



A2L QV-SERIES WITH BITZER COMPRESSORS



**15 to 100 HP Air-Cooled
Condensing Units**



FEATURES

The design of the innovative QV Series Condensing Units™ sets the new standard for efficiency, reliability and serviceability to meet the needs of the food processing, industrial cooling and warehousing industries. Models incorporate features from our award-winning Quantum Air™ Condensers such as the floating coil design with generously sized condensers for energy savings, swept wing fan blades for optimal air flow, and LED lighted control panel and hinged venturi panels for easy access. A floored compressor cabinet with removable compressor tray, service convenience outlet, hinged and removable access panels, integral liquid subcooling circuit, and paint protected galvanized steel housing are all standard features of these units.

FEATURES AND OPTIONS

● Standard ○ Optional ⊖ Not Available

DESCRIPTION		RF Flooded Models	RB Non-Flooded Models
GENERAL CONSTRUCTION	Vertical air discharge configuration		●
	Prepaint gray exterior/G60 Galvanized outdoor cabinet construction		●
	G90 Galvanized frame		●
	Service gauge hooks		●
	Mechanically formed pre-bent tubing reduces potential leaks		●
	High and low voltage electrical panels with hinged door		●
	Single point electrical connection		●
CONDENSER COIL AND FANS	Award-winning floating coil design		●
	Subcooling circuit		●
	Flip top condenser fan venturi(s)		●
	Swept wing fan blades for optional air flow		●
	Adjustable flooded head pressure control valve	●	⊖
COIL COATINGS	ElectroFin® or Bronz-Glow		○
COMPRESSORS	Bitzer compressor [^]		●
	Liquid injection on low temp. compressors		●
	Crankcase heater		●
	Electronic oil failure control		●
	Suction line and discharge line vibrasorbers		●
	Floored compressor cabinet with removable compressor tray		●
	Compressor unloading with suction pressure contactor		○
ELECTRICAL AND CONTROL PANEL	3 Phase condenser fan motors		●
	Hinged and removable access panels		●
	Separate power and control electrical panels		●
	Condenser fan contactors		●
	Control circuit and condenser fan fuses		●
	Single point alarm with liquid line solenoid lockout		●
	Pump down switch		●
	208-230 Control voltage		●
	Service and control LED control panel lighting (Panel door switch/service toggle)		●
	110 VAC20 Amp convenience outlet for field connection		●
	EC fan motors with electronic variable speed control		○
	Control circuit and condenser fan breakers		○
	Thru-the-door non-fused disconnect (200 amp Max)		○
	Thru-the-door fused disconnect (200 amp Max)		○
	Thru-the-door breaker disconnect (225 amp Max)		○
	Phase loss monitor (Symcom250A or ICM450)		○
	Air defrost timer or electric defrost components		○
	Up to 4 evaporators electric defrost kit		○
	Anti short cycle timer		○

FEATURES AND OPTIONS

● Standard ○ Optional ⊖ Not Available

DESCRIPTION		RF Flooded Models	RB Non-Flooded Models
REFRIGERATION	High and low pressure controls		●
	Color coded refrigerant hoses		●
	Horizontal receiver		●
	Receiver isolation valve		●
	Refrigerant relief valve		●
	Replaceable core liquid line filter		●
	Liquid line isolation valve with sight glass		●
	Oil management system	● PARALLEL	
	Heated and insulated receiver		○
	Oil separator with check valve		○
	Oversized receiver		○
	Suction accumulator		○
	Boil out suction accumulator		○
	Liquid filter isolation valve		○
	Liquid line solenoid valve (Shipped loose)		○
	Suction isolation valve		○
	Suction filter isolation valve		○
	Replaceable core suction filter		○
	Hot gas bypass (Discharge tee, regulator or ball valve)		○
	Heat reclaim (Sporlan 3 way valve)		○
	Crankcase pressure regulator		○
	Electronic fan cycling control	○	●
	Minimum charge monitor	⊖	○
	Receiver level gauge		○
	Additional compressor cooling for medium temp models - liquid injection, suction accumulator, and insulated suction line components and piping		○
	Additional compressor cooling for low temp models - insulated suction line components and piping		○

MODEL NOMENCLATURE

R	F	B	V	030	M	4A	G
Brand	Model Style	Compressor Type	Configuration	Horsepower	Temperature Range	Refrigerant Type	Voltage [^]
R = Russell	B = Non-Flooded F = Flooded	B = Bitzer Ecoline	V = Single Compressor D = Dual Piping P = Parallel Piping	030 = 30 HP	M = Medium Temp. L = Low Temp.	4A = R-454A, R-454C, and R-455A	E = 208-230/3/60 G = 460/3/60

[^] 50 Hz available. Contact Factory for additional information.

CAPACITY DATA (BTUH)

MEDIUM TEMPERATURE R454A BITZER // SINGLE COMPRESSOR // 60 HZ[‡]

Model No.		Comp. Model No.	Suction Temperature (°F)								
			45°	40°	35°	30°	25°	20°	10°	0°	-10°
90°F Ambient	R*BV015M4A*	4NE-20	198,480	182,890	167,880	153,510	139,810	126,960	102,650	80,980	62,120
	R*BV020M4A*	4JE-22	228,580	210,470	193,470	177,080	161,420	146,340	118,290	93,960	71,980
	R*BV025M4A*	4HE-25	260,140	240,090	221,540	203,850	186,100	169,520	138,040	110,870	85,790
	R*BV030M4A*	4GE-30	299,410	276,660	255,370	234,730	214,720	195,550	159,710	127,660	99,220
	R*BV035M4A*	6HE-35	393,780	362,590	334,080	305,980	278,990	253,230	205,920	163,780	127,610
	R*BV040M4A*	6GE-40	433,830	400,900	371,060	340,890	312,310	284,600	232,940	187,350	145,200
	R*BV050M4A*	6FE-50	521,980	483,600	447,450	412,330	378,640	345,470	283,920	229,340	178,650
95°F Ambient	R*BV015M4A*	4NE-20	190,330	175,010	161,170	147,100	133,860	121,320	97,940	77,010	58,910
	R*BV020M4A*	4JE-22	219,520	202,060	185,650	169,790	154,590	140,070	112,940	89,510	68,000
	R*BV025M4A*	4HE-25	250,050	230,660	212,660	195,410	178,510	162,210	132,010	104,960	81,450
	R*BV030M4A*	4GE-30	287,730	265,740	244,950	225,000	205,710	187,360	152,740	121,800	94,740
	R*BV035M4A*	6HE-35	378,220	348,170	320,580	293,770	267,600	242,870	196,970	156,300	120,840
	R*BV040M4A*	6GE-40	416,780	385,050	355,570	326,780	299,260	272,380	222,480	177,820	138,640
	R*BV050M4A*	6FE-50	500,030	462,970	428,790	395,460	362,790	331,040	271,870	217,840	169,590
100°F Ambient	R*BV015M4A*	4NE-20	-	168,260	154,000	140,960	127,850	115,990	93,380	73,370	56,380
	R*BV020M4A*	4JE-22	-	193,730	177,890	162,780	148,010	133,810	107,620	84,690	64,510
	R*BV025M4A*	4HE-25	-	221,000	203,930	186,940	170,710	154,990	125,900	99,800	76,380
	R*BV030M4A*	4GE-30	-	253,880	234,400	215,300	196,640	178,820	145,720	116,080	89,750
	R*BV035M4A*	6HE-35	-	333,840	307,250	281,300	256,220	232,280	187,800	148,940	114,470
	R*BV040M4A*	6GE-40	-	368,730	340,330	312,730	286,000	260,390	212,380	169,020	131,410
	R*BV050M4A*	6FE-50	-	443,430	410,670	378,430	346,850	316,460	259,400	207,510	160,930
110°F Ambient	R*BV015M4A*	4NE-20	-	-	140,080	127,840	116,070	104,910	83,840	65,360	48,530
	R*BV020M4A*	4JE-22	-	-	162,080	147,990	134,330	121,000	97,130	75,210	56,400
	R*BV025M4A*	4HE-25	-	-	185,700	170,150	155,090	140,490	113,480	89,290	68,030
	R*BV030M4A*	4GE-30	-	-	213,410	195,680	178,610	161,730	131,420	104,020	79,360
	R*BV035M4A*	6HE-35	-	-	280,420	255,820	233,190	210,770	169,330	133,090	101,060
	R*BV040M4A*	6GE-40	-	-	309,690	284,310	259,900	235,990	191,720	151,450	115,720
	R*BV050M4A*	6FE-50	-	-	373,500	343,170	314,620	286,730	234,040	186,410	142,940

Head fan required Additional Compressor Cooling Required

* Each asterisk represents a variable character based upon model and voltage ordered. See page 3 for nomenclature.

All capacities are calculated at 65°F return gas temperature and dew point values.

‡ Multiply capacity by .83 when used with 50 Hz power.

CAPACITY DATA (BTUH)

MEDIUM TEMPERATURE R454C BITZER // SINGLE COMPRESSOR // 60 HZ†

Model No.		Comp. Model No.	Suction Temperature (°F)								
			45°	40°	35°	30°	25°	20°	10°	0°	-10°
90°F Ambient	R*BVO15M4A*	4NE-20	188,490	172,080	156,200	140,940	127,150	113,750	89,760	69,460	51,800
	R*BVO20M4A*	4JE-22	216,970	197,700	179,390	162,330	146,160	131,020	103,530	80,140	59,710
	R*BVO25M4A*	4HE-25	247,020	226,250	206,190	187,100	168,980	151,960	121,250	94,470	71,410
	R*BVO30M4A*	4GE-30	284,450	260,590	237,520	215,820	194,940	175,510	140,070	109,510	82,790
	R*BVO35M4A*	6HE-35	373,250	340,830	309,370	280,360	252,720	226,810	180,010	140,190	105,630
	R*BVO40M4A*	6GE-40	411,310	377,260	344,190	313,070	283,060	255,180	203,740	160,200	121,720
	R*BVO50M4A*	6FE-50	495,570	455,600	417,030	379,820	344,050	310,850	249,720	195,200	149,450
95°F Ambient	R*BVO15M4A*	4NE-20	180,580	164,400	149,690	134,820	121,340	108,650	85,420	65,590	49,240
	R*BVO20M4A*	4JE-22	208,330	189,600	172,280	155,460	139,860	125,300	98,700	76,180	56,590
	R*BVO25M4A*	4HE-25	236,890	216,710	197,440	179,300	161,870	145,510	115,470	89,870	67,710
	R*BVO30M4A*	4GE-30	272,480	249,590	227,140	206,120	186,400	167,880	134,390	104,300	78,890
	R*BVO35M4A*	6HE-35	358,060	326,650	296,940	268,810	242,040	217,300	172,210	133,850	100,900
	R*BVO40M4A*	6GE-40	393,780	360,980	329,390	299,810	271,370	243,990	194,640	152,440	115,480
	R*BVO50M4A*	6FE-50	474,290	435,990	398,570	363,480	329,160	297,260	238,220	186,570	141,560
100°F Ambient	R*BVO15M4A*	4NE-20	-	157,260	142,890	128,770	115,990	103,660	81,390	62,440	46,440
	R*BVO20M4A*	4JE-22	-	181,730	164,730	148,610	133,630	119,470	93,790	71,930	53,080
	R*BVO25M4A*	4HE-25	-	207,530	189,030	171,270	154,470	138,800	110,410	85,480	63,880
	R*BVO30M4A*	4GE-30	-	238,340	217,110	197,210	178,050	160,350	127,550	99,070	74,570
	R*BVO35M4A*	6HE-35	-	312,700	284,340	256,720	231,500	207,470	164,080	126,430	95,090
	R*BVO40M4A*	6GE-40	-	345,960	315,320	286,230	258,790	232,800	185,400	144,880	109,710
	R*BVO50M4A*	6FE-50	-	416,480	381,370	346,870	314,360	283,530	226,690	177,400	134,610
110°F Ambient	R*BVO15M4A*	4NE-20	-	-	129,570	116,970	104,740	93,420	72,900	55,440	40,670
	R*BVO20M4A*	4JE-22	-	-	149,660	134,770	120,650	107,850	84,230	63,590	46,640
	R*BVO25M4A*	4HE-25	-	-	171,500	155,350	139,860	125,190	98,660	75,720	56,150
	R*BVO30M4A*	4GE-30	-	-	197,020	178,550	161,170	144,850	114,320	88,000	65,220
	R*BVO35M4A*	6HE-35	-	-	258,040	232,920	209,670	187,910	147,370	112,800	84,480
	R*BVO40M4A*	6GE-40	-	-	286,130	259,300	234,030	210,490	167,020	129,150	96,620
	R*BVO50M4A*	6FE-50	-	-	345,450	314,470	284,430	256,230	203,730	159,210	118,880

Head fan required

Additional Compressor Cooling Required

* Each asterisk represents a variable character based upon model and voltage ordered. See page 3 for nomenclature.

All capacities are calculated at 65°F return gas temperature and dew point values.

‡ Multiply capacity by .83 when used with 50 Hz power.

CAPACITY DATA (BTUH)

MEDIUM TEMPERATURE R455A BITZER // SINGLE COMPRESSOR // 60 HZ†

Model No.		Comp. Model No.	Suction Temperature (°F)								
			45°	40°	35°	30°	25°	20°	10°	0°	-10°
90°F Ambient	R*BV015M4A*	4NE-20	195,970	178,890	162,520	146,960	132,140	118,280	92,670	71,070	52,680
	R*BV020M4A*	4JE-22	225,910	206,050	187,010	168,880	152,070	136,010	106,890	81,650	60,480
	R*BV025M4A*	4HE-25	256,920	235,010	214,290	194,370	175,540	157,630	125,410	96,960	73,050
	R*BV030M4A*	4GE-30	295,050	270,040	246,220	224,070	202,450	182,050	144,820	112,340	84,630
	R*BV035M4A*	6HE-35	388,690	354,520	322,000	291,350	262,400	235,210	186,430	144,040	107,780
	R*BV040M4A*	6GE-40	426,930	391,670	356,100	324,340	292,930	263,410	210,560	163,980	123,940
	R*BV050M4A*	6FE-50	513,350	472,060	431,750	393,040	356,130	321,550	257,920	202,200	152,990
95°F Ambient	R*BV015M4A*	4NE-20	187,710	171,530	155,370	140,410	126,070	112,640	88,610	67,750	50,220
	R*BV020M4A*	4JE-22	216,910	197,310	179,150	161,260	144,340	129,390	101,720	77,420	57,180
	R*BV025M4A*	4HE-25	246,190	225,130	205,190	185,790	166,900	150,700	119,310	92,220	69,050
	R*BV030M4A*	4GE-30	282,580	258,430	235,790	214,230	193,480	173,920	137,860	106,490	79,930
	R*BV035M4A*	6HE-35	372,340	339,440	307,900	278,710	250,200	225,090	177,560	136,260	101,810
	R*BV040M4A*	6GE-40	409,030	374,390	341,150	309,950	280,120	252,240	200,720	155,480	117,270
	R*BV050M4A*	6FE-50	491,060	450,850	412,810	375,880	340,910	306,590	246,020	192,390	144,770
100°F Ambient	R*BV015M4A*	4NE-20	-	163,470	148,520	134,120	120,130	107,010	83,880	63,840	47,120
	R*BV020M4A*	4JE-22	-	188,710	171,250	154,230	137,950	123,320	96,290	73,010	53,560
	R*BV025M4A*	4HE-25	-	215,350	195,700	177,450	160,130	143,640	113,450	87,140	64,710
	R*BV030M4A*	4GE-30	-	246,820	225,180	204,380	184,320	164,940	130,860	100,830	75,030
	R*BV035M4A*	6HE-35	-	324,900	295,170	266,750	239,260	214,610	168,890	128,990	95,680
	R*BV040M4A*	6GE-40	-	357,520	325,410	295,310	267,350	239,750	190,760	147,260	110,220
	R*BV050M4A*	6FE-50	-	430,640	394,150	358,100	325,940	293,070	233,960	181,150	136,370
110°F Ambient	R*BV015M4A*	4NE-20	-	-	134,290	120,740	107,920	95,980	74,830	55,890	40,600
	R*BV020M4A*	4JE-22	-	-	154,560	139,290	124,750	110,410	85,560	63,950	46,040
	R*BV025M4A*	4HE-25	-	-	177,550	160,260	144,220	129,240	101,110	76,580	56,100
	R*BV030M4A*	4GE-30	-	-	203,480	184,480	165,930	148,100	116,570	88,750	65,400
	R*BV035M4A*	6HE-35	-	-	267,730	241,150	216,340	193,120	150,790	113,560	82,500
	R*BV040M4A*	6GE-40	-	-	294,390	266,760	239,540	215,210	170,030	129,540	95,260
	R*BV050M4A*	6FE-50	-	-	355,910	323,330	292,180	263,860	208,900	160,490	118,030

Head fan required Additional Compressor Cooling Required

* Each asterisk represents a variable character based upon model and voltage ordered. See page 3 for nomenclature.

All capacities are calculated at 65°F return gas temperature and dew point values.

‡ Multiply capacity by .83 when used with 50 Hz power.

CAPACITY DATA (BTUH)

MEDIUM TEMPERATURE R454A BITZER // DUAL COMPRESSOR // 60 HZ†

Model No.		Comp. Model No.	Suction Temperature (°F)								
			45°	40°	35°	30°	25°	20°	10°	0°	-10°
90°F Ambient	R*BD030M4A*	(2) 4NE-20	396,960	365,780	335,760	307,020	279,620	253,920	205,300	161,960	124,240
	R*BD040M4A*	(2) 4JE-22	457,160	420,940	386,940	354,160	322,840	292,680	236,580	187,920	143,960
	R*BD050M4A*	(2) 4HE-25	520,280	480,180	443,080	407,700	372,200	339,040	276,080	221,740	171,580
	R*BD060M4A*	(2) 4GE-30	598,820	553,320	510,740	469,460	429,440	391,100	319,420	255,320	198,440
	R*BD070M4A*	(2) 6HE-35	787,560	725,180	668,160	611,960	557,980	506,460	411,840	327,560	255,220
	R*BD080M4A*	(2) 6GE-40	867,660	801,800	742,120	681,780	624,620	569,200	465,880	374,700	290,400
	R*BD0100M4A*	(2) 6FE-50	1,043,960	967,200	894,900	824,660	757,280	690,940	567,840	458,680	357,300
95°F Ambient	R*BD030M4A*	(2) 4NE-20	380,660	350,020	322,340	294,200	267,720	242,640	195,880	154,020	117,820
	R*BD040M4A*	(2) 4JE-22	439,040	404,120	371,300	339,580	309,180	280,140	225,880	179,020	136,000
	R*BD050M4A*	(2) 4HE-25	500,100	461,320	425,320	390,820	357,020	324,420	264,020	209,920	162,900
	R*BD060M4A*	(2) 4GE-30	575,460	531,480	489,900	450,000	411,420	374,720	305,480	243,600	189,480
	R*BD070M4A*	(2) 6HE-35	756,440	696,340	641,160	587,540	535,200	485,740	393,940	312,600	241,680
	R*BD080M4A*	(2) 6GE-40	833,560	770,100	711,140	653,560	598,520	544,760	444,960	355,640	277,280
	R*BD0100M4A*	(2) 6FE-50	1,000,060	925,940	857,580	790,920	725,580	662,080	543,740	435,680	339,180
100°F Ambient	R*BD030M4A*	(2) 4NE-20	-	336,520	308,000	281,920	255,700	231,980	186,760	146,740	112,760
	R*BD040M4A*	(2) 4JE-22	-	387,460	355,780	325,560	296,020	267,620	215,240	169,380	129,020
	R*BD050M4A*	(2) 4HE-25	-	442,000	407,860	373,880	341,420	309,980	251,800	199,600	152,760
	R*BD060M4A*	(2) 4GE-30	-	507,760	468,800	430,600	393,280	357,640	291,440	232,160	179,500
	R*BD070M4A*	(2) 6HE-35	-	667,680	614,500	562,600	512,440	464,560	375,600	297,880	228,940
	R*BD080M4A*	(2) 6GE-40	-	737,460	680,660	625,460	572,000	520,780	424,760	338,040	262,820
	R*BD0100M4A*	(2) 6FE-50	-	886,860	821,340	756,860	693,700	632,920	518,800	415,020	321,860
110°F Ambient	R*BD030M4A*	(2) 4NE-20	-	-	280,160	255,680	232,140	209,820	167,680	130,720	97,060
	R*BD040M4A*	(2) 4JE-22	-	-	324,160	295,980	268,660	242,000	194,260	150,420	112,800
	R*BD050M4A*	(2) 4HE-25	-	-	371,400	340,300	310,180	280,980	226,960	178,580	136,060
	R*BD060M4A*	(2) 4GE-30	-	-	426,820	391,360	357,220	323,460	262,840	208,040	158,720
	R*BD070M4A*	(2) 6HE-35	-	-	560,840	511,640	466,380	421,540	338,660	266,180	202,120
	R*BD080M4A*	(2) 6GE-40	-	-	619,380	568,620	519,800	471,980	383,440	302,900	231,440
	R*BD0100M4A*	(2) 6FE-50	-	-	747,000	686,340	629,240	573,460	468,080	372,820	285,880

Head fan required

Additional Compressor Cooling Required

* Each asterisk represents a variable character based upon model and voltage ordered. See page 3 for nomenclature.

All capacities are calculated at 65°F return gas temperature and dew point values.

‡ Multiply capacity by .83 when used with 50 Hz power.

CAPACITY DATA (BTUH)

MEDIUM TEMPERATURE R454C BITZER // DUAL COMPRESSOR // 60 HZ[‡]

Model No.		Comp. Model No.	Suction Temperature (°F)								
			45°	40°	35°	30°	25°	20°	10°	0°	-10°
90°F Ambient	R*BD030M4A*	(2) 4NE-20	376,980	344,160	312,400	281,880	254,300	227,500	179,520	138,920	103,600
	R*BD040M4A*	(2) 4JE-22	433,940	395,400	358,780	324,660	292,320	262,040	207,060	160,280	119,420
	R*BD050M4A*	(2) 4HE-25	494,040	452,500	412,380	374,200	337,960	303,920	242,500	188,940	142,820
	R*BD060M4A*	(2) 4GE-30	568,900	521,180	475,040	431,640	389,880	351,020	280,140	219,020	165,580
	R*BD070M4A*	(2) 6HE-35	746,500	681,660	618,740	560,720	505,440	453,620	360,020	280,380	211,260
	R*BD080M4A*	(2) 6GE-40	822,620	754,520	688,380	626,140	566,120	510,360	407,480	320,400	243,440
	R*BD0100M4A*	(2) 6FE-50	991,140	911,200	834,060	759,640	688,100	621,700	499,440	390,400	298,900
95°F Ambient	R*BD030M4A*	(2) 4NE-20	361,160	328,800	299,380	269,640	242,680	217,300	170,840	131,180	98,480
	R*BD040M4A*	(2) 4JE-22	416,660	379,200	344,560	310,920	279,720	250,600	197,400	152,360	113,180
	R*BD050M4A*	(2) 4HE-25	473,780	433,420	394,880	358,600	323,740	291,020	230,940	179,740	135,420
	R*BD060M4A*	(2) 4GE-30	544,960	499,180	454,280	412,240	372,800	335,760	268,780	208,600	157,780
	R*BD070M4A*	(2) 6HE-35	716,120	653,300	593,880	537,620	484,080	434,600	344,420	267,700	201,800
	R*BD080M4A*	(2) 6GE-40	787,560	721,960	658,780	599,620	542,740	487,980	389,280	304,880	230,960
	R*BD0100M4A*	(2) 6FE-50	948,580	871,980	797,140	726,960	658,320	594,520	476,440	373,140	283,120
100°F Ambient	R*BD030M4A*	(2) 4NE-20	-	314,520	285,780	257,540	231,980	207,320	162,780	124,880	92,880
	R*BD040M4A*	(2) 4JE-22	-	363,460	329,460	297,220	267,260	238,940	187,580	143,860	106,160
	R*BD050M4A*	(2) 4HE-25	-	415,060	378,060	342,540	308,940	277,600	220,820	170,960	127,760
	R*BD060M4A*	(2) 4GE-30	-	476,680	434,220	394,420	356,100	320,700	255,100	198,140	149,140
	R*BD070M4A*	(2) 6HE-35	-	625,400	568,680	513,440	463,000	414,940	328,160	252,860	190,180
	R*BD080M4A*	(2) 6GE-40	-	691,920	630,640	572,460	517,580	465,600	370,800	289,760	219,420
	R*BD0100M4A*	(2) 6FE-50	-	832,960	762,740	693,740	628,720	567,060	453,380	354,800	269,220
110°F Ambient	R*BD030M4A*	(2) 4NE-20	-	-	259,140	233,940	209,480	186,840	145,800	110,880	81,340
	R*BD040M4A*	(2) 4JE-22	-	-	299,320	269,540	241,300	215,700	168,460	127,180	93,280
	R*BD050M4A*	(2) 4HE-25	-	-	343,000	310,700	279,720	250,380	197,320	151,440	112,300
	R*BD060M4A*	(2) 4GE-30	-	-	394,040	357,100	322,340	289,700	228,640	176,000	130,440
	R*BD070M4A*	(2) 6HE-35	-	-	516,080	465,840	419,340	375,820	294,740	225,600	168,960
	R*BD080M4A*	(2) 6GE-40	-	-	572,260	518,600	468,060	420,980	334,040	258,300	193,240
	R*BD0100M4A*	(2) 6FE-50	-	-	690,900	628,940	568,860	512,460	407,460	318,420	237,760

Head fan required Additional Compressor Cooling Required

* Each asterisk represents a variable character based upon model and voltage ordered. See page 3 for nomenclature.

All capacities are calculated at 65°F return gas temperature and dew point values.

‡ Multiply capacity by .83 when used with 50 Hz power.

CAPACITY DATA (BTUH)

MEDIUM TEMPERATURE R455A BITZER // DUAL COMPRESSOR // 60 HZ[‡]

Model No.		Comp. Model No.	Suction Temperature (°F)								
			45°	40°	35°	30°	25°	20°	10°	0°	-10°
90°F Ambient	R*BD030M4A	(2) 4NE-20	391,940	357,780	325,040	293,920	264,280	236,560	185,340	142,140	105,360
	R*BD040M4A	(2) 4JE-22	451,820	412,100	374,020	337,760	304,140	272,020	213,780	163,300	120,960
	R*BD050M4A	(2) 4HE-25	513,840	470,020	428,580	388,740	351,080	315,260	250,820	193,920	146,100
	R*BD060M4A	(2) 4GE-30	590,100	540,080	492,440	448,140	404,900	364,100	289,640	224,680	169,260
	R*BD070M4A	(2) 6HE-35	777,380	709,040	644,000	582,700	524,800	470,420	372,860	288,080	215,560
	R*BD080M4A	(2) 6GE-40	853,860	783,340	712,200	648,680	585,860	526,820	421,120	327,960	247,880
	R*BD0100M4A	(2) 6FE-50	1,026,700	944,120	863,500	786,080	712,260	643,100	515,840	404,400	305,980
95°F Ambient	R*BD030M4A	(2) 4NE-20	375,420	343,060	310,740	280,820	252,140	225,280	177,220	135,500	100,440
	R*BD040M4A	(2) 4JE-22	433,820	394,620	358,300	322,520	288,680	258,780	203,440	154,840	114,360
	R*BD050M4A	(2) 4HE-25	492,380	450,260	410,380	371,580	333,800	301,400	238,620	184,440	138,100
	R*BD060M4A	(2) 4GE-30	565,160	516,860	471,580	428,460	386,960	347,840	275,720	212,980	159,860
	R*BD070M4A	(2) 6HE-35	744,680	678,880	615,800	557,420	500,400	450,180	355,120	272,520	203,620
	R*BD080M4A	(2) 6GE-40	818,060	748,780	682,300	619,900	560,240	504,480	401,440	310,960	234,540
	R*BD0100M4A	(2) 6FE-50	982,120	901,700	825,620	751,760	681,820	613,180	492,040	384,780	289,540
100°F Ambient	R*BD030M4A	(2) 4NE-20	-	326,940	297,040	268,240	240,260	214,020	167,760	127,680	94,240
	R*BD040M4A	(2) 4JE-22	-	377,420	342,500	308,460	275,900	246,640	192,580	146,020	107,120
	R*BD050M4A	(2) 4HE-25	-	430,700	391,400	354,900	320,260	287,280	226,900	174,280	129,420
	R*BD060M4A	(2) 4GE-30	-	493,640	450,360	408,760	368,640	329,880	261,720	201,660	150,060
	R*BD070M4A	(2) 6HE-35	-	649,800	590,340	533,500	478,520	429,220	337,780	257,980	191,360
	R*BD080M4A	(2) 6GE-40	-	715,040	650,820	590,620	534,700	479,500	381,520	294,520	220,440
	R*BD0100M4A	(2) 6FE-50	-	861,280	788,300	716,200	651,880	586,140	467,920	362,300	272,740
110°F Ambient	R*BD030M4A	(2) 4NE-20	-	-	268,580	241,480	215,840	191,960	149,660	111,780	81,200
	R*BD040M4A	(2) 4JE-22	-	-	309,120	278,580	249,500	220,820	171,120	127,900	92,080
	R*BD050M4A	(2) 4HE-25	-	-	355,100	320,520	288,440	258,480	202,220	153,160	112,200
	R*BD060M4A	(2) 4GE-30	-	-	406,960	368,960	331,860	296,200	233,140	177,500	130,800
	R*BD070M4A	(2) 6HE-35	-	-	535,460	482,300	432,680	386,240	301,580	227,120	165,000
	R*BD080M4A	(2) 6GE-40	-	-	588,780	533,520	479,080	430,420	340,060	259,080	190,520
	R*BD0100M4A	(2) 6FE-50	-	-	711,820	646,660	584,360	527,720	417,800	320,980	236,060

Head fan required

Additional Compressor Cooling Required

* Each asterisk represents a variable character based upon model and voltage ordered. See page 3 for nomenclature.

All capacities are calculated at 65°F return gas temperature and dew point values.

‡ Multiply capacity by .83 when used with 50 Hz power.

CAPACITY DATA (BTUH)

MEDIUM TEMPERATURE R454C BITZER // PARALLEL COMPRESSOR // 60 HZ[‡]

Model No.		Comp. Model No.	Suction Temperature (°F)								
			45°	40°	35°	30°	25°	20°	10°	0°	-10°
90°F Ambient	R*DP050M4A*	(2) 4HE-25	494,040	452,500	412,380	374,200	337,960	303,920	242,500	188,940	142,820
	R*DP060M4A*	(2) 4GE-30	568,900	521,180	475,040	431,640	389,880	351,020	280,140	219,020	165,580
	R*DP070M4A*	(2) 6HE-35	746,500	681,660	618,740	560,720	505,440	453,620	360,020	280,380	211,260
	R*DP080M4A*	(2) 6GE-40	822,620	754,520	688,380	626,140	566,120	510,360	407,480	320,400	243,440
	R*DP0100M4A*	(2) 6FE-50	991,140	911,200	834,060	759,640	688,100	621,700	499,440	390,400	298,900
95°F Ambient	R*DP050M4A*	(2) 4HE-25	473,780	433,420	394,880	358,600	323,740	291,020	230,940	179,740	135,420
	R*DP060M4A*	(2) 4GE-30	544,960	499,180	454,280	412,240	372,800	335,760	268,780	208,600	157,780
	R*DP070M4A*	(2) 6HE-35	716,120	653,300	593,880	537,620	484,080	434,600	344,420	267,700	201,800
	R*DP080M4A*	(2) 6GE-40	787,560	721,960	658,780	599,620	542,740	487,980	389,280	304,880	230,960
	R*DP0100M4A*	(2) 6FE-50	948,580	871,980	797,140	726,960	658,320	594,520	476,440	373,140	283,120
100°F Ambient	R*DP050M4A*	(2) 4HE-25	-	415,060	378,060	342,540	308,940	277,600	220,820	170,960	127,760
	R*DP060M4A*	(2) 4GE-30	-	476,680	434,220	394,420	356,100	320,700	255,100	198,140	149,140
	R*DP070M4A*	(2) 6HE-35	-	625,400	568,680	513,440	463,000	414,940	328,160	252,860	190,180
	R*DP080M4A*	(2) 6GE-40	-	691,920	630,640	572,460	517,580	465,600	370,800	289,760	219,420
	R*DP0100M4A*	(2) 6FE-50	-	832,960	762,740	693,740	628,720	567,060	453,380	354,800	269,220
110°F Ambient	R*DP050M4A*	(2) 4HE-25	-	-	343,000	310,700	279,720	250,380	197,320	151,440	112,300
	R*DP060M4A*	(2) 4GE-30	-	-	394,040	357,100	322,340	289,700	228,640	176,000	130,440
	R*DP070M4A*	(2) 6HE-35	-	-	516,080	465,840	419,340	375,820	294,740	225,600	168,960
	R*DP080M4A*	(2) 6GE-40	-	-	572,260	518,600	468,060	420,980	334,040	258,300	193,240
	R*DP0100M4A*	(2) 6FE-50	-	-	690,900	628,940	568,860	512,460	407,460	318,420	237,760

Head fan required Additional Compressor Cooling Required

* Each asterisk represents a variable character based upon model and voltage ordered. See page 3 for nomenclature.

All capacities are calculated at 65°F return gas temperature and dew point values.

‡ Multiply capacity by .83 when used with 50 Hz power.

CAPACITY DATA (BTUH)

MEDIUM TEMPERATURE R455A BITZER // PARALLEL COMPRESSOR // 60 HZ[‡]

Model No.		Comp. Model No.	Suction Temperature (°F)								
			45°	40°	35°	30°	25°	20°	10°	0°	-10°
90°F Ambient	R*DP050M4A*	(2) 4HE-25	513,840	470,020	428,580	388,740	351,080	315,260	250,820	193,920	146,100
	R*DP060M4A*	(2) 4GE-30	590,100	540,080	492,440	448,140	404,900	364,100	289,640	224,680	169,260
	R*DP070M4A*	(2) 6HE-35	777,380	709,040	644,000	582,700	524,800	470,420	372,860	288,080	215,560
	R*DP080M4A*	(2) 6GE-40	853,860	783,340	712,200	648,680	585,860	526,820	421,120	327,960	247,880
	R*DP0100M4A*	(2) 6FE-50	1,026,700	944,120	863,500	786,080	712,260	643,100	515,840	404,400	305,980
95°F Ambient	R*DP050M4A*	(2) 4HE-25	492,380	450,260	410,380	371,580	333,800	301,400	238,620	184,440	138,100
	R*DP060M4A*	(2) 4GE-30	565,160	516,860	471,580	428,460	386,960	347,840	275,720	212,980	159,860
	R*DP070M4A*	(2) 6HE-35	744,680	678,880	615,800	557,420	500,400	450,180	355,120	272,520	203,620
	R*DP080M4A*	(2) 6GE-40	818,060	748,780	682,300	619,900	560,240	504,480	401,440	310,960	234,540
	R*DP0100M4A*	(2) 6FE-50	982,120	901,700	825,620	751,760	681,820	613,180	492,040	384,780	289,540
100°F Ambient	R*DP050M4A*	(2) 4HE-25	-	430,700	391,400	354,900	320,260	287,280	226,900	174,280	129,420
	R*DP060M4A*	(2) 4GE-30	-	493,640	450,360	408,760	368,640	329,880	261,720	201,660	150,060
	R*DP070M4A*	(2) 6HE-35	-	649,800	590,340	533,500	478,520	429,220	337,780	257,980	191,360
	R*DP080M4A*	(2) 6GE-40	-	715,040	650,820	590,620	534,700	479,500	381,520	294,520	220,440
	R*DP0100M4A*	(2) 6FE-50	-	861,280	788,300	716,200	651,880	586,140	467,920	362,300	272,740
110°F Ambient	R*DP050M4A*	(2) 4HE-25	-	-	355,100	320,520	288,440	258,480	202,220	153,160	112,200
	R*DP060M4A*	(2) 4GE-30	-	-	406,960	368,960	331,860	296,200	233,140	177,500	130,800
	R*DP070M4A*	(2) 6HE-35	-	-	535,460	482,300	432,680	386,240	301,580	227,120	165,000
	R*DP080M4A*	(2) 6GE-40	-	-	588,780	533,520	479,080	430,420	340,060	259,080	190,520
	R*DP0100M4A*	(2) 6FE-50	-	-	711,820	646,660	584,360	527,720	417,800	320,980	236,060

Head fan required Additional Compressor Cooling Required

* Each asterisk represents a variable character based upon model and voltage ordered. See page 3 for nomenclature.

All capacities are calculated at 65°F return gas temperature and dew point values.

‡ Multiply capacity by .83 when used with 50 Hz power.

CAPACITY DATA (BTUH)

LOW TEMPERATURE R454A BITZER // SINGLE COMPRESSOR // 60 HZ†

Model No.		Comp. Model No.	Suction Temperature (°F)								
			0°	-5°	-10°	-15°	-20°	-25°	-30°	-35°	-40°
90°F Ambient	R*BVO22L4A*	4GE-23	123,640	110,050	97,480	85,560	74,590	64,370	54,860	45,870	37,130
	R*BVO27L4A*	6HE-28	153,490	137,530	121,680	106,670	93,320	80,330	68,150	56,440	45,580
	R*BVO30L4A*	6GE-34	187,270	168,050	149,530	132,110	115,950	100,650	86,700	73,070	59,930
	R*BVO40L4A*	6FE-44	226,530	203,400	181,560	160,900	141,760	123,370	106,730	90,370	74,610
95°F Ambient	R*BVO22L4A*	4GE-23	117,480	104,590	92,110	81,030	70,370	60,260	51,420	42,590	35,040
	R*BVO27L4A*	6HE-28	146,780	130,920	115,660	101,330	88,160	75,630	64,070	52,980	43,150
	R*BVO30L4A*	6GE-34	179,020	160,390	142,550	125,790	110,170	95,230	81,750	68,520	56,780
	R*BVO40L4A*	6FE-44	216,770	194,600	173,350	153,550	134,930	117,400	100,890	85,470	71,420
100°F Ambient	R*BVO22L4A*	4GE-23	111,620	99,290	87,150	76,340	66,040	56,760	47,770	39,530	-
	R*BVO27L4A*	6HE-28	139,630	124,330	109,930	96,220	83,270	71,190	59,970	49,270	-
	R*BVO30L4A*	6GE-34	170,900	152,520	135,340	119,400	104,410	89,910	76,790	63,890	-
	R*BVO40L4A*	6FE-44	207,070	185,260	165,280	145,820	127,910	110,850	94,910	79,620	-
110°F Ambient	R*BVO22L4A*	4GE-23	99,940	88,140	76,820	66,750	57,460	48,790	40,770	33,830	-
	R*BVO27L4A*	6HE-28	125,920	111,610	97,730	85,130	73,380	61,980	51,460	41,890	-
	R*BVO30L4A*	6GE-34	154,690	137,810	122,020	106,710	92,730	79,390	67,080	55,610	-
	R*BVO40L4A*	6FE-44	187,690	167,960	149,050	131,010	114,330	98,720	83,330	69,530	-

LOW TEMPERATURE R454C BITZER // SINGLE COMPRESSOR // 60 HZ†

Model No.		Comp. Model No.	Suction Temperature (°F)								
			0°	-5°	-10°	-15°	-20°	-25°	-30°	-35°	-40°
90°F Ambient	R*BVO22L4A*	4GE-23	107,280	95,180	83,860	72,920	63,080	53,820	45,350	37,360	30,000
	R*BVO27L4A*	6HE-28	139,030	123,110	108,150	94,410	81,400	69,190	58,100	47,760	38,210
	R*BVO30L4A*	6GE-34	157,410	140,620	124,010	108,880	94,410	81,320	68,920	57,270	46,270
	R*BVO40L4A*	6FE-44	188,120	167,340	147,950	129,600	112,200	96,300	81,310	66,970	53,450
95°F Ambient	R*BVO22L4A*	4GE-23	102,030	90,800	79,730	69,540	59,690	50,860	42,540	34,940	27,950
	R*BVO27L4A*	6HE-28	132,700	117,290	102,660	89,420	76,750	65,060	54,180	44,340	35,230
	R*BVO30L4A*	6GE-34	150,330	133,890	117,730	103,840	89,840	76,920	65,190	53,870	43,440
	R*BVO40L4A*	6FE-44	178,970	159,480	140,850	123,250	106,730	90,980	76,380	62,700	49,860
100°F Ambient	R*BVO22L4A*	4GE-23	97,080	86,160	75,690	65,400	56,330	47,910	40,050	32,710	-
	R*BVO27L4A*	6HE-28	125,810	110,930	97,180	84,260	72,040	60,890	50,470	40,880	-
	R*BVO30L4A*	6GE-34	143,280	127,000	112,390	98,310	84,740	72,660	61,410	50,390	-
	R*BVO40L4A*	6FE-44	170,460	151,510	133,620	116,380	100,400	85,560	71,640	58,320	-
110°F Ambient	R*BVO22L4A*	4GE-23	87,490	77,020	67,260	57,950	49,570	41,910	34,650	28,050	-
	R*BVO27L4A*	6HE-28	112,510	98,800	85,790	73,740	62,330	52,060	42,530	33,840	-
	R*BVO30L4A*	6GE-34	128,600	113,910	100,330	87,450	75,190	63,700	53,260	43,370	-
	R*BVO40L4A*	6FE-44	152,970	135,630	119,130	103,250	88,440	74,700	61,980	50,000	-

Head fan required
Additional Compressor Cooling Required

* Each asterisk represents a variable character based upon model and voltage ordered. See page 3 for nomenclature.

All capacities are calculated at 65°F return gas temperature and dew point values.

‡ Multiply capacity by .83 when used with 50 Hz power.

CAPACITY DATA (BTUH)

LOW TEMPERATURE R455A BITZER // SINGLE COMPRESSOR // 60 HZ†

Model No.		Comp. Model No.	Suction Temperature (°F)								
			0°	-5°	-10°	-15°	-20°	-25°	-30°	-35°	-40°
90°F Ambient	R*BVO22L4A*	4GE-23	111,090	98,380	86,430	75,220	64,810	55,090	46,230	37,950	30,570
	R*BVO27L4A*	6HE-28	141,180	124,690	108,940	94,530	81,060	68,460	56,780	46,270	36,760
	R*BVO30L4A*	6GE-34	163,220	145,160	128,460	112,540	97,780	83,480	70,690	58,550	47,380
	R*BVO40L4A*	6FE-44	193,910	173,550	153,330	133,930	115,990	98,720	82,810	67,900	54,550
95°F Ambient	R*BVO22L4A*	4GE-23	105,850	93,390	82,190	71,190	61,110	51,850	43,360	35,610	28,270
	R*BVO27L4A*	6HE-28	134,570	118,470	103,430	89,300	76,250	64,130	52,970	42,810	33,560
	R*BVO30L4A*	6GE-34	155,800	138,470	122,220	106,910	92,230	78,850	66,160	54,560	43,990
	R*BVO40L4A*	6FE-44	183,820	164,670	145,360	126,670	109,130	93,170	77,670	63,420	50,580
100°F Ambient	R*BVO22L4A*	4GE-23	100,500	88,930	77,320	66,980	57,540	48,530	40,380	32,940	-
	R*BVO27L4A*	6HE-28	127,360	112,230	97,560	83,690	71,260	59,570	48,850	39,180	-
	R*BVO30L4A*	6GE-34	147,950	131,350	115,730	100,800	86,950	73,860	61,900	50,670	-
	R*BVO40L4A*	6FE-44	176,050	156,550	137,270	119,440	102,500	86,890	72,420	58,750	-
110°F Ambient	R*BVO22L4A*	4GE-23	88,940	78,670	68,640	59,020	49,920	42,040	34,470	27,650	-
	R*BVO27L4A*	6HE-28	113,680	99,240	85,820	73,280	61,280	50,600	40,610	31,810	-
	R*BVO30L4A*	6GE-34	132,590	117,330	102,420	89,030	75,700	63,830	52,820	42,580	-
	R*BVO40L4A*	6FE-44	157,620	138,700	121,780	104,390	89,430	74,890	61,380	49,140	-

LOW TEMPERATURE R454A BITZER // DUAL COMPRESSORS // 60 HZ†

Model No.		Comp. Model No.	Suction Temperature (°F)								
			0°	-5°	-10°	-15°	-20°	-25°	-30°	-35°	-40°
90°F Ambient	R*BD044L4A*	(2) 4GE-23	247,280	220,100	194,960	171,120	149,180	128,740	109,720	91,740	74,260
	R*BD054L4A*	(2) 6HE-28	306,980	275,060	243,360	213,340	186,640	160,660	136,300	112,880	91,160
	R*BD060L4A*	(2) 6GE-34	374,540	336,100	299,060	264,220	231,900	201,300	173,400	146,140	119,860
	R*BD080L4A*	(2) 6FE-44	453,060	406,800	363,120	321,800	283,520	246,740	213,460	180,740	149,220
95°F Ambient	R*BD044L4A*	(2) 4GE-23	234,960	209,180	184,220	162,060	140,740	120,520	102,840	85,180	70,080
	R*BD054L4A*	(2) 6HE-28	293,560	261,840	231,320	202,660	176,320	151,260	128,140	105,960	86,300
	R*BD060L4A*	(2) 6GE-34	358,040	320,780	285,100	251,580	220,340	190,460	163,500	137,040	113,560
	R*BD080L4A*	(2) 6FE-44	433,540	389,200	346,700	307,100	269,860	234,800	201,780	170,940	142,840
100°F Ambient	R*BD044L4A*	(2) 4GE-23	223,240	198,580	174,300	152,680	132,080	113,520	95,540	79,060	-
	R*BD054L4A*	(2) 6HE-28	279,260	248,660	219,860	192,440	166,540	142,380	119,940	98,540	-
	R*BD060L4A*	(2) 6GE-34	341,800	305,040	270,680	238,800	208,820	179,820	153,580	127,780	-
	R*BD080L4A*	(2) 6FE-44	414,140	370,520	330,560	291,640	255,820	221,700	189,820	159,240	-
110°F Ambient	R*BD044L4A*	(2) 4GE-23	199,880	176,280	153,640	133,500	114,920	97,580	81,540	67,660	-
	R*BD054L4A*	(2) 6HE-28	251,840	223,220	195,460	170,260	146,760	123,960	102,920	83,780	-
	R*BD060L4A*	(2) 6GE-34	309,380	275,620	244,040	213,420	185,460	158,780	134,160	111,220	-
	R*BD080L4A*	(2) 6FE-44	375,380	335,920	298,100	262,020	228,660	197,440	166,660	139,060	-

Head fan required Additional Compressor Cooling Required

* Each asterisk represents a variable character based upon model and voltage ordered. See page 3 for nomenclature.

All capacities are calculated at 65°F return gas temperature and dew point values.

† Multiply capacity by .83 when used with 50 Hz power.

CAPACITY DATA (BTUH)

LOW TEMPERATURE R454C BITZER // DUAL & PARALLEL COMPRESSORS // 60 HZ[‡]

Model No.		Comp. Model No.	Suction Temperature (°F)								
			0°	-5°	-10°	-15°	-20°	-25°	-30°	-35°	-40°
90°F Ambient	R*BD044L4A* R*BP044L4A*	(2) 4GE-23	214,560	190,360	167,720	145,840	126,160	107,640	90,700	74,720	60,000
	R*BD054L4A* R*BP054L4A*	(2) 6HE-28	278,060	246,220	216,300	188,820	162,800	138,380	116,200	95,520	76,420
	R*BD060L4A* R*BP060L4A*	(2) 6GE-34	314,820	281,240	248,020	217,760	188,820	162,640	137,840	114,540	92,540
	R*BD080L4A* R*BP080L4A*	(2) 6FE-44	376,240	334,680	295,900	259,200	224,400	192,600	162,620	133,940	106,900
95°F Ambient	R*BD044L4A* R*BP044L4A*	(2) 4GE-23	204,060	181,600	159,460	139,080	119,380	101,720	85,080	69,880	55,900
	R*BD054L4A* R*BP054L4A*	(2) 6HE-28	265,400	234,580	205,320	178,840	153,500	130,120	108,360	88,680	70,460
	R*BD060L4A* R*BP060L4A*	(2) 6GE-34	300,660	267,780	235,460	207,680	179,680	153,840	130,380	107,740	86,880
	R*BD080L4A* R*BP080L4A*	(2) 6FE-44	357,940	318,960	281,700	246,500	213,460	181,960	152,760	125,400	99,720
100°F Ambient	R*BD044L4A* R*BP044L4A*	(2) 4GE-23	194,160	172,320	151,380	130,800	112,660	95,820	80,100	65,420	-
	R*BD054L4A* R*BP054L4A*	(2) 6HE-28	251,620	221,860	194,360	168,520	144,080	121,780	100,940	81,760	-
	R*BD060L4A* R*BP060L4A*	(2) 6GE-34	286,560	254,000	224,780	196,620	169,480	145,320	122,820	100,780	-
	R*BD080L4A* R*BP080L4A*	(2) 6FE-44	340,920	303,020	267,240	232,760	200,800	171,120	143,280	116,640	-
110°F Ambient	R*BD044L4A* R*BP044L4A*	(2) 4GE-23	174,980	154,040	134,520	115,900	99,140	83,820	69,300	56,100	-
	R*BD054L4A* R*BP054L4A*	(2) 6HE-28	225,020	197,600	171,580	147,480	124,660	104,120	85,060	67,680	-
	R*BD060L4A* R*BP060L4A*	(2) 6GE-34	257,200	227,820	200,660	174,900	150,380	127,400	106,520	86,740	-
	R*BD080L4A* R*BP080L4A*	(2) 6FE-44	305,940	271,260	238,260	206,500	176,880	149,400	123,960	100,000	-

 Additional Compressor Cooling Required

* Each asterisk represents a variable character based upon model and voltage ordered. See page 3 for nomenclature.

All capacities are calculated at 65°F return gas temperature and dew point values.

Liquid injection standard.

‡ Multiply capacity by .83 when used with 50 Hz power.

CAPACITY DATA (BTUH)

LOW TEMPERATURE R455A BITZER // DUAL & PARALLEL COMPRESSORS // 60 HZ[‡]

Model No.		Comp. Model No.	Suction Temperature (°F)								
			0°	-5°	-10°	-15°	-20°	-25°	-30°	-35°	-40°
90°F Ambient	R*BD044L4A* R*BP044L4A*	(2) 4GE-23	222,180	196,760	172,860	150,440	129,620	110,180	92,460	75,900	61,140
	R*BD054L4A* R*BP054L4A*	(2) 6HE-28	282,360	249,380	217,880	189,060	162,120	136,920	113,560	92,540	73,520
	R*BD060L4A* R*BP060L4A*	(2) 6GE-34	326,440	290,320	256,920	225,080	195,560	166,960	141,380	117,100	94,760
	R*BD080L4A* R*BP080L4A*	(2) 6FE-44	387,820	347,100	306,660	267,860	231,980	197,440	165,620	135,800	109,100
95°F Ambient	R*BD044L4A* R*BP044L4A*	(2) 4GE-23	211,700	186,780	164,380	142,380	122,220	103,700	86,720	71,220	56,540
	R*BD054L4A* R*BP054L4A*	(2) 6HE-28	269,140	236,940	206,860	178,600	152,500	128,260	105,940	85,620	67,120
	R*BD060L4A* R*BP060L4A*	(2) 6GE-34	311,600	276,940	244,440	213,820	184,460	157,700	132,320	109,120	87,980
	R*BD080L4A* R*BP080L4A*	(2) 6FE-44	367,640	329,340	290,720	253,340	218,260	186,340	155,340	126,840	101,160
100°F Ambient	R*BD044L4A* R*BP044L4A*	(2) 4GE-23	201,000	177,860	154,640	133,960	115,080	97,060	80,760	65,880	-
	R*BD054L4A* R*BP054L4A*	(2) 6HE-28	254,720	224,460	195,120	167,380	142,520	119,140	97,700	78,360	-
	R*BD060L4A* R*BP060L4A*	(2) 6GE-34	295,900	262,700	231,460	201,600	173,900	147,720	123,800	101,340	-
	R*BD080L4A* R*BP080L4A*	(2) 6FE-44	352,100	313,100	274,540	238,880	205,000	173,780	144,840	117,500	-
110°F Ambient	R*BD044L4A* R*BP044L4A*	(2) 4GE-23	177,880	157,340	137,280	118,040	99,840	84,080	68,940	55,300	-
	R*BD054L4A* R*BP054L4A*	(2) 6HE-28	227,360	198,480	171,640	146,560	122,560	101,200	81,220	63,620	-
	R*BD060L4A* R*BP060L4A*	(2) 6GE-34	265,180	234,660	204,840	178,060	151,400	127,660	105,640	85,160	-
	R*BD080L4A* R*BP080L4A*	(2) 6FE-44	315,240	277,400	243,560	208,780	178,860	149,780	122,760	98,280	-

 Additional Compressor Cooling Required

* Each asterisk represents a variable character based upon model and voltage ordered. See page 3 for nomenclature.

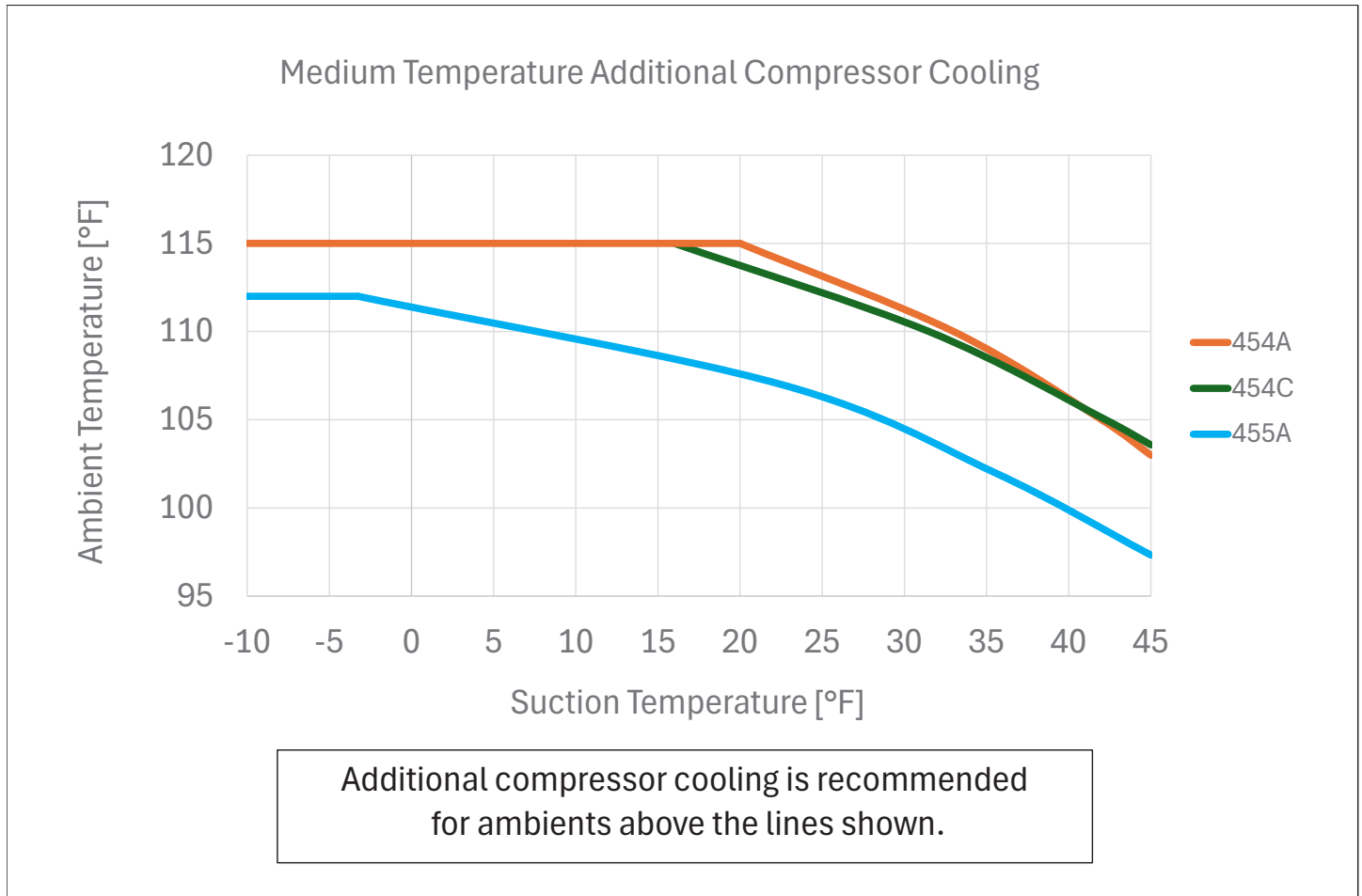
All capacities are calculated at 65°F return gas temperature and dew point values.

Liquid injection standard.

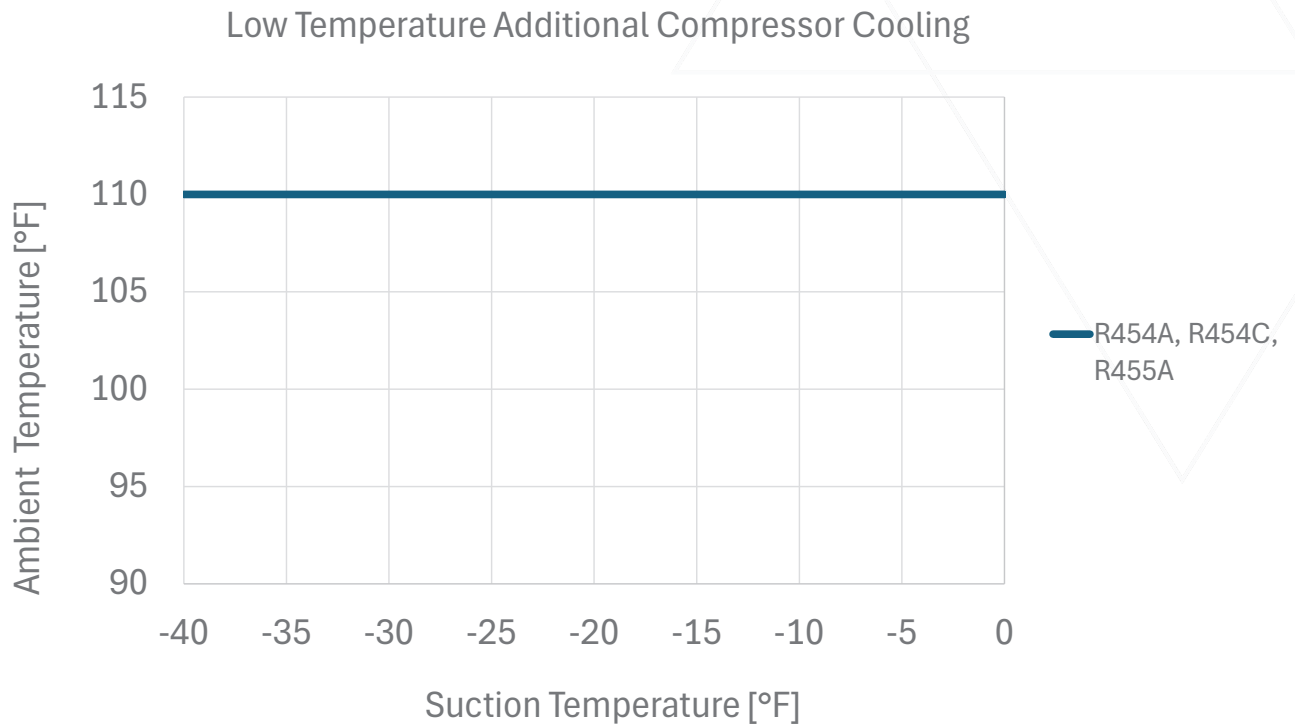
‡ Multiply capacity by .83 when used with 50 Hz power.

ADDITIONAL COMPRESSOR COOLING GRAPH

MEDIUM TEMPERATURE MODELS



- Additional compressor cooling option includes liquid injection (TREV), suction accumulator, and insulated suction line components and piping.

ADDITIONAL COMPRESSOR COOLING GRAPH**LOW TEMPERATURE MODELS**

- Additional compressor cooling option includes insulated suction line components and piping.

ELECTRICAL SPECIFICATIONS

BITZER // SINGLE COMPRESSOR MODELS

	Base Model No.	Comp. Model No.	Compressor			Cond. Fan		Control Amps	Air Defrost/Remote	
			RLA	MCC	LRA [^]	Total Fan FLA	Qty.		MCA	MOPD
208-230V/3/60 Hz	R*BV015M4A*	4NE-20	57.7	90.0	352.0	13.0	2	2.0	87.1	125
	R*BV020M4A*	4JE-22	61.5	95.9	352.0	13.0	2	2.0	91.9	150
	R*BV025M4A*	4HE-25	75.6	117.9	436.0	13.0	2	2.0	109.5	175
	R*BV030M4A*	4GE-30	89.7	139.9	294.0 [^]	13.0	2	2.0	127.1	200
	R*BV035M4A*	6HE-35	105.1	164.0	330.0 [^]	19.5	3	2.0	152.9	250
	R*BV040M4A*	6GE-40	141.0	220.0	420.0 [^]	19.5	3	2.0	197.8	300
	R*BV050M4A*	6FE-50	143.6	224.0	570.0 [^]	19.5	3	2.0	201.0	300
	R*BV022L4A*	4GE-23	57.7	90.0	352.0	13.0	2	2.0	87.1	125
	R*BV027L4A*	6HE-28	77.6	121.1	490.0	13.0	2	2.0	112.0	175
	R*BV030L4A*	6GE-34	84.6	132.0	294.0 [^]	13.0	2	2.0	120.8	200
	R*BV040L4A*	6FE-44	97.4	151.9	420.0 [^]	13.0	2	2.0	136.8	225
460V/3/60 Hz	R*BV015M4A*	4NE-20	28.8	44.9	176.0	6.6	2	1.0	43.6	70
	R*BV020M4A*	4JE-22	30.8	48.0	176.0	6.6	2	1.0	46.1	70
	R*BV025M4A*	4HE-25	37.8	59.0	218.0	6.6	2	1.0	54.9	90
	R*BV030M4A*	4GE-30	44.9	70.0	245.0	6.6	2	1.0	63.7	100
	R*BV035M4A*	6HE-35	52.6	82.1	275.0	9.9	3	1.0	76.7	125
	R*BV040M4A*	6GE-40	70.5	110.0	350.0	9.9	3	1.0	99.0	150
	R*BV050M4A*	6FE-50	71.8	112.0	425.0	9.9	3	1.0	100.7	150
	R*BV022L4A*	4GE-23	28.8	44.9	176.0	6.6	2	1.0	43.6	70
	R*BV027L4A*	6HE-28	38.8	60.5	245.0	6.6	2	1.0	56.1	90
	R*BV030L4A*	6GE-34	42.3	66.0	245.0	6.6	2	1.0	60.5	100
	R*BV040L4A*	6FE-44	48.7	76.0	350.0	6.6	2	1.0	68.5	110

[^] Model utilizes part winding start.

	Base Model No.	4 Contactor Defrost Kit					2 Contactor Defrost Kit					1 Contactor Defrost Kit				
		Kit Name	Fan Amps	Heater Amps	MCA	MOPD	Kit Name	Fan Amps	Heater Amps	MCA	MOPD	Kit Name	Fan Amps	Heater Amps	MCA	MOPD
208-230V/3/60 Hz	R*BV015M4A*	DLD96	24.0	96.0	122.0	150	DLB96	24.0	96.0	122.0	150	DLA48	15.0	48.0	102.1	150
	R*BV020M4A*	DLD96	24.0	96.0	122.0	175	DLB96	24.0	96.0	122.0	175	DLA48	15.0	48.0	106.9	150
	R*BV025M4A*	DLD192	24.0	192.0	242.0	250	DLB96	24.0	96.0	133.5	200	DLA48	15.0	48.0	124.5	200
	R*BV030M4A*	DLD192	24.0	192.0	242.0	250	DLB96	24.0	96.0	151.1	225	DLA48	15.0	48.0	142.1	225
	R*BV035M4A*	DLD192	24.0	192.0	242.0	250	DLB96	24.0	96.0	176.9	250	DLA48	15.0	48.0	167.9	250
	R*BV040M4A*	DLD192	24.0	192.0	242.0	350	DLB96	24.0	96.0	221.8	350	DLA48	15.0	48.0	212.8	350
	R*BV050M4A*	DLD192	24.0	192.0	242.0	350	DLB96	24.0	96.0	225.0	350	DLA48	15.0	48.0	216.0	350
	R*BV022L4A*	DLD96	24.0	96.0	122.0	150	DLB96	24.0	96.0	122.0	150	DLA48	15.0	48.0	102.1	150
	R*BV027L4A*	DLD96	24.0	96.0	136.0	200	DLB96	24.0	96.0	136.0	200	DLA48	15.0	48.0	127.0	200
	R*BV030L4A*	DLD144	24.0	144.0	182.0	225	DLB96	24.0	96.0	144.8	225	DLA48	15.0	48.0	135.8	200
	R*BV040L4A*	DLD144	24.0	144.0	182.0	250	DLB96	24.0	96.0	160.8	250	DLA48	15.0	48.0	151.8	225
460V/3/60 Hz	R*BV015M4A*	DLD60	24.0	60.0	76.0	90	DLB48	15.0	48.0	61.0	80	DLA24	15.0	24.0	58.6	80
	R*BV020M4A*	DLD60	24.0	60.0	76.0	100	DLB48	15.0	48.0	61.1	90	DLA48	15.0	48.0	61.1	90
	R*BV025M4A*	DLD96	24.0	96.0	121.0	125	DLB48	15.0	48.0	69.9	100	DLA48	15.0	48.0	69.9	100
	R*BV030M4A*	DLD96	24.0	96.0	121.0	125	DLB48	15.0	48.0	78.7	110	DLA48	15.0	48.0	78.7	110
	R*BV035M4A*	DLD96	24.0	96.0	121.0	150	DLB48	15.0	48.0	91.7	125	DLA48	15.0	48.0	91.7	125
	R*BV040M4A*	DLD96	24.0	96.0	123.0	175	DLB48	15.0	48.0	114.0	175	DLA48	15.0	48.0	114.0	175
	R*BV050M4A*	DLD96	24.0	96.0	124.7	175	DLB48	15.0	48.0	115.7	175	DLA48	15.0	48.0	115.7	175
	R*BV022L4A*	DLD60	24.0	60.0	76.0	90	DLB48	15.0	48.0	61.0	80	DLA48	15.0	48.0	61.0	80
	R*BV027L4A*	DLD60	24.0	60.0	80.1	110	DLB48	15.0	48.0	71.1	100	DLA48	15.0	48.0	71.1	100
	R*BV030L4A*	DLD96	24.0	96.0	121.0	125	DLB48	15.0	48.0	75.5	110	DLA48	15.0	48.0	75.5	110
	R*BV040L4A*	DLD96	24.0	96.0	121.0	125	DLB48	15.0	48.0	83.5	125	DLA48	15.0	48.0	83.5	125

* Each asterisk represents a variable character based upon model and voltage ordered. See page 3 for nomenclature.

ELECTRICAL SPECIFICATIONS

BITZER // DUAL COMPRESSOR MODELS

	Base Model No.	Comp. Model No.	Compressor			Cond. Fan		Control Amps	Air Defrost/Remote	
			RLA	MCC	LRA^	Total Fan FLA	QTY.		MCA	MOPD
208-230V/3/60 Hz	R*BD030M4A*	(2) 4NE-20	57.7	90.0	352.0	26.0	4	2.0	157.8	200
	R*BD040M4A*	(2) 4JE-22	61.5	95.9	352.0	26.0	4	2.0	166.4	225
	R*BD050M4A*	(2) 4HE-25	75.6	117.9	436.0	26.0	4	2.0	198.1	250
	R*BD060M4A*	(2) 4GE-30	89.7	139.9	294.0^	26.0	4	2.0	229.8	300
	R*BD070M4A*	(2) 6HE-35	105.1	164.0	330.0^	39.0	6	2.0	277.5	350
	R*BD080M4A*	(2) 6GE-40	141.0	220.0	420.0^	39.0	6	2.0	358.3	450
	R*BD100M4A*	(2) 6FE-50	143.6	224.0	570.0^	39.0	6	2.0	364.1	500
	R*BD044L4A*	(2) 4GE-23	57.7	90.0	352.0	13.0	2	2.0	144.8	200
	R*BD054L4A*	(2) 6HE-28	77.6	121.1	490.0	13.0	2	2.0	189.6	250
	R*BD060L4A*	(2) 6GE-34	84.6	132.0	294.0^	13.0	2	2.0	205.4	250
	R*BD080L4A*	(2) 6FE-44	97.4	151.9	420.0^	13.0	2	2.0	234.2	300
460V/3/60 Hz	R*BD030M4A*	(2) 4NE-20	28.8	44.9	176.0	13.2	4	1.0	79.0	100
	R*BD040M4A*	(2) 4JE-22	30.8	48.0	176.0	13.2	4	1.0	83.5	110
	R*BD050M4A*	(2) 4HE-25	37.8	59.0	218.0	13.2	4	1.0	99.3	125
	R*BD060M4A*	(2) 4GE-30	44.9	70.0	245.0	13.2	4	1.0	115.2	150
	R*BD070M4A*	(2) 6HE-35	52.6	82.1	275.0	19.8	6	1.0	139.2	175
	R*BD080M4A*	(2) 6GE-40	70.5	110.0	350.0	19.8	6	1.0	179.4	225
	R*BD100M4A*	(2) 6FE-50	71.8	112.0	425.0	19.8	6	1.0	162.6	225
	R*BD044L4A*	(2) 4GE-23	28.8	44.9	176.0	13.2	4	1.0	79.0	100
	R*BD054L4A*	(2) 6HE-28	38.8	60.5	245.0	13.2	4	1.0	101.5	125
	R*BD060L4A*	(2) 6GE-34	42.3	66.0	245.0	13.2	4	1.0	109.4	150
	R*BD080L4A*	(2) 6FE-44	48.7	76.0	350.0	13.2	4	1.0	123.8	150

^ Model utilizes part winding start.

	Base Model No.	2 Contactor Defrost Kit							1 Contactor Defrost Kit						
		Kit Name	Kit Fan Amps	Kit Heat Amps	Fan Amps	Total Heater Amps	MCA	MOPD	Kit Name	Kit Fan Amps	Kit Heat Amps	Fan Amps	Total Heater Amps	MCA	MOPD
208-230V/3/60 Hz	R*BD030M4A*	DLD96	24.0	96.0	48.0	192.0	242.0	250	DLB96	24.0	96.0	48.0	192.0	242.0	250
	R*BD040M4A*	DLD96	24.0	96.0	48.0	192.0	242.0	250	DLB96	24.0	96.0	48.0	192.0	242.0	250
	R*BD050M4A*	DLD192	24.0	192.0	48.0	384.0	482.0	500	DLB96	24.0	96.0	48.0	192.0	253.5	300
	R*BD060M4A*	DLD192	24.0	192.0	48.0	384.0	482.0	500	DLB96	24.0	96.0	48.0	192.0	277.8	350
	R*BD070M4A*	DLD192	24.0	192.0	48.0	384.0	482.0	500	DLB96	24.0	96.0	48.0	192.0	325.5	400
	R*BD080M4A*	DLD192	24.0	192.0	48.0	384.0	482.0	500	DLB96	24.0	96.0	48.0	192.0	406.3	500
	R*BD100M4A*	DLD192	24.0	192.0	48.0	384.0	482.0	500	DLB96	24.0	96.0	48.0	192.0	412.1	500
	R*BD044L4A*	DLD96	24.0	96.0	48.0	192.0	242.0	250	DLB96	24.0	96.0	48.0	192.0	242.0	250
	R*BD054L4A*	DLD96	24.0	96.0	48.0	192.0	249.5	300	DLB96	24.0	96.0	48.0	192.0	249.5	300
	R*BD060L4A*	DLD144	24.0	144.0	48.0	288.0	362.0	400	DLB96	24.0	96.0	48.0	192.0	258.3	300
	R*BD080L4A*	DLD144	24.0	144.0	48.0	288.0	362.0	400	DLB96	24.0	96.0	48.0	192.0	282.2	350
460V/3/60 Hz	R*BD030M4A*	DLD60	24.0	60.0	48.0	120.0	151.0	175	DLB35	15.0	35.0	30.0	70.0	109.0	125
	R*BD040M4A*	DLD60	24.0	60.0	48.0	120.0	151.0	175	DLB35	15.0	35.0	30.0	70.0	113.5	125
	R*BD050M4A*	DLD60	24.0	60.0	48.0	120.0	153.9	175	DLB35	15.0	35.0	30.0	70.0	129.3	150
	R*BD060M4A*	DLD60	24.0	60.0	48.0	120.0	163.2	200	DLB35	15.0	35.0	30.0	70.0	145.2	175
	R*BD070M4A*	DLD60	24.0	60.0	48.0	120.0	187.2	225	DLB35	15.0	35.0	30.0	70.0	169.2	200
	R*BD080M4A*	DLD60	24.0	60.0	48.0	120.0	227.4	250	DLB35	15.0	35.0	30.0	70.0	209.4	250
	R*BD100M4A*	DLD60	24.0	60.0	48.0	120.0	210.6	250	DLB35	15.0	35.0	30.0	70.0	192.6	250
	R*BD044L4A*	DLD60	24.0	60.0	48.0	120.0	151.0	175	DLB35	15.0	35.0	30.0	70.0	109.0	125
	R*BD054L4A*	DLD60	24.0	60.0	48.0	120.0	155.1	175	DLB35	15.0	35.0	30.0	70.0	131.5	150
	R*BD060L4A*	DLD60	24.0	60.0	48.0	120.0	159.5	175	DLB35	15.0	35.0	30.0	70.0	139.4	175
	R*BD080L4A*	DLD60	24.0	60.0	48.0	120.0	171.8	200	DLB35	15.0	35.0	30.0	70.0	153.8	200

* Each asterisk represents a variable character based upon model and voltage ordered. See page 3 for nomenclature.

ELECTRICAL SPECIFICATIONS

BITZER // PARALLEL COMPRESSOR MODELS

	Base Model No.	Comp. Model No.	Compressor			Cond. Fan		Control Amps	Air Defrost/Remote	
			RLA	MCC	LRA [^]	Total Fan FLA	QTY.		MCA	MOPD
208-230V/3/60 Hz	R*BP050M4A*	(2) 4HE-25	75.6	117.9	436.0	26.0	4	2.0	198.1	250
	R*BP060M4A*	(2) 4GE-30	89.7	139.9	294.0 [^]	26.0	4	2.0	229.8	300
	R*BP070M4A*	(2) 6HE-35	105.1	164.0	330.0 [^]	39.0	6	2.0	277.5	350
	R*BP080M4A*	(2) 6GE-40	141.0	220.0	420.0 [^]	39.0	6	2.0	358.3	450
	R*BP100M4A*	(2) 6FE-50	143.6	224.0	570.0 [^]	39.0	6	2.0	364.1	500
	R*BP044L4A*	(2) 4GE-23	57.7	90.0	352.0	13.0	2	2.0	144.8	200
	R*BP054L4A*	(2) 6HE-28	77.6	121.1	490.0	13.0	2	2.0	189.6	250
	R*BP060L4A*	(2) 6GE-34	84.6	132.0	294.0 [^]	13.0	2	2.0	205.4	250
	R*BP080L4A*	(2) 6FE-44	97.4	151.9	420.0 [^]	13.0	2	2.0	234.2	300
460V/3/60 Hz	R*BP050M4A*	(2) 4HE-25	37.8	59.0	218.0	13.2	4	1.0	99.3	125
	R*BP060M4A*	(2) 4GE-30	44.9	70.0	245.0	13.2	4	1.0	115.2	150
	R*BP070M4A*	(2) 6HE-35	52.6	82.1	275.0	19.8	6	1.0	139.2	175
	R*BP080M4A*	(2) 6GE-40	70.5	110.0	350.0	19.8	6	1.0	179.4	225
	R*BP100M4A*	(2) 6FE-50	71.8	112.0	425.0	19.8	6	1.0	182.4	250
	R*BP044L4A*	(2) 4GE-23	28.8	44.9	176.0	13.2	4	1.0	79.0	100
	R*BP054L4A*	(2) 6HE-28	38.8	60.5	245.0	13.2	4	1.0	101.5	125
	R*BP060L4A*	(2) 6GE-34	42.3	66.0	245.0	13.2	4	1.0	109.4	150
	R*BP080L4A*	(2) 6FE-44	48.7	76.0	350.0	13.2	4	1.0	123.8	150

[^] Model utilizes part winding start.

	Base Model No.	4 Contactor Defrost Kit					2 Contactor Defrost Kit				
		Kit Name	Fan Amps	Heater Amps	MCA	MOPD	Kit Name	Fan Amps	Heater Amps	MCA	MOPD
208-230V/3/60 Hz	R*BP050M4A*	DLD192	24.0	192.0	242.0	250	DLB96	24.0	96.0	222.1	250
	R*BP060M4A*	DLD192	24.0	192.0	253.8	300	DLB96	24.0	96.0	253.8	300
	R*BP070M4A*	DLD192	24.0	192.0	301.5	400	DLB96	24.0	96.0	301.5	400
	R*BP080M4A*	DLD192	24.0	192.0	382.3	500	DLB96	24.0	96.0	382.3	500
	R*BP100M4A*	DLD192	24.0	192.0	388.1	500	DLB96	24.0	96.0	388.1	500
	R*BP044L4A*	DLD96	24.0	96.0	168.8	225	DLB60	15.0	60.0	159.8	200
	R*BP054L4A*	DLD96	24.0	96.0	213.6	250	DLB96	24.0	96.0	213.6	250
	R*BP060L4A*	DLD144	24.0	144.0	229.4	300	DLB96	24.0	96.0	229.4	300
	R*BP080L4A*	DLD144	24.0	144.0	258.2	350	DLB96	24.0	96.0	258.2	350
460V/3/60 Hz	R*BP050M4A*	DLD96	24.0	96.0	123.3	150	DLB48	15.0	48.0	114.3	150
	R*BP060M4A*	DLD96	24.0	96.0	139.2	175	DLB48	15.0	48.0	130.2	175
	R*BP070M4A*	DLD96	24.0	96.0	163.2	200	DLB48	15.0	48.0	154.2	200
	R*BP080M4A*	DLD96	24.0	96.0	203.4	250	DLB48	15.0	48.0	194.4	250
	R*BP100M4A*	DLD96	24.0	96.0	206.4	250	DLB48	15.0	48.0	197.4	250
	R*BP044L4A*	DLD60	24.0	60.0	103.0	125	DLB48	15.0	48.0	94.0	110
	R*BP054L4A*	DLD60	24.0	60.0	125.5	150	DLB48	15.0	48.0	116.5	150
	R*BP060L4A*	DLD60	24.0	60.0	133.4	175	DLB48	15.0	48.0	124.4	150
	R*BP080L4A*	DLD60	24.0	60.0	147.8	175	DLB48	15.0	48.0	138.8	175

* Each asterisk represents a variable character based upon model and voltage ordered. See page 3 for nomenclature. [^] Model utilizes part winding start.

DEFROST KIT NOMENCLATURE

DL	A	24	PP
DL	Heater Contactor Qty.	Max Total Heater Amp Value	Special Kit Codes
Defrost Kit Large Condenser	A: 1 Heater Contactor B: 2 Heater Contactors C: 3 Heater Contactors D: 4 Heater Contactors	30 = 30 amps total 48 = 48 amps total	PP = Pressure Prop Kits for Large Evaporators "-1" # of Evaps with Multiple Heater Feeds

When selecting defrost kit, use the next higher amp value above the defrost load.
 All kits include 1 fan contactor and are suitable for 1 or 3 phase loads.
 Electrical resistance loads greater than 48 amps must be split into multiple circuits.

DEFROST KITS // ALL MODELS

Single and Parallel Compressor Kit Options			
1 Contactor	2 Contactor	3 Contactor	4 Contactor
NONE	DLB35	DLC35	DLD60
TMR ONLY	DLB40	DLC40	DLD96
DLA24	DLB48	DLC48	DLD144
DLA30	DLB60	DLC60	DLD144-2
DLA35	DLB60-1	DLC96	DLD192-2
DLA40	DLB96	DLC144	DLD144-2
DLA48	DLB96-1	DLC60PP	DLD192-2
DLA24PP	DLB35PP	DLC96PP	DLD144-2PP
DLA30PP	DLB40PP	DLC144PP	DLD192-2PP
DLA35PP	DLB48PP		
DLA40PP	DLB60PP		
DLA48PP	DLB60-1PP		
	DLB96PP		
	DLB96-1PP		

Defrost Kit selected for Single and Parallel compressor models is for entire unit.
 Up to 4 contactors.

Dual Compressor Kit Options	
1 Contactor	2 Contactor
NONE	DLB35
TMR ONLY	DLB40
DLA24	DLB48
DLA30	DLB60
DLA35	DLB60-1
DLA40	DLB96
DLA48	DLB96-1
DLA24PP	DLB35PP
DLA30PP	DLB40PP
DLA35PP	DLB48PP
DLA40PP	DLB60PP
DLA48PP	DLB60-1PP
	DLB96PP
	DLB96-1PP

Defrost Kit selected is per compressor for Dual compressor models.
 Up to 2 contactors/compressor.

SPECIFICATIONS // CONNECTIONS

SINGLE COMPRESSOR MODELS

Model No.	Comp. Model No.	HP	Cond. Fan Qty.	Connections (ODS)	
				Liquid	Suction^
R*DV015M4A*	3YS3R16ME	15	2	7/8	1-5/8
R*DV020M4A*	4YBNR19ME	20	2	7/8	2-1/8
R*DV025M4A*	4YHNR22ME	25	2	7/8	2-1/8
R*DV030M4A*	4YJNR27ME	30	2	1-1/8	2-1/8
R*DV035M4A*	6YHNR32ME	35	3	1-1/8	2-1/8
R*DV040M4A*	6YJNR39ME	40	3	1-1/8	2-1/8
R*DV050M4A*	6YUNR48ME	50	3	1-1/8	2-5/8
R*DV022L4A*	4YJNF59KE	22	2	7/8	2-1/8
R*DV027L4A*	6YHNF68KE	27	2	7/8	2-1/8
R*DV030L4A*	6YJNF84KE	30	2	7/8	2-1/8
R*DV040L4A*	6YUNF10ME	40	2	1-1/8	2-5/8

DUAL COMPRESSOR MODELS

Model No.	Comp. Model No.	HP	Cond. Fan Qty.	Connections (ODS)	
				Liquid	Suction^
R*DD030M4A*	(2) 3YS3R16ME	30	4	(2) 7/8	(2) 1-5/8
R*DD040M4A*	(2) 4YBNR19ME	40	4	(2) 7/8	(2) 2-1/8
R*DD050M4A*	(2) 4YHNR22ME	50	4	(2) 7/8	(2) 2-1/8
R*DD060M4A*	(2) 4YJNR27ME	60	4	(2) 1-1/8	(2) 2-1/8
R*DD070M4A*	(2) 6YHNR32ME	70	6	(2) 1-1/8	(2) 2-1/8
R*DD080M4A*	(2) 6YJNR39ME	80	6	(2) 1-1/8	(2) 2-1/8
R*DD100M4A*	(2) 6YUNR48ME	100	6	(2) 1-1/8	(2) 2-5/8
R*DD044L4A*	(2) 4YJNF59KE	44	4	(2) 7/8	(2) 2-1/8
R*DD054L4A*	(2) 6YHNF68KE	54	4	(2) 7/8	(2) 2-1/8
R*DD060L4A*	(2) 6YJNF84KE	60	4	(2) 7/8	(2) 2-1/8
R*DD080L4A*	(2) 6YUNF10ME	80	4	(2) 1-1/8	(2) 2-5/8

PARALLEL COMPRESSOR MODELS

Model No.	Comp. Model No.	HP	Cond. Fan Qty.	Connections (ODS)	
				Liquid	Suction^
R*DP050M4A*	(2) 4YHNR22ME	50	4	1-1/8	2-5/8
R*DP060M4A*	(2) 4YJNR27ME	60	4	1-3/8	2-5/8
R*DP070M4A*	(2) 6YHNR32ME	70	6	1-3/8	3-1/8
R*DP080M4A*	(2) 6YJNR39ME	80	6	1-5/8	3-1/8
R*DP100M4A*	(2) 6YUNR48ME	100	6	1-5/8	3-1/8
R*DP044L4A*	(2) 4YJNF59KE	44	4	1-1/8	3-1/8
R*DP054L4A*	(2) 6YHNF68KE	54	4	1-1/8	3-1/8
R*DP060L4A*	(2) 6YJNF84KE	60	4	1-1/8	3-1/8
R*DP080L4A*	(2) 6YUNF10ME	80	4	1-1/8	3-1/8

* Each asterisk represents a variable character based upon model and voltage ordered. See page 3 for nomenclature.

^ Connection size with or without factory installed liquid and/or suction line assembly

SPECIFICATIONS // RECEIVER CAPACITY

SINGLE COMPRESSOR MODELS

Model No.	R454A				R454C				R455A			
	Standard		Oversized		Standard		Oversized		Standard		Oversized	
	Flooded	Non-Flooded	Flooded	Non-Flooded	Flooded	Non-Flooded	Flooded	Non-Flooded	Flooded	Non-Flooded	Flooded	Non-Flooded
R*DV015M4A*	96	96	130	130	98	98	133	133	98	98	131	131
R*DV020M4A*	130	96	195	130	133	98	199	133	131	98	197	131
R*DV025M4A*	130	96	195	130	133	98	199	133	131	98	197	131
R*DV030M4A*	195	130	253	195	199	133	259	199	197	131	257	197
R*DV035M4A*	195	130	253	195	199	133	259	199	197	131	257	197
R*DV040M4A*	195	130	253	195	199	133	259	199	197	131	257	197
R*DV050M4A*	253	195	362	253	259	199	370	259	257	197	367	257
R*DV022L4A*	96	96	130	130	98	98	133	133	98	98	131	131
R*DV027L4A*	130	96	195	130	133	98	199	133	131	98	197	131
R*DV030L4A*	130	96	195	130	133	98	199	133	131	98	197	131
R*DV040L4A*	195	130	253	195	199	133	259	199	197	131	257	197

DUAL COMPRESSOR MODELS

Model No.	R454A				R454C				R455A			
	Standard		Oversized		Standard		Oversized		Standard		Oversized	
	Flooded	Non-Flooded	Flooded	Non-Flooded	Flooded	Non-Flooded	Flooded	Non-Flooded	Flooded	Non-Flooded	Flooded	Non-Flooded
R*DD030M4A*	(2) 96	(2) 96	(2) 130	(2) 130	(2) 98	(2) 98	(2) 133	(2) 133	(2) 98	(2) 98	(2) 131	(2) 131
R*DD040M4A*	(2) 130	(2) 96	(2) 195	(2) 130	(2) 133	(2) 98	(2) 199	(2) 133	(2) 131	(2) 98	(2) 197	(2) 131
R*DD050M4A*	(2) 130	(2) 96	(2) 195	(2) 130	(2) 133	(2) 98	(2) 199	(2) 133	(2) 131	(2) 98	(2) 197	(2) 131
R*DD060M4A*	(2) 195	(2) 130	(2) 253	(2) 195	(2) 199	(2) 133	(2) 259	(2) 199	(2) 197	(2) 131	(2) 257	(2) 197
R*DD070M4A*	(2) 195	(2) 130	(2) 253	(2) 195	(2) 199	(2) 133	(2) 259	(2) 199	(2) 197	(2) 131	(2) 257	(2) 197
R*DD080M4A*	(2) 195	(2) 130	(2) 253	(2) 195	(2) 199	(2) 133	(2) 259	(2) 199	(2) 197	(2) 131	(2) 257	(2) 197
R*DD100M4A*	(2) 253	(2) 195	(2) 362	(2) 253	(2) 259	(2) 199	(2) 370	(2) 259	(2) 257	(2) 197	(2) 367	(2) 257
R*DD044L4A*	(2) 96	(2) 96	(2) 130	(2) 130	(2) 98	(2) 98	(2) 133	(2) 133	(2) 98	(2) 98	(2) 131	(2) 131
R*DD054L4A*	(2) 130	(2) 96	(2) 195	(2) 130	(2) 133	(2) 98	(2) 199	(2) 133	(2) 131	(2) 98	(2) 197	(2) 131
R*DD060L4A*	(2) 130	(2) 96	(2) 195	(2) 130	(2) 133	(2) 98	(2) 199	(2) 133	(2) 131	(2) 98	(2) 197	(2) 131
R*DD080L4A*	(2) 195	(2) 130	(2) 253	(2) 195	(2) 199	(2) 133	(2) 259	(2) 199	(2) 197	(2) 131	(2) 257	(2) 197

PARALLEL COMPRESSOR MODELS

Model No.	R454A				R454C				R455A			
	Standard		Oversized		Standard		Oversized		Standard		Oversized	
	Flooded	Non-Flooded	Flooded	Non-Flooded	Flooded	Non-Flooded	Flooded	Non-Flooded	Flooded	Non-Flooded	Flooded	Non-Flooded
R*DP050M4A*	-	-	-	-	259	133	370	259	257	131	367	257
R*DP060M4A*	-	-	-	-	259	199	370	259	257	197	367	257
R*DP070M4A*	-	-	-	-	370	259	495	370	367	257	490	367
R*DP080M4A*	-	-	-	-	370	259	495	370	367	257	490	367
R*DP100M4A*	-	-	-	-	370	259	495	370	367	257	490	367
R*DP044L4A*	-	-	-	-	199	133	259	199	197	131	257	197
R*DP054L4A*	-	-	-	-	259	199	370	259	257	197	367	257
R*DP060L4A*	-	-	-	-	259	199	370	259	257	197	367	257
R*DP080L4A*	-	-	-	-	370	259	495	370	367	257	490	367

* Each asterisk represents a variable character based upon model and voltage ordered. See page 3 for nomenclature.

^ Connection size with or without factory installed liquid and/or suction line assembly

† Parallel compressor models not available in R454A.

SPECIFICATIONS // PHYSICAL DATA

SINGLE COMPRESSOR MODELS

Model No.	Comp. Model No.	Fans Long	Dimensions (In.)			Approx. Ship Wt. (Lbs.)	Sound Data dBA [†]
			H	W	L		
R*DV015M4A*	3YS3R16ME	2	58-1/8	45-3/8	159-1/4	1,875	71.9
R*DV020M4A*	4YBNR19ME	2	58-1/8	45-3/8	159-1/4	1,940	71.9
R*DV025M4A*	4YHNR22ME	2	58-1/8	45-3/8	159-1/4	1,940	71.9
R*DV030M4A*	4YJNR27ME	2	58-1/8	45-3/8	159-1/4	1,940	71.9
R*DV035M4A*	6YHNR32ME	3	58-1/8	45-3/8	207-1/4	2,440	74.9
R*DV040M4A*	6YJNR39ME	3	58-1/8	45-3/8	207-1/4	2,440	74.9
R*DV050M4A*	6YUNR48ME	3	58-1/8	45-3/8	207-1/4	2,540	74.9
R*DV022L4A*	4YJNF59KE	2	58-1/8	45-3/8	159-1/4	1,940	71.9
R*DV027L4A*	6YHNF68KE	2	58-1/8	45-3/8	159-1/4	2,040	71.9
R*DV030L4A*	6YJNF84KE	2	58-1/8	45-3/8	159-1/4	2,040	71.9
R*DV040L4A*	6YUNF10ME	2	58-1/8	45-3/8	159-1/4	2,040	71.9

DUAL COMPRESSOR MODELS

Model No.	Comp. Model No.	Fans Long	Dimensions (In.)			Approx. Ship Wt. (Lbs.)	Sound Data dBA [†]
			H	W	L		
R*DD030M4A*	(2) 3YS3R16ME	2	58-1/8	90-7/8	159-1/4	3,660	78.4
R*DD040M4A*	(2) 4YBNR19ME	2	58-1/8	90-7/8	159-1/4	3,780	78.4
R*DD050M4A*	(2) 4YHNR22ME	2	58-1/8	90-7/8	159-1/4	3,780	78.4
R*DD060M4A*	(2) 4YJNR27ME	2	58-1/8	90-7/8	159-1/4	3,780	78.4
R*DD070M4A*	(2) 6YHNR32ME	3	58-1/8	90-7/8	207-1/4	4,760	80.2
R*DD080M4A*	(2) 6YJNR39ME	3	58-1/8	90-7/8	207-1/4	4,760	80.2
R*DD100M4A*	(2) 6YUNR48ME	3	58-1/8	90-7/8	207-1/4	4,950	80.2
R*DD044L4A*	(2) 4YJNF59KE	2	58-1/8	90-7/8	159-1/4	3,780	78.4
R*DD054L4A*	(2) 6YHNF68KE	2	58-1/8	90-7/8	159-1/4	3,980	78.4
R*DD060L4A*	(2) 6YJNF84KE	2	58-1/8	90-7/8	159-1/4	3,980	78.4
R*DD080L4A*	(2) 6YUNF10ME	2	58-1/8	90-7/8	159-1/4	3,980	78.4

PARALLEL COMPRESSOR MODELS

Model No.	Comp. Model No.	Fans Long	Dimensions (In.)			Approx. Ship Wt. (Lbs.)	Sound Data dBA [†]
			H	W	L		
R*DP050M4A*	(2) 4YHNR22ME	2	58-1/8	90-7/8	159-1/4	3,720	78.4
R*DP060M4A*	(2) 4YJNR27ME	2	58-1/8	90-7/8	159-1/4	3,720	78.4
R*DP070M4A*	(2) 6YHNR32ME	3	58-1/8	90-7/8	207-1/4	4,680	80.2
R*DP080M4A*	(2) 6YJNR39ME	3	58-1/8	90-7/8	207-1/4	4,680	80.2
R*DP100M4A*	(2) 6YUNR48ME	3	58-1/8	90-7/8	207-1/4	4,880	80.2
R*DP044L4A*	(2) 4YJNF59KE	2	58-1/8	90-7/8	159-1/4	3,720	78.4
R*DP054L4A*	(2) 6YHNF68KE	2	58-1/8	90-7/8	159-1/4	3,920	78.4
R*DP060L4A*	(2) 6YJNF84KE	2	58-1/8	90-7/8	159-1/4	3,920	78.4
R*DP080L4A*	(2) 6YUNF10ME	2	58-1/8	90-7/8	159-1/4	3,920	78.4

* Each asterisk represents a variable character based upon model and voltage ordered. See page 3 for nomenclature.

[†] Estimated dBA values at 10 feet from the unit. Correction factors: Deduct 6 dBA for 20 to 40 feet, 12 dBA @ 40 to 60 feet.

Ratings at the outlet of the discharge air. The actual measurements may vary depending upon installation variables.

Environmental factors may have a significant influence on this data.

See page 25 for dimensional drawings.

DIMENSIONAL DRAWINGS

Figure 1: Single Compressor

Single Compressor Width

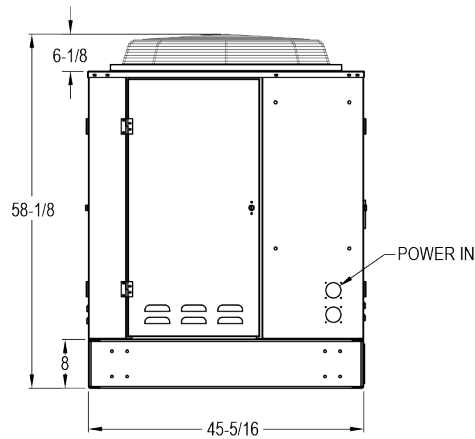
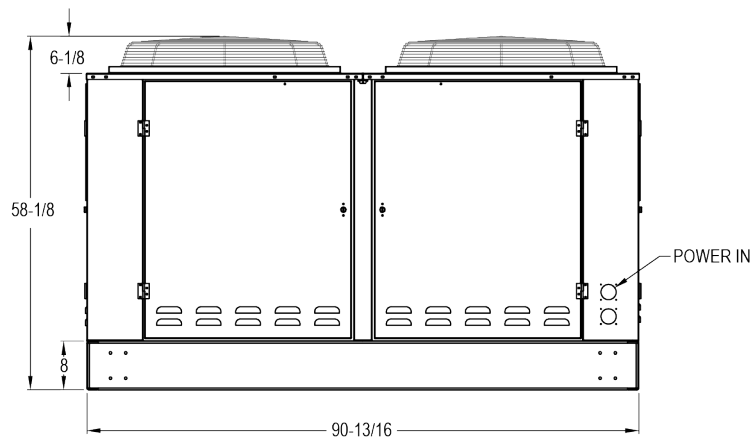


Figure 2: Dual and Parallel Compressor

Dual and Parallel Compressor Width



All dimensions are in inches.
Utilize all lifting points during installation.
Refrigerant connections located on each side for Dual models.

DIMENSIONAL DRAWINGS

Figure 3: 2 Fan

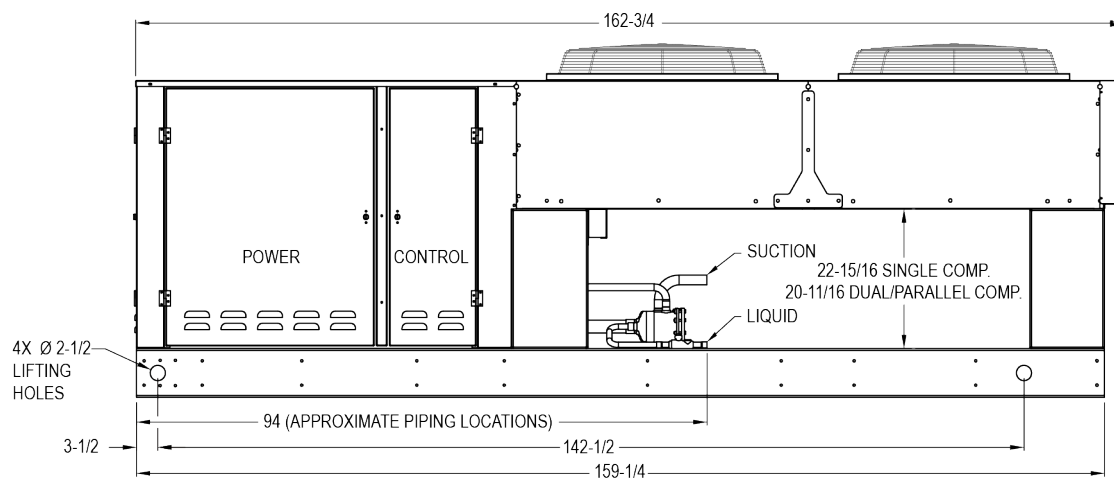
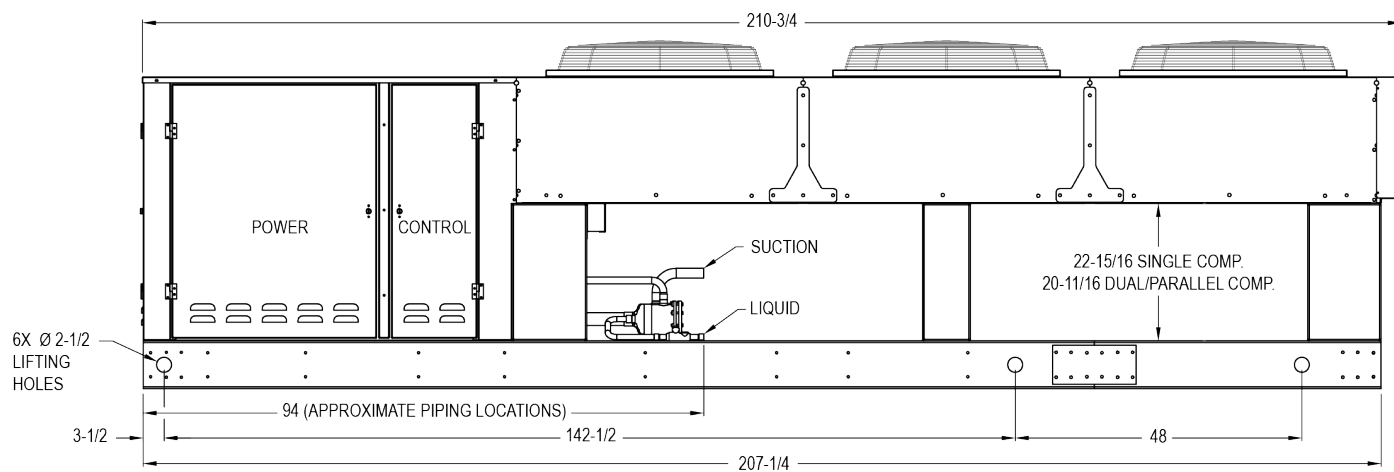


Figure 4: 3 Fan



All dimensions are in inches.
Utilize all lifting points during installation.
Refrigerant connections located on each side for Dual models.

DEPARTMENT OF ENERGY ANNUAL WALK-IN ENERGY FACTOR (AWEF) ^ RATINGS

Base Model Number		AWEF
Medium Temperature Models	R*BV015M4A*	7.6
	R*BV020M4A*	7.6
	R*BV025M4A*	7.6
	R*BV030M4A*	7.6
	R*BV035M4A*	7.6
	R*BV040M4A*	7.6
	R*BV050M4A*	7.6

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

Base Model Number		AWEF
Low Temperature Models	R*BV022L4A*	3.15
	R*BV027L4A*	3.15
	R*BV030L4A*	3.15

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

NOMINAL COMPRESSOR HP

Single Compressor	Dual Piping	Parallel Piping
15 HP	30 (2) 15 HP	-
20 HP	40 (2) 20 HP	-
22 HP	44 (2) 22 HP	44 (2) 22 HP
25 HP	50 (2) 25 HP	50 (2) 25 HP
27 HP	54 (2) 27 HP	54 (2) 27 HP
30 HP	60 (2) 30 HP	60 (2) 30 HP
35 HP	70 (2) 35 HP	70 (2) 35 HP
40 HP	80 (2) 40 HP	80 (2) 40 HP
50 HP	100 (2) 50 HP	100 (2) 50 HP

^ Larger HP Single QV Series and Parallel Compressor models are not intended for use in walk-in coolers and freezers less than 3,000 sq. feet thus are outside of the scope of this DOE regulation.
 Dual Compressor models serve more than one refrigerated load thus are outside (exempt) of the scope of this DOE regulation.





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