in (mm)	Fan Data CFM	Fan Data m^3H	Air Throw Standard ft (m)	Air Throw w/Collar ft (m)
6	BEH0423*±6H^A	BHG450	49,000	14,400	49,000	14,400	2	24 (610)	9,000	15,291	70 (21)	85 (26)
6	BEH0513*±6H^A	BHG550	61,000	17,900	61,000	17,900	2	24 (610)	9,000	15,291	70 (21)	85 (26)
6	BEH0573*±6H^A	BHG640	69,000	20,200	69,000	20,200	3	24 (610)	12,600	21,408	70 (21)	85 (26)
6	BEH0713*±6H^A	BHG740	81,000	23,700	81,000	23,700	3	24 (610)	12,600	21,408	70 (21)	85 (26)
6	BEH0763*±6H^A	BHG810	89,000	26,100	89,000	26,100	4	24 (610)	16,800	28,543	70 (21)	85 (26)
6	BEH0963*±6H^A	BHG950	105,000	30,800	105,000	30,800	4	24 (610)	16,800	28,543	70 (21)	85 (26)
4	BEH0373*±4H^A	BHF400	43,000	12,600	43,000	12,600	2	24 (610)	9,400	15,971	70 (21)	85 (26)
4	BEH0473*±4H^A	BHF480	53,000	15,500	53,000	15,500	2	24 (610)	9,400	15,971	70 (21)	85 (26)
4	BEH0513*±4H^A	BHF560	60,000	17,600	60,000	17,600	3	24 (610)	13,200	22,427	70 (21)	85 (26)
4	BEH0653*±4H^A	BHF650	70,000	20,500	70,000	20,500	3	24 (610)	13,200	22,427	70 (21)	85 (26)
4	BEH0693*±4H^A	BHF710	77,000	22,600	77,000	22,600	4	24 (610)	17,600	29,903	70 (21)	85 (26)
4	BEH0883*±4H^A	BHF840	91,000	26,700	91,000	26,700	4	24 (610)	17,600	29,903	70 (21)	85 (26)
6	BEH1123*±6H^A	BHG1020	112,000	32,800	112,000	32,800	3	30 (763)	20,700	35,170	100 (30)	115 (35)
6	BEH1343*±6H^A	BHG1200	134,000	39,300	134,000	39,300	3	30 (763)	20,700	35,170	100 (30)	115 (35)
6	BEH1563*±6H^A	BHG1390	156,000	45,700	156,000	45,700	3	30 (763)	24,300	41,286	100 (30)	115 (35)
6	BEH1823*±6H^A	BHG1650	182,000	53,300	182,000	53,300	3	30 (763)	26,550	45,109	120 (37)	140 (43)
6	BEH2333*±6H^A	BHG2120	233,000	68,300	233,000	68,300	4	30 (763)	35,400	60,145	120 (37)	140 (43)
4	BEH0983*±4H^A	BHF890	98,000	28,700	98,000	28,700	3	30 (763)	21,600	36,699	100 (30)	115 (35)
4	BEH1163*±4H^A	BHF1050	116,000	34,000	116,000	34,000	3	30 (763)	21,600	36,699	100 (30)	115 (35)
4	BEH1343*±4H^A	BHF1220	134,000	39,300	134,000	39,300	3	30 (763)	25,200	42,815	100 (30)	115 (35)
4	BEH1583*±4H^A	BHF1440	158,000	46,300	158,000	46,300	3	30 (763)	27,600	46,893	120 (37)	140 (43)
4	BEH2053*±4H^A	BHF1860	205,000	60,100	205,000	60,100	4	30 (763)	36,800	62,524	120 (37)	140 (43)

Notes:

[1] = Capacities shown are Application Capacities reflecting nominal operation at 10°F TD. For models within the scope of the DOE AWEF (Annual Walk-in Energy Factor) standard, the Net Capacity is determined by the AHRI 1250 test method. DOE will publish this compliance data at www.regulations.doe.gov

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± = Refrigerant designator Y or S (see Nomenclature details)

Models Not Meeting DOE Minimum AWEF

A2L PERFORMANCE DATA

Hot Gas Defrost High CFM - 60 Hz, Electric Drain Pan

FPI	Model	R-455A Application Capacity[1]			R-454C Application Capacity[1]			Fan Data				Air Throw	
		10°F TD -20°F SST	6°C TD -29°C SST	Room Area Min.	10°F TD -20°F SST	6°C TD -29°C SST	Room Area Min.	No. of Fans	Dia.	CFM	m^3H	Standard	w/Collar
		BTUH	Watts	Sq. Ft.	BTUH	Watts	Sq. Ft.		in (mm)			ft (m)	ft (m)
6	BEH0423*Y6HHA	51,200	15,000	166	44,700	13,100	246	2	24 (610)	11,300	19,199	85 (26)	100 (30)
6	BEH0513*Y6HHA	63,700	18,700	203	55,700	16,300	300	2	24 (610)	11,300	19,199	85 (26)	100 (30)
6	BEH0573*Y6HHA	72,100	21,100	174	63,000	18,500	258	3	24 (610)	15,900	27,014	85 (26)	100 (30)
6	BEH0713*Y6HHA	84,600	24,800	209	74,000	21,700	310	3	24 (610)	15,900	27,014	85 (26)	100 (30)
6	BEH0763*Y6HHA	93,000	27,300	375	81,300	23,800	1111	4	24 (610)	21,200	36,019	85 (26)	100 (30)
6	BEH0963*Y6HHA	109,700	32,100	419	95,900	28,100	1,241	4	24 (610)	21,200	36,019	85 (26)	100 (30)
4	BEH0373*Y4HHA	42,900	12,600	166	37,500	11,000	246	2	24 (610)	12,200	20,728	85 (26)	100 (30)
4	BEH0473*Y4HHA	52,900	15,500	203	46,200	13,500	300	2	24 (610)	12,200	20,728	85 (26)	100 (30)
4	BEH0513*Y4HHA	59,900	17,600	174	52,300	15,300	258	3	24 (610)	17,000	28,883	85 (26)	100 (30)
4	BEH0653*Y4HHA	69,800	20,500	209	61,000	17,900	310	3	24 (610)	17,000	28,883	85 (26)	100 (30)
4	BEH0693*Y4HHA	76,800	22,500	375	67,100	19,700	1,111	4	24 (610)	22,600	38,398	85 (26)	100 (30)
4	BEH0883*Y4HHA	90,800	26,600	419	79,300	23,200	1,241	4	24 (610)	22,600	38,398	85 (26)	100 (30)
6	BEH1123*Y6HHA	117,000	34,300	369	102,300	30,000	1,092	3	30 (763)	23,300	39,587	110 (34)	130 (40)
6	BEH1343*Y6HHA	140,000	41,000	370	122,300	35,800	1,096	3	30 (763)	23,300	39,587	110 (34)	130 (40)
6	BEH1563*Y6HHA	163,000	47,800	439	142,400	41,700	1,300	3	30 (763)	28,000	47,572	110 (34)	130 (40)
6	BEH1823*Y6HHA	190,200	55,700	1,608	166,200	48,700	2,384	3	30 (763)	29,700	50,461	130 (40)	150 (46)
6	BEH2333*Y6HHA	243,500	71,400	2,172	212,700	62,300	1,610**	4	30 (763)	39,600	67,281	130 (40)	150 (46)
4	BEH0983*Y4HHA	97,800	28,700	369	85,400	25,000	1,092	3	30 (763)	23,800	40,436	110 (34)	130 (40)
4	BEH1163*Y4HHA	115,700	33,900	370	101,100	29,600	1,096	3	30 (763)	23,800	40,436	110 (34)	130 (40)
4	BEH1343*Y4HHA	133,700	39,200	436	116,800	34,200	1,292	3	30 (763)	28,600	48,592	110 (34)	130 (40)
4	BEH1583*Y4HHA	157,600	46,200	1,603	137,700	40,400	2,376	3	30 (763)	30,600	51,990	130 (40)	150 (46)
4	BEH2053*Y4HHA	204,500	59,900	2,025	178,700	52,400	1,501**	4	30 (763)	40,800	69,320	130 (40)	150 (46)

Notes:

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Models Not Meeting DOE Minimum AWEF

A2L PERFORMANCE DATA

Hot Gas Defrost High CFM - 60 Hz, Electric Drain Pan

FPI	Model	R-454A Application Capacity[1] 10°F TD -20°F SST BTUH	6°C TD -29°C SST Watts	Room Area Min. Sq. Ft.	Fan Data No. of Fans	Dia. in (mm)	CFM	m^3H	Air Throw Standard ft (m)	w/Collar ft (m)
6	BEH0423*Y6HHA	52,300	15,300	257	2	24 (610)	11,300	19,199	85 (26)	100 (30)
6	BEH0513*Y6HHA	65,100	19,100	313	2	24 (610)	11,300	19,199	85 (26)	100 (30)
6	BEH0573*Y6HHA	73,600	21,600	269	3	24 (610)	15,900	27,014	85 (26)	100 (30)
6	BEH0713*Y6HHA	86,400	25,300	323	3	24 (610)	15,900	27,014	85 (26)	100 (30)
6	BEH0763*Y6HHA	95,000	27,800	1,159	4	24 (610)	21,200	36,019	85 (26)	100 (30)
6	BEH0963*Y6HHA	112,000	32,800	1,295	4	24 (610)	21,200	36,019	85 (26)	100 (30)
4	BEH0373*Y4HHA	43,800	12,800	257	2	24 (610)	12,200	20,728	85 (26)	100 (30)
4	BEH0473*Y4HHA	54,000	15,800	313	2	24 (610)	12,200	20,728	85 (26)	100 (30)
4	BEH0513*Y4HHA	61,100	17,900	269	3	24 (610)	17,000	28,883	85 (26)	100 (30)
4	BEH0653*Y4HHA	71,300	20,900	323	3	24 (610)	17,000	28,883	85 (26)	100 (30)
4	BEH0693*Y4HHA	78,400	23,000	1,159	4	24 (610)	22,600	38,398	85 (26)	100 (30)
4	BEH0883*Y4HHA	92,700	27,200	1,295	4	24 (610)	22,600	38,398	85 (26)	100 (30)
6	BEH1123*Y6HHA	119,500	35,000	1,140	3	30 (763)	23,300	39,587	110 (34)	130 (40)
6	BEH1343*Y6HHA	143,000	41,900	1,143	3	30 (763)	23,300	39,587	110 (34)	130 (40)
6	BEH1563*Y6HHA	166,500	48,800	1,356	3	30 (763)	28,000	47,572	110 (34)	130 (40)
6	BEH1823*Y6HHA	194,200	56,900	2,485	3	30 (763)	29,700	50,461	130 (40)	150 (46)
6	BEH2333*Y6HHA	248,600	72,900	1,677**	4	30 (763)	39,600	67,281	130 (40)	150 (46)
4	BEH0983*Y4HHA	99,800	29,200	1,140	3	30 (763)	23,800	40,436	110 (34)	130 (40)
4	BEH1163*Y4HHA	118,100	34,600	1,143	3	30 (763)	23,800	40,436	110 (34)	130 (40)
4	BEH1343*Y4HHA	136,500	40,000	1,348	3	30 (763)	28,600	48,592	110 (34)	130 (40)
4	BEH1583*Y4HHA	160,900	47,200	2,476	3	30 (763)	30,600	51,990	130 (40)	150 (46)
4	BEH2053*Y4HHA	208,800	61,200	1,565**	4	30 (763)	40,800	69,320	130 (40)	150 (46)

Notes:

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Models Not Meeting DOE Minimum AWEF

A2L PERFORMANCE DATA

Hot Gas Defrost High CFM - 60 Hz, Hot Gas Drain Pan

FPI	Model	R-455A Application Capacity[1] 10°F TD -20°F SST BTUH	R-455A Application Capacity[1] 6°C TD -29°C SST Watts	R-455A Application Capacity[1] Room Area Min. Sq. Ft.	R-454C Application Capacity[1] 10°F TD -20°F SST BTUH	R-454C Application Capacity[1] 6°C TD -29°C SST Watts	R-454C Application Capacity[1] Room Area Min. Sq. Ft.	Fan Data No. of FanY	Fan Data Dia. in (mm)	Fan Data CFM	Fan Data m^3H	Air Throw Ytandard ft (m)	Air Throw w/Collar ft (m)
6	BEH0423*Y6HHA	51,200	15,000	236	44,700	13,100	350	2	24 (610)	11,300	19,199	85 (26)	100 (30)
6	BEH0513*Y6HHA	63,700	18,700	272	55,700	16,300	404	2	24 (610)	11,300	19,199	85 (26)	100 (30)
6	BEH0573*Y6HHA	72,100	21,100	254	63,000	18,500	376	3	24 (610)	15,900	27,014	85 (26)	100 (30)
6	BEH0713*Y6HHA	84,600	24,800	289	74,000	21,700	428	3	24 (610)	15,900	27,014	85 (26)	100 (30)
6	BEH0763*Y6HHA	93,000	27,300	464	81,300	23,800	1375	4	24 (610)	21,200	36,019	85 (26)	100 (30)
6	BEH0963*Y6HHA	109,700	32,100	508	95,900	28,100	1,505	4	24 (610)	21,200	36,019	85 (26)	100 (30)
4	BEH0373*Y4HHA	42,900	12,600	236	37,500	11,000	350	2	24 (610)	12,200	20,728	85 (26)	100 (30)
4	BEH0473*Y4HHA	52,900	15,500	272	46,200	13,500	404	2	24 (610)	12,200	20,728	85 (26)	100 (30)
4	BEH0513*Y4HHA	59,900	17,600	254	52,300	15,300	376	3	24 (610)	17,000	28,883	85 (26)	100 (30)
4	BEH0653*Y4HHA	69,800	20,500	289	61,000	17,900	428	3	24 (610)	17,000	28,883	85 (26)	100 (30)
4	BEH0693*Y4HHA	76,800	22,500	464	67,100	19,700	1,375	4	24 (610)	22,600	38,398	85 (26)	100 (30)
4	BEH0883*Y4HHA	90,800	26,600	508	79,300	23,200	1,505	4	24 (610)	22,600	38,398	85 (26)	100 (30)
6	BEH1123*Y6HHA	117,000	34,300	485	102,300	30,000	1,435	3	30 (763)	23,300	39,587	110 (34)	130 (40)
6	BEH1343*Y6HHA	140,000	41,000	486	122,300	35,800	1,438	3	30 (763)	23,300	39,587	110 (34)	130 (40)
6	BEH1563*Y6HHA	163,000	47,800	1,066	142,400	41,700	1,579	3	30 (763)	28,000	47,572	110 (34)	130 (40)
6	BEH1823*Y6HHA	190,200	55,700	1,856	166,200	48,700	1,376**	3	30 (763)	29,700	50,461	130 (40)	150 (46)
6	BEH2333*Y6HHA	243,500	71,400	2,253	212,700	62,300	1,670**	4	30 (763)	39,600	67,281	130 (40)	150 (46)
4	BEH0983*Y4HHA	97,800	28,700	485	85,400	25,000	1,435	3	30 (763)	23,800	40,436	110 (34)	130 (40)
4	BEH1163*Y4HHA	115,700	33,900	486	101,100	29,600	1,438	3	30 (763)	23,800	40,436	110 (34)	130 (40)
4	BEH1343*Y4HHA	133,700	39,200	1,063	116,800	34,200	1,575	3	30 (763)	28,600	48,592	110 (34)	130 (40)
4	BEH1583*Y4HHA	157,600	46,200	1,851	137,700	40,400	1,372**	3	30 (763)	30,600	51,990	130 (40)	150 (46)
4	BEH2053*Y4HHA	204,500	59,900	2,180	178,700	52,400	1,615**	4	30 (763)	40,800	69,320	130 (40)	150 (46)

Notes:

[1] = Capacities shown are Application Capacities reflecting nominal operation at 10°F TD. For models within the scope of the DOE AWEF (Annual Walk-in Energy Factor) standard, the Net Capacity is determined by the AHRI 1250 test method. DOE will publish this compliance data at www.regulations.doe.gov

* = Electrical Code Designator (see Nomenclature details)

** = Releasable charge is larger than Mmax. Ventilation is required.

Models Not Meeting DOE Minimum AWEF

A2L PERFORMANCE DATA

Hot Gas Defrost High CFM - 60 Hz, Hot Gas Drain Pan

FPI	Model	R-454A Application Capacity[1] 10°F TD -20°F SST BTUH	6°C TD -29°C SST Watts	Room Area Min. Sq. Ft.	Fan Data No. of Fans	Dia. in (mm)	CFM	m^3H	Air Throw Standard ft (m)	w/Collar ft (m)
6	BEH0423*Y6HHA	52,300	15,300	365	2	24 (610)	11,300	19,199	85 (26)	100 (30)
6	BEH0513*Y6HHA	65,100	19,100	421	2	24 (610)	11,300	19,199	85 (26)	100 (30)
6	BEH0573*Y6HHA	73,600	21,600	392	3	24 (610)	15,900	27,014	85 (26)	100 (30)
6	BEH0713*Y6HHA	86,400	25,300	446	3	24 (610)	15,900	27,014	85 (26)	100 (30)
6	BEH0763*Y6HHA	95,000	27,800	1,435	4	24 (610)	21,200	36,019	85 (26)	100 (30)
6	BEH0963*Y6HHA	112,000	32,800	1,571	4	24 (610)	21,200	36,019	85 (26)	100 (30)
4	BEH0373*Y4HHA	43,800	12,800	365	2	24 (610)	12,200	20,728	85 (26)	100 (30)
4	BEH0473*Y4HHA	54,000	15,800	421	2	24 (610)	12,200	20,728	85 (26)	100 (30)
4	BEH0513*Y4HHA	61,100	17,900	392	3	24 (610)	17,000	28,883	85 (26)	100 (30)
4	BEH0653*Y4HHA	71,300	20,900	446	3	24 (610)	17,000	28,883	85 (26)	100 (30)
4	BEH0693*Y4HHA	78,400	23,000	1,435	4	24 (610)	22,600	38,398	85 (26)	100 (30)
4	BEH0883*Y4HHA	92,700	27,200	1,571	4	24 (610)	22,600	38,398	85 (26)	100 (30)
6	BEH1123*Y6HHA	119,500	35,000	1,498	3	30 (763)	23,300	39,587	110 (34)	130 (40)
6	BEH1343*Y6HHA	143,000	41,900	1,501	3	30 (763)	23,300	39,587	110 (34)	130 (40)
6	BEH1563*Y6HHA	166,500	48,800	1,649	3	30 (763)	28,000	47,572	110 (34)	130 (40)
6	BEH1823*Y6HHA	194,200	56,900	1,435**	3	30 (763)	29,700	50,461	130 (40)	150 (46)
6	BEH2333*Y6HHA	248,600	72,900	1,742**	4	30 (763)	39,600	67,281	130 (40)	150 (46)
4	BEH0983*Y4HHA	99,800	29,200	1,498	3	30 (763)	23,800	40,436	110 (34)	130 (40)
4	BEH1163*Y4HHA	118,100	34,600	1,501	3	30 (763)	23,800	40,436	110 (34)	130 (40)
4	BEH1343*Y4HHA	136,500	40,000	1,644	3	30 (763)	28,600	48,592	110 (34)	130 (40)
4	BEH1583*Y4HHA	160,900	47,200	1,430**	3	30 (763)	30,600	51,990	130 (40)	150 (46)
4	BEH2053*Y4HHA	208,800	61,200	1,686**	4	30 (763)	40,800	69,320	130 (40)	150 (46)

Notes:

[1] = Capacities shown are Application Capacities reflecting nominal operation at 10°F TD. For models within the scope of the DOE AWEF (Annual Walk-in Energy Factor) standard, the Net Capacity is determined by the AHRI 1250 test method. DOE will publish this compliance data at www.regulations.doe.gov

* = Electrical Code Designator (see Nomenclature details)

** = Releasable charge is larger than Mmax. Ventilation is required.

Models Not Meeting DOE Minimum AWEF

A1 PERFORMANCE DATA

Hot Gas Defrost High CFM - 60 Hz

FPI	Model	Legacy Model	R-404A/R-507A Application Capacity[1] 10°F TD -20°F SST BTUH	R-404A/R-507A Application Capacity[1] 6°C TD -29°C SST Watts	R-448A/R-449A Application Capacity[1] 10°F TD -20°F SST BTUH	R-448A/R-449A Application Capacity[1] 6°C TD -29°C SST Watts	Fan Data No. of Fans	Fan Data Dia. in (mm)	Fan Data CFM	Fan Data m^3H	Air Throw Standard ft (m)	Air Throw w/Collar ft (m)
6	BEH0423*±6HHA	BHG450*V	49,500	14,500	53,900	15,800	2	24 (610)	11,300	19,199	85 (26)	100 (30)
6	BEH0513*±6HHA	BHG550*V	59,800	17,500	67,100	19,700	2	24 (610)	11,300	19,199	85 (26)	100 (30)
6	BEH0573*±6HHA	BHG640*V	69,000	20,200	75,900	22,200	3	24 (610)	15,900	27,014	85 (26)	100 (30)
6	BEH0713*±6HHA	BHG740*V	81,400	23,900	89,100	26,100	3	24 (610)	15,900	27,014	85 (26)	100 (30)
6	BEH0763*±6HHA	BHG810*V	89,100	26,100	97,900	28,700	4	24 (610)	21,200	36,019	85 (26)	100 (30)
6	BEH0963*±6HHA	BHG950*V	104,500	30,600	115,500	33,800	4	24 (610)	21,200	36,019	85 (26)	100 (30)
4	BEH0373*±4HHA	BHF400*V	42,000	12,300	45,150	13,200	2	24 (610)	12,200	20,728	85 (26)	100 (30)
4	BEH0473*±4HHA	BHF480*V	50,400	14,800	55,650	16,300	2	24 (610)	12,200	20,728	85 (26)	100 (30)
4	BEH0513*±4HHA	BHF560*V	58,800	17,200	63,000	18,500	3	24 (610)	17,000	28,883	85 (26)	100 (30)
4	BEH0653*±4HHA	BHF650*V	68,250	20,000	73,500	21,500	3	24 (610)	17,000	28,883	85 (26)	100 (30)
4	BEH0693*±4HHA	BHF710*V	74,550	21,800	80,850	23,700	4	24 (610)	22,600	38,398	85 (26)	100 (30)
4	BEH0883*±4HHA	BHF840*V	88,200	25,800	95,550	28,000	4	24 (610)	22,600	38,398	85 (26)	100 (30)
6	BEH1123*±6HHA	BHG1020*V	110,900	32,500	123,200	36,100	3	30 (763)	23,300	39,587	110 (34)	130 (40)
6	BEH1343*±6HHA	BHG1200*V	132,000	38,700	147,400	43,200	3	30 (763)	23,300	39,587	110 (34)	130 (40)
6	BEH1563*±6HHA	BHG1390*V	152,900	44,800	171,600	50,300	3	30 (763)	28,000	47,572	110 (34)	130 (40)
6	BEH1823*±6HHA	BHG1650*V	167,200	49,000	200,200	58,700	3	30 (763)	29,700	50,461	130 (40)	150 (46)
6	BEH2333*±6HHA	BHG2120*V	223,900	65,600	256,300	75,100	4	30 (763)	39,600	67,281	130 (40)	150 (46)
4	BEH0983*±4HHA	BHF890*V	93,450	27,400	102,900	30,200	3	30 (763)	23,800	40,436	110 (34)	130 (40)
4	BEH1163*±4HHA	BHF1050*V	110,250	32,300	121,800	35,700	3	30 (763)	23,800	40,436	110 (34)	130 (40)
4	BEH1343*±4HHA	BHF1220*V	128,100	37,500	140,700	41,200	3	30 (763)	28,600	48,592	110 (34)	130 (40)
4	BEH1583*±4HHA	BHF1440*V	148,200	43,400	165,900	48,600	3	30 (763)	30,600	51,990	130 (40)	150 (46)
4	BEH2053*±4HHA	BHF1860*V	195,300	57,200	215,250	63,100	4	30 (763)	40,800	69,320	130 (40)	150 (46)

Notes:

[1] = Capacities shown are Application Capacities reflecting nominal operation at 10°F TD. For models within the scope of the DOE AWEF (Annual Walk-in Energy Factor) standard, the Net Capacity is determined by the AHRI 1250 test method. DOE will publish this compliance data at www.regulations.doe.gov

* = Electrical Code Designator (see Nomenclature details)

± = Refrigerant designator Y or S (see Nomenclature details)

Models Not Meeting DOE Minimum AWEF

A1 PERFORMANCE DATA

Hot Gas Defrost High CFM - 60 Hz

FPI	Model	Legacy Model	R-407A/R-407F Application Capacity[1] 10°F TD -20°F SST BTUH	R-407A/R-407F Application Capacity[1] 6°C TD -29°C SST Watts	R-407C Application Capacity[1] 10°F TD -20°F SST BTUH	R-407C Application Capacity[1] 6°C TD -29°C SST Watts	Fan Data No. of Fans	Fan Data Dia. in (mm)	Fan Data CFM	Fan Data m^3H	Air Throw Standard ft (m)	Air Throw w/Collar ft (m)
6	BEH0423*±6HHA	BHG450*V	53,900	15,800	53,900	15,800	2	24 (610)	11,300	19,199	85 (26)	100 (30)
6	BEH0513*±6HHA	BHG550*V	67,100	19,700	67,100	19,700	2	24 (610)	11,300	19,199	85 (26)	100 (30)
6	BEH0573*±6HHA	BHG640*V	75,900	22,200	75,900	22,200	3	24 (610)	15,900	27,014	85 (26)	100 (30)
6	BEH0713*±6HHA	BHG740*V	89,100	26,100	89,100	26,100	3	24 (610)	15,900	27,014	85 (26)	100 (30)
6	BEH0763*±6HHA	BHG810*V	97,900	28,700	97,900	28,700	4	24 (610)	21,200	36,019	85 (26)	100 (30)
6	BEH0963*±6HHA	BHG950*V	115,500	33,800	115,500	33,800	4	24 (610)	21,200	36,019	85 (26)	100 (30)
4	BEH0373*±4HHA	BHF400*V	45,150	13,200	45,150	13,200	2	24 (610)	12,200	20,728	85 (26)	100 (30)
4	BEH0473*±4HHA	BHF480*V	55,650	16,300	55,650	16,300	2	24 (610)	12,200	20,728	85 (26)	100 (30)
4	BEH0513*±4HHA	BHF560*V	63,000	18,500	63,000	18,500	3	24 (610)	17,000	28,883	85 (26)	100 (30)
4	BEH0653*±4HHA	BHF650*V	73,500	21,500	73,500	21,500	3	24 (610)	17,000	28,883	85 (26)	100 (30)
4	BEH0693*±4HHA	BHF710*V	80,850	23,700	80,850	23,700	4	24 (610)	22,600	38,398	85 (26)	100 (30)
4	BEH0883*±4HHA	BHF840*V	95,550	28,000	95,550	28,000	4	24 (610)	22,600	38,398	85 (26)	100 (30)
6	BEH1123*±6HHA	BHG1020*V	123,200	36,100	123,200	36,100	3	30 (763)	23,300	39,587	110 (34)	130 (40)
6	BEH1343*±6HHA	BHG1200*V	147,400	43,200	147,400	43,200	3	30 (763)	23,300	39,587	110 (34)	130 (40)
6	BEH1563*±6HHA	BHG1390*V	171,600	50,300	171,600	50,300	3	30 (763)	28,000	47,572	110 (34)	130 (40)
6	BEH1823*±6HHA	BHG1650*V	200,200	58,700	200,200	58,700	3	30 (763)	29,700	50,461	130 (40)	150 (46)
6	BEH2333*±6HHA	BHG2120*V	256,300	75,100	256,300	75,100	4	30 (763)	39,600	67,281	130 (40)	150 (46)
4	BEH0983*±4HHA	BHF890*V	102,900	30,200	102,900	30,200	3	30 (763)	23,800	40,436	110 (34)	130 (40)
4	BEH1163*±4HHA	BHF1050*V	121,800	35,700	121,800	35,700	3	30 (763)	23,800	40,436	110 (34)	130 (40)
4	BEH1343*±4HHA	BHF1220*V	140,700	41,200	140,700	41,200	3	30 (763)	28,600	48,592	110 (34)	130 (40)
4	BEH1583*±4HHA	BHF1440*V	165,900	48,600	165,900	48,600	3	30 (763)	30,600	51,990	130 (40)	150 (46)
4	BEH2053*±4HHA	BHF1860*V	215,250	63,100	215,250	63,100	4	30 (763)	40,800	69,320	130 (40)	150 (46)

Notes:

[1] = Capacities shown are Application Capacities reflecting nominal operation at 10°F TD. For models within the scope of the DOE AWEF (Annual Walk-in Energy Factor) standard, the Net Capacity is determined by the AHRI 1250 test method. DOE will publish this compliance data at www.regulations.doe.gov

* = Electrical Code Designator (see Nomenclature details)

± = Refrigerant designator Y or S (see Nomenclature details)

Models Not Meeting DOE Minimum AWEF

SPECIFICATIONS

Hot Gas Defrost - 60 Hz

FPI	Model	Fan Diameter in (mm)	HP	2-Speed EC Motor								Drain Pan Heaters †		
				208-230/3/60				460/3/60				Watts	Total Amps	
				Amps	Watts	MCA	MOPD	Amps	Watts	MCA	MOPD		208-230/1/60	460/1/60
6	BEH0423*±6H^A	24 (610)	3/4	4.4	1119.0	5.0	15.0	2.2	1119.0	2.5	15.0	2,100.0	9.2	4.6
6	BEH0513*±6H^A	24 (610)	3/4	4.4	1119.0	5.0	15.0	2.2	1119.0	2.5	15.0	2,100.0	9.2	4.6
6	BEH0573*±6H^A	24 (610)	3/4	6.6	1678.5	7.2	15.0	3.3	1678.5	3.6	15.0	2,700.0	11.8	5.9
6	BEH0713*±6H^A	24 (610)	3/4	6.6	1678.5	7.2	15.0	3.3	1678.5	3.6	15.0	2,700.0	11.8	5.9
6	BEH0763*±6H^A	24 (610)	3/4	8.8	2238.0	9.4	15.0	4.4	2238.0	4.7	15.0	4,000.0	17.4	8.7
6	BEH0963*±6H^A	24 (610)	3/4	8.8	2238.0	9.4	15.0	4.4	2238.0	4.7	15.0	4,000.0	17.4	8.7
4	BEH0373*±4H^A	24 (610)	3/4	4.4	1119.0	5.0	15.0	2.2	1119.0	2.5	15.0	2,100.0	9.2	4.6
4	BEH0473*±4H^A	24 (610)	3/4	4.4	1119.0	5.0	15.0	2.2	1119.0	2.5	15.0	2,100.0	9.2	4.6
4	BEH0513*±4H^A	24 (610)	3/4	6.6	1678.5	7.2	15.0	3.3	1678.5	3.6	15.0	2,700.0	11.8	5.9
4	BEH0653*±4H^A	24 (610)	3/4	6.6	1678.5	7.2	15.0	3.3	1678.5	3.6	15.0	2,700.0	11.8	5.9
4	BEH0693*±4H^A	24 (610)	3/4	8.8	2238.0	9.4	15.0	4.4	2238.0	4.7	15.0	4,000.0	17.4	8.7
4	BEH0883*±4H^A	24 (610)	3/4	8.8	2238.0	9.4	15.0	4.4	2238.0	4.7	15.0	4,000.0	17.4	8.7
6	BEH1123*±6H^A	30 (763)	1-1/2	11.1	3356.0	12.0	20.0	5.7	3356.0	6.2	15.0	4,000.0	17.4	8.7
6	BEH1343*±6H^A	30 (763)	1-1/2	11.1	3356.0	12.0	20.0	5.7	3356.0	6.2	15.0	4,000.0	17.4	8.7
6	BEH1563*±6H^A	30 (763)	1-1/2	11.1	3356.0	12.0	20.0	5.7	3356.0	6.2	15.0	4,000.0	17.4	8.7
6	BEH1823*±6H^A	30 (763)	1-1/2	11.1	3356.0	12.0	20.0	5.7	3356.0	6.2	15.0	4,200.0	18.2	9.1
6	BEH2333*±6H^A	30 (763)	1-1/2	14.8	4474.0	15.7	25.0	7.6	4474.0	8.1	15.0	6,450.0	23.2**	14.0
4	BEH0983*±4H^A	30 (763)	1-1/2	11.1	3356.0	12.0	20.0	5.7	3356.0	6.2	15.0	4,000.0	17.4	8.7
4	BEH1163*±4H^A	30 (763)	1-1/2	11.1	3356.0	12.0	20.0	5.7	3356.0	6.2	15.0	4,000.0	17.4	8.7
4	BEH1343*±4H^A	30 (763)	1-1/2	11.1	3356.0	12.0	20.0	5.7	3356.0	6.2	15.0	4,000.0	17.4	8.7
4	BEH1583*±4H^A	30 (763)	1-1/2	11.1	3356.0	12.0	20.0	5.7	3356.0	6.2	15.0	4,200.0	18.2	9.1
4	BEH2053*±4H^A	30 (763)	1-1/2	14.8	4474.0	15.7	25.0	7.6	4474.0	8.1	15.0	6,450.0	23.2**	14.0

Notes:

* = Electrical Code Designator (see Nomenclature details)
^ = Motor Code Designator (see Nomenclature details)
** = This model with 3-Phase drain pan heaters
† = Hot gas drain pan available
± = Refrigerant designator Y or S (see Nomenclature details)

Models Not Meeting DOE Minimum AWEF

SPECIFICATIONS

Hot Gas Defrost - 60 Hz

FPI	Model	Fan Diameter in (mm)	HP	Variable Speed EC Motor								Drain Pan Heaters †		
				208-230/3/60				460/3/60				Watts	Total Amps	
				Amps	Watts	MCA	MOPD	Amps	Watts	MCA	MOPD		208-230/1/60	460/1/60
6	BEH0423*±6H^A	24 (610)	3/4	4.4	1119.0	5.0	15.0	2.2	1119.0	2.5	15.0	2,100.0	9.2	4.6
6	BEH0513*±6H^A	24 (610)	3/4	4.4	1119.0	5.0	15.0	2.2	1119.0	2.5	15.0	2,100.0	9.2	4.6
6	BEH0573*±6H^A	24 (610)	3/4	6.6	1678.5	7.2	15.0	3.3	1678.5	3.6	15.0	2,700.0	11.8	5.9
6	BEH0713*±6H^A	24 (610)	3/4	6.6	1678.5	7.2	15.0	3.3	1678.5	3.6	15.0	2,700.0	11.8	5.9
6	BEH0763*±6H^A	24 (610)	3/4	8.8	2238.0	9.4	15.0	4.4	2238.0	4.7	15.0	4,000.0	17.4	8.7
6	BEH0963*±6H^A	24 (610)	3/4	8.8	2238.0	9.4	15.0	4.4	2238.0	4.7	15.0	4,000.0	17.4	8.7
4	BEH0373*±4H^A	24 (610)	3/4	4.4	1119.0	5.0	15.0	2.2	1119.0	2.5	15.0	2,100.0	9.2	4.6
4	BEH0473*±4H^A	24 (610)	3/4	4.4	1119.0	5.0	15.0	2.2	1119.0	2.5	15.0	2,100.0	9.2	4.6
4	BEH0513*±4H^A	24 (610)	3/4	6.6	1678.5	7.2	15.0	3.3	1678.5	3.6	15.0	2,700.0	11.8	5.9
4	BEH0653*±4H^A	24 (610)	3/4	6.6	1678.5	7.2	15.0	3.3	1678.5	3.6	15.0	2,700.0	11.8	5.9
4	BEH0693*±4H^A	24 (610)	3/4	8.8	2238.0	9.4	15.0	4.4	2238.0	4.7	15.0	4,000.0	17.4	8.7
4	BEH0883*±4H^A	24 (610)	3/4	8.8	2238.0	9.4	15.0	4.4	2238.0	4.7	15.0	4,000.0	17.4	8.7
6	BEH1123*±6H^A	30 (763)	1-1/2	11.1	3356.0	12.0	20.0	5.7	3356.0	6.2	15.0	4,000.0	17.4	8.7
6	BEH1343*±6H^A	30 (763)	1-1/2	11.1	3356.0	12.0	20.0	5.7	3356.0	6.2	15.0	4,000.0	17.4	8.7
6	BEH1563*±6H^A	30 (763)	1-1/2	11.1	3356.0	12.0	20.0	5.7	3356.0	6.2	15.0	4,000.0	17.4	8.7
6	BEH1823*±6H^A	30 (763)	1-1/2	11.1	3356.0	12.0	20.0	5.7	3356.0	6.2	15.0	4,200.0	18.2	9.1
6	BEH2333*±6H^A	30 (763)	1-1/2	14.8	4474.0	15.7	25.0	7.6	4474.0	8.1	15.0	6,450.0	23.2**	14.0
4	BEH0983*±4H^A	30 (763)	1-1/2	11.1	3356.0	12.0	20.0	5.7	3356.0	6.2	15.0	4,000.0	17.4	8.7
4	BEH1163*±4H^A	30 (763)	1-1/2	11.1	3356.0	12.0	20.0	5.7	3356.0	6.2	15.0	4,000.0	17.4	8.7
4	BEH1343*±4H^A	30 (763)	1-1/2	11.1	3356.0	12.0	20.0	5.7	3356.0	6.2	15.0	4,000.0	17.4	8.7
4	BEH1583*±4H^A	30 (763)	1-1/2	11.1	3356.0	12.0	20.0	5.7	3356.0	6.2	15.0	4,200.0	18.2	9.1
4	BEH2053*±4H^A	30 (763)	1-1/2	14.8	4474.0	15.7	25.0	7.6	4474.0	8.1	15.0	6,450.0	23.2**	14.0

Notes:

* = Electrical Code Designator (see Nomenclature details)
^ = Motor Code Designator (see Nomenclature details)
** = This model with 3-Phase drain pan heaters
† = Hot gas drain pan available
± = Refrigerant designator Y or S (see Nomenclature details)

Models Not Meeting DOE Minimum AWEF

SPECIFICATIONS

Hot Gas Defrost - 60 Hz

FPI	Model	Fan Diameter in (mm)	HP	3 Phase AC Open Drip Proof Rail Mount								Drain Pan Heaters †		
				208-230/3/60				460/3/60				Watts	Total Amps	
				Amps	Watts	MCA	MOPD	Amps	Watts	MCA	MOPD		208-230/1/60	460/1/60
6	BEH0423*±6H^A	24 (610)	3/4	8.0	1119.0	9.0	20.0	4.0	1119.0	4.5	15.0	2,100.0	9.2	4.6
6	BEH0513*±6H^A	24 (610)	3/4	8.0	1119.0	9.0	20.0	4.0	1119.0	4.5	15.0	2,100.0	9.2	4.6
6	BEH0573*±6H^A	24 (610)	3/4	12.0	1678.5	13.0	25.0	6.0	1678.5	6.5	15.0	2,700.0	11.8	5.9
6	BEH0713*±6H^A	24 (610)	3/4	12.0	1678.5	13.0	25.0	6.0	1678.5	6.5	15.0	2,700.0	11.8	5.9
6	BEH0763*±6H^A	24 (610)	3/4	16.0	2238.0	17.0	30.0	8.0	2238.0	8.5	15.0	4,000.0	17.4	8.7
6	BEH0963*±6H^A	24 (610)	3/4	16.0	2238.0	17.0	30.0	8.0	2238.0	8.5	15.0	4,000.0	17.4	8.7
4	BEH0373*±4H^A	24 (610)	3/4	8.0	1119.0	9.0	20.0	4.0	1119.0	4.5	15.0	2,100.0	9.2	4.6
4	BEH0473*±4H^A	24 (610)	3/4	8.0	1119.0	9.0	20.0	4.0	1119.0	4.5	15.0	2,100.0	9.2	4.6
4	BEH0513*±4H^A	24 (610)	3/4	12.0	1678.5	13.0	25.0	6.0	1678.5	6.5	15.0	2,700.0	11.8	5.9
4	BEH0653*±4H^A	24 (610)	3/4	12.0	1678.5	13.0	25.0	6.0	1678.5	6.5	15.0	2,700.0	11.8	5.9
4	BEH0693*±4H^A	24 (610)	3/4	16.0	2238.0	17.0	30.0	8.0	2238.0	8.5	15.0	4,000.0	17.4	8.7
4	BEH0883*±4H^A	24 (610)	3/4	16.0	2238.0	17.0	30.0	8.0	2238.0	8.5	15.0	4,000.0	17.4	8.7
6	BEH1123*±6H^A	30 (763)	1	13.8	2237.0	15.0	25.0	6.9	2237.0	7.5	15.0	4,000.0	17.4	8.7
6	BEH1343*±6H^A	30 (763)	1	13.8	2237.0	15.0	25.0	6.9	2237.0	7.5	15.0	4,000.0	17.4	8.7
6	BEH1563*±6H^A	30 (763)	1-1/2	19.8	3356.0	21.5	40.0	9.9	3356.0	10.7	20.0	4,000.0	17.4	8.7
6	BEH1823*±6H^A	30 (763)	1-1/2	21.0	3356.0	22.8	40.0	10.5	3356.0	11.4	20.0	4,200.0	18.2	9.1
6	BEH2333*±6H^A	30 (763)	1-1/2	28.0	4474.0	29.8	45.0	14.0	4474.0	14.9	25.0	6,450.0	23.2**	14.0
4	BEH0983*±4H^A	30 (763)	1	13.8	2237.0	15.0	25.0	6.9	2237.0	7.5	15.0	4,000.0	17.4	8.7
4	BEH1163*±4H^A	30 (763)	1	13.8	2237.0	15.0	25.0	6.9	2237.0	7.5	15.0	4,000.0	17.4	8.7
4	BEH1343*±4H^A	30 (763)	1-1/2	19.8	3356.0	21.5	40.0	9.9	3356.0	10.7	20.0	4,000.0	17.4	8.7
4	BEH1583*±4H^A	30 (763)	1-1/2	21.0	3356.0	22.8	40.0	10.5	3356.0	11.4	20.0	4,200.0	18.2	9.1
4	BEH2053*±4H^A	30 (763)	1-1/2	28.0	4474.0	29.8	45.0	14.0	4474.0	14.9	25.0	6,450.0	23.2**	14.0

Notes:

* = Electrical Code Designator (see Nomenclature details)

^ = Motor Code Designator (see Nomenclature details)

** = This model with 3-Phase drain pan heaters

† = Hot gas drain pan available

± = Refrigerant designator Y or S (see Nomenclature details)

Models Not Meeting DOE Minimum AWEF

SPECIFICATIONS

Hot Gas Defrost - 60 Hz

FPI	Model	Fan Diameter in (mm)	HP	3 Phase AC Totally Enclosed Rail Mount								Drain Pan Heaters †		
				208-230/3/60				460/3/60				Watts	Total Amps	
				Amps	Watts	MCA	MOPD	Amps	Watts	MCA	MOPD		208-230/1/60	460/1/60
6	BEH0423*±6H^A	24 (610)	1	6.0	1492.0	6.8	20.0	3.0	1492.0	3.4	15.0	2,100.0	9.2	4.6
6	BEH0513*±6H^A	24 (610)	1	6.0	1492.0	6.8	20.0	3.0	1492.0	3.4	15.0	2,100.0	9.2	4.6
6	BEH0573*±6H^A	24 (610)	1	9.0	2238.0	9.8	20.0	4.5	2238.0	4.9	15.0	2,700.0	11.8	5.9
6	BEH0713*±6H^A	24 (610)	1	9.0	2238.0	9.8	20.0	4.5	2238.0	4.9	15.0	2,700.0	11.8	5.9
6	BEH0763*±6H^A	24 (610)	1	12.0	2984.0	12.8	20.0	6.0	2984.0	6.4	15.0	4,000.0	17.4	8.7
6	BEH0963*±6H^A	24 (610)	1	12.0	2984.0	12.8	20.0	6.0	2984.0	6.4	15.0	4,000.0	17.4	8.7
4	BEH0373*±4H^A	24 (610)	1	6.0	1492.0	6.8	20.0	3.0	1492.0	3.4	15.0	2,100.0	9.2	4.6
4	BEH0473*±4H^A	24 (610)	1	6.0	1492.0	6.8	20.0	3.0	1492.0	3.4	15.0	2,100.0	9.2	4.6
4	BEH0513*±4H^A	24 (610)	1	9.0	2238.0	9.8	20.0	4.5	2238.0	4.9	15.0	2,700.0	11.8	5.9
4	BEH0653*±4H^A	24 (610)	1	9.0	2238.0	9.8	20.0	4.5	2238.0	4.9	15.0	2,700.0	11.8	5.9
4	BEH0693*±4H^A	24 (610)	1	12.0	2984.0	12.8	20.0	6.0	2984.0	6.4	15.0	4,000.0	17.4	8.7
4	BEH0883*±4H^A	24 (610)	1	12.0	2984.0	12.8	20.0	6.0	2984.0	6.4	15.0	4,000.0	17.4	8.7
6	BEH1123*±6H^A	30 (763)	1-1/2	19.8	3356.0	21.5	40.0	9.9	3356.0	10.7	20.0	4,000.0	17.4	8.7
6	BEH1343*±6H^A	30 (763)	1-1/2	19.8	3356.0	21.5	40.0	9.9	3356.0	10.7	20.0	4,000.0	17.4	8.7
6	BEH1563*±6H^A	30 (763)	1-1/2	19.8	3356.0	21.5	40.0	9.9	3356.0	10.7	20.0	4,000.0	17.4	8.7
6	BEH1823*±6H^A	30 (763)	1-1/2	19.8	3356.0	21.5	40.0	9.9	3356.0	10.7	20.0	4,200.0	18.2	9.1
6	BEH2333*±6H^A	30 (763)	1-1/2	26.4	4474.0	28.1	45.0	13.2	4474.0	14.0	20.0	6,450.0	23.2**	14.0
4	BEH0983*±4H^A	30 (763)	1-1/2	19.8	3356.0	21.5	40.0	9.9	3356.0	10.7	20.0	4,000.0	17.4	8.7
4	BEH1163*±4H^A	30 (763)	1-1/2	19.8	3356.0	21.5	40.0	9.9	3356.0	10.7	20.0	4,000.0	17.4	8.7
4	BEH1343*±4H^A	30 (763)	1-1/2	19.8	3356.0	21.5	40.0	9.9	3356.0	10.7	20.0	4,000.0	17.4	8.7
4	BEH1583*±4H^A	30 (763)	1-1/2	19.8	3356.0	21.5	40.0	9.9	3356.0	10.7	20.0	4,200.0	18.2	9.1
4	BEH2053*±4H^A	30 (763)	1-1/2	26.4	4474.0	28.1	45.0	13.2	4474.0	14.0	20.0	6,450.0	23.2**	14.0

Notes:
* = Electrical Code Designator (see Nomenclature details)
^ = Motor Code Designator (see Nomenclature details)
** = This model with 3-Phase drain pan heaters
† = Hot gas drain pan available
± = Refrigerant designator Y or S (see Nomenclature details)

Models Not Meeting DOE Minimum AWEF

SPECIFICATIONS

Hot Gas Defrost - 60 Hz

FPI	Model	Fan Diameter in (mm)	HP	3 Phase AC Totally Enclosed Rail Mount 575/3/60 Amps	Watts	MCA	MOPD	Drain Pan Heaters † Watts	Total Amps 575/1/60
6	BEH0423*±6H^A	24 (610)	1/2	1.8	746.0	2.0	15.0	2,100.0	3.7
6	BEH0513*±6H^A	24 (610)	1/2	1.8	746.0	2.0	15.0	2,100.0	3.7
6	BEH0573*±6H^A	24 (610)	1/2	2.7	1119.0	2.9	15.0	2,700.0	4.7
6	BEH0713*±6H^A	24 (610)	1/2	2.7	1119.0	2.9	15.0	2,700.0	4.7
6	BEH0763*±6H^A	24 (610)	1/2	3.6	1492.0	3.8	15.0	4,000.0	6.9
6	BEH0963*±6H^A	24 (610)	1/2	3.6	1492.0	3.8	15.0	4,000.0	6.9
4	BEH0373*±4H^A	24 (610)	1/2	1.8	746.0	2.0	15.0	2,100.0	3.7
4	BEH0473*±4H^A	24 (610)	1/2	1.8	746.0	2.0	15.0	2,100.0	3.7
4	BEH0513*±4H^A	24 (610)	1/2	2.7	1119.0	2.9	15.0	2,700.0	4.7
4	BEH0653*±4H^A	24 (610)	1/2	2.7	1119.0	2.9	15.0	2,700.0	4.7
4	BEH0693*±4H^A	24 (610)	1/2	3.6	1492.0	3.8	15.0	4,000.0	6.9
4	BEH0883*±4H^A	24 (610)	1/2	3.6	1492.0	3.8	15.0	4,000.0	6.9
6	BEH1823*±6H^A	30 (763)	1-1/2	7.8	2237.0	8.5	15.0	4,200.0	7.3
6	BEH2333*±6H^A	30 (763)	1-1/2	11.2	4474.0	11.9	20.0	6,450.0	11.2
4	BEH1583*±4H^A	30 (763)	1-1/2	7.8	2237.0	8.5	15.0	4,200.0	7.3
4	BEH2053*±4H^A	30 (763)	1-1/2	11.2	4474.0	11.9	20.0	6,450.0	11.2

FPI	Model	Fan Diameter in (mm)	HP	3 Phase AC Open Drip Proof Rail Mount 575/3/60 Amps	Watts	MCA	MOPD	Drain Pan Heaters † Watts	Total Amps 575/1/60
6	BEH1123*±6H^A	30 (763)	1-1/2	7.8	2237.0	8.5	15.0	4,000.0	6.9
6	BEH1343*±6H^A	30 (763)	1-1/2	7.8	2237.0	8.5	15.0	4,000.0	6.9
6	BEH1563*±6H^A	30 (763)	1-1/2	7.8	2237.0	8.5	15.0	4,000.0	6.9
4	BEH0983*±4H^A	30 (763)	1-1/2	7.8	2237.0	8.5	15.0	4,000.0	6.9
4	BEH1163*±4H^A	30 (763)	1-1/2	7.8	2237.0	8.5	15.0	4,000.0	6.9
4	BEH1343*±4H^A	30 (763)	1-1/2	7.8	2237.0	8.5	15.0	4,000.0	6.9

Notes:
* = Electrical Code Designator (see Nomenclature details)
^ = Motor Code Designator (see Nomenclature details)
† = Hot gas drain pan available
± = Refrigerant designator Y or S (see Nomenclature details)

Models Not Meeting DOE Minimum AWEF

SPECIFICATIONS

Hot Gas Defrost - 60 Hz

FPI	Model	Fan Diameter in (mm)	HP	PSC Open Drip Proof Rail Mount								Drain Pan Heaters†		
				208-230/1/60				460/1/60				Watts	Total Amps	
				Amps	Watts	MCA	MOPD	Amps	Watts	MCA	MOPD		208-230/1/60	460/1/60
6	BEH0423*±6H^A	24 (610)	1/2	6.4	746.0	7.2	20.0	3.4	746.0	3.8	15.0	2,100.0	9.2	4.6
6	BEH0513*±6H^A	24 (610)	1/2	6.4	746.0	7.2	20.0	3.4	746.0	3.8	15.0	2,100.0	9.2	4.6
6	BEH0573*±6H^A	24 (610)	1/2	9.6	1119.0	10.4	20.0	5.1	1119.0	5.5	15.0	2,700.0	11.8	5.9
6	BEH0713*±6H^A	24 (610)	1/2	9.6	1119.0	10.4	20.0	5.1	1119.0	5.5	15.0	2,700.0	11.8	5.9
6	BEH0763*±6H^A	24 (610)	1/2	12.8	1492.0	13.6	20.0	6.8	1492.0	7.2	15.0	4,000.0	17.4	8.7
6	BEH0963*±6H^A	24 (610)	1/2	12.8	1492.0	13.6	20.0	6.8	1492.0	7.2	15.0	4,000.0	17.4	8.7
4	BEH0373*±4H^A	24 (610)	1/2	6.4	746.0	7.2	20.0	3.4	746.0	3.8	15.0	2,100.0	9.2	4.6
4	BEH0473*±4H^A	24 (610)	1/2	6.4	746.0	7.2	20.0	3.4	746.0	3.8	15.0	2,100.0	9.2	4.6
4	BEH0513*±4H^A	24 (610)	1/2	9.6	1119.0	10.4	20.0	5.1	1119.0	5.5	15.0	2,700.0	11.8	5.9
4	BEH0653*±4H^A	24 (610)	1/2	9.6	1119.0	10.4	20.0	5.1	1119.0	5.5	15.0	2,700.0	11.8	5.9
4	BEH0693*±4H^A	24 (610)	1/2	12.8	1492.0	13.6	20.0	6.8	1492.0	7.2	15.0	4,000.0	17.4	8.7
4	BEH0883*±4H^A	24 (610)	1/2	12.8	1492.0	13.6	20.0	6.8	1492.0	7.2	15.0	4,000.0	17.4	8.7

Notes:
* = Electrical Code Designator (see Nomenclature details)
^ = Motor Code Designator (see Nomenclature details)
** = This model with 3-Phase drain pan heaters
† = Hot gas drain pan available
± = Refrigerant designator Y or S (see Nomenclature details)

Models Not Meeting DOE Minimum AWEF

SPECIFICATIONS

Hot Gas Defrost High CFM - 60 Hz

FPI	Model	Fan Diameter in (mm)	HP	High CFM Rail Mount								Drain Pan Heaters †		
				208-230/3/60				460/3/60				Watts	Total Amps	
				Amps	Watts	MCA	MOPD	Amps	Watts	MCA	MOPD		208-230/1/60	460/1/60
6	BEH0423*±6H^A	24 (610)	2	12.0	2984.0	13.5	30.0	6.0	2984.0	6.80	15.0	2,100.0	9.2	4.6
6	BEH0513*±6H^A	24 (610)	2	12.0	2984.0	13.5	30.0	6.0	2984.0	6.80	15.0	2,100.0	9.2	4.6
6	BEH0573*±6H^A	24 (610)	2	18.0	4476.0	19.5	35.0	9.0	4476.0	9.80	15.0	2,700.0	11.8	5.9
6	BEH0713*±6H^A	24 (610)	2	18.0	4476.0	19.5	35.0	9.0	4476.0	9.80	15.0	2,700.0	11.8	5.9
6	BEH0763*±6H^A	24 (610)	2	24.0	5968.0	25.5	40.0	12.0	5968.0	12.80	20.0	4,000.0	17.4	8.7
6	BEH0963*±6H^A	24 (610)	2	24.0	5968.0	25.5	40.0	12.0	5968.0	12.80	20.0	4,000.0	17.4	8.7
4	BEH0373*±4H^A	24 (610)	2	12.0	2984.0	13.5	30.0	6.0	2984.0	6.80	15.0	2,100.0	9.2	4.6
4	BEH0473*±4H^A	24 (610)	2	12.0	2984.0	13.5	30.0	6.0	2984.0	6.80	15.0	2,100.0	9.2	4.6
4	BEH0513*±4H^A	24 (610)	2	18.0	4476.0	19.5	35.0	9.0	4476.0	9.80	15.0	2,700.0	11.8	5.9
4	BEH0653*±4H^A	24 (610)	2	18.0	4476.0	19.5	35.0	9.0	4476.0	9.80	15.0	2,700.0	11.8	5.9
4	BEH0693*±4H^A	24 (610)	2	24.0	5968.0	25.5	40.0	12.0	5968.0	12.80	20.0	4,000.0	17.4	8.7
4	BEH0883*±4H^A	24 (610)	2	24.0	5968.0	25.5	40.0	12.0	5968.0	12.80	20.0	4,000.0	17.4	8.7
6	BEH1123*±6H^A	30 (763)	3	24.6	6711.0	26.7	45.0	12.3	6711.0	13.30	25.0	4,000.0	17.4	8.7
6	BEH1343*±6H^A	30 (763)	3	24.6	6711.0	26.7	45.0	12.3	6711.0	13.30	25.0	4,000.0	17.4	8.7
6	BEH1563*±6H^A	30 (763)	3	24.6	6711.0	26.7	45.0	12.3	6711.0	13.30	25.0	4,000.0	17.4	8.7
6	BEH1823*±6H^A	30 (763)	3	24.6	6711.0	26.7	45.0	12.3	6711.0	13.30	25.0	4,200.0	18.2	9.1
6	BEH2333*±6H^A	30 (763)	3	32.8	8948.0	34.9	55.0	16.4	8948.0	17.40	25.0	6,450.0	23.2**	14.0
4	BEH0983*±4H^A	30 (763)	3	24.6	6711.0	26.7	45.0	12.3	6711.0	13.30	25.0	4,000.0	17.4	8.7
4	BEH1163*±4H^A	30 (763)	3	24.6	6711.0	26.7	45.0	12.3	6711.0	13.30	25.0	4,000.0	17.4	8.7
4	BEH1343*±4H^A	30 (763)	3	24.6	6711.0	26.7	45.0	12.3	6711.0	13.30	25.0	4,000.0	17.4	8.7
4	BEH1583*±4H^A	30 (763)	3	24.6	6711.0	26.7	45.0	12.3	6711.0	13.30	25.0	4,200.0	18.2	9.1
4	BEH2053*±4H^A	30 (763)	3	32.8	8948.0	34.9	55.0	16.4	8948.0	17.40	25.0	6,450.0	23.2**	14.0

Notes:

* = Electrical Code Designator (see Nomenclature details)
^ = Motor Code Designator (see Nomenclature details)
** = This model with 3-Phase drain pan heaters
† = Hot gas drain pan available
TD = Temperature Difference = (Room temperature - saturated suction temperature)
High CFM models can handle external static pressure up to 1/2" of water
High CFM models are designed for operation below 15°F SST
CFM is at 0.0 external static pressure
± = Refrigerant designator Y or S (see Nomenclature details)

PHYSICAL DATA

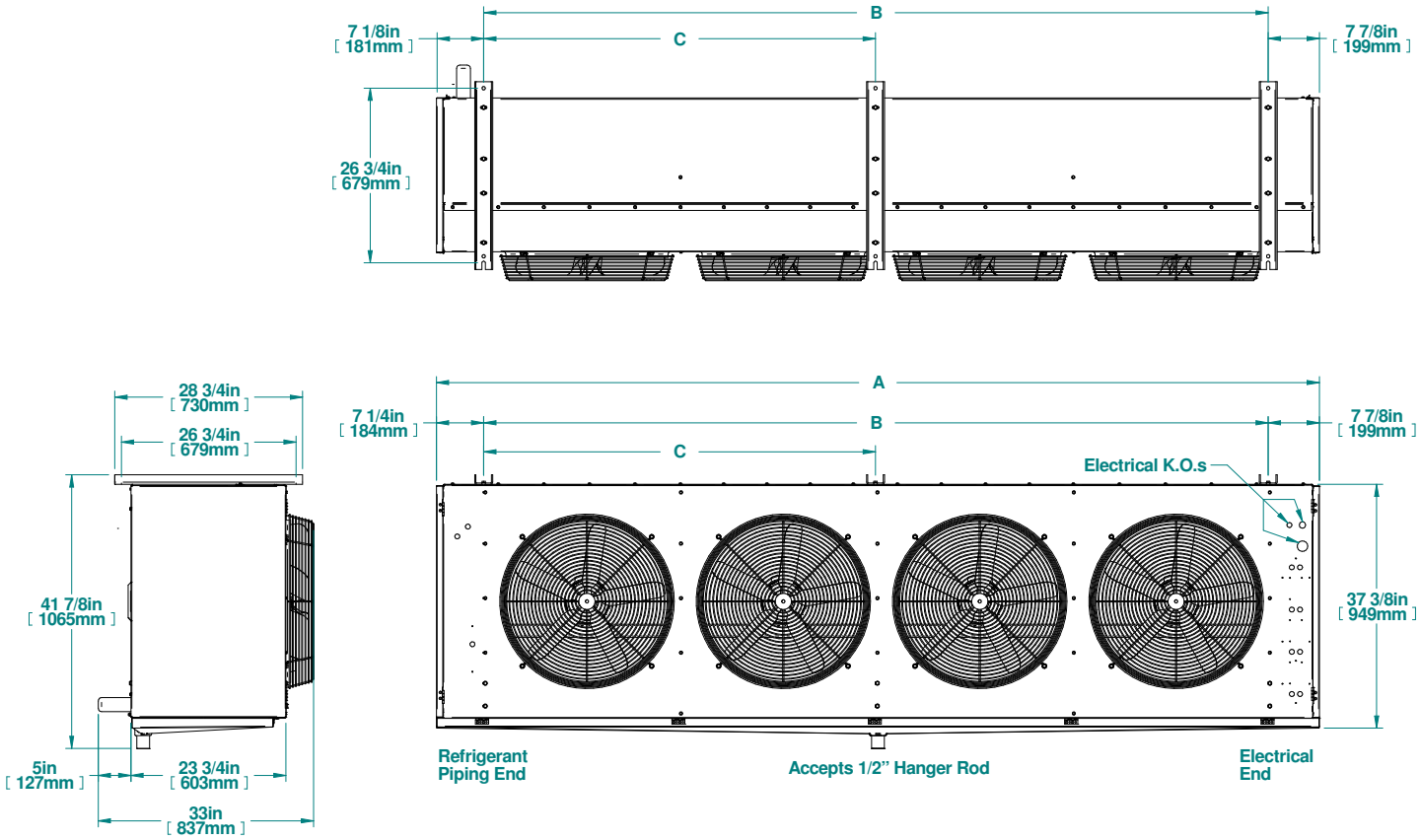
Hot Gas Defrost

FPI	Model	No. of Fans	Fan Diameter in (mm)	Connections (in) Liquid ODF	Suction ODF	Drain FPT	Hot Gas Drain Pain Ref. Conn. (when supplied)	Approx. Net Wt. lbs	kg
6	BEH0540*±6H^A	2	24 (610)	5/8	1-5/8	1-1/4	1-1/8	433	196
6	BEH0630*±6H^A	2	24 (610)	5/8	1-5/8	1-1/4	1-1/8	445	202
6	BEH0805*±6H^A	3	24 (610)	5/8	2-1/8	1-1/4	1-1/8	583	264
6	BEH0925*±6H^A	3	24 (610)	5/8	2-1/8	1-1/4	1-1/8	595	270
6	BEH1125*±6H^A	4	24 (610)	5/8	2-1/8	1-1/4	1-1/8	732	332
6	BEH1210*±6H^A	4	24 (610)	5/8	2-1/8	1-1/4	1-1/8	744	337
6	BEH0423*±6H^A	2	24 (610)	5/8	1-5/8	1-1/4	1-1/8	434	197
6	BEH0513*±6H^A	2	24 (610)	5/8	1-5/8	1-1/4	1-1/8	454	206
6	BEH0573*±6H^A	3	24 (610)	5/8	2-1/8	1-1/4	1-1/8	566	257
6	BEH0713*±6H^A	3	24 (610)	5/8	2-1/8	1-1/4	1-1/8	586	266
6	BEH0763*±6H^A	4	24 (610)	5/8	2-1/8	1-1/4	1-1/8	707	321
6	BEH0963*±6H^A	4	24 (610)	5/8	2-1/8	1-1/4	1-1/8	727	330
6	BEH1123*±6H^A	3	30 (763)	5/8	2-1/8	1-1/4	1-3/8	753	342
6	BEH1343*±6H^A	3	30 (763)	7/8	2-1/8	1-1/4	1-3/8	815	370
6	BEH1563*±6H^A	3	30 (763)	7/8	2-1/8	1-1/4	1-3/8	865	392
6	BEH1823*±6H^A	3	30 (763)	1-1/8	2-5/8	1-1/4	1-5/8**	1,175	533
6	BEH2333*±6H^A	4	30 (763)	1-1/8	2-5/8	1-1/4	1-5/8**	1,620	735
4	BEH0480*±4H^A	2	24 (610)	5/8	1-5/8	1-1/4	1-1/8	437	198
4	BEH0565*±4H^A	2	24 (610)	5/8	1-5/8	1-1/4	1-1/8	449	204
4	BEH0730*±4H^A	3	24 (610)	5/8	2-1/8	1-1/4	1-1/8	587	266
4	BEH0845*±4H^A	3	24 (610)	5/8	2-1/8	1-1/4	1-1/8	599	272
4	BEH1010*±4H^A	4	24 (610)	5/8	2-1/8	1-1/4	1-1/8	736	334
4	BEH1085*±4H^A	4	24 (610)	5/8	2-1/8	1-1/4	1-1/8	750	340
4	BEH0373*±4H^A	2	24 (610)	5/8	1-5/8	1-1/4	1-1/8	438	199
4	BEH0473*±4H^A	2	24 (610)	5/8	1-5/8	1-1/4	1-1/8	458	208
4	BEH0513*±4H^A	3	24 (610)	5/8	2-1/8	1-1/4	1-1/8	454	206
4	BEH0653*±4H^A	3	24 (610)	5/8	2-1/8	1-1/4	1-1/8	590	268
4	BEH0693*±4H^A	4	24 (610)	5/8	2-1/8	1-1/4	1-1/8	711	323
4	BEH0883*±4H^A	4	24 (610)	5/8	2-1/8	1-1/4	1-1/8	731	332
4	BEH0983*±4H^A	3	30 (763)	5/8	2-1/8	1-1/4	1-3/8	744	337
4	BEH1163*±4H^A	3	30 (763)	7/8	2-1/8	1-1/4	1-3/8	805	365
4	BEH1343*±4H^A	3	30 (763)	7/8	2-1/8	1-1/4	1-3/8	854	387
4	BEH1583*±4H^A	3	30 (763)	1-1/8	2-5/8	1-1/4	1-5/8**	1,160	526
4	BEH2053*±4H^A	4	30 (763)	1-1/8	2-5/8	1-1/4	1-5/8**	1,600	726

Notes:
* = Electrical Code Designator (see Nomenclature details)
^ = Motor Code Designator (see Nomenclature details)
** = Opposite end connections
± = Refrigerant designator Y or S (see Nomenclature details)

DIMENSIONAL DRAWINGS

Diagram 1: 24” Fan Models

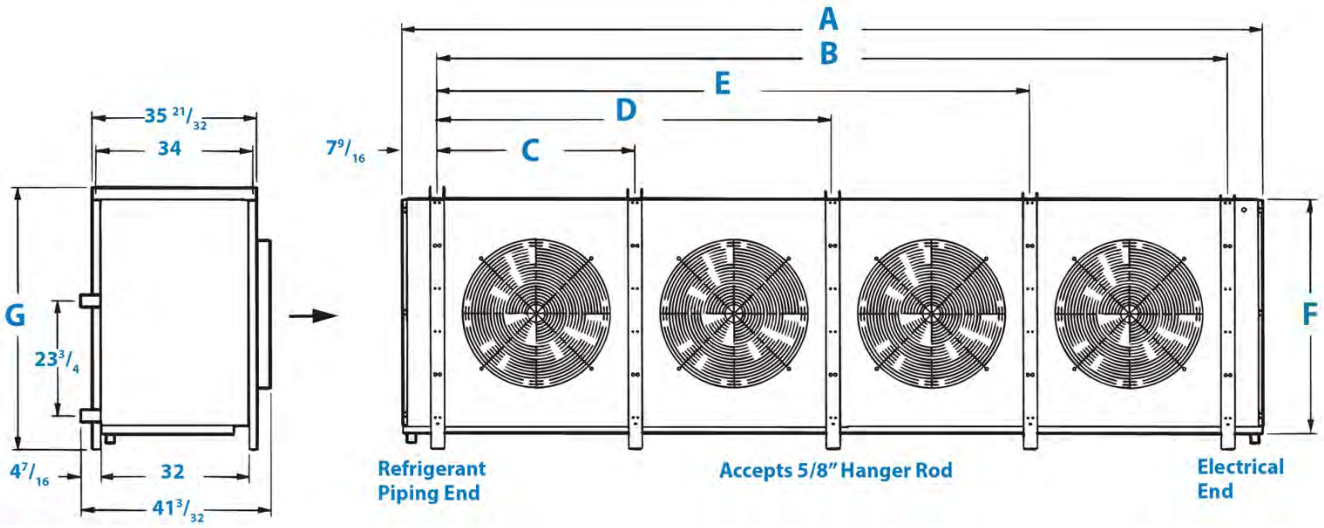


Dimensional Data For 24” Fan Models

# of Fans	A		B		C	
	in.	mm	in.	mm	in.	mm
2 fan	83-3/32	2,111	68-1/8	1,730	-	-
3 fan	105-5/32	2,671	90-3/16	2,291	45-3/32	1,145
4 fan	135-7/32	3,435	120-1/4	3,054	60-1/8	1,527

DIMENSIONAL DRAWINGS

Diagram 2: 30” Fan Models”



Dimensional Data For 30” Fan Models

Hot Gas		Dimensions													
6FPI	4FPI	A		B		C		D		E		F		G	
		in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
1123	0983	135-13/32	3,439	120-9/32	3,055	40-3/32	1,018	80-3/16	2,037	-	-	44-1/2	1130	50-5/16	1,278
1340, 1343	1163	135-13/32	3,439	120-9/32	3,055	40-3/32	1,018	80-3/16	2,037	-	-	44-1/2	1130	50-5/16	1,278
1560, 1563	1343	135-13/32	3,439	120-9/32	3,055	40-3/32	1,018	80-3/16	2,037	-	-	50-7/32	1276	55-13/16	1,418
1820, 1823	1583	142-1/2	3,620	127-25/32	3,246	42-19/32	1,082	85-3/16	2,164	-	-	50-7/32	1276	55-13/16	1,418
2330, 2333	2053	185-1/2	4,712	170-3/8	4,328	42-19/32	1,082	85-3/16	2,164	127-25/32	3,246	50-7/32	1276	56-1/4	1,429

Hot Gas Defrost Models Air Throw

Hot Gas		Std Motor RPM	Std HP	Air Throw	Air Throw w/Collar	Options High CFM	Optional HP	Air Throw	Air Throw w/Collar
6FPI	4FPI								
0540-1210	0480-1085	850	3/4	65	80	N/A	N/A	N/A	N/A
0423-0963	0373-0883	850	1/2*	70	85	1,750	2	80	100
1123-1563	0983-1343	850	1 & 1-1/2	100	120	1,750	3	115	145
1820-2333	1583-2053	1,140	37,257	120	145	1,750	3	130	150

Notes:
* = 3-Phase Motors are 1140 RPM
Air throw data based on 30 ft. ceiling height with no obstructions where velocity drops to 50 fpm

DOE Rated AWEF

AWEF DATA

Hot Gas Defrost - Medium Temperature

Rating Conditions/ DOE mandated, test conditions per AHRI 1250
Testing conditions: COOLER: 10°F TD, 25°F SST, <50% RH/ FREEZER: 10°F TD, -20°F SST, <50% RH

FPI	Model	Fan Diameter	Cooler						
			R-404A/ R-507A	R-448A/ R-449A	R-407A/ R-407F	R-407C	R-455A	R-454C	R-454A
		in (mm)	AWEF	AWEF	AWEF	AWEF	AWEF	AWEF	AWEF
6	BEH0540*±6HMA	24 (610)	-	-	-	-	-	-	-
6	BEH0630*±6HMA	24 (610)	-	9.00	9.00	-	9.00	-	9.00
6	BEH0805*±6HMA	24 (610)	-	-	-	-	-	-	-
6	BEH0925*±6HMA	24 (610)	-	9.00	9.00	-	9.00	-	9.00
6	BEH1125*±6HMA	24 (610)	-	-	-	-	-	-	-
6	BEH1210*±6HMA	24 (610)	-	9.00	9.00	-	9.00	-	9.00
4	BEH0480*±4HMA	24 (610)	-	-	-	-	-	-	-
4	BEH0565*±4HMA	24 (610)	-	-	-	-	-	-	-
4	BEH0730*±4HMA	24 (610)	-	-	-	-	-	-	-
4	BEH0845*±4HMA	24 (610)	-	9.00	9.00	-	9.00	-	9.00
4	BEH1010*±4HMA	24 (610)	-	-	-	-	-	-	-
4	BEH1085*±4HMA	24 (610)	-	-	-	-	-	-	-
6	BEH1470*±6AMA	30 (763)	9.00	9.00	9.00	9.00	9.00	9.00	9.00
6	BEH1870*±6AMA	30 (763)	9.00	9.00	9.00	9.00	9.00	9.00	9.00
6	BEH2200*±6AMA	30 (763)	9.00	9.00	9.00	9.00	9.00	9.00	9.00

Notes:
* = Electrical Code Designator (see Nomenclature details)
2-speed EC motor is required to meet minimum AWEF.
For R-404A and R-454C, 30 inch fan models use 700 RPM 2-speed EC motor to meet minimum AWEF.
± = Refrigerant designator

DOE Rated AWEF

AWEF DATA

Hot Gas Defrost - Low Temperature

Rating Conditions/ DOE mandated, test conditions per AHRI 1250
Testing conditions: COOLER: 10°F TD, 25°F SST, <50% RH/ FREEZER: 10°F TD, -20°F SST, <50% RH

FPI	Model	Fan Diameter	Cooler						
			R-404A/ R-507A	R-448A/ R-449A	R-407A/ R-407F	R-407C	R-455A	R-454C	R-454A
		in (mm)	AWEF	AWEF	AWEF	AWEF	AWEF	AWEF	AWEF
6	BEH0540*±6HMA	24 (610)	-	4.15	4.15	-	4.15	-	4.15
6	BEH0630*±6HMA	24 (610)	4.15	4.15	4.15	-	4.15	4.15	4.15
6	BEH0805*±6HMA	24 (610)	4.15	4.15	4.15	-	4.15	4.15	4.15
6	BEH0925*±6HMA	24 (610)	4.15	4.15	4.15	-	4.15	4.15	4.15
6	BEH1125*±6HMA	24 (610)	4.15	4.15	4.15	-	4.15	4.15	4.15
6	BEH1210*±6HMA	24 (610)	4.15	4.15	4.15	-	4.15	4.15	4.15
4	BEH0480*±4HMA	24 (610)	-	4.15	4.15	-	4.15	-	4.15
4	BEH0565*±4HMA	24 (610)	-	4.15	4.15	-	4.15	-	4.15
4	BEH0730*±4HMA	24 (610)	-	4.15	4.15	-	4.15	-	4.15
4	BEH0845*±4HMA	24 (610)	-	4.15	4.15	-	4.15	-	4.15
4	BEH1010*±4HMA	24 (610)	-	4.15	4.15	-	4.15	-	4.15
4	BEH1085*±4HMA	24 (610)	-	4.15	4.15	-	4.15	-	4.15
6	BEH1340*±6HMA	30 (763)	4.15	4.15	4.15	-	4.15	4.15	4.15
6	BEH1560*±6HMA	30 (763)	4.15	4.15	4.15	-	4.15	4.15	4.15
6	BEH1820*±6HMA	30 (763)	4.15	4.15	4.15	-	4.15	4.15	4.15
6	BEH2330*±6HMA	30 (763)	4.15	4.15	4.15	-	4.15	4.15	4.15

Notes:
* = Electrical Code Designator (see Nomenclature details)
2-speed EC motor is required to meet minimum AWEF.
For R-404A and R-454C, 30 inch fan models use 700 RPM 2-speed EC motor to meet minimum AWEF.
± = Refrigerant designator

REFRIGERATION OPERATION

The refrigeration operation of the hot gas system is very similar to a standard refrigeration system. An external thermostat is connected to the hot gas control board at the terminal block connections labeled T-Stat and C (for common). When the normally open contact inside the thermostat closes (a call for cooling), the hot gas control board responds by activating a series of solenoids and contactors (described below) in order to initiate and maintain a refrigeration cycle. Later, when the thermostat contact opens, the hot gas control board deactivates the solenoids in a preset manner in order to safely turn off the refrigeration process and maintain an Off condition.

At initial power up, the system defaults to the **OFF** mode for a minimum of two minutes. Following the two-minute hold off period, the control circuit examines the state of the thermostat input. If the thermostat input signal is activated (closed between T- Stat and C), the system begins the refrigeration startup process. Full refrigeration mode (or **COOL** mode) is achieved when the control board has activated the solenoids necessary to provide refrigerant flow between the evaporator(s) and the condensing unit (Suction Solenoid and Liquid Line Solenoid), activated the compressor contactor, deployed the appropriate control over the condenser fans, and turned on the evaporator fans.

REFRIGERANT SOLENOID AND COMPRESSOR CONTACTOR CONTROL

The Suction Solenoid is initially activated following the power-up two-minute hold off time. It is maintained in the **ON** state until a defrost cycle is initiated. The timing of the liquid line solenoid (LLS) activation is based upon the saturated suction temperature (SST) which is calculated from the suction pressure value. If the SST is greater than 15°F, the compressor contactor is activated before the LLS is activated in order to decrease the suction pressure prior to startup. When the SST drops to -5°F, the LLS is activated. If the SST does not fall to -5°F within 2 minutes, Er12 is activated and the system goes to **OFF** mode.

If the SST is 15°F or less, the LLS is activated immediately. When the SST rises to -10°F for medium temperature applications or -20°F for low temperature applications, the compressor contactor is activated. If the SST fails to rise in 2 minutes, ER11 is activated and the system goes to **OFF** mode.

When the thermostat signal is deactivated, the liquid line solenoid is turned off immediately. The compressor contactor will stay activated until the suction pressure falls below the pre-programmed cut out pressure. The compressor contactor and all condenser fan contactors will be deactivated simultaneously. The evaporator fans will continue running.

CONDENSER FAN CONTROL

When the Condensing Unit Model is selected in the Program Review Menu; the program automatically activates the default Head Pressure Control Scheme.

METHOD

Pressure Fan Cycling (**PRES**) All fans Minimum condensing temperature: 65°F

The default **ON** and **OFF** settings are optimized to maximize energy efficiency while still providing adequate pressure for the thermostatic expansion valve(s) to work properly. The parameters are refrigerant specific. Fans are staged to minimize fluctuations in head pressure during operation.

During refrigeration operation, the hot gas controller monitors liquid pressure to determine if each fan should be **ON** or **OFF**.

These settings and other fan control options may be modified by turning on the Expert Mode (**XPRT**) in the Program Menu. See Program Review and Optional Controls for more information.

EVAPORATOR FAN CONTROL

After initial power-up, the evaporator fans will be turned off. When the system initiates the first cooling cycle, the hot gas controller monitors the temperature value of the evaporator defrost termination sensor mounted on the evaporator suction headers. When the controller determines that the suction header has reached the refreeze setpoint, the evaporator fans will be activated. If there are two evaporators, the fans will be energized by the first sensor to achieve setpoint. Once activated, the evaporator fans will continue to run until either a defrost cycle is initiated, or if the system is placed in **SERVICE** mode.

ANTI SHORT-CYCLE PROTECTION

During cooling mode, the control board is programmed to allow a minimum system **ON** time of 1 minute and a minimum **OFF** time of 2 minutes.

PUMP DOWN

At the end of each cooling cycle, when the box temperature is met, the hot gas control system will pump down and turn off the compressor.

To pump down, the Liquid Line Solenoid(s) is deactivated and the compressor runs until the pressure measured at the suction accumulator falls below the pre-programmed cut out pressure value, or two minutes has elapsed. The compressor is then turned off until the start of the next cooling cycle. During the pump down process, the LED display will show **PMPD**.

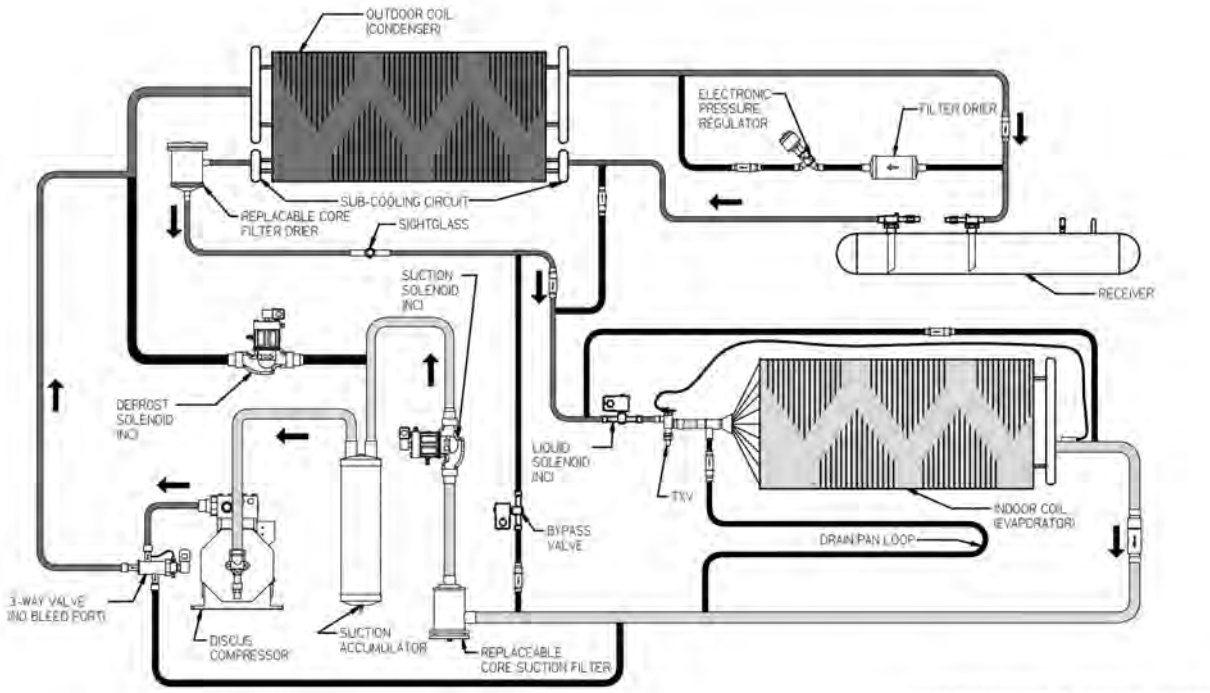
Manual Pump down: A single pole, single throw switch is connected to the Service SW input on the hot gas control board. Activating this switch (closing the contact) will cause the system to pump down and shut off. While in Service mode, the evaporator fans will turn off. Note that the system will not restart until the switch contact has been opened. The hot gas controller will display **SERV** while in Service mode.

The system can also be pumped-down by pressing the **SERVICE** button twice. To restart the system, press the **CLEAR** button.

Mohave Hot Gas Refrigeration Diagram

REFRIGERATION MODE

BLACK= Piping Inactive
GREY= Piping Active



DEFROST OPERATION

DEFROST TIMING/SCHEDULE PROGRAMMING

The hot gas controller can be programmed with up to 12 defrost start times. The Program Review menu section describes the process to program or delete a valid start time. Note that clearing a start time by pressing **CLEAR** and the **ENTER** will disable all start times following the one being cleared. There must be 30 minutes of elapsed time following a start of defrost before another defrost can be scheduled. A defrost cycle can be initiated manually at any time.

FORCE DEFROST MANUALLY

To manually force the start of a defrost-cycle, press the **FORCE DEFROST** button. If the system is in COOL mode, the system will pump down and go to the off mode before the defrost process is started.

DEFROST PROCESS

The defrost process has four steps: Pre-defrost (**DEF1**) pressure equalization, Defrost operation (**DEF2**), Post-defrost (**DEF3)** pressure equalization and drain down, and Refreeze (**FREZ**).

DEF1:

Pre-defrost, or defrost step 1, always follows activation of Off mode. If the system is in Cool mode when the defrost cycle is activated, the control will pump down and go to Off mode before activating pre-defrost.

The purpose of **DEF1** is to equalize the refrigerant pressures between the condensing unit receiver and the evaporator(s). This is accomplished by first deactivating the evaporator fans, and the suction solenoid. Next the Bypass Solenoid and the evaporator Pan Heater contactor are activated. The time duration of the pressure equalization is programmed as **EQUT** in the **PROGRAM REVIEW** menu.

DEF2:

After the equalization time has elapsed, the Bypass Solenoid is deactivated. The Defrost Solenoid is activated 1 second later, followed by the 3-Way valve solenoid 1 second after that. Next, the pressure regulator control algorithm is enabled. The initial position is full open, but it quickly makes adjustments in order to stabilize the pressures and temperatures seen at the inlet of the suction accumulator.

DEF2: (cont.)

The compressor contactor turns on at the same time that the pressure regulator is activated. The ambient temperature is measured, and a determination is made of how many condenser fans should be operating. The correct number of condenser fans is activated at the same time as the compressor contactor.

During the **DEF2** operation, the pressure regulator continues to maintain the appropriate volume of refrigerant flow through the system based upon the current ambient conditions, the refrigerant type, and the type of cooling application.

Termination of defrost is accomplished by either both evaporators reaching their target termination temps, or the liquid pressure measured between the receiver and the condenser coil reaching its target pressure, or the pre-programmed fail safe time.

When one of the termination factors is realized, the compressor, condenser fan(s), and the defrost solenoid are turned off. The 3-Way valve and the Pan heaters are left on. The pressure regulator is activated to 100% open, and **DEF3** begins.

DEF3:

Post-defrost has two purposes. The first is the transfer of high pressure refrigerant at the evaporator back to the condenser receiver by way of the pressure regulator. The pressure regulator is open 100% during this step. The second purpose is drain down time for the warm evaporators. This allows the water that was melted off of the coil to drain out of the evaporator drain pan.

The time duration for this step is identical to the **DEF1** equalization time.

After the completion of the delay time period, the 3- way valve and the pan heater contactor are turned off. One second later the suction solenoid is turned on, and then one second after that the compressor turns on. The condenser fan control algorithm is also enabled. When the pressure measured at the suction sensor falls below 20 psig, the liquid line solenoid is activated and the process step changes to refreeze.

FREZ

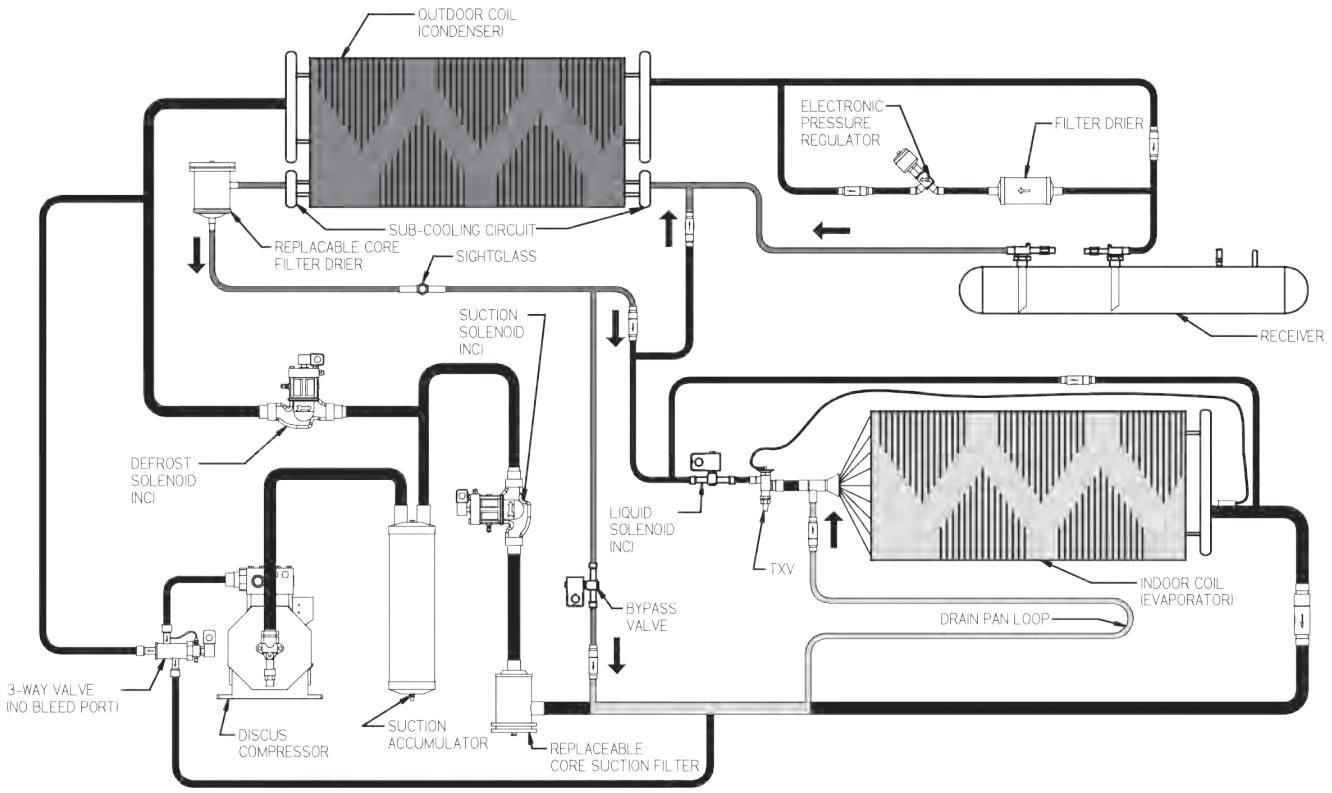
The refreeze step is identical to cooling mode except that the evaporator fans are turned off. This is to allow the evaporator coils to freeze any remaining water that might be left over from the drain down step so that when the fans turn on, the water will not be sprayed into the refrigerated space. When the evaporator reaches the refreeze setpoint, the fans turn on and the system begins a cooling cycle. If the thermostat is satisfied, or deactivated, the system will run a cooling cycle for two minutes and then pump down and shut off.

After the compressor is energized, the suction stop valve may be pulsed to limit the suction pressure at the compressor..

Mohave Hot Gas Defrost Cycle Diagrams

DEFROST - 1 MODE

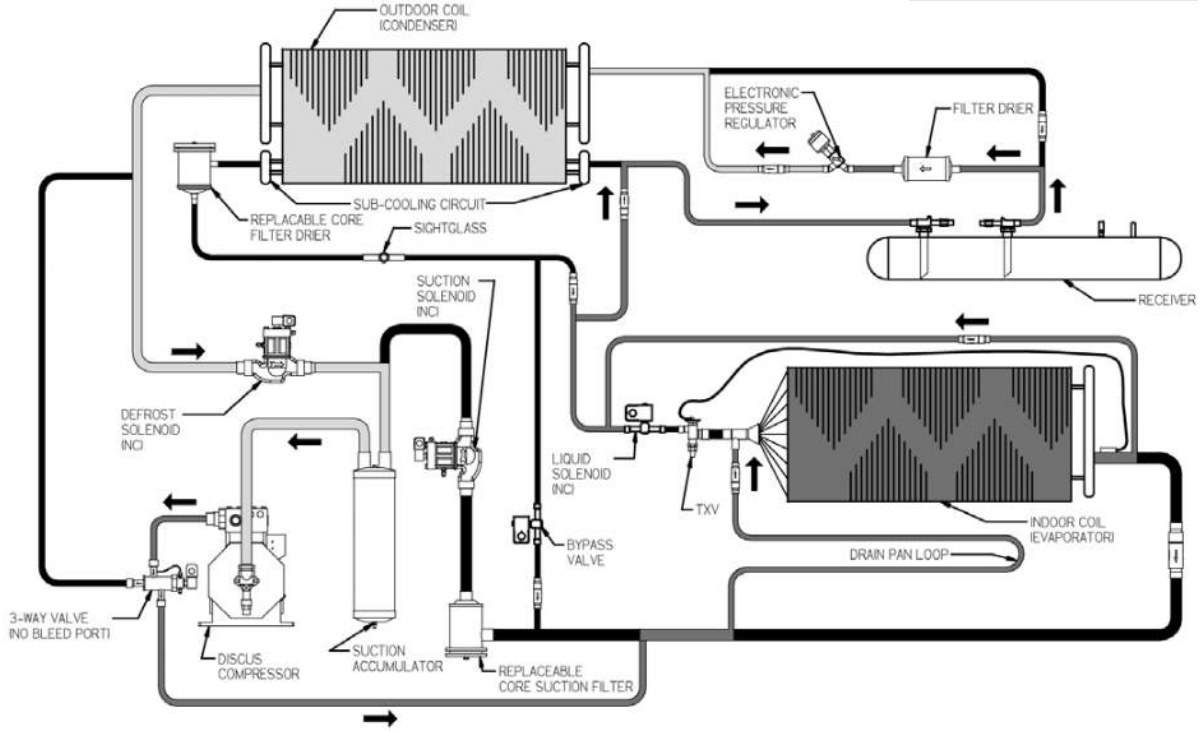
BLACK= Piping Inactive
GREY= Piping Active



Mohave Hot Gas Defrost Cycle Diagrams (cont.)

DEFROST - 2 MODE

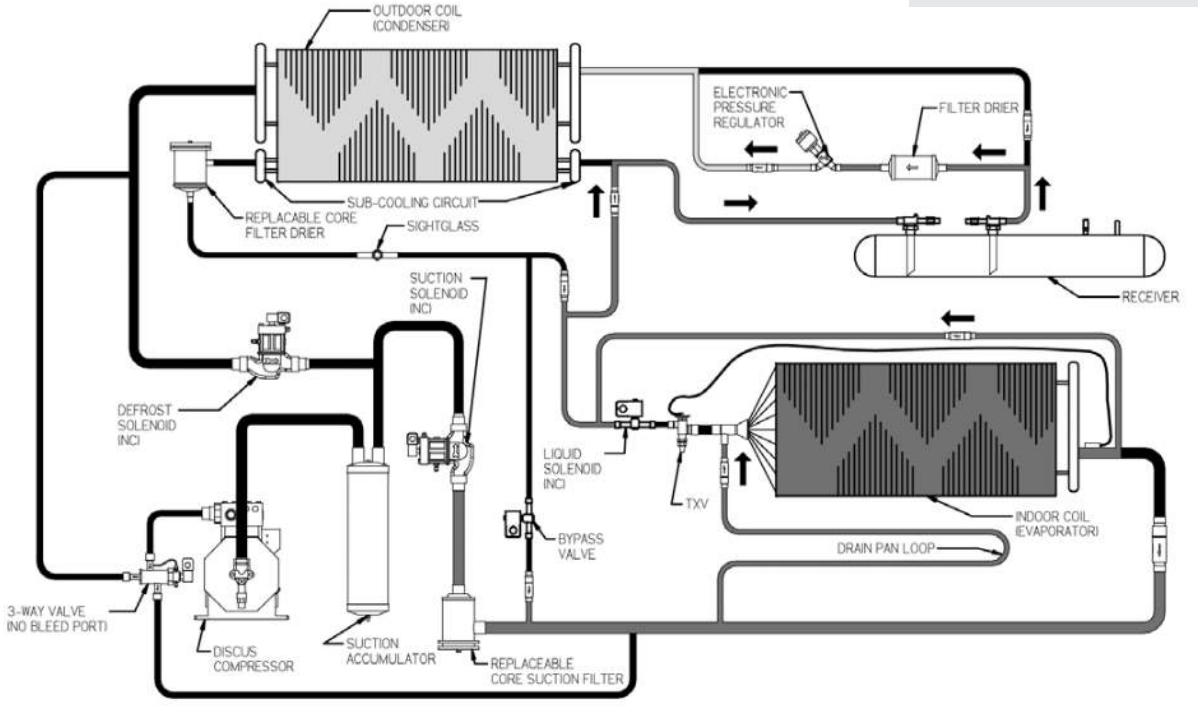
BLACK= Piping Inactive
GREY= Piping Active



Mohave Hot Gas Defrost Cycle Diagrams

DEFROST - 3 MODE

BLACK= Piping Inactive
GREY= Piping Active



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