

KRAMER

A2L

QV SERIES

15 TO 100 HP AIR-COOLED
CONDENSING UNITS
with Copeland Discus™ Compressors



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		KF Flooded Models	KB 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	Copeland Discus™ 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 CONTINUED

● Standard ○ Optional ⊖ Not Available

DESCRIPTION		KF Flooded Models	KB 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

K	F	D	V	030	M	4A	G
Brand	Model Style	Compressor Type	Configuration	Horsepower	Temperature Range	Refrigerant Class	Voltage [^]
K = Kramer	B = Non-Flooded F = Flooded	D = Copeland Discus	V = Single Compressor D = Dual Piping P = Parallel Piping	030 = 30 HP	M = Medium Temp. L = Low Temp.	4A = R-454A R-454C 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 DISCUS // SINGLE COMPRESSOR // 60 HZ†

Ambient Temp. (°F)	Model No.	Comp. Model No.	Suction Temperature (°F)											
			45°	40°	35°	30°	25°	20°	15°	10°	5°	0°	-5°	-10°
90°	K*DV015M4A*	3YS3R16ME	196,960	181,400	166,770	152,850	139,480	126,820	115,190	104,000	93,430	83,660	74,360	65,300
	K*DV020M4A*	4YBNR19ME	249,570	229,420	210,290	192,140	174,930	158,630	143,430	129,050	115,430	103,540	91,140	79,620
	K*DV025M4A*	4YHNR22ME	280,500	258,770	237,880	217,770	198,730	180,470	163,480	147,400	132,180	117,860	104,490	92,160
	K*DV030M4A*	4YJNR27ME	342,140	316,180	290,490	266,180	243,090	221,230	200,520	180,920	162,150	144,920	128,500	113,410
	K*DV035M4A*	6YHNR32ME	421,110	388,230	355,710	325,150	296,160	269,000	243,370	219,320	196,780	176,580	155,810	138,590
	K*DV040M4A*	6YJNR39ME	498,820	460,590	424,020	388,720	354,920	323,440	293,420	265,090	238,430	213,680	189,570	168,170
	K*DV050M4A*	6YUNR48ME	606,040	558,220	511,870	467,160	425,210	385,370	348,150	313,020	280,140	249,900	220,810	194,850
95°	K*DV015M4A*	3YS3R16ME	188,550	174,150	160,160	146,590	134,060	122,050	110,660	100,050	89,950	80,340	71,210	63,140
	K*DV020M4A*	4YBNR19ME	239,440	220,370	202,070	184,710	168,060	152,520	137,890	124,170	111,200	99,180	87,820	77,670
	K*DV025M4A*	4YHNR22ME	269,150	248,540	228,430	209,130	190,780	173,610	157,090	141,650	127,210	113,360	100,650	88,790
	K*DV030M4A*	4YJNR27ME	328,020	302,980	279,150	255,810	233,660	212,750	192,550	173,840	156,010	139,580	123,780	109,290
	K*DV035M4A*	6YHNR32ME	404,400	372,190	341,650	312,460	284,530	258,610	233,970	211,070	189,450	168,950	150,130	133,100
	K*DV040M4A*	6YJNR39ME	478,450	441,860	406,840	373,240	340,860	310,850	281,950	254,670	227,890	205,670	183,210	162,230
	K*DV050M4A*	6YUNR48ME	583,190	536,590	490,990	449,300	409,000	370,620	334,890	301,380	269,830	240,460	212,900	188,190
100°	K*DV015M4A*	3YS3R16ME	-	166,830	153,260	140,760	128,590	116,870	106,160	95,960	86,310	77,230	68,600	60,930
	K*DV020M4A*	4YBNR19ME	-	211,260	193,910	177,160	161,330	146,300	132,280	119,220	107,000	95,080	84,170	74,450
	K*DV025M4A*	4YHNR22ME	-	237,890	218,960	200,630	183,040	166,360	150,730	136,050	121,890	109,330	96,920	85,630
	K*DV030M4A*	4YJNR27ME	-	290,310	267,410	245,030	223,990	203,920	184,760	167,050	149,850	133,970	119,050	105,170
	K*DV035M4A*	6YHNR32ME	-	356,690	327,590	299,600	272,760	247,910	224,660	202,650	181,910	162,650	144,500	128,260
	K*DV040M4A*	6YJNR39ME	-	423,230	389,960	357,270	326,710	298,170	270,890	245,230	221,050	197,680	176,770	157,100
	K*DV050M4A*	6YUNR48ME	-	515,000	471,950	431,040	392,290	355,610	321,150	289,200	259,310	231,070	205,370	181,750
110°	K*DV015M4A*	3YS3R16ME	-	-	139,520	128,050	116,970	106,930	97,040	87,900	79,230	71,260	63,840	57,000
	K*DV020M4A*	4YBNR19ME	-	-	177,160	161,790	147,350	133,820	120,690	108,300	96,220	85,590	75,270	65,630
	K*DV025M4A*	4YHNR22ME	-	-	199,680	182,920	167,090	152,060	137,790	124,450	111,720	99,670	88,430	77,950
	K*DV030M4A*	4YJNR27ME	-	-	243,350	223,560	204,500	186,080	169,150	153,020	137,750	123,490	110,190	97,840
	K*DV035M4A*	6YHNR32ME	-	-	298,570	272,970	249,090	226,880	205,140	185,390	166,570	149,700	133,350	118,540
	K*DV040M4A*	6YJNR39ME	-	-	354,720	326,130	298,390	272,540	247,870	224,720	202,990	182,800	164,010	146,680
	K*DV050M4A*	6YUNR48ME	-	-	432,030	394,660	359,250	326,150	294,420	265,120	237,050	211,030	186,870	164,540

Head fan required. Additional Compressor Cooling Recommended†

* 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.

† See page 16 for Additional Compressor Cooling Graph.

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

CAPACITY DATA (BTUH)

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

Ambient Temp. (°F)	Model No.	Comp. Model No.	Suction Temperature (°F)											
			45°	40°	35°	30°	25°	20°	15°	10°	5°	0°	-5°	-10°
90°	K*DV015M4A*	3YS3R16ME	169,650	156,210	143,290	130,940	119,340	108,190	97,720	87,910	79,010	70,460	62,220	54,480
	K*DV020M4A*	4YBNR19ME	214,030	196,640	180,000	164,100	149,090	134,910	121,740	109,160	97,360	86,720	76,530	66,630
	K*DV025M4A*	4YHNR22ME	242,250	222,720	204,050	186,710	169,820	154,160	139,290	125,030	112,180	99,870	88,280	77,020
	K*DV030M4A*	4YJNR27ME	295,880	272,750	250,420	228,880	208,760	189,530	171,550	154,360	138,290	123,220	108,790	95,230
	K*DV035M4A*	6YHNR32ME	362,890	333,110	304,750	278,070	252,540	228,610	206,320	185,510	166,170	147,550	130,610	115,620
	K*DV040M4A*	6YJNR39ME	430,030	395,980	364,110	333,270	304,410	276,970	251,210	226,620	203,620	181,870	161,220	141,500
	K*DV050M4A*	6YUNR48ME	529,300	485,080	442,730	403,340	366,370	331,330	298,740	267,530	239,570	213,000	187,260	165,990
95°	K*DV015M4A*	3YS3R16ME	162,350	149,580	137,250	125,680	114,420	103,720	93,920	84,450	75,960	67,560	59,550	52,440
	K*DV020M4A*	4YBNR19ME	205,390	188,810	172,700	157,440	143,220	129,430	116,860	104,830	94,020	83,410	73,440	64,080
	K*DV025M4A*	4YHNR22ME	232,140	213,630	195,940	179,010	163,190	147,980	133,710	120,340	107,700	95,900	84,670	74,690
	K*DV030M4A*	4YJNR27ME	283,300	261,280	239,890	219,460	200,280	181,830	164,480	148,570	133,060	118,450	104,560	92,300
	K*DV035M4A*	6YHNR32ME	347,840	319,430	292,760	266,570	241,090	218,100	197,930	177,830	159,710	141,850	126,760	112,760
	K*DV040M4A*	6YJNR39ME	411,850	380,190	349,230	320,260	292,200	265,770	240,950	215,340	195,400	174,790	154,670	135,810
	K*DV050M4A*	6YUNR48ME	507,910	465,970	425,700	387,630	351,750	318,010	286,650	256,810	229,930	203,890	179,550	158,700
100°	K*DV015M4A*	3YS3R16ME	-	142,990	131,510	120,010	109,600	99,330	89,880	80,780	72,480	64,930	57,500	50,790
	K*DV020M4A*	4YBNR19ME	-	180,750	165,550	150,790	137,310	124,100	112,210	100,590	90,080	80,020	70,520	62,290
	K*DV025M4A*	4YHNR22ME	-	204,620	187,650	171,420	156,210	141,850	128,270	115,240	103,380	92,010	81,340	71,850
	K*DV030M4A*	4YJNR27ME	-	250,320	229,610	210,300	191,810	174,120	157,940	142,080	127,720	113,570	100,470	88,640
	K*DV035M4A*	6YHNR32ME	-	305,550	279,600	255,100	231,830	209,990	189,370	170,320	152,820	136,110	120,390	106,750
	K*DV040M4A*	6YJNR39ME	-	363,170	334,000	306,260	279,750	254,640	230,840	208,430	187,440	167,950	149,390	132,480
	K*DV050M4A*	6YUNR48ME	-	446,750	408,110	371,180	337,130	304,980	274,860	246,750	220,600	194,430	171,680	151,640
110°	K*DV015M4A*	3YS3R16ME	-	-	119,360	109,130	99,400	90,500	81,820	73,980	66,280	59,410	52,610	46,760
	K*DV020M4A*	4YBNR19ME	-	-	150,840	137,540	125,070	113,110	102,120	91,700	82,180	72,860	64,390	56,830
	K*DV025M4A*	4YHNR22ME	-	-	170,770	156,230	142,200	129,390	116,790	105,070	94,460	84,230	74,440	65,940
	K*DV030M4A*	4YJNR27ME	-	-	209,100	191,180	174,340	158,770	143,790	129,530	116,400	104,010	91,870	81,350
	K*DV035M4A*	6YHNR32ME	-	-	253,890	231,440	210,730	190,610	172,480	155,450	139,550	124,770	111,560	99,530
	K*DV040M4A*	6YJNR39ME	-	-	303,420	278,240	254,360	231,530	210,490	190,280	171,630	154,100	137,070	122,300
	K*DV050M4A*	6YUNR48ME	-	-	372,610	339,330	307,530	278,150	250,240	224,750	200,520	178,440	158,140	139,700

Head fan required.

Additional Compressor Cooling Recommended†

* 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.

† See page 16 for Additional Compressor Cooling Graph.

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

CAPACITY DATA (BTUH)

MEDIUM TEMPERATURE R455A DISCUS // SINGLE COMPRESSOR // 60 HZ[‡]

Ambient Temp. (°F)	Model No.	Comp. Model No.	Suction Temperature (°F)											
			45°	40°	35°	30°	25°	20°	15°	10°	5°	0°	-5°	-10°
90°	K*DV015M4A*	3YS3R16ME	178,260	164,310	150,700	137,960	125,660	114,320	103,270	92,910	83,240	73,880	65,220	57,160
	K*DV020M4A*	4YBNR19ME	223,660	205,380	187,630	170,960	155,360	140,510	126,230	113,250	100,770	89,460	78,480	68,380
	K*DV025M4A*	4YHNR22ME	252,480	232,590	212,940	194,520	176,840	160,240	144,540	129,860	115,870	102,990	90,630	79,060
	K*DV030M4A*	4YJNR27ME	308,700	283,940	260,550	238,400	216,870	197,100	177,840	159,750	142,750	126,920	111,610	97,330
	K*DV035M4A*	6YHNR32ME	376,460	346,210	316,740	288,740	262,020	237,300	214,150	192,020	171,200	152,320	134,150	117,500
	K*DV040M4A*	6YJNR39ME	448,120	413,700	379,010	346,030	315,720	286,910	259,510	234,410	209,900	187,030	165,220	144,680
	K*DV050M4A*	6YUNR48ME	550,900	504,940	460,970	419,670	380,490	343,210	308,050	276,360	245,820	217,500	191,450	166,420
95°	K*DV015M4A*	3YS3R16ME	170,880	157,390	144,420	132,420	120,680	109,710	99,100	89,440	80,130	71,060	62,780	55,040
	K*DV020M4A*	4YBNR19ME	214,490	196,810	179,610	163,900	148,220	134,890	121,100	108,520	96,530	85,910	75,320	65,410
	K*DV025M4A*	4YHNR22ME	241,880	222,610	204,120	186,560	168,830	153,970	138,420	124,480	111,200	98,810	86,880	75,860
	K*DV030M4A*	4YJNR27ME	295,400	272,060	249,610	228,240	208,160	188,960	170,430	153,220	136,970	121,790	107,210	93,680
	K*DV035M4A*	6YHNR32ME	361,090	331,000	302,640	276,230	251,220	227,800	205,220	184,050	164,310	146,180	129,090	113,150
	K*DV040M4A*	6YJNR39ME	429,600	395,370	363,200	332,210	302,630	275,080	248,770	224,790	201,470	179,870	159,000	139,620
	K*DV050M4A*	6YUNR48ME	528,840	484,310	442,530	402,360	365,100	329,470	295,520	265,160	236,370	209,080	183,260	159,360
100°	K*DV015M4A*	3YS3R16ME	-	148,760	136,400	124,520	113,460	102,880	93,040	84,010	75,360	67,070	59,100	51,830
	K*DV020M4A*	4YBNR19ME	-	188,240	172,030	157,060	141,890	128,830	115,850	104,000	92,470	81,950	71,960	62,700
	K*DV025M4A*	4YHNR22ME	-	213,060	195,110	178,230	161,600	146,890	132,570	119,210	106,510	94,700	83,280	72,830
	K*DV030M4A*	4YJNR27ME	-	259,960	238,530	218,670	198,940	180,990	163,230	146,870	131,170	116,810	102,880	89,840
	K*DV035M4A*	6YHNR32ME	-	316,480	289,320	264,130	240,490	217,780	196,170	176,210	157,260	140,230	123,620	108,900
	K*DV040M4A*	6YJNR39ME	-	377,720	346,610	317,070	289,620	263,160	238,380	215,400	193,200	172,540	152,800	134,320
	K*DV050M4A*	6YUNR48ME	-	464,320	424,400	385,570	349,600	315,560	282,880	253,930	225,410	200,200	175,830	152,700
110°	K*DV015M4A*	3YS3R16ME	-	-	123,700	112,880	102,830	93,330	84,470	76,090	68,430	60,990	54,150	48,200
	K*DV020M4A*	4YBNR19ME	-	-	156,710	143,000	129,050	116,800	105,350	94,540	84,130	74,570	65,750	57,500
	K*DV025M4A*	4YHNR22ME	-	-	177,460	161,880	146,970	133,720	120,740	108,640	97,370	86,390	76,230	67,180
	K*DV030M4A*	4YJNR27ME	-	-	217,030	198,690	181,050	164,400	148,350	133,980	119,520	106,630	94,170	82,790
	K*DV035M4A*	6YHNR32ME	-	-	262,510	239,460	217,240	197,610	178,040	160,040	143,090	127,770	113,500	100,880
	K*DV040M4A*	6YJNR39ME	-	-	314,680	288,140	262,960	238,980	217,130	196,690	176,310	157,590	140,360	123,910
	K*DV050M4A*	6YUNR48ME	-	-	387,030	352,060	318,340	286,830	257,420	230,900	206,070	181,830	159,620	140,350

Head fan required.

Additional Compressor Cooling Recommended[†]

* 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.

[†] See page 16 for Additional Compressor Cooling Graph.[‡] Multiply capacity by .83 when used with 50 Hz power.

CAPACITY DATA (BTUH)

MEDIUM TEMPERATURE R454A DISCUS // DUAL COMPRESSOR // 60 HZ[‡]

Ambient Temp. (°F)	Model No.	Comp. Model No.	Suction Temperature (°F)											
			45°	40°	35°	30°	25°	20°	15°	10°	5°	0°	-5°	-10°
90°	K*DD030M4A*	(2) 3YS3R16ME	393,920	362,790	333,540	305,690	278,960	253,630	230,380	208,000	186,860	167,310	148,710	130,600
	K*DD040M4A*	(2) 4YBNR19ME	499,140	458,830	420,580	384,280	349,860	317,260	286,850	258,090	230,850	207,070	182,280	159,240
	K*DD050M4A*	(2) 4YHNR22ME	560,990	517,530	475,760	435,530	397,450	360,940	326,960	294,790	264,360	235,710	208,980	184,320
	K*DD060M4A*	(2) 4YJNR27ME	684,280	632,360	580,980	532,360	486,180	442,460	401,030	361,830	324,290	289,840	256,990	226,820
	K*DD070M4A*	(2) 6YHNR32ME	842,210	776,460	711,420	650,290	592,320	538,000	486,730	438,630	393,550	353,150	311,620	277,170
	K*DD080M4A*	(2) 6YJNR39ME	997,630	921,170	848,040	777,440	709,830	646,870	586,840	530,170	476,860	427,350	379,130	336,340
	K*DD100M4A*	(2) 6YUNR48ME	1,212,070	1,116,430	1,023,740	934,320	850,410	770,740	696,300	626,030	560,280	499,800	441,610	389,690
95°	K*DD030M4A*	(2) 3YS3R16ME	377,100	348,290	320,310	293,170	268,110	244,100	221,310	200,100	179,890	160,680	142,420	126,270
	K*DD040M4A*	(2) 4YBNR19ME	478,870	440,740	404,130	369,420	336,120	305,040	275,780	248,330	222,390	198,360	175,630	155,330
	K*DD050M4A*	(2) 4YHNR22ME	538,300	497,070	456,860	418,260	381,550	347,220	314,180	283,290	254,420	226,720	201,290	177,570
	K*DD060M4A*	(2) 4YJNR27ME	656,040	605,950	558,290	511,620	467,320	425,500	385,100	347,670	312,010	279,160	247,550	218,570
	K*DD070M4A*	(2) 6YHNR32ME	808,800	744,380	683,300	624,910	569,050	517,220	467,940	422,130	378,890	337,890	300,250	266,200
	K*DD080M4A*	(2) 6YJNR39ME	956,890	883,720	813,670	746,480	681,720	621,690	563,890	509,330	455,780	411,340	366,410	324,460
	K*DD100M4A*	(2) 6YUNR48ME	1,166,380	1,073,170	981,980	898,600	818,000	741,240	669,770	602,760	539,660	480,910	425,800	376,370
100°	K*DD030M4A*	(2) 3YS3R16ME	-	333,650	306,510	281,510	257,170	233,740	212,310	191,910	172,610	154,460	137,200	121,850
	K*DD040M4A*	(2) 4YBNR19ME	-	422,510	387,820	354,310	322,650	292,590	264,550	238,440	213,990	190,160	168,340	148,900
	K*DD050M4A*	(2) 4YHNR22ME	-	475,780	437,910	401,250	366,070	332,720	301,460	272,100	243,780	218,650	193,840	171,250
	K*DD060M4A*	(2) 4YJNR27ME	-	580,620	534,820	490,050	447,980	407,840	369,510	334,090	299,690	267,930	238,100	210,340
	K*DD070M4A*	(2) 6YHNR32ME	-	713,380	655,170	599,200	545,520	495,820	449,310	405,300	363,810	325,300	288,990	256,510
	K*DD080M4A*	(2) 6YJNR39ME	-	846,460	779,910	714,530	653,410	596,340	541,770	490,460	442,090	395,350	353,540	314,200
	K*DD100M4A*	(2) 6YUNR48ME	-	1,029,990	943,900	862,070	784,580	711,220	642,290	578,390	518,610	462,140	410,740	363,490
110°	K*DD030M4A*	(2) 3YS3R16ME	-	-	279,040	256,100	233,930	213,860	194,070	175,800	158,460	142,520	127,670	113,990
	K*DD040M4A*	(2) 4YBNR19ME	-	-	354,310	323,570	294,690	267,640	241,370	216,600	192,440	171,180	150,530	131,250
	K*DD050M4A*	(2) 4YHNR22ME	-	-	399,360	365,840	334,170	304,120	275,570	248,900	223,440	199,330	176,860	155,900
	K*DD060M4A*	(2) 4YJNR27ME	-	-	486,700	447,110	409,000	372,160	338,290	306,040	275,500	246,970	220,370	195,670
	K*DD070M4A*	(2) 6YHNR32ME	-	-	597,140	545,940	498,170	453,750	410,280	370,770	333,140	299,400	266,690	237,070
	K*DD080M4A*	(2) 6YJNR39ME	-	-	709,430	652,250	596,780	545,070	495,740	449,440	405,980	365,590	328,020	293,360
	K*DD100M4A*	(2) 6YUNR48ME	-	-	864,060	789,310	718,490	652,300	588,830	530,240	474,090	422,060	373,730	329,080

Head fan required. Additional Compressor Cooling Recommended[†]

* 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.

[†] See page 16 for Additional Compressor Cooling Graph.

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

CAPACITY DATA (BTUH)

MEDIUM TEMPERATURE R454C DISCUS // DUAL COMPRESSOR // 60 HZ†

Ambient Temp. (°F)	Model No.	Comp. Model No.	Suction Temperature (°F)											
			45°	40°	35°	30°	25°	20°	15°	10°	5°	0°	-5°	-10°
90°	K*DD030M4A*	(2) 3YS3R16ME	339,290	312,420	286,580	261,870	238,670	216,370	195,440	175,810	158,020	140,910	124,440	108,960
	K*DD040M4A*	(2) 4YBNR19ME	428,050	393,270	360,000	328,190	298,170	269,820	243,480	218,310	194,710	173,430	153,060	133,260
	K*DD050M4A*	(2) 4YHNR22ME	484,500	445,430	408,100	373,420	339,630	308,320	278,570	250,050	224,360	199,740	176,550	154,030
	K*DD060M4A*	(2) 4YJNR27ME	591,750	545,490	500,840	457,760	417,510	379,050	343,100	308,710	276,570	246,440	217,580	190,450
	K*DD070M4A*	(2) 6YHNR32ME	725,780	666,220	609,500	556,140	505,070	457,220	412,630	371,020	332,340	295,090	261,220	231,230
	K*DD080M4A*	(2) 6YJNR39ME	860,050	791,950	728,220	666,540	608,820	553,940	502,420	453,240	407,240	363,740	322,430	283,000
	K*DD100M4A*	(2) 6YUNR48ME	1,058,600	970,160	885,460	806,670	732,730	662,660	597,470	535,060	479,130	426,000	374,510	331,980
95°	K*DD030M4A*	(2) 3YS3R16ME	324,700	299,160	274,500	251,360	228,830	207,430	187,830	168,890	151,910	135,120	119,090	104,880
	K*DD040M4A*	(2) 4YBNR19ME	410,770	377,620	345,390	314,870	286,440	258,860	233,710	209,660	188,040	166,820	146,880	128,150
	K*DD050M4A*	(2) 4YHNR22ME	464,270	427,250	391,870	358,010	326,370	295,960	267,420	240,680	215,400	191,800	169,340	149,370
	K*DD060M4A*	(2) 4YJNR27ME	566,600	522,550	479,770	438,910	400,550	363,650	328,960	297,140	266,110	236,890	209,120	184,600
	K*DD070M4A*	(2) 6YHNR32ME	695,670	638,860	585,520	533,140	482,180	436,200	395,850	355,660	319,410	283,700	253,510	225,520
	K*DD080M4A*	(2) 6YJNR39ME	823,700	760,370	698,450	640,520	584,400	531,530	481,900	430,670	390,800	349,570	309,330	271,620
	K*DD100M4A*	(2) 6YUNR48ME	1,015,810	931,940	851,400	775,250	703,490	636,010	573,290	513,620	459,860	407,780	359,090	317,390
100°	K*DD030M4A*	(2) 3YS3R16ME	-	285,980	263,010	240,020	219,200	198,650	179,760	161,560	144,950	129,860	114,990	101,570
	K*DD040M4A*	(2) 4YBNR19ME	-	361,490	331,090	301,580	274,610	248,200	224,410	201,170	180,150	160,030	141,030	124,570
	K*DD050M4A*	(2) 4YHNR22ME	-	409,230	375,290	342,830	312,410	283,700	256,530	230,480	206,760	184,010	162,670	143,690
	K*DD060M4A*	(2) 4YJNR27ME	-	500,630	459,210	420,590	383,610	348,230	315,870	284,160	255,430	227,140	200,940	177,280
	K*DD070M4A*	(2) 6YHNR32ME	-	611,100	559,200	510,190	463,660	419,970	378,730	340,640	305,630	272,220	240,770	213,500
	K*DD080M4A*	(2) 6YJNR39ME	-	726,330	668,000	612,520	559,490	509,270	461,680	416,850	374,880	335,890	298,770	264,960
	K*DD100M4A*	(2) YUNR48ME	-	893,500	816,210	742,360	674,260	609,950	549,720	493,490	441,200	388,850	343,350	303,280
110°	K*DD030M4A*	(2) 3YS3R16ME	-	-	238,710	218,260	198,800	181,000	163,630	147,950	132,560	118,820	105,210	93,510
	K*DD040M4A*	(2) 4YBNR19ME	-	-	301,680	275,070	250,130	226,210	204,240	183,400	164,350	145,710	128,780	113,650
	K*DD050M4A*	(2) 4YHNR22ME	-	-	341,540	312,450	284,390	258,770	233,570	210,140	188,910	168,460	148,870	131,870
	K*DD060M4A*	(2) 4YJNR27ME	-	-	418,200	382,360	348,680	317,540	287,570	259,050	232,790	208,010	183,740	162,690
	K*DD070M4A*	(2) 6YHNR32ME	-	-	507,770	462,880	421,450	381,220	344,950	310,900	279,090	249,530	223,120	199,060
	K*DD080M4A*	(2) 6YJNR39ME	-	-	606,840	556,480	508,720	463,060	420,970	380,560	343,260	308,200	274,130	244,590
	K*DD100M4A*	(2) 6YUNR48ME	-	-	745,220	678,650	615,050	556,300	500,480	449,490	401,040	356,880	316,270	279,400

Head fan required.

Additional Compressor Cooling Recommended†

* 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.

† See page 16 for Additional Compressor Cooling Graph.

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

CAPACITY DATA (BTUH)

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

Ambient Temp. (°F)	Model No.	Comp. Model No.	Suction Temperature (°F)											
			45°	40°	35°	30°	25°	20°	15°	10°	5°	0°	-5°	-10°
90°	K*DD030M4A*	(2) 3YS3R16ME	356,520	328,610	301,400	275,910	251,310	228,630	206,530	185,820	166,480	147,760	130,430	114,320
	K*DD040M4A*	(2) 4YBNR19ME	447,320	410,760	375,260	341,920	310,710	281,020	252,450	226,490	201,530	178,910	156,950	136,750
	K*DD050M4A*	(2) 4YHNR22ME	504,960	465,180	425,870	389,030	353,670	320,480	289,070	259,710	231,740	205,980	181,260	158,110
	K*DD060M4A*	(2) 4YJNR27ME	617,390	567,870	521,090	476,800	433,740	394,200	355,680	319,490	285,490	253,840	223,210	194,660
	K*DD070M4A*	(2) 6YHNR32ME	752,910	692,420	633,480	577,470	524,030	474,590	428,290	384,030	342,400	304,630	268,300	235,000
	K*DD080M4A*	(2) 6YJNR39ME	896,240	827,400	758,020	692,050	631,430	573,810	519,020	468,810	419,800	374,060	330,430	289,360
	K*DD100M4A*	(2) 6YUNR48ME	1,101,800	1,009,880	921,940	839,340	760,970	686,410	616,090	552,720	491,640	434,990	382,890	332,840
95°	K*DD030M4A*	(2) 3YS3R16ME	341,750	314,780	288,840	264,840	241,350	219,410	198,200	178,870	160,250	142,120	125,550	110,070
	K*DD040M4A*	(2) 4YBNR19ME	428,980	393,620	359,220	327,800	296,430	269,780	242,200	217,030	193,060	171,820	150,630	130,810
	K*DD050M4A*	(2) 4YHNR22ME	483,750	445,220	408,230	373,110	337,660	307,930	276,830	248,950	222,400	197,610	173,760	151,710
	K*DD060M4A*	(2) 4YJNR27ME	590,800	544,120	499,210	456,470	416,320	377,920	340,850	306,430	273,930	243,580	214,410	187,360
	K*DD070M4A*	(2) 6YHNR32ME	722,180	661,990	605,270	552,460	502,430	455,590	410,440	368,090	328,610	292,360	258,180	226,300
	K*DD080M4A*	(2) 6YJNR39ME	859,190	790,740	726,390	664,420	605,250	550,160	497,530	449,580	402,940	359,730	317,990	279,230
	K*DD100M4A*	(2) 6YUNR48ME	1,057,680	968,620	885,050	804,720	730,200	658,930	591,030	530,320	472,730	418,150	366,510	318,710
100°	K*DD030M4A*	(2) 3YS3R16ME	-	297,520	272,800	249,030	226,910	205,760	186,070	168,010	150,720	134,130	118,200	103,660
	K*DD040M4A*	(2) 4YBNR19ME	-	376,480	344,060	314,110	283,770	257,660	231,700	208,000	184,940	163,900	143,910	125,400
	K*DD050M4A*	(2) 4YHNR22ME	-	426,110	390,210	356,460	323,200	293,770	265,140	238,420	213,020	189,400	166,560	145,660
	K*DD060M4A*	(2) 4YJNR27ME	-	519,920	477,050	437,330	397,870	361,970	326,460	293,730	262,330	233,610	205,750	179,680
	K*DD070M4A*	(2) 6YHNR32ME	-	632,960	578,630	528,250	480,970	435,550	392,340	352,410	314,510	280,450	247,240	217,790
	K*DD080M4A*	(2) 6YJNR39ME	-	755,430	693,220	634,130	579,240	526,320	476,750	430,800	386,390	345,080	305,590	268,630
	K*DD100M4A*	(2) 6YUNR48ME	-	928,640	848,800	771,130	699,190	631,120	565,760	507,850	450,820	400,400	351,660	305,390
110°	K*DD030M4A*	(2) 3YS3R16ME	-	-	247,400	225,750	205,650	186,650	168,930	152,170	136,850	121,980	108,290	96,390
	K*DD040M4A*	(2) 4YBNR19ME	-	-	313,420	286,000	258,090	233,590	210,700	189,070	168,260	149,140	131,500	114,990
	K*DD050M4A*	(2) 4YHNR22ME	-	-	354,920	323,760	293,940	267,430	241,480	217,280	194,740	172,770	152,460	134,350
	K*DD060M4A*	(2) 4YJNR27ME	-	-	434,050	397,370	362,100	328,800	296,700	267,950	239,040	213,250	188,340	165,570
	K*DD070M4A*	(2) 6YHNR32ME	-	-	525,010	478,910	434,480	395,210	356,080	320,080	286,170	255,540	227,000	201,750
	K*DD080M4A*	(2) 6YJNR39ME	-	-	629,350	576,270	525,910	477,960	434,260	393,370	352,610	315,170	280,720	247,810
	K*DD100M4A*	(2) 6YUNR48ME	-	-	774,060	704,120	636,670	573,660	514,830	461,800	412,130	363,650	319,230	280,700

Head fan required. Additional Compressor Cooling Recommended[†]

* 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.

[†] See page 16 for Additional Compressor Cooling Graph.

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

CAPACITY DATA (BTUH)

MEDIUM TEMPERATURE R454C DISCUS // PARALLEL COMPRESSOR // 60 HZ†

Ambient Temp. (°F)	Model No.	Comp. Model No.	Suction Temperature (°F)											
			45°	40°	35°	30°	25°	20°	15°	10°	5°	0°	-5°	-10°
90°	K*DP050M4A*	(2) 4YHNR22ME	484,500	445,430	408,100	373,420	339,630	308,320	278,570	250,050	224,360	199,740	176,550	154,030
	K*DP060M4A*	(2) 4YJNR27ME	591,750	545,490	500,840	457,760	417,510	379,050	343,100	308,710	276,570	246,440	217,580	190,450
	K*DP070M4A*	(2) 6YHNR32ME	725,780	666,220	609,500	556,140	505,070	457,220	412,630	371,020	332,340	295,090	261,220	231,230
	K*DP080M4A*	(2) 6YJNR39ME	860,050	791,950	728,220	666,540	608,820	553,940	502,420	453,240	407,240	363,740	322,430	283,000
	K*DP100M4A*	(2) 6YUNR48ME	1,058,600	970,160	885,460	806,670	732,730	662,660	597,470	535,060	479,130	426,000	374,510	331,980
95°	K*DP050M4A*	(2) 4YHNR22ME	464,270	427,250	391,870	358,010	326,370	295,960	267,420	240,680	215,400	191,800	169,340	149,370
	K*DP060M4A*	(2) 4YJNR27ME	566,600	522,550	479,770	438,910	400,550	363,650	328,960	297,140	266,110	236,890	209,120	184,600
	K*DP070M4A*	(2) 6YHNR32ME	695,670	638,860	585,520	533,140	482,180	436,200	395,850	355,660	319,410	283,700	253,510	225,520
	K*DP080M4A*	(2) 6YJNR39ME	823,700	760,370	698,450	640,520	584,400	531,530	481,900	430,670	390,800	349,570	309,330	271,620
	K*DP100M4A*	(2) 6YUNR48ME	1,015,810	931,940	851,400	775,250	703,490	636,010	573,290	513,620	459,860	407,780	359,090	317,390
100°	K*DP050M4A*	(2) 4YHNR22ME	-	409,230	375,290	342,830	312,410	283,700	256,530	230,480	206,760	184,010	162,670	143,690
	K*DP060M4A*	(2) 4YJNR27ME	-	500,630	459,210	420,590	383,610	348,230	315,870	284,160	255,430	227,140	200,940	177,280
	K*DP070M4A*	(2) 6YHNR32ME	-	611,100	559,200	510,190	463,660	419,970	378,730	340,640	305,630	272,220	240,770	213,500
	K*DP080M4A*	(2) 6YJNR39ME	-	726,330	668,000	612,520	559,490	509,270	461,680	416,850	374,880	335,890	298,770	264,960
	K*DP100M4A*	(2) 6YUNR48ME	-	893,500	816,210	742,360	674,260	609,950	549,720	493,490	441,200	388,850	343,350	303,280
110°	K*DP050M4A*	(2) 4YHNR22ME	-	-	341,540	312,450	284,390	258,770	233,570	210,140	188,910	168,460	148,870	131,870
	K*DP060M4A*	(2) 4YJNR27ME	-	-	418,200	382,360	348,680	317,540	287,570	259,050	232,790	208,010	183,740	162,690
	K*DP070M4A*	(2) 6YHNR32ME	-	-	507,770	462,880	421,450	381,220	344,950	310,900	279,090	249,530	223,120	199,060
	K*DP080M4A*	(2) 6YJNR39ME	-	-	606,840	556,480	508,720	463,060	420,970	380,560	343,260	308,200	274,130	244,590
	K*DP100M4A*	(2) 6YUNR48ME	-	-	745,220	678,650	615,050	556,300	500,480	449,490	401,040	356,880	316,270	279,400

Head fan required.

Additional Compressor Cooling Recommended†

* 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.

† See page 16 for Additional Compressor Cooling Graph.

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

CAPACITY DATA (BTUH)

MEDIUM TEMPERATURE R455A DISCUS // PARALLEL COMPRESSOR // 60 HZ†

Ambient Temp. (°F)	Model No.	Comp. Model No.	Suction Temperature (°F)											
			45°	40°	35°	30°	25°	20°	15°	10°	5°	0°	-5°	-10°
90°	K*DP050M4A*	(2) 4YHNR22ME	504,960	465,180	425,870	389,030	353,670	320,480	289,070	259,710	231,740	205,980	181,260	158,110
	K*DP060M4A*	(2) 4YJNR27ME	617,390	567,870	521,090	476,800	433,740	394,200	355,680	319,490	285,490	253,840	223,210	194,660
	K*DP070M4A*	(2) 6YHNR32ME	752,910	692,420	633,480	577,470	524,030	474,590	428,290	384,030	342,400	304,630	268,300	235,000
	K*DP080M4A*	(2) 6YJNR39ME	896,240	827,400	758,020	692,050	631,430	573,810	519,020	468,810	419,800	374,060	330,430	289,360
	K*DP100M4A*	(2) 6YUNR48ME	1,101,800	1,009,880	921,940	839,340	760,970	686,410	616,090	552,720	491,640	434,990	382,890	332,840
95°	K*DP050M4A*	(2) 4YHNR22ME	483,750	445,220	408,230	373,110	337,660	307,930	276,830	248,950	222,400	197,610	173,760	151,710
	K*DP060M4A*	(2) 4YJNR27ME	590,800	544,120	499,210	456,470	416,320	377,920	340,850	306,430	273,930	243,580	214,410	187,360
	K*DP070M4A*	(2) 6YHNR32ME	722,180	661,990	605,270	552,460	502,430	455,590	410,440	368,090	328,610	292,360	258,180	226,300
	K*DP080M4A*	(2) 6YJNR39ME	859,190	790,740	726,390	664,420	605,250	550,160	497,530	449,580	402,940	359,730	317,990	279,230
	K*DP100M4A*	(2) 6YUNR48ME	1,057,680	968,620	885,050	804,720	730,200	658,930	591,030	530,320	472,730	418,150	366,510	318,710
100°	K*DP050M4A*	(2) 4YHNR22ME	-	426,110	390,210	356,460	323,200	293,770	265,140	238,420	213,020	189,400	166,560	145,660
	K*DP060M4A*	(2) 4YJNR27ME	-	519,920	477,050	437,330	397,870	361,970	326,460	293,730	262,330	233,610	205,750	179,680
	K*DP070M4A*	(2) 6YHNR32ME	-	632,960	578,630	528,250	480,970	435,550	392,340	352,410	314,510	280,450	247,240	217,790
	K*DP080M4A*	(2) 6YJNR39ME	-	755,430	693,220	634,130	579,240	526,320	476,750	430,800	386,390	345,080	305,590	268,630
	K*DP100M4A*	(2) 6YUNR48ME	-	928,640	848,800	771,130	699,190	631,120	565,760	507,850	450,820	400,400	351,660	305,390
110°	K*DP050M4A*	(2) 4YHNR22ME	-	-	354,920	323,760	293,940	267,430	241,480	217,280	194,740	172,770	152,460	134,350
	K*DP060M4A*	(2) 4YJNR27ME	-	-	434,050	397,370	362,100	328,800	296,700	267,950	239,040	213,250	188,340	165,570
	K*DP070M4A*	(2) 6YHNR32ME	-	-	525,010	478,910	434,480	395,210	356,080	320,080	286,170	255,540	227,000	201,750
	K*DP080M4A*	(2) 6YJNR39ME	-	-	629,350	576,270	525,910	477,960	434,260	393,370	352,610	315,170	280,720	247,810
	K*DP100M4A*	(2) 6YUNR48ME	-	-	774,060	704,120	636,670	573,660	514,830	461,800	412,130	363,650	319,230	280,700

Head fan required. Additional Compressor Cooling Recommended†

* 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.

† See page 16 for Additional Compressor Cooling Graph.

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

CAPACITY DATA (BTUH)

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

Ambient Temp. (°F)	Model No.	Comp. Model No.	Suction Temperature (°F)								
			0°	-5°	-10°	-15°	-20°	-25°	-30°	-35°	-40°
90°	K*DV022L4A*	4YJNF59KE	136,400	122,030	108,830	96,430	84,920	74,010	64,040	55,050	47,040
	K*DV027L4A*	6YHNF68KE	163,780	147,160	130,930	115,910	101,520	88,650	76,710	65,730	56,080
	K*DV030L4A*	6YJNF84KE	195,990	176,250	157,690	139,890	122,980	107,440	93,370	80,540	69,150
	K*DV040L4A*	6YUNF10ME	231,590	207,870	184,900	163,680	143,250	124,340	107,340	91,430	77,440
95°	K*DV022L4A*	4YJNF59KE	131,240	117,800	105,030	93,000	81,490	70,990	61,510	52,770	44,610
	K*DV027L4A*	6YHNF68KE	158,090	141,530	126,130	111,450	97,590	85,240	73,560	63,030	53,370
	K*DV030L4A*	6YJNF84KE	189,130	169,940	151,760	134,610	118,400	103,450	89,710	77,290	65,610
	K*DV040L4A*	6YUNF10ME	223,150	200,350	178,330	157,290	137,720	119,350	102,710	87,480	73,010
100°	K*DV022L4A*	4YJNF59KE	126,080	113,270	101,070	89,310	78,220	68,220	59,010	50,520	42,590
	K*DV027L4A*	6YHNF68KE	152,030	136,190	121,250	107,090	93,880	81,640	70,540	60,280	50,880
	K*DV030L4A*	6YJNF84KE	181,950	163,450	146,040	129,310	113,750	99,250	85,880	74,240	62,880
	K*DV040L4A*	6YUNF10ME	215,300	192,650	171,260	150,910	132,130	114,400	98,390	83,620	69,990
110°	K*DV022L4A*	4YJNF59KE	116,120	104,050	92,750	81,950	71,540	62,310	53,960	45,890	-
	K*DV027L4A*	6YHNF68KE	139,950	125,520	111,650	98,410	85,990	74,840	64,600	54,870	-
	K*DV030L4A*	6YJNF84KE	167,690	150,830	134,490	118,980	104,550	90,980	78,920	67,210	-
	K*DV040L4A*	6YUNF10ME	197,910	177,410	157,510	138,710	120,960	104,640	89,590	75,280	-

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

Ambient Temp. (°F)	Model No.	Comp. Model No.	Suction Temperature (°F)								
			0°	-5°	-10°	-15°	-20°	-25°	-30°	-35°	-40°
90°	K*DV022L4A*	4YJNF59KE	116,670	104,610	92,910	81,750	71,710	62,230	53,770	46,010	39,260
	K*DV027L4A*	6YHNF68KE	140,230	125,390	111,070	98,080	85,770	74,310	64,130	54,830	46,630
	K*DV030L4A*	6YJNF84KE	168,200	151,280	134,270	118,780	104,450	90,910	78,830	67,570	57,690
	K*DV040L4A*	6YUNF10ME	201,140	179,570	159,180	139,950	122,230	105,640	90,850	77,160	65,130
95°	K*DV022L4A*	4YJNF59KE	112,300	100,790	89,410	78,700	68,950	59,840	51,550	44,090	37,610
	K*DV027L4A*	6YHNF68KE	135,050	120,550	106,900	94,110	82,340	71,420	61,550	52,480	44,740
	K*DV030L4A*	6YJNF84KE	161,920	145,220	129,260	114,010	100,340	87,290	75,670	64,880	55,450
	K*DV040L4A*	6YUNF10ME	192,960	172,510	153,150	134,720	117,430	101,180	87,050	73,990	62,210
100°	K*DV022L4A*	4YJNF59KE	107,670	96,640	85,440	75,450	65,930	57,180	49,450	42,270	36,090
	K*DV027L4A*	6YHNF68KE	129,110	115,360	102,400	90,270	78,870	68,330	58,870	50,360	42,870
	K*DV030L4A*	6YJNF84KE	155,270	139,290	123,850	109,730	96,160	83,720	72,490	62,130	53,050
	K*DV040L4A*	6YUNF10ME	185,570	165,540	146,770	128,830	112,050	96,800	83,040	70,410	59,280
110°	K*DV022L4A*	4YJNF59KE	98,840	88,210	78,530	68,960	60,290	52,230	45,000	38,600	-
	K*DV027L4A*	6YHNF68KE	118,320	105,930	93,830	82,330	71,830	62,370	53,720	45,980	-
	K*DV030L4A*	6YJNF84KE	142,270	127,470	113,380	100,250	87,930	76,370	66,180	56,820	-
	K*DV040L4A*	6YUNF10ME	170,540	152,140	134,240	117,850	102,480	88,160	75,350	63,850	-

 Additional Compressor Cooling Recommended†

* 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.

Demand cooling standard on R454A, R454C and R455A.

† See page 17 for Additional Compressor Cooling Graph.

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

CAPACITY DATA (BTUH)

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

Ambient Temp. (°F)	Model No.	Comp. Model No.	Suction Temperature (°F)								
			0°	-5°	-10°	-15°	-20°	-25°	-30°	-35°	-40°
90°	K*DV022L4A*	4YJNF59KE	120,920	108,410	95,990	84,490	73,540	63,730	54,660	46,410	39,440
	K*DV027L4A*	6YHNF68KE	145,190	129,880	115,000	101,020	87,910	76,080	64,970	54,840	46,360
	K*DV030L4A*	6YJNF84KE	174,410	156,540	139,120	122,760	107,120	92,860	79,990	68,310	58,100
	K*DV040L4A*	6YUNF10ME	206,680	184,970	163,730	144,100	125,100	108,100	91,710	77,670	64,690
95°	K*DV022L4A*	4YJNF59KE	117,140	104,060	92,170	80,590	70,210	61,040	52,310	44,530	37,740
	K*DV027L4A*	6YHNF68KE	139,790	124,730	110,560	96,820	84,300	72,620	62,290	52,760	44,540
	K*DV030L4A*	6YJNF84KE	168,210	150,170	133,700	117,970	102,940	89,120	76,740	65,350	55,560
	K*DV040L4A*	6YUNF10ME	198,920	177,750	157,440	137,980	119,580	102,640	87,620	73,800	61,550
100°	K*DV022L4A*	4YJNF59KE	111,840	99,790	88,580	77,260	67,270	58,220	49,960	42,470	36,040
	K*DV027L4A*	6YHNF68KE	134,150	119,860	105,970	92,850	80,500	69,460	59,450	50,410	42,450
	K*DV030L4A*	6YJNF84KE	160,960	144,530	128,050	112,700	98,630	85,260	73,300	62,590	53,220
	K*DV040L4A*	6YUNF10ME	190,890	170,340	150,590	131,980	114,730	98,090	83,420	70,260	58,730
110°	K*DV022L4A*	4YJNF59KE	102,060	91,700	80,740	70,700	61,600	52,980	45,450	38,560	-
	K*DV027L4A*	6YHNF68KE	122,340	109,650	96,800	84,810	73,470	63,220	53,970	45,740	-
	K*DV030L4A*	6YJNF84KE	147,920	132,180	117,400	103,120	89,950	77,800	66,870	57,070	-
	K*DV040L4A*	6YUNF10ME	174,280	156,000	137,460	120,680	104,210	89,020	75,530	63,370	-

 Additional Compressor Cooling Recommended†

* 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.

Demand cooling standard on R454A, R454C and R455A.

† See page 17 for Additional Compressor Cooling Graph.

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

CAPACITY DATA (BTUH)

LOW TEMPERATURE R454A DISCUS // DUAL & PARALLEL COMPRESSORS // 60 HZ[‡]

Ambient Temp. (°F)	Dual Model No.	Parallel Model No. [†]	Comp. Model No.	Suction Temperature (°F)								
				0°	-5°	-10°	-15°	-20°	-25°	-30°	-35°	-40°
90°	K*DD044L4A*	-	(2) 4YJNF59KE	272,790	244,060	217,650	192,850	169,830	148,020	128,080	110,100	94,080
	K*DD054L4A*	-	(2) 6YHNF68KE	327,560	294,320	261,860	231,820	203,030	177,290	153,420	131,460	112,160
	K*DD060L4A*	-	(2) 6YJNF84KE	391,970	352,490	315,370	279,770	245,960	214,870	186,740	161,080	138,290
	K*DD080L4A*	-	(2) 6YUNF10ME	463,180	415,730	369,800	327,350	286,500	248,680	214,670	182,850	154,870
95°	K*DD044L4A*	-	(2) 4YJNF59KE	262,470	235,590	210,050	185,990	162,980	141,980	123,020	105,530	89,210
	K*DD054L4A*	-	(2) 6YHNF68KE	316,180	283,060	252,260	222,900	195,180	170,480	147,110	126,050	106,730
	K*DD060L4A*	-	(2) 6YJNF84KE	378,250	339,880	303,520	269,210	236,800	206,900	179,420	154,570	131,210
	K*DD080L4A*	-	(2) 6YUNF10ME	446,300	400,700	356,650	314,580	275,430	238,690	205,420	174,960	146,010
100°	K*DD044L4A*	-	(2) 4YJNF59KE	252,160	226,530	202,130	178,620	156,430	136,430	118,010	101,040	85,180
	K*DD054L4A*	-	(2) 6YHNF68KE	304,060	272,370	242,490	214,180	187,760	163,280	141,070	120,560	101,760
	K*DD060L4A*	-	(2) 6YJNF84KE	363,890	326,890	292,070	258,620	227,490	198,490	171,750	148,480	125,750
	K*DD080L4A*	-	(2) 6YUNF10ME	430,590	385,290	342,520	301,820	264,260	228,790	196,780	167,230	139,980
110°	K*DD044L4A*	-	(2) 4YJNF59KE	232,240	208,100	185,500	163,900	143,070	124,620	107,910	91,770	-
	K*DD054L4A*	-	(2) 6YHNF68KE	279,890	251,030	223,290	196,810	171,980	149,680	129,200	109,740	-
	K*DD060L4A*	-	(2) 6YJNF84KE	335,370	301,660	268,970	237,950	209,100	181,950	157,830	134,420	-
	K*DD080L4A*	-	(2) 6YUNF10ME	395,820	354,810	315,010	277,410	241,920	209,280	179,180	150,560	-

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

Ambient Temp. (°F)	Dual Model No.	Parallel Model No. [†]	Comp. Model No.	Suction Temperature (°F)								
				0°	-5°	-10°	-15°	-20°	-25°	-30°	-35°	-40°
90°	K*DD044L4A*	K*DP044L4A*	(2) 4YJNF59KE	233,340	209,220	185,820	163,500	143,410	124,450	107,530	92,010	78,520
	K*DD054L4A*	K*DP054L4A*	(2) 6YHNF68KE	280,460	250,780	222,130	196,160	171,540	148,620	128,250	109,650	93,250
	K*DD060L4A*	K*DP060L4A*	(2) 6YJNF84KE	336,400	302,550	268,530	237,560	208,900	181,810	157,660	135,140	115,380
	K*DD080L4A*	K*DP080L4A*	(2) 6YUNF10ME	402,270	359,140	318,360	279,900	244,450	211,270	181,690	154,310	130,260
95°	K*DD044L4A*	K*DP044L4A*	(2) 4YJNF59KE	224,590	201,580	178,810	157,390	137,900	119,670	103,090	88,180	75,220
	K*DD054L4A*	K*DP054L4A*	(2) 6YHNF68KE	270,100	241,090	213,790	188,210	164,670	142,830	123,100	104,960	89,480
	K*DD060L4A*	K*DP060L4A*	(2) 6YJNF84KE	323,840	290,430	258,520	228,010	200,670	174,580	151,330	129,760	110,900
	K*DD080L4A*	K*DP080L4A*	(2) 6YUNF10ME	385,910	345,020	306,290	269,440	234,850	202,350	174,100	147,970	124,420
100°	K*DD044L4A*	K*DP044L4A*	(2) 4YJNF59KE	215,340	193,270	170,870	150,900	131,860	114,360	98,890	84,540	72,180
	K*DD054L4A*	K*DP054L4A*	(2) 6YHNF68KE	258,210	230,710	204,790	180,540	157,740	136,650	117,740	100,710	85,730
	K*DD060L4A*	K*DP060L4A*	(2) 6YJNF84KE	310,530	278,570	247,700	219,450	192,310	167,440	144,980	124,250	106,100
	K*DD080L4A*	K*DP080L4A*	(2) 6YUNF10ME	371,140	331,080	293,540	257,660	224,100	193,600	166,070	140,810	118,560
110°	K*DD044L4A*	K*DP044L4A*	(2) 4YJNF59KE	197,680	176,410	157,050	137,920	120,570	104,450	90,000	77,190	-
	K*DD054L4A*	K*DP054L4A*	(2) 6YHNF68KE	236,630	211,850	187,650	164,660	143,650	124,730	107,440	91,950	-
	K*DD060L4A*	K*DP060L4A*	(2) 6YJNF84KE	284,540	254,930	226,760	200,490	175,860	152,730	132,350	113,640	-
	K*DD080L4A*	K*DP080L4A*	(2) 6YUNF10ME	341,080	304,270	268,470	235,690	204,950	176,310	150,700	127,700	-

 Additional Compressor Cooling Recommended^{††}

* 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.

Demand cooling standard on R454A, R454C and R455A.

[†] Not available due to charge limitations

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

^{††} See page 17 for Additional Compressor Cooling Graph.

CAPACITY DATA (BTUH)

LOW TEMPERATURE R455A DISCUS // DUAL & PARALLEL COMPRESSORS // 60 HZ†

Ambient Temp. (°F)	Dual Model No.	Parallel Model No.†	Comp. Model No.	Suction Temperature (°F)								
				0°	-5°	-10°	-15°	-20°	-25°	-30°	-35°	-40°
90°	K*DD044L4A*	K*DP044L4A*	(2) 4YJNF59KE	241,830	216,820	191,980	168,970	147,070	127,460	109,320	92,810	78,880
	K*DD054L4A*	K*DP054L4A*	(2) 6YHNF68KE	290,380	259,760	229,990	202,030	175,810	152,150	129,930	109,680	92,720
	K*DD060L4A*	K*DP060L4A*	(2) 6YJNF84KE	348,820	313,070	278,240	245,510	214,230	185,720	159,980	136,620	116,200
	K*DD080L4A*	K*DP080L4A*	(2) 6YUNF10ME	413,360	369,940	327,460	288,190	250,200	216,200	183,420	155,330	129,370
95°	K*DD044L4A*	K*DP044L4A*	(2) 4YJNF59KE	234,270	208,120	184,340	161,180	140,420	122,080	104,620	89,060	75,480
	K*DD054L4A*	K*DP054L4A*	(2) 6YHNF68KE	279,580	249,460	221,120	193,630	168,590	145,240	124,580	105,510	89,070
	K*DD060L4A*	K*DP060L4A*	(2) 6YJNF84KE	336,420	300,330	267,390	235,930	205,870	178,240	153,480	130,700	111,120
	K*DD080L4A*	K*DP080L4A*	(2) 6YUNF10ME	397,830	355,490	314,880	275,950	239,160	205,280	175,240	147,600	123,090
100°	K*DD044L4A*	K*DP044L4A*	(2) 4YJNF59KE	223,680	199,580	177,160	154,520	134,540	116,440	99,920	84,930	72,070
	K*DD054L4A*	K*DP054L4A*	(2) 6YHNF68KE	268,290	239,720	211,940	185,690	161,000	138,910	118,890	100,810	84,890
	K*DD060L4A*	K*DP060L4A*	(2) 6YJNF84KE	321,910	289,060	256,090	225,400	197,250	170,520	146,590	125,170	106,430
	K*DD080L4A*	K*DP080L4A*	(2) 6YUNF10ME	381,770	340,670	301,180	263,960	229,450	196,170	166,840	140,510	117,460
110°	K*DD044L4A*	K*DP044L4A*	(2) 4YJNF59KE	204,120	183,400	161,470	141,390	123,200	105,960	90,890	77,110	-
	K*DD054L4A*	K*DP054L4A*	(2) 6YHNF68KE	244,680	219,290	193,600	169,620	146,930	126,430	107,940	91,470	-
	K*DD060L4A*	K*DP060L4A*	(2) 6YJNF84KE	295,840	264,350	234,790	206,240	179,890	155,600	133,740	114,130	-
	K*DD080L4A*	K*DP080L4A*	(2) 6YUNF10ME	348,560	311,990	274,920	241,350	208,420	178,030	151,060	126,730	-

 Additional Compressor Cooling Recommended‡

* 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.

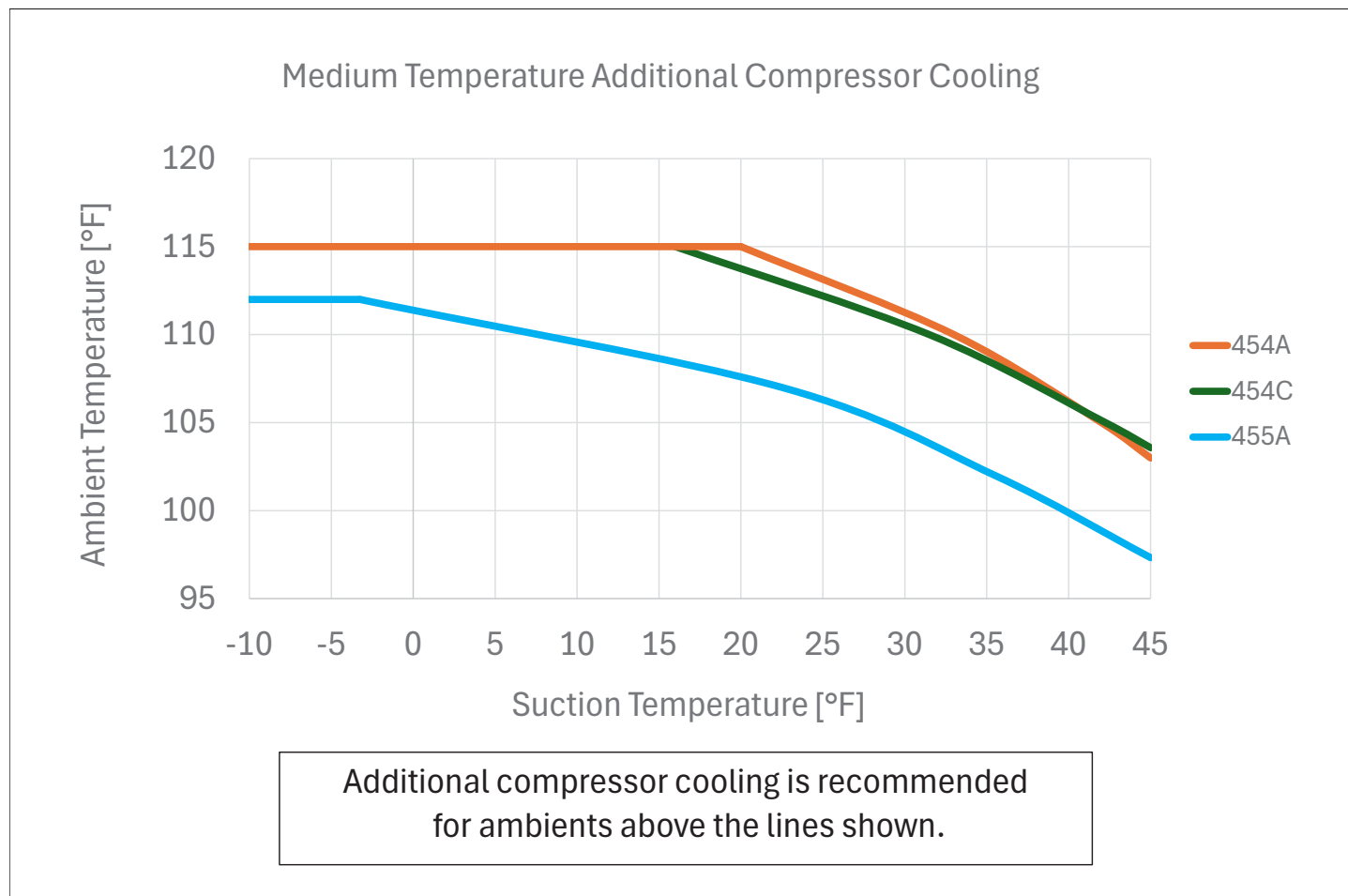
Demand cooling standard on R454A, R454C and R455A.

† See page 17 for Additional Compressor Cooling Graph.

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

ADDITIONAL COMPRESSOR COOLING GRAPH

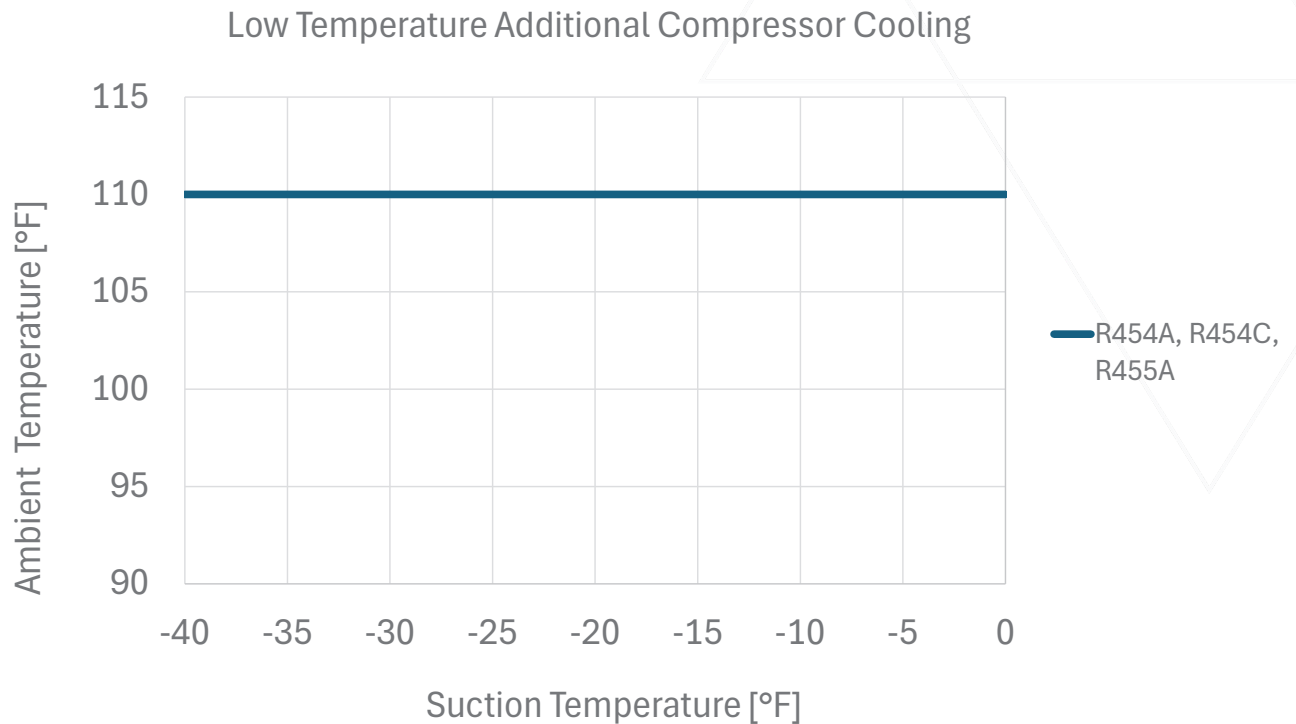
MEDIUM TEMPERATURE MODELS



- 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 is recommended
for ambients above the lines shown.

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

ELECTRICAL SPECIFICATIONS

DISCUS // 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	K*DV015M4A*	3YS3R16ME	53.5	83.5	275.0	13.0	2	2.0	81.9	125
	K*DV020M4A*	4YBNR19ME	64.7	101.0	374.0	13.0	2	2.0	95.9	150
	K*DV025M4A*	4YHNR22ME	66.8	104.2	428.0	13.0	2	2.0	98.5	150
	K*DV030M4A*	4YJNR27ME	94.6	147.6	292.0^	13.0	2	2.0	133.3	225
	K*DV035M4A*	6YHNR32ME	112.3	175.2	340.0^	19.5	3	2.0	161.9	250
	K*DV040M4A*	6YJNR39ME	128.2	200.0	340.0^	19.5	3	2.0	181.8	300
	K*DV050M4A*	6YUNR48ME	–	–	–	–	–	–	–	–
	K*DV022L4A*	4YJNF59KE	57.7	90.0	374.0	13.0	2	2.0	87.1	125
	K*DV027L4A*	6YHNF68KE	72.4	113.0	450.0	13.0	2	2.0	105.5	175
	K*DV030L4A*	6YJNF84KE	85.8	133.8	292.0^	13.0	2	2.0	122.3	200
	K*DV040L4A*	6YUNF10ME	–	–	–	–	–	–	–	–
460V/3/60 Hz	K*DV015M4A*	3YS3R16ME	26.0	40.6	138.0	6.6	2	1.0	40.1	60
	K*DV020M4A*	4YBNR19ME	32.4	50.5	187.0	6.6	2	1.0	48.1	80
	K*DV025M4A*	4YHNR22ME	35.9	56.0	206.0	6.6	2	1.0	52.5	80
	K*DV030M4A*	4YJNR27ME	43.3	67.6	235.0	6.6	2	1.0	61.7	100
	K*DV035M4A*	6YHNR32ME	56.2	87.6	283.0	9.9	3	1.0	81.2	125
	K*DV040M4A*	6YJNR39ME	64.1	100.0	297.0	9.9	3	1.0	91.0	150
	K*DV050M4A*	6YUNR48ME	75.0	117.0	482.0	9.9	3	1.0	104.7	175
	K*DV022L4A*	4YJNF59KE	30.4	47.4	180.0	6.6	2	1.0	45.6	70
	K*DV027L4A*	6YHNF68KE	36.2	56.5	225.0	6.6	2	1.0	52.9	80
	K*DV030L4A*	6YJNF84KE	42.9	66.9	235.0	6.6	2	1.0	61.2	100
	K*DV040L4A*	6YUNF10ME	60.9	95.0	367.0	6.6	2	1.0	83.7	125

^ Model utilizes part winding start

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

ELECTRICAL SPECIFICATIONS

DISCUS // SINGLE COMPRESSOR MODELS

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	K*DV015M4A*	DLD96	24.0	96.0	122.0	150	DLB96	24.0	96.0	122.0	150	DLA48	15.0	48.0	96.9	150
	K*DV020M4A*	DLD96	24.0	96.0	122.0	175	DLB96	24.0	96.0	122.0	175	DLA48	15.0	48.0	110.9	175
	K*DV025M4A*	DLD192	24.0	192.0	242.0	250	DLB96	24.0	96.0	122.5	175	DLA48	15.0	48.0	113.5	175
	K*DV030M4A*	DLD192	24.0	192.0	242.0	250	DLB96	24.0	96.0	157.3	250	DLA48	15.0	48.0	148.3	225
	K*DV035M4A*	DLD192	24.0	192.0	242.0	250	DLB96	24.0	96.0	185.9	250	DLA48	15.0	48.0	176.9	250
	K*DV040M4A*	DLD192	24.0	192.0	242.0	300	DLB96	24.0	96.0	205.8	300	DLA48	15.0	48.0	196.8	300
	K*DV050M4A*	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	K*DV022L4A*	DLD96	24.0	96.0	122.0	150	DLB96	24.0	96.0	122.0	150	DLA48	15.0	48.0	102.1	150
	K*DV027L4A*	DLD96	24.0	96.0	129.5	200	DLB96	24.0	96.0	129.5	200	DLA48	15.0	48.0	120.5	175
	K*DV030L4A*	DLD144	24.0	144.0	182.0	225	DLB96	24.0	96.0	146.3	225	DLA48	15.0	48.0	137.3	200
	K*DV040L4A*	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
460V/3/60 Hz	K*DV015M4A*	DLD60	24.0	60.0	76.0	90	DLB48	15.0	48.0	61.0	80	DLA24	15.0	24.0	55.1	80
	K*DV020M4A*	DLD60	24.0	60.0	76.0	100	DLB48	15.0	48.0	63.1	90	DLA48	15.0	48.0	63.1	90
	K*DV025M4A*	DLD96	24.0	96.0	121.0	125	DLB48	15.0	48.0	67.5	100	DLA48	15.0	48.0	67.5	100
	K*DV030M4A*	DLD96	24.0	96.0	121.0	125	DLB48	15.0	48.0	76.7	110	DLA48	15.0	48.0	76.7	110
	K*DV035M4A*	DLD96	24.0	96.0	121.0	150	DLB48	15.0	48.0	96.2	150	DLA48	15.0	48.0	96.2	150
	K*DV040M4A*	DLD96	24.0	96.0	121.0	175	DLB48	15.0	48.0	106.0	150	DLA48	15.0	48.0	106.0	150
	K*DV050M4A*	DLD96	24.0	96.0	128.7	200	DLB48	15.0	48.0	119.7	175	DLA48	15.0	48.0	119.7	175
	K*DV022L4A*	DLD60	24.0	60.0	76.0	90	DLB48	15.0	48.0	61.0	90	DLA48	15.0	48.0	61.0	90
	K*DV027L4A*	DLD60	24.0	60.0	76.9	110	DLB48	15.0	48.0	67.9	100	DLA48	15.0	48.0	67.9	100
	K*DV030L4A*	DLD96	24.0	96.0	121.0	125	DLB48	15.0	48.0	76.2	110	DLA48	15.0	48.0	76.2	110
	K*DV040L4A*	DLD96	24.0	96.0	121.0	150	DLB48	15.0	48.0	98.7	150	DLA48	15.0	48.0	98.7	150

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

ELECTRICAL SPECIFICATIONS

DISCUS // DUAL COMPRESSOR MODELS

	Base Model No.	Com. Model No.	Compressor			Cond. Fan		Control Amps	Air Defrost/Remote	
			RLA	MCC	LRA^	Total Fan FLA	QTY.		MCA	MOPD
208-230V/3/60 Hz	K*DD030M4A*	(2) 3YS3R16ME	53.5	83.5	275.0	26.0	4	2	148.4	200
	K*DD040M4A*	(2) 4YBNR19ME	64.7	101.0	374.0	26.0	4	2	173.6	225
	K*DD050M4A*	(2) 4YHNR22ME	66.8	104.2	428.0	26.0	4	2	178.3	225
	K*DD060M4A*	(2) 4YJNR27ME	94.6	147.6	292.0^	26.0	4	2	240.9	300
	K*DD070M4A*	(2) 6YHNR32ME	112.3	175.2	340.0^	39.0	6	2	293.7	400
	K*DD080M4A*	(2) 6YJNR39ME	128.2	200.0	340.0^	39.0	6	2	329.5	450
	K*DD100M4A*	(2) 6YUNR48ME	–	–	–	–	–	–	–	–
	K*DD044L4A*	(2) 4YJNF59KE	57.7	90.0	374.0	26.0	4	2	157.8	200
	K*DD054L4A*	(2) 6YHNF68KE	72.4	113.0	450.0	26.0	4	2	190.9	250
	K*DD060L4A*	(2) 6YJNF84KE	85.8	133.8	292.0^	26.0	4	2	221.1	300
	K*DD080L4A*	(2) 6YUNF10ME	–	–	–	–	–	–	–	–
460V/3/60 Hz	K*DD030M4A*	(2) 3YS3R16ME	26.0	40.6	138.0	13.2	4	1	72.7	90
	K*DD040M4A*	(2) 4YBNR19ME	32.4	50.5	187.0	13.2	4	1	87.1	110
	K*DD050M4A*	(2) 4YHNR22ME	35.9	56.0	206.0	13.2	4	1	95.0	125
	K*DD060M4A*	(2) 4YJNR27ME	43.3	67.6	235.0	13.2	4	1	111.6	150
	K*DD070M4A*	(2) 6YHNR32ME	56.2	87.6	283.0	19.8	6	1	147.3	200
	K*DD080M4A*	(2) 6YJNR39ME	64.1	100.0	297.0	19.8	6	1	165.0	225
	K*DD100M4A*	(2) 6YUNR48ME	75.0	117.0	482.0	19.8	6	1	189.6	250
	K*DD044L4A*	(2) 4YJNF59KE	30.4	47.4	180.0	13.2	4	1	82.6	110
	K*DD054L4A*	(2) 6YHNF68KE	36.2	56.5	225.0	13.2	4	1	95.7	125
	K*DD060L4A*	(2) 6YJNF84KE	42.9	66.9	235.0	13.2	4	1	110.7	150
	K*DD080L4A*	(2) 6YUNF10ME	60.9	95.0	367.0	13.2	4	1	151.2	200

^ Model utilizes part winding start

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

ELECTRICAL SPECIFICATIONS

DISCUS // DUAL COMPRESSOR MODELS

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	K*DD030M4A*	DLB48	15.0	48.0	30.0	96.0	178.4	225	DLA48	15.0	48.0	30.0	96.0	178.4	225
	K*DD040M4A*	DLB48	15.0	48.0	30.0	96.0	203.6	250	DLA48	15.0	48.0	30.0	96.0	203.6	250
	K*DD050M4A*	DLB96	24.0	96.0	48.0	192.0	242.5	250	DLA48	15.0	48.0	30.0	96.0	208.3	250
	K*DD060M4A*	DLB96	24.0	96.0	48.0	192.0	288.9	350	DLA48	15.0	48.0	30.0	96.0	270.9	350
	K*DD070M4A*	DLB96	24.0	96.0	48.0	192.0	341.7	450	DLA48	15.0	48.0	30.0	96.0	323.7	400
	K*DD080M4A*	DLB96	24.0	96.0	48.0	192.0	377.5	500	DLA48	15.0	48.0	30.0	96.0	359.5	450
	K*DD100M4A*	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	K*DD044L4A*	DLB60	15.0	60.0	30.0	120.0	187.8	225	DLA48	15.0	48.0	30.0	96.0	187.8	225
	K*DD054L4A*	DLB60	15.0	60.0	30.0	120.0	220.9	250	DLA48	15.0	48.0	30.0	96.0	220.9	250
	K*DD060L4A*	DLB60	15.0	60.0	30.0	120.0	251.1	300	DLA48	15	48.0	30.0	96.0	251.1	300
	K*DD080L4A*	—	—	—	—	—	—	—	—	—	—	—	—	—	—
460V/3/60 Hz	K*DD030M4A*	DLB48	15.0	48.0	30.0	96.0	121.0	125	DLA35	15	35	30	70	102.7	125
	K*DD040M4A*	DLB48	15.0	48.0	30.0	96.0	123.1	125	DLA35	15	35	30	70	117.1	125
	K*DD050M4A*	DLB48	15.0	48.0	30.0	96.0	127.5	150	DLA35	15	35	30	70	125.0	150
	K*DD060M4A*	DLB48	15.0	48.0	30.0	96.0	141.6	175	DLA35	15	35	30	70	141.6	175
	K*DD070M4A*	DLB48	15.0	48.0	30.0	96.0	177.3	225	DLA35	15	35	30	70	177.3	225
	K*DD080M4A*	DLB48	15.0	48.0	30.0	96.0	195.0	250	DLA35	15	35	30	70	195.0	250
	K*DD100M4A*	DLB48	15.0	48.0	30.0	96.0	219.6	250	DLA35	15	35	30	70	219.6	250
	K*DD044L4A*	DLB48	15.0	48.0	30.0	96.0	121.0	125	DLA35	15	35	30	70	112.6	125
	K*DD054L4A*	DLB48	15.0	48.0	30.0	96.0	127.9	150	DLA35	15	35	30	70	125.7	150
	K*DD060L4A*	DLB48	15.0	48.0	30.0	96.0	140.7	175	DLA35	15	35	30	70	140.7	175
	K*DD080L4A*	DLB48	15.0	48.0	30.0	96.0	181.2	225	DLA35	15	35	30	70	181.2	225

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

ELECTRICAL SPECIFICATIONS

DISCUS // PARALLEL COMPRESSOR MODELS

	Base Model No.	Com. Model No.	Compressor			Cond. Fan		Control Amps	Air Defrost/Remote	
			RLA	MCC	LRA^	Total Fan FLA	QTY.		MCA	MOPD
208-230V/3/60 Hz	K*DP050M4A*	(2) 4YHNR22ME	66.8	104.2	428.0	26.0	4	2.0	178.3	225
	K*DP060M4A*	(2) 4YJNR27ME	94.6	147.6	292.0^	26.0	4	2.0	240.9	300
	K*DP070M4A*	(2) 6YHNR32ME	112.3	175.2	340.0^	39.0	6	2.0	293.7	400
	K*DP080M4A*	(2) 6YJNR39ME	128.2	200.0	340.0^	39.0	6	2.0	329.5	450
	K*DP100M4A*	(2) 6YUNR48ME	—	—	—	—	—	—	—	—
	K*DP044L4A*	(2) 4YJNF59KE	57.7	90.0	374.0	26.0	4	2.0	157.8	200
	K*DP054L4A*	(2) 6YHNF68KE	72.4	113.0	450.0	26.0	4	2.0	190.9	250
	K*DP060L4A*	(2) 6YJNF84KE	85.8	133.8	292.0^	26.0	4	2.0	221.1	300
	K*DP080L4A*	(2) 6YUNF10ME	—	—	—	—	—	—	—	—
460V/3/60 Hz	K*DP050M4A*	(2) 4YHNR22ME	35.9	56.0	206.0	13.2	4	1.0	95.0	125
	K*DP060M4A*	(2) 4YJNR27ME	43.3	67.6	235.0	13.2	4	1.0	111.6	150
	K*DP070M4A*	(2) 6YHNR32ME	56.2	87.6	283.0	19.8	6	1.0	147.3	200
	K*DP080M4A*	(2) 6YJNR39ME	64.1	100.0	297.0	19.8	6	1.0	165.0	225
	K*DP100M4A*	(2) 6YUNR48ME	75.0	117.0	482.0	19.8	6	1.0	189.6	250
	K*DP044L4A*	(2) 4YJNF59KE	30.4	47.4	180.0	13.2	4	1.0	82.6	110
	K*DP054L4A*	(2) 6YHNF68KE	36.2	56.5	225.0	13.2	4	1.0	95.7	125
	K*DP060L4A*	(2) 6YJNF84KE	42.9	66.9	235.0	13.2	4	1.0	110.7	150
	K*DP080L4A*	(2) 6YUNF10ME	60.9	95.0	367.0	13.2	4	1.0	151.2	200

^ 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	K*DP050M4A*	DLD192	24.0	192.0	242.0	250	DLB96	24.0	96.0	202.3	250
	K*DP060M4A*	DLD192	24.0	192.0	264.9	350	DLB96	24.0	96.0	264.9	350
	K*DP070M4A*	DLD192	24.0	192.0	317.7	400	DLB96	24.0	96.0	317.7	400
	K*DP080M4A*	DLD192	24.0	192.0	353.5	450	DLB96	24.0	96.0	353.5	450
	K*DP100M4A*	—	—	—	—	—	—	—	—	—	—
	K*DP044L4A*	DLD96	24.0	96.0	181.8	225	DLB60	15.0	60.0	172.8	225
	K*DP054L4A*	DLD96	24.0	96.0	214.9	250	DLB96	24.0	96.0	214.9	250
	K*DP060L4A*	DLD144	24.0	144.0	245.1	300	DLB96	24.0	96.0	245.1	300
	K*DP080L4A*	—	—	—	—	—	—	—	—	—	—
460V/3/60 Hz	K*DP050M4A*	DLD96	24.0	96.0	121.0	150	DLB48	15.0	48.0	110.0	125
	K*DP060M4A*	DLD96	24.0	96.0	135.6	175	DLB48	15.0	48.0	126.6	150
	K*DP070M4A*	DLD96	24.0	96.0	171.3	225	DLB48	15.0	48.0	162.3	200
	K*DP080M4A*	DLD96	24.0	96.0	189.0	250	DLB48	15.0	48.0	180.0	225
	K*DP100M4A*	DLD96	24.0	96.0	213.6	250	DLB48	15.0	48.0	204.6	250
	K*DP044L4A*	DLD60	24.0	60.0	106.6	125	DLB48	15.0	48.0	97.6	125
	K*DP054L4A*	DLD60	24.0	60.0	119.7	150	DLB48	15.0	48.0	110.7	125
	K*DP060L4A*	DLD60	24.0	60.0	134.7	175	DLB48	15.0	48.0	125.7	150
	K*DP080L4A*	DLD60	24.0	60.0	175.2	225	DLB48	15.0	48.0	166.2	225

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

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^
K*DV015M4A*	3YS3R16ME	15	2	7/8	1-5/8
K*DV020M4A*	4YBNR19ME	20	2	7/8	2-1/8
K*DV025M4A*	4YHNR22ME	25	2	7/8	2-1/8
K*DV030M4A*	4YJNR27ME	30	2	1-1/8	2-1/8
K*DV035M4A*	6YHNR32ME	35	3	1-1/8	2-1/8
K*DV040M4A*	6YJNR39ME	40	3	1-1/8	2-1/8
K*DV050M4A*	6YUNR48ME	50	3	1-1/8	2-5/8
K*DV022L4A*	4YJNF59KE	22	2	7/8	2-1/8
K*DV027L4A*	6YHNF68KE	27	2	7/8	2-1/8
K*DV030L4A*	6YJNF84KE	30	2	7/8	2-1/8
K*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^
K*DD030M4A*	(2) 3YS3R16ME	30	4	(2)7/8	(2)1-5/8
K*DD040M4A*	(2) 4YBNR19ME	40	4	(2)7/8	(2)2-1/8
K*DD050M4A*	(2) 4YHNR22ME	50	4	(2)7/8	(2)2-1/8
K*DD060M4A*	(2) 4YJNR27ME	60	4	(2)1-1/8	(2)2-1/8
K*DD070M4A*	(2) 6YHNR32ME	70	6	(2)1-1/8	(2)2-1/8
K*DD080M4A*	(2) 6YJNR39ME	80	6	(2)1-1/8	(2)2-1/8
K*DD100M4A*	(2) 6YUNR48ME	100	6	(2)1-1/8	(2)2-5/8
K*DD044L4A*	(2) 4YJNF59KE	44	4	(2)7/8	(2)2-1/8
K*DD054L4A*	(2) 6YHNF68KE	54	4	(2)7/8	(2)2-1/8
K*DD060L4A*	(2) 6YJNF84KE	60	4	(2)7/8	(2)2-1/8
K*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^
K*DP050M4A*	(2) 4YHNR22ME	50	4	1-1/8	2-5/8
K*DP060M4A*	(2) 4YJNR27ME	60	4	1-3/8	2-5/8
K*DP070M4A*	(2) 6YHNR32ME	70	6	1-3/8	3-1/8
K*DP080M4A*	(2) 6YJNR39ME	80	6	1-5/8	3-1/8
K*DP100M4A*	(2) 6YUNR48ME	100	6	1-5/8	3-1/8
K*DP044L4A*	(2) 4YJNF59KE	44	4	1-1/8	3-1/8
K*DP054L4A*	(2) 6YHNF68KE	54	4	1-1/8	3-1/8
K*DP060L4A*	(2) 6YJNF84KE	60	4	1-1/8	3-1/8
K*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.	Receiver Capacity R454A				Receiver Capacity R454C				Receiver Capacity 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
K*DV015M4A*	96	96	130	130	98	98	133	133	98	98	131	131
K*DV020M4A*	130	96	195	130	133	98	199	133	131	98	197	131
K*DV025M4A*	130	96	195	130	133	98	199	133	131	98	197	131
K*DV030M4A*	195	130	253	195	199	133	259	199	197	131	257	197
K*DV035M4A*	195	130	253	195	199	133	259	199	197	131	257	197
K*DV040M4A*	195	130	253	195	199	133	259	199	197	131	257	197
K*DV050M4A*	253	195	362	253	259	199	370	259	257	197	367	257
K*DV022L4A*	96	96	130	130	98	98	133	133	98	98	131	131
K*DV027L4A*	130	96	195	130	133	98	199	133	131	98	197	131
K*DV030L4A*	130	96	195	130	133	98	199	133	131	98	197	131
K*DV040L4A*	195	130	253	195	199	133	259	199	197	131	257	197

DUAL COMPRESSOR MODELS

Model No.	Receiver Capacity R454A				Receiver Capacity R454C				Receiver Capacity 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
K*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
K*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
K*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
K*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
K*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
K*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
K*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
K*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
K*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
K*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
K*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.	Receiver Capacity R454A				Receiver Capacity R454C				Receiver Capacity 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
K*DP050M4A*	-	-	-	-	259	133	370	259	257	131	367	257
K*DP060M4A*	-	-	-	-	259	199	370	259	257	197	367	257
K*DP070M4A*	-	-	-	-	370	259	495	370	367	257	490	367
K*DP080M4A*	-	-	-	-	370	259	495	370	367	257	490	367
K*DP100M4A*	-	-	-	-	370	259	495	370	367	257	490	367
K*DP044L4A*	-	-	-	-	199	133	259	199	197	131	257	197
K*DP054L4A*	-	-	-	-	259	199	370	259	257	197	367	257
K*DP060L4A*	-	-	-	-	259	199	370	259	257	197	367	257
K*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		
K*DV015M4A*	3YS3R16ME	2	58-1/8	45-3/8	159-1/4	1,875	71.9
K*DV020M4A*	4YBNR19ME	2	58-1/8	45-3/8	159-1/4	1,940	71.9
K*DV025M4A*	4YHNR22ME	2	58-1/8	45-3/8	159-1/4	1,940	71.9
K*DV030M4A*	4YJNR27ME	2	58-1/8	45-3/8	159-1/4	1,940	71.9
K*DV035M4A*	6YHNR32ME	3	58-1/8	45-3/8	207-1/4	2,440	74.9
K*DV040M4A*	6YJNR39ME	3	58-1/8	45-3/8	207-1/4	2,440	74.9
K*DV050M4A*	6YUNR48ME	3	58-1/8	45-3/8	207-1/4	2,540	74.9
K*DV022L4A*	4YJNF59KE	2	58-1/8	45-3/8	159-1/4	1,940	71.9
K*DV027L4A*	6YHNF68KE	2	58-1/8	45-3/8	159-1/4	2,040	71.9
K*DV030L4A*	6YJNF84KE	2	58-1/8	45-3/8	159-1/4	2,040	71.9
K*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		
K*DD030M4A*	(2) 3YS3R16ME	2	58-1/8	90-7/8	159-1/4	3,660	78.4
K*DD040M4A*	(2) 4YBNR19ME	2	58-1/8	90-7/8	159-1/4	3,780	78.4
K*DD050M4A*	(2) 4YHNR22ME	2	58-1/8	90-7/8	159-1/4	3,780	78.4
K*DD060M4A*	(2) 4YJNR27ME	2	58-1/8	90-7/8	159-1/4	3,780	78.4
K*DD070M4A*	(2) 6YHNR32ME	3	58-1/8	90-7/8	207-1/4	4,760	80.2
K*DD080M4A*	(2) 6YJNR39ME	3	58-1/8	90-7/8	207-1/4	4,760	80.2
K*DD100M4A*	(2) 6YUNR48ME	3	58-1/8	90-7/8	207-1/4	4,950	80.2
K*DD044L4A*	(2) 4YJNF59KE	2	58-1/8	90-7/8	159-1/4	3,780	78.4
K*DD054L4A*	(2) 6YHNF68KE	2	58-1/8	90-7/8	159-1/4	3,980	78.4
K*DD060L4A*	(2) 6YJNF84KE	2	58-1/8	90-7/8	159-1/4	3,980	78.4
K*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		
K*DP050M4A*	(2) 4YHNR22ME	2	58-1/8	90-7/8	159-1/4	3,720	78.4
K*DP060M4A*	(2) 4YJNR27ME	2	58-1/8	90-7/8	159-1/4	3,720	78.4
K*DP070M4A*	(2) 6YHNR32ME	3	58-1/8	90-7/8	207-1/4	4,680	80.2
K*DP080M4A*	(2) 6YJNR39ME	3	58-1/8	90-7/8	207-1/4	4,680	80.2
K*DP100M4A*	(2) 6YUNR48ME	3	58-1/8	90-7/8	207-1/4	4,880	80.2
K*DP044L4A*	(2) 4YJNF59KE	2	58-1/8	90-7/8	159-1/4	3,720	78.4
K*DP054L4A*	(2) 6YHNF68KE	2	58-1/8	90-7/8	159-1/4	3,920	78.4
K*DP060L4A*	(2) 6YJNF84KE	2	58-1/8	90-7/8	159-1/4	3,920	78.4
K*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 pages 22-23 for dimensional drawings.

DIMENSIONAL DRAWINGS

Figure 1: Single Compressor

Single Compressor Width

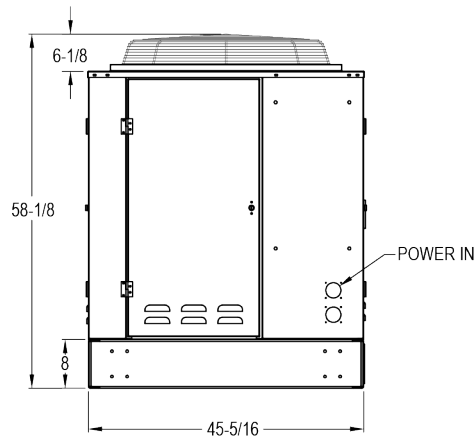
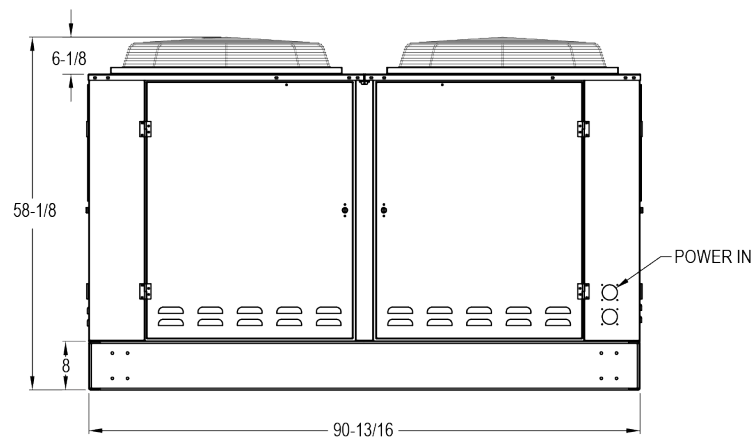


Figure 2: Parallel/Dual Compressor

Parallel/Dual 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

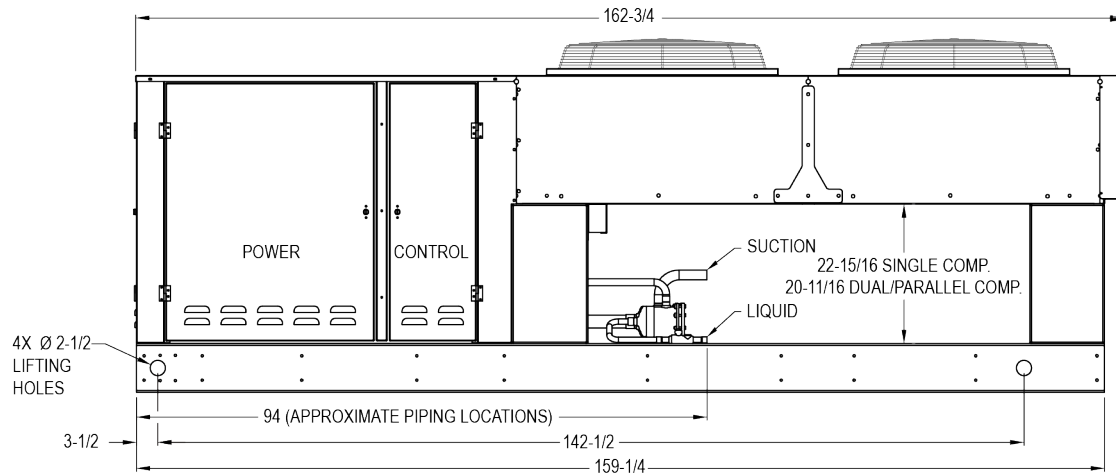
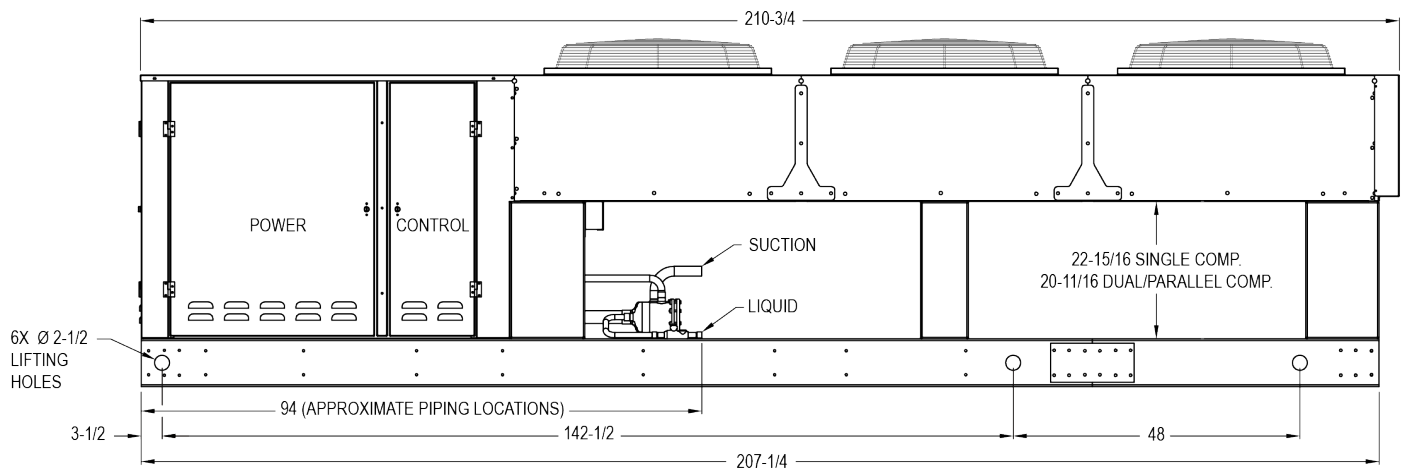


Figure 4: 3 Fan



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[^]

COOLER & FREEZER MODELS

Medium Temperature Models ¹	
Base Model Number	AWEF
K*DV015M4A*	7.6
K*DV020M4A*	7.6
K*DV025M4A*	7.6
K*DV030M4A*	7.6
K*DV035M4A*	7.6
K*DV040M4A*	7.6
K*DV050M4A*	7.6

¹ 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."

Low Temperature Models ²	
Base Model Number	AWEF
K*DV022L4A*	3.15
K*DV027L4A*	3.15
K*DV030L4A*	3.15

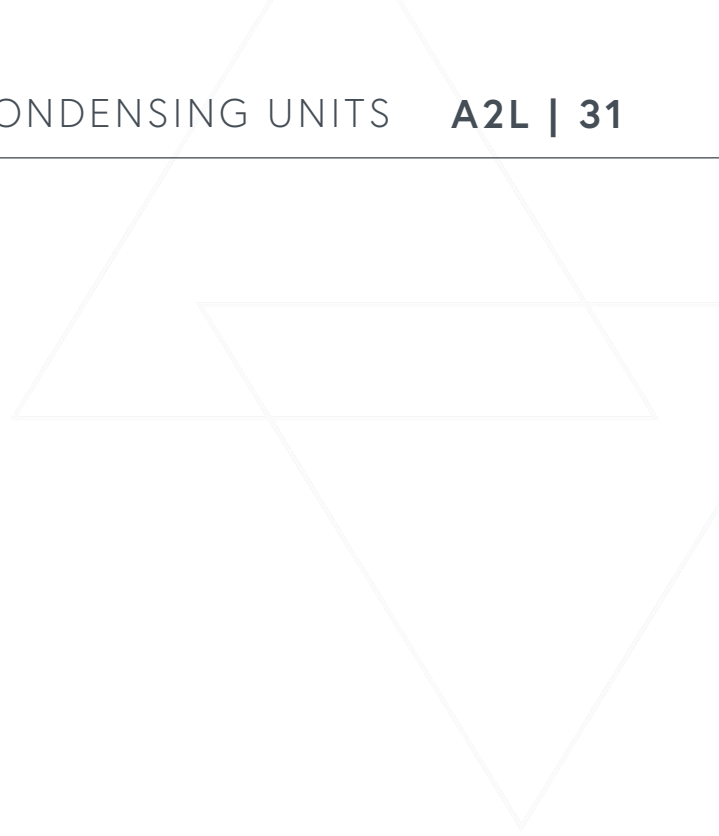
² If the low temperature model has a numerical value in the table above, the following statement applies:
 "This refrigeration system is designed and certified for use in walk-in freezer applications."

[^] 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.

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





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