

KRAMER

A2L NEXT GEN II 3 TO 22 HP AIR-COOLED CONDENSING UNITS

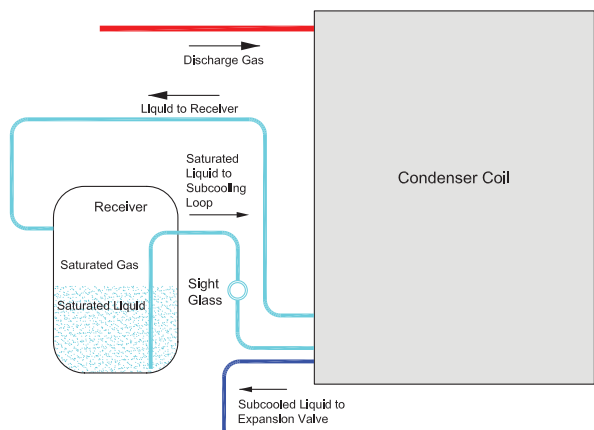


3 TO 22 HP AIR-COOLED CONDENSING UNITS

Next Gen II's 3 to 22 HP Air-Cooled condensing units capitalize on the Next-Gen's design successes. The improvements start with an expanded range of compressor types selected for use with low GWP refrigerants. Compressors are housed in a durable G90 galvanized steel painted enclosure with an open view, flow-through equipment guard; a highly efficient enhanced copper tube condenser; three phase fan motors; and externally mounted service valves that are easily accessible from the cabinet exterior. The unit's large control panel includes a swing-wide hinged door and abundant room for standard components and system accessories along with color-coded and numbered point-to-point wiring that assist in easy service and unit maintenance.

INTEGRAL SUBCOOLING CIRCUIT

All Next Gen II Air-Cooled condensing units feature an integral subcooling circuit that allows saturated liquid to flow from the receiver to the condenser where the refrigerant is subcooled by ambient air. This provides an average of 3°F to 5°F of subcooling for higher efficiency while assuring optimal expansion device operation.



* Unit above is a 2 fan model with grills removed. Shown with optional components installed.

FEATURES AND OPTIONS

● Standard ○ Optional ⊖ Not Available

Description	Flooded			Non-Flooded MD		
	KFD	KFO	KFB	KBD	KBO	KBB
All weather G90 galvanized steel painted enclosure	●			●		
Removable top and side panels for ease of service	●			●		
Large control panel for power and control circuits	●			●		
Swing wide hinged control panel door	●			●		
316 Stainless Steel cabinet	○			○		
Hail / Snow Guards (Loose)	○			○		
Liquid injection/Demand Cooling™ for low temperature compressors	●			●		
Copeland Discus™	●	⊖	⊖	●	⊖	⊖
Copeland Scroll™	⊖	●	⊖	⊖	●	⊖
Bitzer Semi-Hermetic	⊖	⊖	●	⊖	⊖	●

FEATURES AND OPTIONS CONTINUED

● Standard ○ Optional ⊖ Not Available

Description	Flooded			Non-Flooded MD		
	KFD	KFO	KFB	KBD	KBO	KBB
High efficiency condenser with enhanced copper tubes/aluminum fins	●	●		●	●	
Integral liquid subcooling circuit	●	●		●	●	
3 phase condenser fan motor(s) (230V and 460V only)	●	●		●	●	
Flooded head pressure control	●	●		⊖	⊖	
Fan cycle control	⊖	⊖		●	●	
Copper or Electro Fin® coated coil	○	○		○	○	
Crankcase heater	●	●		●	●	
Compressor contactor	●	●		●	●	
Control transformer (460V to 230V) as required	●	●		●	●	
Dual pressure control (auto reset) w/ Reflex® flexible lines	●	●		●	●	
Color-coded wiring for ease of serviceability	●	●		●	●	
Pump down toggle switch	●	●		●	●	
External fused or non-fused disconnect	○	○		○	○	
Phase loss monitor	○	○		○	○	
Current sensing relay	○	○		○	○	
Crankcase pressure regulator	○	○		○	○	
Thru-the-door non-fused disconnect	○	○		○	○	
Electric defrost kits with electronic time clocks	○	○		○	○	
Electronic or mechanical air defrost time clocks	○	○		○	○	
50 HZ defrost timers with or without contactors	○	○		○	○	
Vertical receiver (needs less refrigerant for liquid seal)	●	●		●	●	
Receiver isolation valve	●	●		●	●	
Pressure relief valve (*see note below)	●	●		●	●	
Base mounted liquid & suction shut-off valves (External)	●	●		●	●	
Liquid line kit - piping, sealed filter drier & sight glass	●	●		●	●	
Suction line piping	●	●		●	●	
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	○	○		○	○	
Oversized receiver	○	○		○	○	
Heated and insulated receiver (temperature controlled and low pressure	○	○		○	○	
Sealed suction filter	○	○		○	○	
Suction line accumulator	○	○		○	○	
Oil separator	○	○		○	○	
Replaceable core liquid and suction filters	○	○		○	○	

* Models in FD1 cabinet include a fusible plug for pressure relief. See price list for optional pressure relief valve.
Models in FD2 and FD3 cabinets include a pressure relief valve.

MODEL NOMENCLATURE

CONFIGURABLE BASE MODEL

K	F	D	S	004	M	4A	E	A
Brand	Style	Compressor Type	Compressor Configuration	Horsepower	Temperature Range	Refrigerant Class	Voltage Code	Vintage
K = Kramer	F = Flooded B = Non-Flooded	D = Discuss O = Scroll B = Bitzer	S = Single Horizontal (Large)	004 = 4 HP	E = Extended Medium L = Low M = Medium	4A = R454A, R454C, or R455A	E = 208-230/3/60 G= 460/3/60 N = 200-220/3/50 Q = 380/3/50	A

CAPACITY DATA (BTUH)

MEDIUM TEMPERATURE R454A DISCUS // 60 HZ†

Ambient Temp. (°F)	Model No.	Comp. Model No.	Suction Temperature (°F)										
			40°	35°	30°	25°	20°	15°	10°	5°	0°	-5°	-10°
90°	K*DS004M4**	2YC3R51KE	60,360	54,890	49,730	44,800	40,160	35,820	31,670	27,750	24,180	20,840	17,710
	K*DS005M4**	2YD3R59KE	67,790	61,810	56,140	50,730	45,580	40,700	36,150	31,820	27,740	23,940	20,360
	K*DS006M4**	2YL3R73KE	90,180	81,550	73,860	66,410	59,360	52,790	46,620	40,850	35,480	30,570	25,880
	K*DS007M4**	2YA3R82KO	99,710	90,690	82,060	74,000	66,340	59,080	52,190	45,770	40,030	34,320	29,390
	K*DS008M4**	3YA3R99KE	117,070	106,480	96,610	87,140	78,320	69,950	62,030	54,610	47,710	41,090	35,180
	K*DS010M4**	3YB3R11ME	134,150	122,330	111,030	100,430	90,310	80,800	71,900	63,520	56,530	48,310	41,360
	K*DS012M4**	3YF3R14ME	160,360	146,240	132,630	119,720	108,500	96,020	85,270	75,230	65,100	56,990	48,860
	K*DS015M4**	3YS3R16ME	175,200	160,260	145,480	131,790	118,710	106,070	94,400	83,250	72,580	63,140	54,210
95°	K*DS004M4**	2YC3R51KE	57,900	52,630	47,630	42,880	38,450	34,270	30,270	26,560	23,090	19,890	16,920
	K*DS005M4**	2YD3R59KE	64,990	59,280	53,810	48,590	43,590	38,920	34,570	30,450	26,500	22,910	19,470
	K*DS006M4**	2YL3R73KE	85,880	77,810	70,910	60,490	56,860	50,290	44,530	38,980	34,030	29,180	24,800
	K*DS007M4**	2YA3R82KO	95,860	87,030	78,810	71,040	63,550	56,580	49,950	43,880	37,640	32,840	28,010
	K*DS008M4**	3YA3R99KE	112,480	102,330	92,750	83,600	75,110	67,090	59,370	52,280	45,420	39,510	33,780
	K*DS010M4**	3YB3R11ME	128,810	117,440	106,620	96,220	86,550	77,500	68,880	60,860	53,280	46,120	39,590
	K*DS012M4**	3YF3R14ME	154,150	140,420	127,300	114,720	103,340	92,230	81,820	72,010	62,840	54,410	46,660
	K*DS015M4**	3YS3R16ME	168,490	153,120	139,340	125,890	113,260	101,180	90,010	79,480	68,740	60,080	51,920
100°	K*DS004M4**	2YC3R51KE	55,430	50,360	45,540	41,010	36,740	32,700	28,900	25,350	22,050	18,990	16,180
	K*DS005M4**	2YD3R59KE	62,140	56,730	51,430	46,410	41,640	37,240	33,020	29,020	25,300	21,870	18,680
	K*DS006M4**	2YL3R73KE	83,030	75,360	67,990	61,040	54,500	48,350	42,630	37,360	32,440	27,950	24,050
	K*DS007M4**	2YA3R82KO	91,890	83,550	75,570	68,080	60,990	53,950	47,770	41,900	36,490	31,450	26,770
	K*DS008M4**	3YA3R99KE	107,990	98,030	88,970	80,040	71,940	64,120	56,770	49,840	43,500	37,470	32,090
	K*DS010M4**	3YB3R11ME	123,500	112,580	102,030	92,200	82,760	73,930	65,870	58,020	49,690	43,980	37,770
	K*DS012M4**	3YF3R14ME	148,530	134,960	122,580	110,200	98,590	88,300	78,130	68,800	59,500	52,070	44,860
	K*DS015M4**	3YS3R16ME	160,940	147,410	133,450	120,490	108,390	96,690	85,730	75,750	66,490	57,420	49,460
110°	K*DS004M4**	2YC3R51KE	50,410	45,770	41,380	37,210	33,330	29,640	26,170	22,960	20,000	17,270	14,800
	K*DS005M4**	2YD3R59KE	56,580	51,520	46,680	42,100	37,820	33,740	29,940	26,350	22,980	19,860	17,010
	K*DS006M4**	2YL3R73KE	75,980	68,680	62,020	55,520	49,500	43,860	38,620	33,790	29,350	25,190	21,430
	K*DS007M4**	2YA3R82KO	84,060	76,220	68,990	61,850	55,260	49,070	43,260	37,900	32,850	28,300	24,190
	K*DS008M4**	3YA3R99KE	98,460	89,440	80,860	72,960	65,220	58,080	51,320	45,110	39,460	34,070	29,040
	K*DS010M4**	3YB3R11ME	112,700	98,150	92,990	83,780	75,200	67,240	59,550	52,500	45,840	39,600	34,030
	K*DS012M4**	3YF3R14ME	135,100	122,880	111,110	100,070	89,940	79,880	70,800	62,200	54,310	46,620	40,270
	K*DS015M4**	3YS3R16ME	146,960	133,880	122,060	109,550	98,230	87,620	77,610	68,390	59,900	51,790	44,530

 Additional Compressor Cooling Recommended†

* Each asterisk represents a variable character based upon model, voltage, and vintage ordered. See page 4 for nomenclature.

† See page 20 for Additional Compressor Cooling Graph.

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

Published capacities are with 20°F total superheat. This provides a more accurate capacity at design conditions.

Multiply by 1.05 to 1.07 for approximate capacities at 65°F return gas temperature.

CAPACITY DATA (BTUH)

MEDIUM TEMPERATURE R454C DISCUS // 60 HZ[‡]

Ambient Temp. (°F)	Model No.	Comp. Model No.	Suction Temperature (°F)										
			40°	35°	30°	25°	20°	15°	10°	5°	0°	-5°	-10°
90°	K*DS004M4A**	2YC3R51KE	51,910	46,860	42,190	37,750	33,610	29,740	26,160	22,860	19,200	16,880	14,310
	K*DS005M4A**	2YD3R59KE	58,460	52,950	47,780	42,880	38,250	33,910	29,910	26,090	22,640	19,480	16,440
	K*DS006M4A**	2YL3R73KE	76,740	69,170	62,270	55,450	49,150	43,470	38,140	33,020	28,560	24,260	20,510
	K*DS007M4A**	2YA3R82KO	85,320	77,030	69,300	62,120	55,170	48,700	42,810	37,350	29,710	27,420	23,300
	K*DS008M4A**	3YA3R99KE	100,330	90,770	81,830	73,270	65,440	58,000	51,080	44,620	38,560	32,980	28,030
	K*DS010M4A**	3YB3R11ME	115,340	104,470	94,390	84,750	75,800	67,310	59,430	52,090	45,280	38,760	33,030
	K*DS012M4A**	3YF3R14ME	137,960	125,250	112,530	100,730	90,280	79,850	70,460	61,790	53,670	45,940	39,210
	K*DS015M4A**	3YS3R16ME	151,210	137,110	123,930	111,000	99,540	88,490	77,950	68,340	60,000	51,010	43,580
95°	K*DS004M4A**	2YC3R51KE	49,700	44,870	40,340	36,080	32,080	28,440	24,960	21,820	18,830	16,110	13,650
	K*DS005M4A**	2YD3R59KE	55,980	50,720	45,730	40,940	36,510	32,320	28,490	24,900	21,560	18,510	15,690
	K*DS006M4A**	2YL3R73KE	73,650	66,410	59,630	52,810	47,080	41,420	36,350	31,590	27,000	23,220	19,530
	K*DS007M4A**	2YA3R82KO	81,880	73,900	66,460	59,330	52,670	46,640	40,800	35,610	32,060	26,250	22,130
	K*DS008M4A**	3YA3R99KE	96,320	87,220	78,510	70,250	62,670	55,360	48,780	42,620	36,690	31,530	26,660
	K*DS010M4A**	3YB3R11ME	110,540	100,140	90,250	81,270	72,630	64,310	56,740	49,760	43,190	37,010	31,470
	K*DS012M4A**	3YF3R14ME	132,340	119,570	107,350	96,510	86,200	76,210	67,330	58,970	51,130	44,000	37,350
	K*DS015M4A**	3YS3R16ME	144,770	131,360	118,170	106,290	94,860	84,100	74,270	65,140	56,530	48,780	41,490
100°	K*DS004M4A**	2YC3R51KE	47,500	42,820	38,420	34,350	30,610	27,000	23,700	20,700	17,890	15,320	13,010
	K*DS005M4A**	2YD3R59KE	53,470	48,460	43,590	39,070	34,760	30,800	27,080	23,660	20,630	17,580	14,970
	K*DS006M4A**	2YL3R73KE	70,560	63,490	56,920	50,730	44,810	39,600	34,630	30,080	25,910	22,090	18,620
	K*DS007M4A**	2YA3R82KO	78,470	70,720	63,530	56,670	50,220	44,390	38,860	33,870	29,260	24,930	21,100
	K*DS008M4A**	3YA3R99KE	92,270	83,350	74,760	67,050	59,620	52,830	46,410	40,460	35,100	29,890	25,390
	K*DS010M4A**	3YB3R11ME	105,790	95,790	86,490	77,440	69,110	61,500	53,980	47,330	41,050	35,260	29,940
	K*DS012M4A**	3YF3R14ME	126,580	114,440	102,850	92,350	82,430	72,720	64,110	55,980	48,590	41,800	35,580
	K*DS015M4A**	3YS3R16ME	137,980	125,830	113,490	101,790	90,470	80,480	69,840	61,450	53,530	46,070	39,320
110°	K*DS004M4A**	2YC3R51KE	42,950	38,730	34,720	31,000	27,510	24,280	21,330	18,610	16,120	13,850	11,850
	K*DS005M4A**	2YD3R59KE	48,470	43,820	39,400	35,230	31,340	27,750	24,370	21,330	18,470	15,890	13,580
	K*DS006M4A**	2YL3R73KE	64,280	57,680	51,460	45,910	40,450	35,710	31,210	27,040	23,170	19,880	16,880
	K*DS007M4A**	2YA3R82KO	71,390	64,410	57,420	51,390	45,350	40,080	35,040	30,500	26,620	22,430	19,120
	K*DS008M4A**	3YA3R99KE	83,750	75,500	67,810	60,750	53,830	47,530	41,790	36,450	31,440	26,930	22,950
	K*DS010M4A**	3YB3R11ME	96,190	86,840	78,160	70,040	62,340	55,310	48,580	42,470	36,900	31,600	26,870
	K*DS012M4A**	3YF3R14ME	114,890	104,120	93,160	83,340	74,420	65,590	57,750	50,280	43,380	37,370	31,990
	K*DS015M4A**	3YS3R16ME	126,070	114,040	102,230	91,700	81,800	72,320	63,620	55,700	48,270	57,840	35,450

 Additional Compressor Cooling Recommended[†]

* Each asterisk represents a variable character based upon model, voltage, and vintage ordered. See page 4 for nomenclature.

[†] See page 20 for Additional Compressor Cooling Graph.

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

Published capacities are with 20°F total superheat. This provides a more accurate capacity at design conditions.

Multiply by 1.05 to 1.07 for approximate capacities at 65°F return gas temperature.

CAPACITY DATA (BTUH)

MEDIUM TEMPERATURE R455A DISCUS // 60 HZ†

Ambient Temp. (°F)	Model No.	Comp. Model No.	Suction Temperature (°F)										
			40°	35°	30°	25°	20°	15°	10°	5°	0°	-5°	-10°
90°	K*DS004M4A**	2YC3R51KE	53,800	48,690	43,770	39,130	34,810	30,780	26,980	23,510	20,250	17,320	14,640
	K*DS005M4A**	2YD3R59KE	60,700	55,080	49,660	44,490	39,640	35,180	30,940	27,040	23,310	19,960	16,870
	K*DS006M4A**	2YL3R73KE	79,580	71,800	64,310	57,420	50,730	44,740	39,220	34,100	29,280	24,970	20,980
	K*DS007M4A**	2YA3R82KO	88,560	79,930	71,890	64,270	56,990	50,380	44,240	38,490	33,060	28,280	23,810
	K*DS008M4A**	3YA3R99KE	104,260	94,350	85,060	76,220	67,690	60,110	52,830	46,130	39,700	34,080	28,680
	K*DS010M4A**	3YB3R11ME	120,130	109,140	98,530	88,410	78,740	69,990	61,760	54,010	46,800	40,140	34,000
	K*DS012M4A**	3YF3R14ME	143,650	129,810	116,830	104,510	93,430	83,080	73,210	63,960	55,220	47,530	40,210
	K*DS015M4A**	3YS3R16ME	156,810	142,550	128,230	115,430	103,470	91,660	81,100	70,890	61,470	52,790	44,440
95°	K*DS004M4A**	2YC3R51KE	51,550	46,550	41,780	37,330	33,170	29,340	25,730	22,410	19,300	16,520	13,990
	K*DS005M4A**	2YD3R59KE	58,150	52,680	47,460	42,550	37,920	33,540	29,500	25,750	22,240	18,990	16,080
	K*DS006M4A**	2YL3R73KE	76,360	68,680	61,480	54,810	48,660	42,840	37,460	32,520	28,040	23,740	20,080
	K*DS007M4A**	2YA3R82KO	84,930	76,640	68,820	61,310	54,490	48,110	42,210	36,690	31,560	26,950	22,770
	K*DS008M4A**	3YA3R99KE	100,160	90,410	81,300	72,800	64,910	57,340	50,280	44,040	37,910	32,280	27,400
	K*DS010M4A**	3YB3R11ME	115,300	104,560	94,110	84,490	75,500	66,800	58,980	51,540	44,570	38,200	32,430
	K*DS012M4A**	3YF3R14ME	137,230	124,040	111,680	100,490	89,740	79,320	69,840	60,950	52,680	45,210	38,340
	K*DS015M4A**	3YS3R16ME	150,700	136,540	123,100	110,480	98,540	87,540	77,150	67,510	58,680	50,340	42,650
100°	K*DS004M4A**	2YC3R51KE	49,260	44,470	39,840	35,580	31,620	27,930	24,500	21,320	18,390	15,740	13,330
	K*DS005M4A**	2YD3R59KE	55,550	50,350	45,350	40,550	36,190	31,950	28,110	24,500	21,160	18,120	15,340
	K*DS006M4A**	2YL3R73KE	73,070	65,830	58,800	52,350	46,380	40,840	35,720	30,950	26,600	22,690	19,070
	K*DS007M4A**	2YA3R82KO	81,340	73,340	65,700	58,740	51,940	45,900	40,200	34,900	30,090	25,690	21,690
	K*DS008M4A**	3YA3R99KE	95,820	86,710	77,630	69,380	61,790	54,660	47,930	41,810	36,120	30,710	26,050
	K*DS010M4A**	3YB3R11ME	110,430	99,800	90,060	80,570	71,970	63,670	56,130	49,040	42,480	36,210	30,820
	K*DS012M4A**	3YF3R14ME	131,370	119,430	106,930	95,740	85,230	75,640	66,560	57,910	50,220	42,750	36,430
	K*DS015M4A**	3YS3R16ME	144,470	131,200	118,250	105,400	93,950	83,570	73,640	64,260	55,810	47,490	40,490
110°	K*DS004M4A**	2YC3R51KE	44,620	40,190	36,080	32,180	28,490	25,160	22,070	19,220	16,620	14,300	12,190
	K*DS005M4A**	2YD3R59KE	50,280	45,480	40,940	36,570	32,530	28,800	25,310	22,070	19,120	16,410	13,980
	K*DS006M4A**	2YL3R73KE	66,430	59,520	53,260	47,400	41,840	36,770	32,150	27,890	23,980	20,480	17,290
	K*DS007M4A**	2YA3R82KO	74,050	66,660	59,610	53,010	46,920	41,390	36,250	31,430	27,020	23,070	19,550
	K*DS008M4A**	3YA3R99KE	87,260	78,410	70,540	62,810	55,690	49,240	43,140	37,550	32,350	27,580	23,410
	K*DS010M4A**	3YB3R11ME	100,240	90,610	81,460	72,860	64,790	57,370	50,390	44,100	37,980	32,620	27,670
	K*DS012M4A**	3YF3R14ME	120,100	108,290	96,890	87,000	77,000	68,200	59,750	52,050	44,850	38,380	32,720
	K*DS015M4A**	3YS3R16ME	131,630	118,480	106,520	95,590	85,140	75,180	66,180	57,600	49,690	42,650	36,390

 Additional Compressor Cooling Recommended†

* Each asterisk represents a variable character based upon model, voltage, and vintage ordered. See page 4 for nomenclature.

† See page 20 for Additional Compressor Cooling Graph.

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

Published capacities are with 20°F total superheat. This provides a more accurate capacity at design conditions.

Multiply by 1.05 to 1.07 for approximate capacities at 65°F return gas temperature.

CAPACITY DATA (BTUH)

EXTENDED RANGE MEDIUM TEMPERATURE // R454A SCROLL // 60 HZ[‡]

Ambient Temp. (°F)	Model No.	Comp. ModelNo.	Suction Temperature (°F)											
			40°	35°	30°	25°	20°	15°	10°	5°	0°	-5°	-10°	-20°
90°	K*OS004E4A**	YS26KAE	45,870	41,610	37,700	34,010	30,580	27,500	24,640	22,020	19,710	17,530	15,550	12,230
	K*OS005E4A**	YS30KAE	51,160	46,490	42,110	38,120	34,430	30,950	27,770	24,860	22,260	19,810	17,620	13,860
	K*OS006E4A**	YS33KAE	58,780	53,700	48,830	44,200	39,840	35,720	31,880	28,250	24,970	21,960	19,190	14,770
	K*OS007E4A**	YS40KAE	74,200	67,400	61,040	54,810	49,320	44,030	39,130	34,550	30,300	26,540	23,230	17,740
	K*OS008E4A**	YB51KAE	95,010	85,980	77,710	70,030	62,860	56,280	50,230	44,720	39,630	35,140	31,020	-
	K*OS009E4A**	YB56KAE	103,070	93,540	84,680	76,400	69,110	61,850	55,330	49,310	43,960	38,880	34,410	-
	K*OS010E4A**	YB68KAE	121,360	110,980	99,910	90,680	81,500	73,180	65,610	58,400	51,890	46,000	40,710	-
	K*OS013E4A**	YB83KAE	147,520	134,580	121,920	110,110	98,830	88,640	78,690	69,860	61,430	53,870	47,170	-
	K*OS015E4A**	YB100KAE	171,840	157,790	143,490	129,860	117,240	104,840	93,370	83,090	73,200	64,180	56,260	-
95°	K*OS004E4A**	YS26KAE	43,930	40,400	36,110	32,590	29,330	26,310	23,600	21,120	18,870	16,800	14,930	-
	K*OS005E4A**	YS30KAE	49,090	44,500	40,350	36,490	32,930	29,600	26,620	23,790	21,300	19,010	16,910	-
	K*OS006E4A**	YS33KAE	56,830	51,880	47,220	42,680	38,440	34,470	30,780	27,300	24,070	21,170	18,500	-
	K*OS007E4A**	YS40KAE	71,900	65,250	59,040	53,160	47,640	42,570	37,720	33,270	29,230	25,720	22,410	-
	K*OS008E4A**	YB51KAE	91,560	82,910	74,950	67,660	61,060	54,050	48,050	42,610	38,290	33,880	29,890	-
	K*OS009E4A**	YB56KAE	99,460	90,250	81,720	73,810	66,470	59,630	53,380	47,560	42,270	37,510	33,130	-
	K*OS010E4A**	YB68KAE	118,000	107,020	96,830	87,530	78,470	70,600	63,060	56,180	49,940	44,330	39,140	-
	K*OS013E4A**	YB83KAE	142,360	130,030	117,580	106,340	95,640	85,160	76,010	67,360	59,150	52,210	45,690	-
	K*OS015E4A**	YB100KAE	165,360	151,720	138,370	125,400	112,780	100,970	89,980	79,820	70,580	62,070	54,590	-
100°	K*OS004E4A**	YS26KAE	42,050	38,140	34,520	31,130	27,990	25,140	22,550	20,170	17,990	16,060	14,310	-
	K*OS005E4A**	YS30KAE	46,850	42,570	38,610	34,880	31,450	28,260	25,390	22,740	20,360	18,160	16,210	-
	K*OS006E4A**	YS33KAE	54,840	50,090	45,480	41,130	37,100	33,270	29,640	26,230	23,180	20,370	17,850	-
	K*OS007E4A**	YS40KAE	69,390	63,150	57,050	51,450	46,000	40,990	36,430	32,090	28,150	24,730	21,550	-
	K*OS008E4A**	YB51KAE	88,240	79,890	72,190	64,980	58,360	52,210	46,590	41,500	36,720	32,480	28,830	-
	K*OS009E4A**	YB56KAE	95,770	86,960	78,670	71,160	63,980	57,400	51,310	45,720	40,780	36,030	31,860	-
	K*OS010E4A**	YB68KAE	113,500	103,020	93,190	83,710	75,620	67,760	60,650	54,100	48,070	42,710	37,700	-
	K*OS013E4A**	YB83KAE	137,320	124,800	113,180	102,180	91,920	81,700	73,090	64,640	56,680	50,200	44,210	-
	K*OS015E4A**	YB100KAE	159,640	146,510	132,990	120,430	108,820	97,480	86,680	76,580	67,950	59,630	52,460	-
110°	K*OS004E4A**	YS26KAE	38,200	34,630	31,290	28,170	25,360	22,740	20,390	18,240	16,250	-	-	-
	K*OS005E4A**	YS30KAE	42,470	38,570	34,980	31,610	28,420	25,590	22,980	20,550	18,290	-	-	-
	K*OS006E4A**	YS33KAE	50,710	46,270	42,040	38,070	34,270	30,720	27,340	24,210	21,380	-	-	-
	K*OS007E4A**	YS40KAE	64,440	58,520	52,830	47,530	42,520	37,900	33,640	29,680	26,100	-	-	-
	K*OS008E4A**	YB51KAE	81,620	73,750	66,710	59,900	53,930	48,130	42,920	38,140	33,850	-	-	-
	K*OS009E4A**	YB56KAE	88,540	80,270	72,740	65,650	58,990	52,870	47,300	42,070	37,560	-	-	-
	K*OS010E4A**	YB68KAE	104,660	94,940	85,800	77,500	69,630	62,570	55,770	49,600	44,260	-	-	-
	K*OS013E4A**	YB83KAE	126,980	115,550	104,740	94,550	85,840	76,080	67,660	59,760	52,960	-	-	-
	K*OS015E4A**	YB100KAE	146,970	134,800	122,630	111,070	100,360	89,650	79,820	70,970	62,790	-	-	-

20°F Superheat Maximum

Additional Compressor Cooling Recommended[†]

* Each asterisk represents a variable character based upon model, voltage, and vintage ordered. See page 4 for nomenclature.

[†] See page 20 for Additional Compressor Cooling Graph.[‡] Multiply capacity by .83 when used with 50 Hz power.

Published capacities are with 20°F compressor superheat. This provides a more accurate capacity at design conditions.

Multiply by 1.05 to 1.07 for approximate capacities at 65°F return gas temperature.

CAPACITY DATA (BTUH)

EXTENDED RANGE MEDIUM TEMPERATURE // R454C SCROLL // 60 HZ[‡]

Ambient Temp. (°F)	Model No.	Comp. Model No.	Suction Temperature (°F)											
			40°	35°	30°	25°	20°	15°	10°	5°	0°	-5°	-10°	-20°
90°	K*OS004E4A**	YS26KAE	36,640	33,010	29,610	26,510	23,680	21,150	18,820	16,710	14,790	13,060	11,560	-
	K*OS005E4A**	YS30KAE	41,050	36,960	33,290	29,830	26,740	23,870	21,260	18,940	16,760	14,810	13,110	-
	K*OS006E4A**	YS33KAE	51,100	46,460	42,130	37,940	34,000	30,330	26,970	23,780	20,840	18,220	15,890	-
	K*OS007E4A**	YS40KAE	63,700	57,730	51,980	46,610	41,660	37,070	32,790	28,810	25,200	21,940	19,160	-
	K*OS008E4A**	YB51KAE	79,770	72,380	65,510	58,890	52,870	47,390	42,260	37,600	33,210	29,230	25,740	-
	K*OS009E4A**	YB56KAE	87,120	79,010	71,650	64,700	58,230	52,300	46,710	41,560	36,740	32,560	28,660	-
	K*OS010E4A**	YB68KAE	103,370	94,050	85,190	76,840	69,120	61,970	55,480	49,310	43,580	38,530	34,020	-
	K*OS013E4A**	YB83KAE	128,360	116,580	105,630	94,700	84,530	75,190	66,420	58,530	51,470	44,930	39,380	-
	K*OS015E4A**	YB100KAE	149,980	136,770	124,220	112,030	100,150	89,180	79,410	69,930	61,400	53,660	47,150	-
95°	K*OS004E4A**	YS26KAE	35,020	31,520	28,330	25,320	22,610	20,170	17,920	15,890	14,080	12,480	11,040	-
	K*OS005E4A**	YS30KAE	39,240	35,400	31,840	28,510	25,490	22,760	20,270	18,020	15,970	14,150	12,510	-
	K*OS006E4A**	YS33KAE	49,360	44,870	40,660	36,620	32,830	29,270	25,960	22,910	20,080	17,590	15,300	-
	K*OS007E4A**	YS40KAE	61,620	55,800	50,340	45,020	40,180	35,740	31,580	27,710	24,230	21,120	18,470	-
	K*OS008E4A**	YB51KAE	77,020	69,770	63,100	56,930	51,040	45,620	40,680	36,180	31,920	28,200	24,730	-
	K*OS009E4A**	YB56KAE	83,920	76,220	69,100	62,480	56,180	50,390	44,900	40,040	35,340	31,270	27,460	-
	K*OS010E4A**	YB68KAE	99,680	90,520	82,120	73,940	66,640	59,610	53,270	47,380	42,030	37,040	32,720	-
	K*OS013E4A**	YB83KAE	123,880	112,720	101,850	91,270	81,460	72,390	64,010	56,490	49,310	43,280	37,970	-
	K*OS015E4A**	YB100KAE	143,210	131,530	119,070	107,860	97,570	83,390	74,610	67,050	58,820	51,610	45,260	-
100°	K*OS004E4A**	YS26KAE	33,460	30,090	26,990	24,100	21,540	19,210	17,060	15,150	13,430	-	-	-
	K*OS005E4A**	YS30KAE	37,410	33,710	30,380	27,120	24,280	21,670	19,290	17,150	15,190	-	-	-
	K*OS006E4A**	YS33KAE	47,600	43,270	39,180	35,260	31,600	28,140	24,950	22,020	19,300	-	-	-
	K*OS007E4A**	YS40KAE	59,600	53,890	48,570	43,380	38,820	34,390	30,460	26,770	23,380	-	-	-
	K*OS008E4A**	YB51KAE	74,020	67,100	60,710	54,630	49,040	43,950	39,130	34,650	30,730	-	-	-
	K*OS009E4A**	YB56KAE	80,760	73,330	66,430	59,970	54,040	48,320	43,210	38,430	34,040	-	-	-
	K*OS010E4A**	YB68KAE	95,840	87,090	78,770	71,060	63,940	57,260	51,170	45,450	40,400	-	-	-
	K*OS013E4A**	YB83KAE	119,140	108,180	97,670	87,920	78,650	69,580	61,660	54,340	47,480	-	-	-
	K*OS015E4A**	YB100KAE	138,660	126,750	114,460	103,590	92,860	82,560	73,150	64,570	55,840	-	-	-
110°	K*OS004E4A**	YS26KAE	30,230	27,130	24,290	21,740	19,360	17,260	15,320	13,610	-	-	-	-
	K*OS005E4A**	YS30KAE	33,870	30,420	27,260	24,410	21,800	19,460	17,330	15,410	-	-	-	-
	K*OS006E4A**	YS33KAE	44,030	40,000	36,180	32,520	29,100	25,930	22,980	20,220	-	-	-	-
	K*OS007E4A**	YS40KAE	55,110	49,880	44,890	40,120	35,790	31,770	28,000	24,620	-	-	-	-
	K*OS008E4A**	YB51KAE	68,430	62,010	55,960	50,250	45,080	40,370	35,870	31,850	-	-	-	-
	K*OS009E4A**	YB56KAE	74,500	67,600	61,190	55,140	49,520	44,450	39,660	35,210	-	-	-	-
	K*OS010E4A**	YB68KAE	88,100	80,080	72,390	65,360	58,760	52,570	46,900	41,670	-	-	-	-
	K*OS013E4A**	YB83KAE	109,970	99,730	90,100	80,720	72,370	64,140	56,790	49,890	-	-	-	-
	K*OS015E4A**	YB100KAE	128,080	116,860	105,440	95,250	85,480	75,740	67,250	59,380	-	-	-	-

20°F Superheat Maximum Additional Compressor Cooling Recommended[†]

* Each asterisk represents a variable character based upon model, voltage, and vintage ordered. See page 4 for nomenclature.

[†] See page 20 for Additional Compressor Cooling Graph.

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

Published capacities are with 20°F compressor superheat. This provides a more accurate capacity at design conditions.

Multiply by 1.05 to 1.07 for approximate capacities at 65°F return gas temperature.

CAPACITY DATA (BTUH)

EXTENDED RANGE MEDIUM TEMPERATURE // R455A SCROLL // 60 HZ†

Ambient Temp. (°F)	Model No.	Comp. Model No.	Suction Temperature (°F)											
			40°	35°	30°	25°	20°	15°	10°	5°	0°	-5°	-10°	-20°
90°	K*OS004E4A**	YS26KAE	40,070	36,120	32,500	29,120	26,020	23,160	20,620	18,310	16,260	14,390	-	-
	K*OS005E4A**	YS30KAE	44,930	40,540	36,530	32,870	29,310	26,230	23,370	20,770	18,410	16,310	-	-
	K*OS006E4A**	YS33KAE	53,740	48,920	44,290	39,930	35,780	31,890	28,280	24,990	21,910	19,160	-	-
	K*OS007E4A**	YS40KAE	66,840	60,500	54,600	48,930	43,660	38,740	34,210	30,090	26,370	23,040	-	-
	K*OS008E4A**	YB51KAE	85,510	77,370	69,710	62,580	55,850	49,900	44,390	39,370	34,780	31,610	-	-
	K*OS009E4A**	YB56KAE	93,340	84,530	76,300	68,820	61,620	55,180	49,130	43,600	38,620	34,040	-	-
	K*OS010E4A**	YB68KAE	111,000	100,570	90,930	81,980	73,430	65,770	58,470	51,890	45,960	40,600	-	-
	K*OS013E4A**	YB83KAE	134,960	122,740	110,720	99,540	89,250	79,390	70,190	61,780	54,110	47,530	-	-
	K*OS015E4A**	YB100KAE	157,120	143,860	130,020	117,390	105,740	94,170	83,700	73,730	64,760	56,860	-	-
95°	K*OS004E4A**	YS26KAE	38,310	34,550	31,050	27,750	24,810	22,130	19,700	17,460	15,490	13,700	-	-
	K*OS005E4A**	YS30KAE	42,970	38,760	34,940	31,330	27,990	25,010	22,270	19,810	17,560	15,560	-	-
	K*OS006E4A**	YS33KAE	51,870	47,190	42,740	38,440	34,480	30,750	27,250	24,060	22,090	18,460	-	-
	K*OS007E4A**	YS40KAE	64,540	58,450	52,670	47,270	42,080	37,340	33,090	29,070	25,380	22,180	-	-
	K*OS008E4A**	YB51KAE	82,410	74,530	67,200	60,320	53,900	48,070	42,700	37,910	33,500	29,470	-	-
	K*OS009E4A**	YB56KAE	89,820	81,370	73,370	66,150	59,290	53,120	47,240	41,990	37,070	32,400	-	-
	K*OS010E4A**	YB68KAE	106,900	96,770	87,410	78,630	70,700	63,040	56,230	49,870	44,180	38,960	-	-
	K*OS013E4A**	YB83KAE	129,860	118,200	106,780	96,090	85,780	76,340	67,540	59,510	52,340	45,720	-	-
	K*OS015E4A**	YB100KAE	151,700	137,820	125,500	113,650	101,670	90,510	80,460	70,890	62,430	54,700	-	-
100°	K*OS004E4A**	YS26KAE	36,550	32,940	29,560	26,440	23,610	21,070	18,740	16,620	14,610	-	-	-
	K*OS005E4A**	YS30KAE	40,950	36,940	33,280	29,790	26,650	23,800	21,180	18,810	16,710	-	-	-
	K*OS006E4A**	YS33KAE	50,050	45,490	41,150	37,010	33,220	29,570	26,210	23,110	20,270	-	-	-
	K*OS007E4A**	YS40KAE	62,340	56,430	50,760	45,490	40,550	36,030	31,790	27,920	24,460	-	-	-
	K*OS008E4A**	YB51KAE	79,240	71,630	64,440	57,920	51,700	46,210	41,110	36,350	32,140	-	-	-
	K*OS009E4A**	YB56KAE	86,490	78,270	70,710	63,630	57,130	51,010	45,380	40,420	34,240	-	-	-
	K*OS010E4A**	YB68KAE	102,900	93,140	83,900	75,470	67,750	60,530	53,960	47,890	42,310	-	-	-
	K*OS013E4A**	YB83KAE	124,980	113,810	102,600	92,160	82,410	73,470	65,060	57,250	50,320	-	-	-
	K*OS015E4A**	YB100KAE	146,120	133,520	120,820	108,880	97,880	87,060	77,390	68,320	60,150	-	-	-
110°	K*OS004E4A**	YS26KAE	33,060	29,670	26,640	23,800	21,210	18,890	16,800	-	-	-	-	-
	K*OS005E4A**	YS30KAE	36,980	33,300	29,970	26,820	23,920	21,360	19,010	-	-	-	-	-
	K*OS006E4A**	YS33KAE	46,150	41,970	37,950	34,090	30,540	27,210	24,080	-	-	-	-	-
	K*OS007E4A**	YS40KAE	57,870	52,310	46,990	41,950	37,390	33,210	29,270	-	-	-	-	-
	K*OS008E4A**	YB51KAE	73,040	65,990	59,310	53,300	47,550	42,460	37,650	-	-	-	-	-
	K*OS009E4A**	YB56KAE	79,590	72,190	65,040	58,520	52,320	46,860	41,620	-	-	-	-	-
	K*OS010E4A**	YB68KAE	94,500	85,650	77,230	69,320	62,190	55,620	49,390	-	-	-	-	-
	K*OS013E4A**	YB83KAE	115,320	104,830	94,680	84,880	75,850	67,630	59,880	-	-	-	-	-
	K*OS015E4A**	YB100KAE	134,220	122,780	110,990	100,130	89,740	80,280	71,270	-	-	-	-	-

20°F Superheat Maximum Additional Compressor Cooling Recommended†

* Each asterisk represents a variable character based upon model, voltage, and vintage ordered. See page 4 for nomenclature.

† See page 20 for Additional Compressor Cooling Graph.

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

Published capacities are with 20°F compressor superheat. This provides a more accurate capacity at design conditions.

Multiply by 1.05 to 1.07 for approximate capacities at 65°F return gas temperature.

CAPACITY DATA (BTUH)

EXTENDED RANGE MEDIUM TEMPERATURE // R454C BITZER // 60 HZ†

Ambient Temp. (°F)	Model No.	Comp. Model No.	Suction Temperature (°F)											
			40°	35°	30°	25°	20°	15°	10°	5°	0°	-5°	-10°	-20°
90°	K*BS003E4A**	2DES-3	43,190	38,850	34,850	31,110	27,650	24,450	21,550	18,860	16,400	14,200	12,130	8,710
	K*BS004E4A**	2CES-4	52,960	47,850	43,080	38,570	34,460	30,500	27,060	23,800	20,810	18,090	15,630	11,340
	K*BS005E4A**	4FES-5	57,600	51,950	46,820	41,950	37,450	33,260	29,390	25,850	22,600	19,640	16,960	12,270
	K*BS006E4A**	4EES-6	76,590	68,880	61,890	54,940	48,830	43,250	38,080	33,300	28,940	25,050	21,420	15,410
	K*BS007E4A**	4DES-7	86,410	77,750	69,430	62,110	55,150	48,850	43,010	37,670	32,650	28,140	24,360	17,500
	K*BS008E4A**	4CES-9	105,610	95,450	85,900	76,950	68,820	61,140	54,000	47,560	41,630	36,160	31,190	22,730
	K*BS010E4A**	4TES-12	125,510	113,260	101,610	91,030	81,110	71,900	63,350	55,450	48,040	41,540	35,630	25,240
	K*BS012E4A**	4PES-15	145,210	130,540	116,810	103,950	92,050	81,340	71,300	62,020	53,540	46,170	39,250	27,220
	K*BS015E4A**	4NES-20	167,950	151,240	136,440	121,880	108,090	95,660	84,510	74,020	64,310	55,190	47,720	33,930
95°	K*BS003E4A**	2DES-3	41,440	37,270	33,380	29,720	26,400	23,330	20,490	17,880	15,520	13,380	11,440	8,120
	K*BS004E4A**	2CES-4	50,880	45,910	41,270	36,900	32,900	29,210	25,730	22,630	19,720	16,980	14,710	10,650
	K*BS005E4A**	4FES-5	55,200	49,830	44,770	40,110	35,720	31,660	27,940	24,550	21,450	18,560	15,960	11,470
	K*BS006E4A**	4EES-6	73,560	66,080	59,050	52,370	46,420	41,070	36,090	31,540	27,420	23,580	20,130	14,380
	K*BS007E4A**	4DES-7	82,760	74,310	66,620	59,440	52,620	46,620	40,870	35,740	31,040	26,660	22,870	16,340
	K*BS008E4A**	4CES-9	101,370	91,550	82,260	73,800	65,590	58,240	51,470	45,170	39,500	34,240	29,440	20,670
	K*BS010E4A**	4TES-12	120,100	108,270	97,170	86,940	77,050	68,180	59,910	52,460	45,580	37,860	33,520	23,670
	K*BS012E4A**	4PES-15	138,660	124,700	111,270	98,870	88,030	77,050	67,420	58,550	50,370	41,560	36,600	23,740
	K*BS015E4A**	4NES-20	160,290	144,520	129,290	115,520	102,900	90,880	80,040	70,060	60,910	52,560	44,800	31,210
100°	K*BS003E4A**	2DES-3	39,720	35,650	31,880	28,390	25,140	22,170	19,430	16,940	14,640	12,570	10,680	7,540
	K*BS004E4A**	2CES-4	48,760	43,960	39,480	35,230	31,370	27,760	24,470	21,460	18,640	16,140	13,800	9,910
	K*BS005E4A**	4FES-5	52,880	47,630	42,760	38,240	34,000	30,140	26,540	23,250	20,330	17,470	14,950	10,670
	K*BS006E4A**	4EES-6	70,450	63,250	56,470	50,280	44,390	39,100	34,340	29,860	25,760	22,160	19,000	13,450
	K*BS007E4A**	4DES-7	79,300	71,110	63,680	56,640	50,110	44,300	38,760	33,860	29,240	25,100	21,390	15,130
	K*BS008E4A**	4CES-9	97,140	87,380	78,670	70,190	62,510	55,430	48,870	42,820	37,350	32,090	27,700	19,910
	K*BS010E4A**	4TES-12	114,670	103,300	92,770	82,560	73,380	64,740	56,700	49,550	42,600	36,740	31,250	21,960
	K*BS012E4A**	4PES-15	132,570	119,030	106,040	93,980	83,450	72,840	63,750	55,090	47,300	40,420	33,990	23,270
	K*BS015E4A**	4NES-20	153,020	137,340	123,210	109,730	97,780	86,300	75,940	66,110	57,370	49,310	41,970	29,440
110°	K*BS003E4A**	2DES-3	36,250	32,430	28,970	25,670	22,630	19,860	17,350	15,000	12,790	11,040	9,260	6,380
	K*BS004E4A**	2CES-4	44,530	40,010	35,870	31,950	28,360	24,970	21,900	19,100	16,540	14,240	12,090	8,490
	K*BS005E4A**	4FES-5	48,240	43,380	38,790	34,580	30,670	27,040	23,680	20,660	17,160	15,360	12,980	9,110
	K*BS006E4A**	4EES-6	64,360	57,740	51,200	45,420	39,970	35,130	30,660	26,530	22,840	19,500	16,430	11,410
	K*BS007E4A**	4DES-7	72,320	64,670	57,650	51,180	45,170	39,670	34,640	29,960	26,020	22,080	19,020	12,890
	K*BS008E4A**	4CES-9	88,790	79,710	71,460	63,720	56,490	49,880	43,780	38,280	33,090	28,390	24,230	17,020
	K*BS010E4A**	4TES-12	104,230	93,440	83,000	74,280	65,610	57,820	50,380	43,770	37,570	31,910	26,900	18,440
	K*BS012E4A**	4PES-15	119,750	107,260	95,470	84,360	74,430	64,600	56,090	48,230	41,300	34,530	28,950	19,260
	K*BS015E4A**	4NES-20	138,420	124,320	111,080	98,950	87,650	76,920	67,300	58,280	50,220	42,620	36,140	24,860

 Additional Compressor Cooling Recommended†

* Each asterisk represents a variable character based upon model, voltage, and vintage ordered. See page 4 for nomenclature.

† See page 21 for Additional Compressor Cooling Graph.

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

Published capacities are with 20°F compressor superheat. This provides a more accurate capacity at design conditions.

Multiply by 1.05 to 1.07 for approximate capacities at 65°F return gas temperature.

CAPACITY DATA (BTUH)

EXTENDED RANGE MEDIUM TEMPERATURE // R455A BITZER // 60 HZ†

Ambient Temp. (°F)	Model No.	Comp. Model No.	Suction Temperature (°F)											
			40°	35°	30°	25°	20°	15°	10°	5°	0°	-5°	-10°	-20°
90°	K*BS003E4A**	2DES-3	45,080	40,490	36320	32210	28650	25290	22210	19390	16810	14280	12390	-
	K*BS004E4A**	2CES-4	55,490	50,050	44970	40170	35850	31810	28070	24620	21430	18550	15980	-
	K*BS005E4A**	4FES-5	60,150	54,350	48830	43610	38900	34520	30470	26730	23340	20180	17290	-
	K*BS006E4A**	4EES-6	79,960	71,810	64250	57110	50530	44520	39100	34130	29570	25510	21810	-
	K*BS007E4A**	4DES-7	89,890	80,940	72580	64690	57160	50490	44360	38760	33630	29020	24680	-
	K*BS008E4A**	4CES-9	110,580	99,690	89700	80260	71490	63520	56020	49130	42790	37080	31920	-
	K*BS010E4A**	4TES-12	131,090	118,300	106230	94940	84380	74530	65670	57350	49640	42690	36390	-
	K*BS012E4A**	4PES-15	151,600	136,060	121730	108410	95880	84220	73890	63970	55000	47820	39830	-
	K*BS015E4A**	4NES-20	174,230	157,670	140460	126030	110840	99500	87780	76750	66340	56790	48780	-
95°	K*BS003E4A**	2DES-3	43,250	38,770	34,690	30,860	27,320	24,120	21,120	18,380	15,860	13,620	11,610	-
	K*BS004E4A**	2CES-4	53,280	47,980	43,070	38,470	34,190	30,290	26,700	23,370	20,310	17,550	15,020	-
	K*BS005E4A**	4FES-5	57,730	52,060	46,720	41,790	37,190	32,900	28,960	25,360	22,060	19,030	16,280	-
	K*BS006E4A**	4EES-6	76,760	68,830	61,480	54,450	48,340	42,480	37,160	32,340	27,970	24,030	20,480	-
	K*BS007E4A**	4DES-7	86,230	77,590	69,110	61,690	54,560	48,110	42,150	36,690	31,760	27,190	23,250	-
	K*BS008E4A**	4CES-9	106,300	95,740	85,920	76,770	68,210	60,520	53,340	46,630	40,590	35,060	30,100	-
	K*BS010E4A**	4TES-12	125,420	113,050	101,390	90,390	80,350	70,810	62,320	54,330	46,730	39,810	34,080	-
	K*BS012E4A**	4PES-15	145,070	130,070	115,860	103,020	91,170	79,730	69,610	60,340	51,890	43,810	37,000	-
	K*BS015E4A**	4NES-20	167,070	150,790	135,790	121,100	107,040	94,630	83,180	72,430	62,480	53,770	45,650	-
100°	K*BS003E4A**	2DES-3	41,490	37,170	33,160	29,490	26,010	22,890	20,020	17,360	14,960	12,780	10,880	-
	K*BS004E4A**	2CES-4	50,980	45,930	41,160	36,650	32,600	28,810	25,340	22,120	19,160	16,480	14,110	-
	K*BS005E4A**	4FES-5	55,250	49,790	44,640	39,810	35,390	31,260	27,460	23,980	20,770	17,860	15,270	-
	K*BS006E4A**	4EES-6	73,300	65,970	58,590	52,130	45,840	40,370	35,290	30,570	26,360	22,580	19,270	-
	K*BS007E4A**	4DES-7	82,760	74,160	66,120	58,770	51,900	45,630	40,000	34,750	29,820	25,510	21,740	-
	K*BS008E4A**	4CES-9	101,810	91,800	82,410	73,390	65,110	57,600	50,670	44,210	38,370	32,980	28,180	-
	K*BS010E4A**	4TES-12	119,720	108,020	96,840	85,950	76,160	67,030	58,760	51,130	43,910	37,360	31,810	-
	K*BS012E4A**	4PES-15	138,710	123,650	110,240	97,610	86,140	75,400	65,610	56,500	48,400	40,870	34,410	-
	K*BS015E4A**	4NES-20	159,330	143,810	128,210	115,090	101,700	89,500	78,640	68,320	58,750	50,180	42,770	-
110°	K*BS003E4A**	2DES-3	37,800	33,840	30,040	26,560	23,410	20,520	17,830	15,380	13,190	11,120	9,400	-
	K*BS004E4A**	2CES-4	46,630	41,820	37,370	33,310	29,430	25,930	22,660	19,690	16,850	14,480	12,320	-
	K*BS005E4A**	4FES-5	50,360	45,300	40,490	36,030	31,800	28,040	24,530	21,260	18,360	15,600	13,260	-
	K*BS006E4A**	4EES-6	67,270	60,000	53,200	47,170	41,310	36,220	31,390	27,100	23,210	19,760	16,710	-
	K*BS007E4A**	4DES-7	75,570	67,620	60,290	53,170	46,720	40,960	35,580	30,710	26,270	22,370	18,860	-
	K*BS008E4A**	4CES-9	93,010	83,400	74,580	66,470	58,890	51,800	45,280	39,370	34,010	29,010	24,690	-
	K*BS010E4A**	4TES-12	108,420	97,290	86,830	77,220	67,950	59,440	51,820	44,750	38,200	32,090	27,070	-
	K*BS012E4A**	4PES-15	125,270	111,720	98,680	87,020	76,420	66,450	57,460	49,340	41,460	34,500	28,820	-
	K*BS015E4A**	4NES-20	144,860	129,890	115,490	102,760	90,590	79,250	69,310	59,780	51,150	43,520	36,400	-

20°F Superheat Maximum Additional Compressor Cooling Recommended†

* Each asterisk represents a variable character based upon model, voltage, and vintage ordered. See page 4 for nomenclature.

† See page 21 for Additional Compressor Cooling Graph.

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

Published capacities are with 20°F compressor superheat. This provides a more accurate capacity at design conditions.

Multiply by 1.05 to 1.07 for approximate capacities at 65°F return gas temperature.

CAPACITY DATA (BTUH)

LOW TEMPERATURE // R454A DISCUS // 60 HZ*

Ambient Temp. (°F)	Model No.	Comp. Model No.	Suction Temperature (°F)								
			0°	-5°	-10°	-15°	-20°	-25°	-30°	-35°	-40°
90°	K*DS003L4A**	2YF3F13KE	30,630	26,680	23,060	19,790	16,860	14,250	12,000	10,040	8,360
	K*DS004L4A**	2YL3F15KE	33,900	29,610	25,600	21,980	18,760	15,860	13,350	11,170	9,320
	K*DS005L4A**	2YA3F17KE	37,790	33,090	28,690	24,720	21,070	17,830	15,010	12,510	10,380
	K*DS006L4A**	3YA3F21KE	48,290	42,060	36,240	30,980	26,260	22,100	18,460	15,310	12,630
	K*DS008L4A**	3YB3F24KE	56,300	49,130	42,400	36,410	30,900	26,080	21,860	18,170	15,040
	K*DS009L4A**	3YF3F29K0	66,150	57,700	49,880	43,000	36,630	30,980	26,030	21,650	17,850
	K*DS010L4A**	3YS3F33KE	72,830	63,700	55,320	47,860	40,660	34,380	28,920	24,070	19,830
	K*DS012L4A**	4YBNF40KE	87,000	76,370	66,460	57,490	49,150	41,640	35,070	29,290	24,210
	K*DS015L4A**	4YHNF46KE	97,810	86,530	75,240	65,400	56,120	47,780	40,250	33,720	27,870
	K*DS022L4A**	4YJDF59KE	119,940	105,770	92,540	79,970	68,700	58,670	49,420	41,340	34,490
95°	K*DS003L4A**	2YF3F13KE	29,410	25,560	22,040	18,890	16,060	13,550	11,380	9,490	7,880
	K*DS004L4A**	2YL3F15KE	32,520	28,320	24,470	20,990	17,860	15,050	12,670	10,570	8,800
	K*DS005L4A**	2YA3F17KE	36,140	31,580	27,390	23,530	20,070	16,990	14,230	11,850	9,790
	K*DS006L4A**	3YA3F21KE	46,290	40,220	34,550	29,550	25,000	20,960	17,460	14,440	11,930
	K*DS008L4A**	3YB3F24KE	53,370	46,980	40,530	34,710	29,400	24,800	20,670	17,130	14,180
	K*DS009L4A**	3YF3F29K0	63,350	55,270	47,840	40,920	34,920	29,420	24,640	20,410	16,840
	K*DS010L4A**	3YS3F33KE	69,810	60,940	52,720	45,320	38,600	32,640	27,360	22,730	18,700
	K*DS012L4A**	4YBNF40KE	83,330	73,000	63,510	54,710	46,780	39,580	33,250	27,610	22,840
	K*DS015L4A**	4YHNF46KE	93,550	82,280	71,850	62,170	53,330	45,400	38,150	32,020	26,260
	K*DS022L4A**	4YJDF59KE	114,720	100,800	87,930	76,150	65,300	55,580	47,040	39,280	32,670
100°	K*DS003L4A**	2YF3F13KE	28,150	24,460	21,090	18,030	15,270	12,850	10,770	8,960	7,440
	K*DS004L4A**	2YL3F15KE	31,140	27,050	23,360	19,970	16,950	14,270	11,970	9,980	8,290
	K*DS005L4A**	2YA3F17KE	34,500	30,170	26,080	22,400	19,060	16,070	13,460	11,190	9,240
	K*DS006L4A**	3YA3F21KE	44,230	38,320	32,930	28,070	23,720	19,850	16,520	13,760	11,250
	K*DS008L4A**	3YB3F24KE	51,550	44,800	38,560	32,950	27,920	23,420	19,530	16,180	13,360
	K*DS009L4A**	3YF3F29K0	60,600	52,820	45,520	38,860	33,070	27,850	23,320	19,280	15,850
	K*DS010L4A**	3YS3F33KE	66,690	58,060	50,220	43,060	36,580	30,830	25,860	21,390	17,590
	K*DS012L4A**	4YBNF40KE	79,450	69,540	60,290	51,920	44,270	37,340	31,350	26,020	21,440
	K*DS015L4A**	4YHNF46KE	89,300	78,450	68,330	59,050	50,380	42,700	36,040	29,950	24,720
	K*DS022L4A**	4YJDF59KE	109,440	96,100	83,610	72,270	61,950	52,540	44,430	36,980	30,700
110°	K*DS003L4A**	2YF3F13KE	25,710	22,230	19,100	16,230	13,690	11,470	9,540	7,890	6,500
	K*DS004L4A**	2YL3F15KE	28,340	24,560	21,100	17,980	15,180	12,710	10,600	8,780	7,270
	K*DS005L4A**	2YA3F17KE	31,170	27,210	23,480	20,110	17,060	14,320	11,960	9,890	8,120
	K*DS006L4A**	3YA3F21KE	39,940	34,560	29,650	25,140	21,140	17,630	14,640	12,090	9,980
	K*DS008L4A**	3YB3F24KE	46,690	40,550	34,700	29,550	24,900	20,820	17,260	14,220	11,660
	K*DS009L4A**	3YF3F29K0	54,950	47,660	40,970	34,920	29,490	24,720	20,520	16,920	13,860
	K*DS010L4A**	3YS3F33KE	60,310	52,480	45,180	38,590	32,620	27,380	22,780	18,780	15,360
	K*DS012L4A**	4YBNF40KE	71,750	62,760	54,180	46,430	39,430	33,070	27,600	22,740	18,690
	K*DS015L4A**	4YHNF46KE	80,370	70,770	61,420	52,680	45,080	37,780	31,680	26,190	21,560
	K*DS022L4A**	4YJDF59KE	99,750	87,210	74,530	65,000	55,310	46,850	39,110	32,450	25,780

 Additional Compressor Cooling Recommended†

* Each asterisk represents a variable character based upon model, voltage, and vintage ordered. See page 4 for nomenclature.

† See page 21 for Additional Compressor Cooling Graph.

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

Published capacities are with 20°F compressor superheat. This provides a more accurate capacity at design conditions.

Multiply by 1.1 to 1.15 for approximate capacities at 65°F return gas temperature.

CAPACITY DATA (BTUH)

LOW TEMPERATURE // R454C DISCUS // 60 HZ†

Ambient Temp. (°F)	Model No.	Comp. Model No.	Suction Temperature (°F)								
			0°	-5°	-10°	-15°	-20°	-25°	-30°	-35°	-40°
90°	K*DS003L4A**	2YF3F13KE	25,120	21,730	18,660	15,940	13,510	11,380	9,500	7,910	6,520
	K*DS004L4A**	2YL3F15KE	27,870	24,140	20,750	17,700	15,000	12,640	10,590	8,810	7,280
	K*DS005L4A**	2YA3F17KE	31,280	27,080	23,320	19,900	16,870	14,230	11,950	9,900	8,140
	K*DS006L4A**	3YA3F21KE	39,390	34,020	28,980	24,640	20,750	17,400	14,490	11,970	9,820
	K*DS008L4A**	3YB3F24KE	46,120	39,750	34,040	28,920	24,360	20,450	17,070	14,150	11,670
	K*DS009L4A**	3YF3F29K0	54,470	47,200	40,440	34,420	28,990	24,450	20,430	16,920	13,940
	K*DS010L4A**	3YS3F33KE	60,160	52,180	44,900	38,280	32,320	27,240	22,730	18,830	15,510
	K*DS012L4A**	4YBNF40KE	72,270	62,920	54,050	46,220	39,200	33,110	27,700	22,950	18,890
	K*DS015L4A**	4YHNF46KE	81,970	71,370	62,030	52,810	45,020	38,090	31,920	26,550	21,900
	K*DS022L4A**	4YJDF59KE	99,910	87,520	75,750	64,770	55,100	46,750	39,290	32,750	26,990
95°	K*DS003L4A**	2YF3F13KE	24,050	20,760	17,800	15,140	12,830	10,780	9,000	7,460	6,140
	K*DS004L4A**	2YL3F15KE	26,650	23,030	19,730	16,840	14,230	11,970	10,000	8,320	6,860
	K*DS005L4A**	2YA3F17KE	29,880	25,810	22,150	18,920	16,050	13,500	11,260	9,340	7,670
	K*DS006L4A**	3YA3F21KE	37,580	32,330	27,490	23,340	19,700	16,440	13,680	11,310	9,270
	K*DS008L4A**	3YB3F24KE	43,960	37,890	32,390	27,390	23,080	19,340	16,120	13,350	11,010
	K*DS009L4A**	3YF3F29K0	51,770	44,910	38,550	32,760	27,550	23,110	19,270	15,990	13,170
	K*DS010L4A**	3YS3F33KE	57,550	49,730	42,620	36,340	30,680	25,750	21,460	17,760	14,620
	K*DS012L4A**	4YBNF40KE	68,070	59,910	51,470	44,030	37,350	31,340	26,090	21,630	17,810
	K*DS015L4A**	4YHNF46KE	78,180	68,090	58,780	50,370	42,700	36,000	30,060	24,990	20,620
	K*DS022L4A**	4YJDF59KE	95,060	83,760	71,820	61,500	52,310	44,140	36,990	30,820	25,530
100°	K*DS003L4A**	2YF3F13KE	22,880	19,790	16,910	14,380	12,130	10,170	8,480	7,020	5,790
	K*DS004L4A**	2YL3F15KE	25,460	21,970	18,770	15,980	13,500	11,320	9,450	7,830	6,460
	K*DS005L4A**	2YA3F17KE	28,500	24,570	21,080	17,940	15,190	12,760	10,660	8,810	7,230
	K*DS006L4A**	3YA3F21KE	35,760	30,760	26,140	22,150	18,560	15,530	12,890	10,640	8,670
	K*DS008L4A**	3YB3F24KE	41,930	36,090	30,630	25,970	21,900	18,280	15,200	12,570	10,360
	K*DS009L4A**	3YF3F29K0	49,360	42,670	36,440	31,000	26,140	21,840	18,170	15,040	12,390
	K*DS010L4A**	3YS3F33KE	54,980	47,350	40,550	34,470	29,030	24,290	20,210	16,750	13,770
	K*DS012L4A**	4YBNF40KE	64,990	56,950	48,910	41,670	35,280	29,570	24,680	20,330	16,870
	K*DS015L4A**	4YHNF46KE	74,090	64,770	55,720	47,450	40,350	34,010	28,320	23,520	19,370
	K*DS022L4A**	4YJDF59KE	90,220	79,110	68,090	58,260	49,470	41,790	34,920	29,100	23,930
110°	K*DS003L4A**	2YF3F13KE	20,690	17,790	15,200	12,890	10,790	9,030	7,500	6,190	5,080
	K*DS004L4A**	2YL3F15KE	23,000	19,740	16,840	14,290	11,970	10,020	8,330	6,890	5,680
	K*DS005L4A**	2YA3F17KE	25,630	22,040	18,820	16,000	13,480	11,300	9,410	7,780	6,400
	K*DS006L4A**	3YA3F21KE	32,100	27,460	23,320	19,500	16,450	13,720	11,370	9,400	7,700
	K*DS008L4A**	3YB3F24KE	37,790	32,390	27,470	23,160	19,350	16,140	13,380	11,040	9,110
	K*DS009L4A**	3YF3F29K0	44,490	38,430	32,730	27,700	23,100	19,270	16,010	13,200	10,900
	K*DS010L4A**	3YS3F33KE	48,920	42,540	36,250	30,610	25,710	21,430	17,780	14,690	12,150
	K*DS012L4A**	4YBNF40KE	59,040	51,010	43,670	37,000	31,180	26,030	21,630	17,880	14,790
	K*DS015L4A**	4YHNF46KE	66,840	57,970	49,540	42,380	35,640	29,990	24,970	20,630	16,990
	K*DS022L4A**	4YJDF59KE	81,580	70,820	60,930	51,820	43,800	36,830	30,710	25,360	20,980

 Additional Compressor Cooling Recommended†

* Each asterisk represents a variable character based upon model, voltage, and vintage ordered. See page 4 for nomenclature.

† See page 21 for Additional Compressor Cooling Graph.

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

Published capacities are with 20°F compressor superheat. This provides a more accurate capacity at design conditions.

Multiply by 1.05 to 1.07 for approximate capacities at 65°F return gas temperature.

CAPACITY DATA (BTUH)

LOW TEMPERATURE // R455A DISCUS // 60 HZ†

Ambient Temp. (°F)	Model No.	Comp. Model No.	Suction Temperature (°F)								
			0°	-5°	-10°	-15°	-20°	-25°	-30°	-35°	-40°
90°	K*DS003L4A**	2YF3F13KE	26,110	22,450	19,210	16,310	13,750	11,510	9,580	7,940	6,560
	K*DS004L4A**	2YL3F15KE	28,930	24,940	21,280	18,090	15,240	12,780	10,630	8,840	7,290
	K*DS005L4A**	2YA3F17KE	32,480	28,020	24,000	20,420	17,270	14,450	12,020	9,950	8,130
	K*DS006L4A**	3YA3F21KE	40,270	34,860	29,500	24,960	20,980	17,530	14,470	11,870	9,790
	K*DS008L4A**	3YB3F24KE	47,570	40,910	34,890	29,390	24,770	20,700	17,170	14,220	11,730
	K*DS009L4A**	3YF3F29K0	56,420	48,550	41,510	35,180	29,640	24,780	20,570	17,000	13,990
	K*DS010L4A**	3YS3F33KE	62,410	53,850	46,130	39,190	33,020	27,610	22,900	18,930	15,580
	K*DS012L4A**	4YBNF40KE	75,170	64,080	55,910	47,620	40,160	33,570	27,870	23,060	19,040
	K*DS015L4A**	4YHNF46KE	84,820	74,310	62,860	54,810	45,820	38,810	32,280	26,710	22,070
	K*DS022L4A**	4YJDF59KE	104,140	91,200	78,700	66,880	56,860	47,940	39,950	33,040	27,300
95°	K*DS003L4A**	2YF3F13KE	24,870	21,420	18,300	15,520	13,040	10,900	9,050	7,500	6,190
	K*DS004L4A**	2YL3F15KE	27,670	23,750	20,270	17,220	14,480	12,110	10,080	8,350	6,900
	K*DS005L4A**	2YA3F17KE	31,100	26,740	22,910	19,400	16,380	13,700	11,400	9,410	7,730
	K*DS006L4A**	3YA3F21KE	38,580	33,070	28,060	23,690	19,830	16,530	13,690	11,240	9,300
	K*DS008L4A**	3YB3F24KE	45,230	38,860	33,170	27,980	23,540	19,590	16,240	13,440	11,070
	K*DS009L4A**	3YF3F29K0	53,730	46,120	39,400	33,410	28,100	23,430	19,430	16,060	13,230
	K*DS010L4A**	3YS3F33KE	58,990	51,350	43,850	37,150	31,290	26,120	21,660	17,880	14,730
	K*DS012L4A**	4YBNF40KE	71,700	62,190	53,170	45,190	38,060	31,730	26,320	21,760	17,970
	K*DS015L4A**	4YHNF46KE	81,470	70,960	60,980	51,980	43,830	36,700	30,420	25,160	20,700
	K*DS022L4A**	4YJDF59KE	99,210	86,780	74,790	63,440	53,660	45,300	37,700	31,120	25,710
100°	K*DS003L4A**	2YF3F13KE	23,740	20,460	17,410	14,760	12,360	10,310	8,550	7,070	5,800
	K*DS004L4A**	2YL3F15KE	26,380	22,620	19,290	16,330	13,700	11,440	9,510	7,870	6,510
	K*DS005L4A**	2YA3F17KE	29,490	25,370	21,690	18,380	15,500	12,940	10,760	8,890	7,310
	K*DS006L4A**	3YA3F21KE	36,680	31,390	26,610	22,440	18,730	15,610	12,950	10,620	8,800
	K*DS008L4A**	3YB3F24KE	43,360	37,130	31,470	26,550	22,200	18,500	15,290	12,660	10,430
	K*DS009L4A**	3YF3F29K0	51,290	44,080	37,470	31,730	26,550	22,100	18,320	15,150	12,410
	K*DS010L4A**	3YS3F33KE	56,690	48,690	41,680	35,260	29,500	24,630	20,390	16,810	13,800
	K*DS012L4A**	4YBNF40KE	68,060	58,870	50,430	42,850	35,810	29,900	24,770	20,440	16,950
	K*DS015L4A**	4YHNF46KE	77,100	66,560	57,820	49,550	41,290	34,660	28,710	23,610	19,410
	K*DS022L4A**	4YJDF59KE	94,640	82,240	70,910	60,100	50,680	42,610	35,430	29,210	24,160
110°	K*DS003L4A**	2YF3F13KE	21,510	18,500	15,670	13,220	11,030	9,170	7,560	6,230	5,120
	K*DS004L4A**	2YL3F15KE	23,870	20,450	17,350	14,630	12,210	10,150	8,410	6,950	5,710
	K*DS005L4A**	2YA3F17KE	26,480	22,810	19,400	16,400	13,750	11,490	9,530	7,880	6,510
	K*DS006L4A**	3YA3F21KE	32,730	28,050	23,680	19,920	16,630	13,830	11,480	9,490	7,940
	K*DS008L4A**	3YB3F24KE	39,050	33,450	28,160	23,640	19,690	16,340	13,460	11,040	9,180
	K*DS009L4A**	3YF3F29K0	46,130	39,580	33,470	28,180	23,480	19,500	16,110	13,200	10,970
	K*DS010L4A**	3YS3F33KE	50,930	43,820	37,170	31,330	26,080	21,700	17,930	14,780	12,230
	K*DS012L4A**	4YBNF40KE	61,120	52,800	44,950	37,940	31,610	26,310	21,730	17,950	14,910
	K*DS015L4A**	4YHNF46KE	69,430	60,100	51,530	43,610	36,400	30,400	25,080	20,530	16,900
	K*DS022L4A**	4YJDF59KE	85,230	74,020	63,140	53,550	44,970	37,590	31,240	25,620	21,090

 Additional Compressor Cooling Recommended†

* Each asterisk represents a variable character based upon model, voltage, and vintage ordered. See page 4 for nomenclature.

† See page 21 for Additional Compressor Cooling Graph.

‡ Multiply capacity by .83 when used with 50 Hz power. Published capacities are with 20°F compressor superheat.

This provides a more accurate capacity at design conditions. Multiply by 1.1 to 1.15 for approximate capacities at 65°F return gas temperature.

CAPACITY DATA (BTUH)

LOW TEMPERATURE // R454A SCROLL // 60 HZ†

Ambient Temp. (°F)	Model No.	Comp. Model No.	Suction Temperature (°F)								
			0°	-5°	-10°	-15°	-20°	-25°	-30°	-35°	-40°
90°	K*OS008L4A**	YF19KAE	40,480	36,600	32,630	29,200	26,490	24,280	20,570	18,070	15,810
	K*OS010L4A**	YF26KAE	53,200	47,310	41,840	36,810	32,190	27,960	23,810	19,660	18,020
	K*OS013L4A**	YF32KAE	63,550	56,610	50,140	44,170	38,620	33,730	29,240	25,320	21,830
	K*OS015L4A**	YF38KAE	75,620	67,590	60,080	53,060	46,420	40,610	35,260	30,510	26,350
95°	K*OS008L4A**	YF19KAE	38,860	35,070	31,510	28,210	25,190	22,330	19,760	17,320	15,100
	K*OS010L4A**	YF26KAE	51,360	45,980	40,470	35,580	31,100	27,030	23,630	19,550	17,400
	K*OS013L4A**	YF32KAE	61,410	54,750	48,460	42,770	37,420	32,600	28,270	24,380	21,110
	K*OS015L4A**	YF38KAE	72,950	65,280	58,030	51,210	44,950	39,220	34,020	29,450	25,450
100°	K*OS008L4A**	YF19KAE	37,240	33,610	30,200	27,060	24,120	21,390	18,920	16,580	14,450
	K*OS010L4A**	YF26KAE	49,450	44,000	38,950	34,210	30,030	26,060	22,570	18,790	16,800
	K*OS013L4A**	YF32KAE	59,170	52,720	46,770	41,220	36,120	31,410	27,290	23,580	20,360
	K*OS015L4A**	YF38KAE	70,430	62,890	55,890	49,390	43,340	37,780	32,810	28,390	24,570
110°	K*OS008L4A**	YF19KAE	33,990	30,670	27,590	24,690	21,980	19,500	17,230	15,070	13,120
	K*OS010L4A**	YF26KAE	45,880	40,860	36,130	31,800	27,770	24,160	20,930	18,060	15,560
	K*OS013L4A**	YF32KAE	55,000	48,850	43,400	38,250	33,440	29,120	25,270	21,870	18,860
	K*OS015L4A**	YF38KAE	65,250	58,320	51,830	45,790	40,210	35,030	30,420	26,370	22,760

 Additional Compressor Cooling Recommended†

* Each asterisk represents a variable character based upon model, voltage, and vintage ordered. See page 4 for nomenclature.

† See page 21 for Additional Compressor Cooling Graph.

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

Published capacities are with 20°F compressor superheat. This provides a more accurate capacity at design conditions.

Multiply by 1.1 to 1.15 for approximate capacities at 65°F return gas temperature.

CAPACITY DATA (BTUH)

LOW TEMPERATURE // R454C SCROLL // 60 HZ†

Ambient Temp. (°F)	Model No.	Comp. Model No.	Suction Temperature (°F)								
			0°	-5°	-10°	-15°	-20°	-25°	-30°	-35°	-40°
90°	K*OS008L4A**	YF19KAE	31,150	27,880	24,890	22,130	19,580	17,270	15,160	13,210	11,440
	K*OS010L4A**	YF26KAE	44,690	39,570	34,830	30,490	26,510	22,900	19,730	16,930	14,520
	K*OS013L4A**	YF32KAE	53,560	47,480	41,940	36,760	31,980	27,690	23,830	20,500	17,620
	K*OS015L4A**	YF38KAE	64,060	56,980	50,290	44,080	38,510	33,330	28,760	24,700	21,250
95°	K*OS008L4A**	YF19KAE	29,830	26,750	23,820	21,170	18,730	16,500	14,510	12,640	10,940
	K*OS010L4A**	YF26KAE	42,990	38,090	33,560	29,390	25,530	22,050	19,000	16,300	13,990
	K*OS013L4A**	YF32KAE	51,730	45,840	40,440	35,400	30,840	26,630	22,980	19,740	16,940
	K*OS015L4A**	YF38KAE	61,690	54,810	48,460	42,510	37,100	32,130	27,730	23,800	20,490
100°	K*OS008L4A**	YF19KAE	28,500	25,500	22,760	20,220	17,850	15,770	13,830	12,060	10,430
	K*OS010L4A**	YF26KAE	41,490	36,750	32,340	28,330	24,560	21,200	18,260	15,680	13,470
	K*OS013L4A**	YF32KAE	49,810	44,220	38,910	34,070	29,540	25,600	22,060	18,970	16,300
	K*OS015L4A**	YF38KAE	59,450	52,880	46,630	40,950	35,660	30,880	26,640	22,910	19,680
110°	K*OS008L4A**	YF19KAE	25,880	23,150	20,650	18,340	16,160	14,250	12,500	10,890	9,400
	K*OS010L4A**	YF26KAE	38,310	33,900	29,800	26,040	22,640	19,530	16,800	14,450	12,400
	K*OS013L4A**	YF32KAE	46,010	40,720	35,900	31,410	27,220	23,590	20,320	17,470	15,010
	K*OS015L4A**	YF38KAE	54,830	48,720	42,970	37,640	32,780	28,410	24,550	21,090	18,130

LOW TEMPERATURE // R455A SCROLL // 60 HZ†

Ambient Temp. (°F)	Model No.	Comp. Model No.	Suction Temperature (°F)								
			0°F	-5°F	-10°F	-15°F	-20°F	-25°F	-30°F	-35°F	-40°F
90°	K*OS008L4A**	YF19KAE	33,950	30,380	27,170	24,110	21,270	18,800	16,500	14,400	12,460
	K*OS010L4A**	YF26KAE	46,920	41,500	36,510	31,980	27,780	24,050	20,720	17,870	15,310
	K*OS013L4A**	YF32KAE	56,640	50,130	44,160	38,580	33,600	29,090	25,100	21,590	18,540
	K*OS015L4A**	YF38KAE	67,720	60,160	52,950	46,480	40,480	35,070	30,300	26,060	22,420
95°	K*OS008L4A**	YF19KAE	32,500	29,130	25,960	23,120	20,400	17,980	15,780	13,760	11,890
	K*OS010L4A**	YF26KAE	45,410	40,090	35,260	30,770	26,700	23,160	19,990	17,100	14,760
	K*OS013L4A**	YF32KAE	54,810	48,320	42,630	37,150	32,270	28,010	24,160	20,870	17,800
	K*OS015L4A**	YF38KAE	65,390	57,920	51,090	44,790	38,990	33,760	29,170	25,110	21,600
100°	K*OS008L4A**	YF19KAE	31,080	27,850	24,780	22,040	19,480	17,170	15,060	13,110	11,340
	K*OS010L4A**	YF26KAE	43,800	38,630	33,920	29,640	25,760	22,280	19,240	16,480	14,200
	K*OS013L4A**	YF32KAE	52,640	46,580	41,020	35,770	31,040	26,950	23,280	19,950	17,180
	K*OS015L4A**	YF38KAE	62,990	55,760	49,130	43,020	37,550	32,500	28,080	24,170	20,800
110°	K*OS008L4A**	YF19KAE	28,170	25,230	22,470	19,950	17,610	15,510	13,580	11,830	10,220
	K*OS010L4A**	YF26KAE	40,470	35,690	31,280	27,290	23,750	20,540	17,700	15,190	13,100
	K*OS013L4A**	YF32KAE	48,510	42,900	37,760	32,970	28,700	24,860	21,440	18,480	15,910
	K*OS015L4A**	YF38KAE	57,960	51,400	45,280	39,790	34,470	29,950	25,850	22,300	19,180

 Additional Compressor Cooling Recommended†

* Each asterisk represents a variable character based upon model, voltage, and vintage ordered. See page 4 for nomenclature.

† See page 21 for Additional Compressor Cooling Graph.

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

Published capacities are with 20°F compressor superheat. This provides a more accurate capacity at design conditions.

Multiply by 1.1 to 1.15 for approximate capacities at 65°F return gas temperature.

CAPACITY DATA (BTUH)

LOW TEMPERATURE // R454C BITZER // 60 HZ†

Ambient Temp. (°F)	Model No.	Comp. Model No.	Suction Temperature (°F)								
			0°	-5°	-10°	-15°	-20°	-25°	-30°	-35°	-40°
90°	K*BS003L4A**	4FES-3	22,400	19,470	16,790	14,360	12,170	10,220	8,440	6,880	5,500
	K*BS004L4A**	4EES-4	27,510	23,980	20,690	17,760	15,010	12,630	10,470	8,520	6,790
	K*BS005L4A**	4DES-5	30,810	26,880	23,250	19,990	16,900	14,210	11,780	9,580	7,620
	K*BS006L4A**	4CES-6	38,320	33,670	29,360	25,340	21,750	18,440	15,440	12,770	10,310
	K*BS008L4A**	4TES-9	48,900	42,360	36,400	30,820	25,730	21,360	17,410	13,900	10,790
	K*BS009L4A**	4PES-12	54,470	47,080	40,280	33,920	28,140	23,190	18,720	14,770	11,230
	K*BS010L4A**	4NES-14	64,560	56,080	48,260	40,980	34,700	28,790	23,540	18,890	14,720
	K*BS012L4A**	4JE-15	74,520	64,850	56,540	48,460	41,190	34,430	28,340	22,830	17,750
	K*BS015L4A**	4HE-18	83,920	74,900	64,930	56,430	48,160	40,750	33,850	27,270	21,670
	K*BS022L4A**	4GE-23	98,570	87,570	76,410	65,730	56,420	47,810	40,040	32,580	25,950
95°	K*BS003L4A**	4FES-3	21,150	18,390	15,820	13,540	11,430	9,510	7,840	6,360	5,020
	K*BS004L4A**	4EES-4	26,070	22,640	19,500	16,670	14,090	11,770	9,680	7,840	6,190
	K*BS005L4A**	4DES-5	29,230	25,420	21,910	18,730	15,850	13,250	10,880	8,780	6,930
	K*BS006L4A**	4CES-6	36,420	31,980	27,730	23,900	20,370	17,240	14,400	11,820	9,480
	K*BS008L4A**	4TES-9	46,300	39,960	34,130	28,830	23,980	19,810	16,040	12,730	9,800
	K*BS009L4A**	4PES-12	51,350	44,200	37,710	31,600	26,080	21,390	17,140	13,410	10,110
	K*BS010L4A**	4NES-14	61,010	52,830	45,340	38,510	32,270	26,670	21,700	17,240	13,300
	K*BS012L4A**	4JE-15	70,560	61,560	53,170	45,580	38,580	32,080	26,210	20,920	16,050
	K*BS015L4A**	4HE-18	80,830	70,950	61,600	52,750	45,250	38,040	31,350	25,390	19,880
	K*BS022L4A**	4GE-23	92,680	83,170	72,140	61,940	53,030	44,820	37,200	30,310	23,850
100°	K*BS003L4A**	4FES-3	20,100	17,390	14,920	12,660	10,610	8,850	7,240	5,820	4,570
	K*BS004L4A**	4EES-4	24,690	21,350	18,370	15,640	13,160	10,920	8,960	7,180	5,600
	K*BS005L4A**	4DES-5	27,630	23,980	20,630	17,540	14,770	12,270	10,050	8,020	6,290
	K*BS006L4A**	4CES-6	34,520	30,120	26,200	22,480	19,080	16,060	13,360	10,900	8,670
	K*BS008L4A**	4TES-9	43,570	37,590	31,800	26,790	22,360	18,280	14,750	11,590	8,840
	K*BS009L4A**	4PES-12	48,270	41,230	35,100	29,240	24,240	19,550	15,590	12,050	8,980
	K*BS010L4A**	4NES-14	57,510	49,770	42,430	35,950	29,950	24,630	19,910	15,750	12,000
	K*BS012L4A**	4JE-15	66,740	57,970	49,930	42,640	35,880	29,690	24,200	19,030	14,490
	K*BS015L4A**	4HE-18	76,360	66,790	57,800	49,590	42,150	35,450	29,200	23,270	18,220
	K*BS022L4A**	4GE-23	89,520	78,500	68,000	58,270	49,630	41,870	34,600	27,980	22,150
110°	K*BS003L4A**	4FES-3	17,830	15,360	13,060	10,990	9,100	7,510	6,060	4,780	-
	K*BS004L4A**	4EES-4	21,870	18,830	16,090	13,580	11,270	9,260	7,460	5,880	-
	K*BS005L4A**	4DES-5	24,510	21,120	18,030	15,210	12,650	10,380	8,350	6,570	-
	K*BS006L4A**	4CES-6	30,770	26,780	23,020	19,640	16,560	13,780	11,310	9,090	-
	K*BS008L4A**	4TES-9	38,530	32,880	27,710	23,050	18,870	15,300	12,080	9,320	-
	K*BS009L4A**	4PES-12	42,200	35,840	30,080	24,790	20,070	16,080	12,500	9,400	-
	K*BS010L4A**	4NES-14	50,490	43,290	36,680	30,500	25,220	20,550	16,300	12,600	-
	K*BS012L4A**	4JE-15	59,070	51,060	43,680	36,810	30,720	25,030	19,930	15,450	-
	K*BS015L4A**	4HE-18	67,190	59,030	50,670	43,310	36,230	30,140	24,530	19,220	-
	K*BS022L4A**	4GE-23	79,570	69,720	59,620	50,760	42,930	35,870	29,500	23,690	-

35°F Compressor Superheat Maximum

Additional Compressor Cooling Recommended†

* Each asterisk represents a variable character based upon model, voltage, and vintage ordered. See page 4 for nomenclature.

† See page 21 for Additional Compressor Cooling Graph.

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

Published capacities are with 20°F compressor superheat. This provides a more accurate capacity at design conditions.

Multiply by 1.1 to 1.15 for approximate capacities at 65°F return gas temperature.

CAPACITY DATA (BTUH)

LOW TEMPERATURE // R455A BITZER // 60 HZ†

Ambient Temp. (°F)	Model No.	Comp. Model No.	Suction Temperature (°F)								
			0°	-5°	-10°	-15°	-20°	-25°	-30°	-35°	-40°
90°	K*BS003L4A**	4FES-3	22,980	19,940	17,160	14,670	12,360	10,310	8,500	6,900	5,470
	K*BS004L4A**	4EES-4	28,400	24,650	21,200	18,120	15,320	12,780	10,510	8,520	6,730
	K*BS005L4A**	4DES-5	31,910	27,750	23,890	20,390	17,250	14,380	11,810	9,560	7,530
	K*BS006L4A**	4CES-6	39,890	34,920	30,320	26,180	22,240	18,830	15,710	12,880	10,380
	K*BS008L4A**	4TES-9	50,480	43,520	37,020	31,350	26,080	21,590	17,500	13,840	10,770
	K*BS009L4A**	4PES-12	55,990	48,010	40,910	34,430	28,380	23,280	18,630	14,660	11,080
	K*BS010L4A**	4NES-14	66,770	57,750	49,440	41,960	35,180	29,070	23,650	18,890	14,610
	K*BS012L4A**	4JE-15	75,830	67,490	58,260	49,880	42,120	35,080	28,610	22,930	17,780
	K*BS015L4A**	4HE-18	88,670	77,760	67,670	58,590	49,610	41,610	34,460	27,800	22,000
	K*BS022L4A**	4GE-23	102,470	90,870	79,030	68,640	58,130	49,240	40,980	33,470	26,790
95°	K*BS003L4A**	4FES-3	21,840	18,930	16,200	13,780	11,550	9,600	7,860	6,350	4,980
	K*BS004L4A**	4EES-4	26,900	23,250	19,950	17,020	14,320	11,860	9,730	7,820	6,130
	K*BS005L4A**	4DES-5	30,310	26,220	22,540	19,160	16,120	13,380	10,940	8,770	6,860
	K*BS006L4A**	4CES-6	37,870	33,080	28,700	24,620	20,940	17,580	14,600	11,910	9,510
	K*BS008L4A**	4TES-9	47,650	40,660	34,690	29,160	24,340	19,890	16,040	12,710	9,730
	K*BS009L4A**	4PES-12	52,770	45,230	38,130	31,980	26,270	21,310	16,900	13,070	9,820
	K*BS010L4A**	4NES-14	63,070	54,190	46,310	39,180	32,640	26,820	21,690	17,150	13,190
	K*BS012L4A**	4JE-15	73,260	63,820	54,880	46,790	39,350	32,480	26,440	20,980	16,060
	K*BS015L4A**	4HE-18	83,970	73,830	63,770	54,600	46,400	38,800	32,010	25,910	20,020
	K*BS022L4A**	4GE-23	98,010	86,210	74,510	63,750	54,470	46,000	38,190	30,930	24,500
100°	K*BS003L4A**	4FES-3	20,710	17,850	15,210	12,880	10,770	8,890	7,240	5,800	4,510
	K*BS004L4A**	4EES-4	25,360	21,960	18,780	15,940	13,250	10,990	8,930	7,130	5,530
	K*BS005L4A**	4DES-5	28,560	24,720	21,120	17,930	14,950	12,350	10,030	7,980	6,180
	K*BS006L4A**	4CES-6	35,860	31,250	26,970	23,120	19,550	16,370	13,520	10,940	8,670
	K*BS008L4A**	4TES-9	44,800	38,310	32,500	27,140	22,370	18,300	14,610	11,450	8,610
	K*BS009L4A**	4PES-12	49,410	42,020	35,450	29,420	23,970	19,390	15,250	11,670	8,540
	K*BS010L4A**	4NES-14	58,950	50,240	43,240	36,350	30,040	24,570	19,680	15,400	11,690
	K*BS012L4A**	4JE-15	69,150	59,830	51,360	43,530	36,360	29,910	24,120	18,890	14,280
	K*BS015L4A**	4HE-18	79,310	69,210	60,100	51,090	42,920	35,940	29,290	23,390	18,070
	K*BS022L4A**	4GE-23	92,390	80,710	70,080	59,690	50,810	42,760	35,360	28,460	22,410
110°	K*BS003L4A**	4FES-3	18,340	15,680	13,280	11,160	9,200	7,530	-	-	-
	K*BS004L4A**	4EES-4	22,520	19,280	16,400	13,750	11,360	9,280	-	-	-
	K*BS005L4A**	4DES-5	25,250	21,610	18,430	15,430	12,780	10,400	-	-	-
	K*BS006L4A**	4CES-6	31,860	27,670	23,770	20,200	16,950	14,000	-	-	-
	K*BS008L4A**	4TES-9	39,260	33,360	27,900	23,070	18,730	15,040	-	-	-
	K*BS009L4A**	4PES-12	42,650	36,090	30,030	24,580	19,650	15,570	-	-	-
	K*BS010L4A**	4NES-14	51,490	43,890	36,920	30,650	24,870	20,070	-	-	-
	K*BS012L4A**	4JE-15	60,850	52,430	44,610	37,260	30,670	24,820	-	-	-
	K*BS015L4A**	4HE-18	69,940	60,640	51,980	43,360	36,640	30,080	-	-	-
	K*BS022L4A**	4GE-23	80,580	71,210	61,220	51,570	43,490	36,290	-	-	-

35°F Compressor Superheat Maximum

Additional Compressor Cooling Recommended†

* Each asterisk represents a variable character based upon model, voltage, and vintage ordered. See page 4 for nomenclature.

† See page 21 for Additional Compressor Cooling Graph.

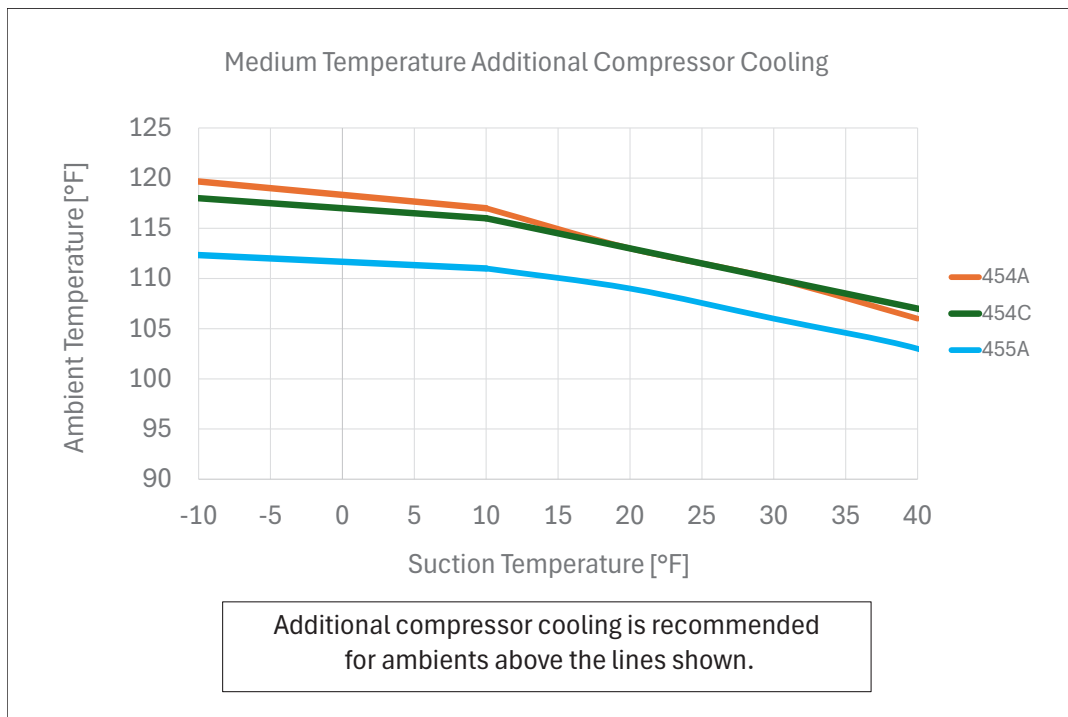
‡ Multiply capacity by .83 when used with 50 Hz power.

Published capacities are with 20°F compressor superheat. This provides a more accurate capacity at design conditions.

Multiply by 1.1 to 1.15 for approximate capacities at 65°F return gas temperature.

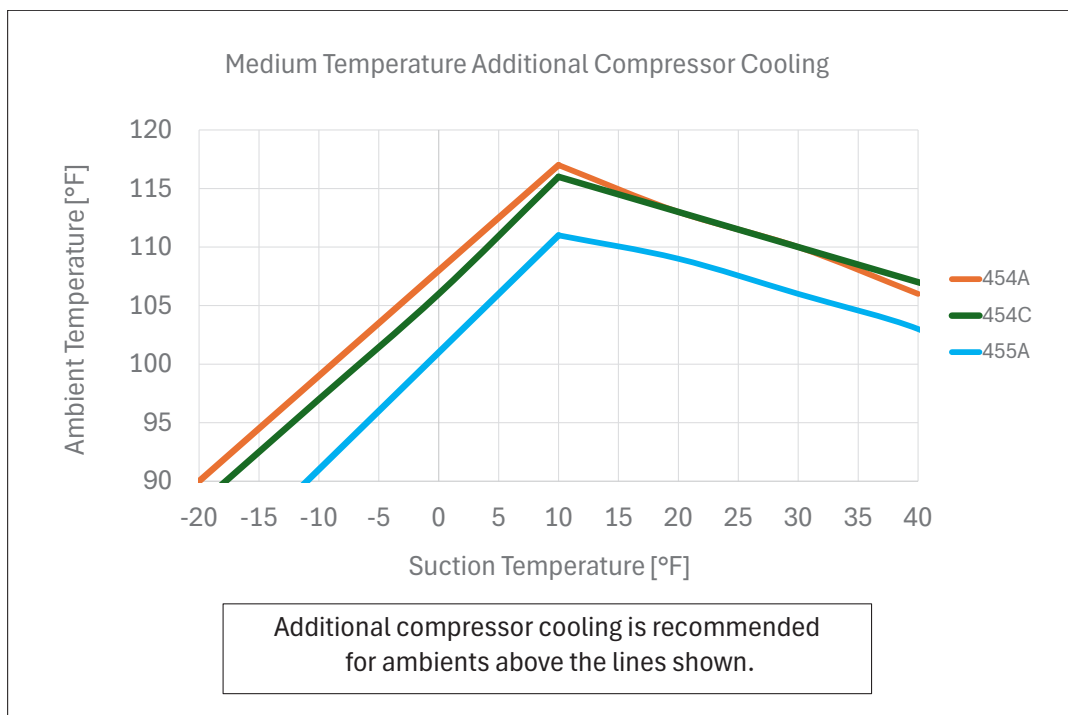
ADDITIONAL COMPRESSOR COOLING GRAPH

MEDIUM TEMPERATURE DISCUS



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

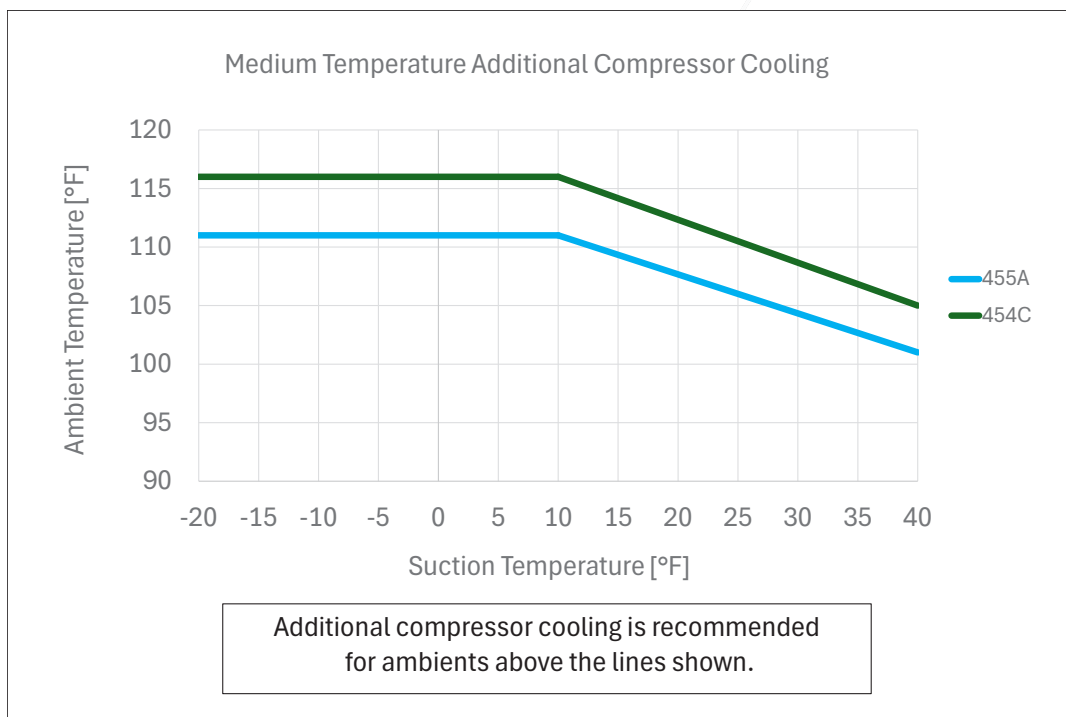
MEDIUM TEMPERATURE SCROLL



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

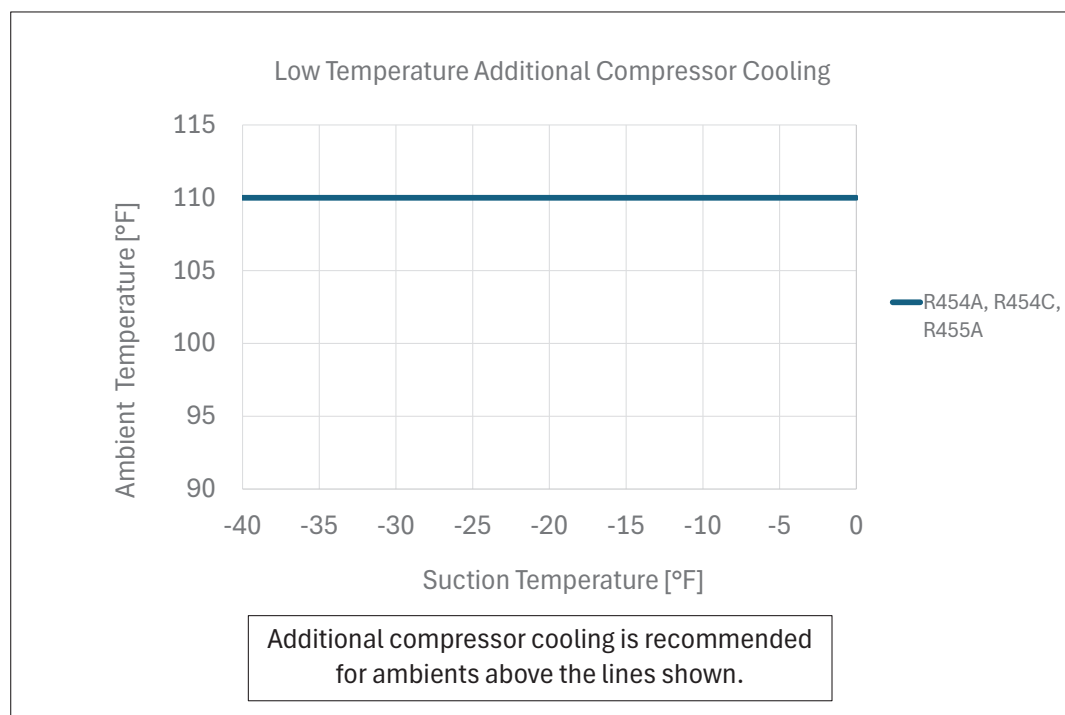
ADDITIONAL COMPRESSOR COOLING GRAPH

MEDIUM TEMPERATURE BITZER



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

LOW TEMPERATURE // ALL MODELS



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

ELECTRICAL DATA // DISCUS

208-230V/3/60 Hz, 200-220V/3/50 Hz

Base Model No.	Compressor Model No.	RLA	LRA	Cond. Fan FLA	Air Defrost ¹ or No Defrost Provisions		Electric Defrost ²		Electric Defrost Amps	Evap. Fan Amps
					MCA	MOPD	MCA	MOPD		
K*DS004M4A**	2YC3R51KE	20.0	120.0	3.8	29.7	45	51.0	60	40	15
K*DS005M4A**	2YD3R59KE	20.0	120.0	3.8	29.7	45	51.0	60	40	15
K*DS006M4A**	2YL3R73KE	28.3	169.0	7.5	43.8	70	63.8	90	48	20
K*DS007M4A**	2YA3R82K0	28.7	169.0	7.5	44.3	70	64.3	90	48	20
K*DS008M4A**	3YA3R99KE	36.8	215.0	7.5	54.5	90	76.0	110	60	20
K*DS010M4A**	3YB3R11ME	39.1	215.0	7.5	57.3	90	77.3	110	60	20
K*DS012M4A**	3YF3R14ME	43.2	275.0	7.5	62.5	100	82.5	125	60	20
K*DS015M4A**	3YS3R16ME	53.5	275.0	7.5	75.3	125	95.3	125	60	20
K*DS003L4A**	2YF3F13KE	14.4	102	5.2	24.2	35	44.8	50	35	12
K*DS004L4A**	2YL3F15KE	23.6	161	5.2	35.7	50	61.0	80	48	20
K*DS005L4A**	2YA3F17KE	25.8	161	5.2	38.5	60	61.0	80	48	20
K*DS006L4A**	3YA3F21KE	24	150	10.4	41.4	60	61.4	80	48	20
K*DS008L4A**	3YB3F24KE	27.6	161	10.4	45.9	70	76.0	90	60	20
K*DS009L4A**	3YF3F29KE	33.2	215	10.4	52.9	80	76.0	100	60	20
K*DS010L4A**	3YS3F33KE	37.2	215	10.4	57.9	90	77.9	110	60	20
K*DS012L4A**	4YBNF40KE	46	220	10.4	68.9	110	88.9	125	60	20
K*DS015L4A**	4YHNF46KE	47.2	278	10.4	70.4	110	90.4	125	60	20
K*DS022L4A**	4YJDF59KE	57.7	374	10.4	83.5	125	121.0	150	96	25

* Each asterisk represents a variable character based upon model, voltage, and vintage ordered. See page 4 for nomenclature.

RLA = Rated Load Amps LRA = Locked Rotor Amps MCA = Minimum Circuit Ampacity MOPD = Maximum Overcurrent Protection

MCA includes 1 amp allowance for control circuit requirement.

¹ Air Defrost values do not include evaporator fan electrical load.

² Electric Defrost MCA and MOPD columns provide a representative rating point for a typical electric defrost application. Contact Application Engineering to verify MCA and MOPD values when the applied electric defrost amp load exceeds the listed Defrost Amps shown in the above table.

ELECTRICAL DATA // DISCUS

460V/3/60 Hz, 380V/3/50 Hz

Base Model No.	Compressor Model No.	RLA	LRA	Cond. Fan FLA	Air Defrost ¹ or No Defrost Provisions		Electric Defrost ²		Electric Defrost Amps	Evap. Fan Amps
					MCA	MOPD	MCA	MOPD		
K*DS004M4A**	2YC3R51KE	9.4	60.0	1.9	14.6	20	20.6	25	15	6
K*DS005M4A**	2YD3R59KE	9.4	60.0	1.9	14.6	20	20.6	25	15	6
K*DS006M4A**	2YL3R73KE	12.4	85.0	3.7	20.2	30	31.0	35	24	6
K*DS007M4A**	2YA3R82K0	12.6	85.0	3.7	20.4	30	31.0	35	24	6
K*DS008M4A**	3YA3R99KE	17.9	106.0	3.7	27.0	40	44.7	50	35	9
K*DS010M4A**	3YB3R11ME	17.9	106.0	3.7	27.0	40	44.7	50	35	9
K*DS012M4A**	3YF3R14ME	21.2	138.0	3.7	31.2	50	44.7	60	35	9
K*DS015M4A**	3YS3R16ME	26.0	138.0	3.7	37.2	60	61.0	70	48	10
K*DS003L4A**	2YF3F13KE	7.1	52	3	15.0	20	19.8	25	15	6
K*DS004L4A**	2YL3F15KE	9.2	60	3	15.5	25	21.5	30	15	6
K*DS005L4A**	2YA3F17KE	9.2	60	3	15.5	25	21.5	30	15	6
K*DS006L4A**	3YA3F21KE	10.8	77	6	20.5	30	26.5	35	20	6
K*DS008L4A**	3YB3F24KE	14.1	83	6	24.6	35	38.5	45	30	6
K*DS009L4A**	3YF3F29KE	15	106	6	25.8	40	44.8	50	35	9
K*DS010L4A**	3YS3F33KE	16.7	106	6	27.9	45	44.8	50	35	9
K*DS012L4A**	4YBNF40KE	23	110	6	35.8	60	51.0	70	40	10
K*DS015L4A**	4YHNF46KE	23.6	139	6	36.5	60	51.0	70	40	10
K*DS022L4A**	4YJDF59KE	28.8	187	6	43.0	70	61.0	80	48	10

* Each asterisk represents a variable character based upon model, voltage, and vintage ordered. See page 4 for nomenclature.

RLA = Rated Load Amps **LRA** = Locked Rotor Amps **MCA** = Minimum Circuit Ampacity **MOPD** = Maximum Overcurrent Protection

MCA includes 1 amp allowance for control circuit requirement.

¹ Air Defrost values do not include evaporator fan electrical load.

² Electric Defrost MCA and MOPD columns provide a representative rating point for a typical electric defrost application. Contact Application Engineering to verify MCA and MOPD values when the applied electric defrost amp load exceeds the listed Defrost Amps shown in the above table.

ELECTRICAL DATA // SCROLL

208-230V/3/60 Hz, 200-220V/3/50 Hz

Base Model No.	Compressor Model No.	RLA	LRA	Cond. Fan FLA	Air Defrost ¹ or No Defrost Provisions		Electric Defrost ²		Electric Defrost Amps	Evap. Fan Amps
K*OS004E4A**	YS26KAE	18.4	114.0	3.8	27.7	45	44.7	50	35	12
K*OS005E4A**	YS30KAE	20.0	114.0	3.8	29.7	45	44.7	60	35	12
K*OS006E4A**	YS33KAE	19.2	123.0	3.8	28.7	45	51.0	60	40	15
K*OS007E4A**	YS40KAE	21.5	156.0	7.5	35.3	50	61.0	70	48	20
K*OS008E4A**	YB51KAE	30.8	195.0	7.5	47.0	70	67.0	90	48	20
K*OS009E4A**	YB56KAE	35.3	225.0	7.5	52.6	80	76.0	100	60	20
K*OS010E4A**	YB68KAE	38.6	239.0	7.5	56.7	90	76.7	110	60	20
K*OS013E4A**	YB83KAE	47.4	298.0	7.5	67.7	110	87.7	125	60	20
K*OS015E4A**	YB100KAE	56.5	321.0	7.5	79.1	125	99.1	150	60	20
K*OS008L4A**	YF19KAE	23.3	223	5.2	35.3	60	61.0	80	48	20
K*OS010L4A**	YF26KAE	33.3	239	10.4	53.0	80	73.0	100	50	20
K*OS013L4A**	YF32KAE	37.8	59	10.4	58.7	90	78.7	110	60	20
K*OS015L4A**	YF38KAE	45.5	338.7	10.4	68.3	110	88.3	125	60	20

460V/3/60 Hz, 380V/3/50 Hz

Base Model No.	Compressor Model No.	RLA	LRA	Cond. Fan FLA	Air Defrost ¹ or No Defrost Provisions		Electric Defrost ²		Electric Defrost Amps	Evap. Fan Amps
K*OS004E4A**	YS26KAE	8.4	58.0	1.9	13.3	20	19.7	25	15	6
K*OS005E4A**	YS30KAE	9.0	52.0	1.9	14.1	20	20.1	25	15	6
K*OS006E4A**	YS33KAE	8.7	62.0	1.9	13.7	20	19.7	25	15	6
K*OS007E4A**	YS40KAE	8.3	75.0	3.7	15.0	20	21.0	25	15	6
K*OS008E4A**	YB51KAE	16.0	95.0	3.7	24.7	40	31.0	45	24	6
K*OS009E4A**	YB56KAE	15.4	114.0	3.7	23.9	35	31.0	45	24	6
K*OS010E4A**	YB68KAE	18.6	125.0	3.7	27.9	45	38.5	50	30	6
K*OS013E4A**	YB83KAE	21.8	150.0	3.7	31.9	50	51.0	60	40	10
K*OS015E4A**	YB100KAE	24.4	179.0	3.7	35.2	50	51.0	60	40	10
K*OS008L4A**	YF19KAE	10.6	99	3	17.3	25	26.0	35	20	6
K*OS010L4A**	YF26KAE	16	125	6	27.0	40	38.5	50	30	6
K*OS013L4A**	YF32KAE	17.3	125	6	28.6	45	44.8	50	35	9
K*OS015L4A**	YF38KAE	18.1	139	6	29.6	45	44.8	50	35	9

* Each asterisk represents a variable character based upon model, voltage, and vintage ordered. See page 4 for nomenclature.

RLA = Rated Load Amps LRA = Locked Rotor Amps MCA = Minimum Circuit Ampacity MOPD = Maximum Overcurrent Protection

MCA includes 1 amp allowance for control circuit requirement.

¹ Air Defrost values do not include evaporator fan electrical load.² Electric Defrost MCA and MOPD columns provide a representative rating point for a typical electric defrost application. Contact Application Engineering to verify MCA and MOPD values when the applied electric defrost amp load exceeds the listed Defrost Amps shown in the above table.

ELECTRICAL DATA // BITZER

208-230V/3/60 Hz, 200-220V/3/50 Hz

Base Model No	Compressor Model No.	RLA	LRA	Cond. Fan FLA	Air Defrost ¹ or No Defrost Provisions		Electric Defrost ²		Electric Defrost Amps	Evap. Fan Amps
					MCA	MOPD	MCA	MOPD		
K*BS003E4A**	2DES-3	15.3	97.0	3.8	23.8	35	44.7	50	35	12
K*BS004E4A**	2CES-4	18.2	115.5	3.8	27.5	45	44.7	50	35	12
K*BS005E4A**	4FES-5	24.2	163.0	3.8	35.0	50	61.0	70	48	20
K*BS006E4A**	4EES-6	28.1	163.0	7.5	43.6	70	63.6	90	48	20
K*BS007E4A**	4DES-7	31.0	215.0	7.5	47.2	70	67.2	90	48	20
K*BS008E4A**	4CES-9	34.2	215.0	7.5	51.2	80	71.2	100	48	20
K*BS010E4A**	4TES-12	42.3	252.0	7.5	61.3	100	81.3	110	48	20
K*BS012E4A**	4PES-15	48.7	294.0	7.5	69.3	110	89.3	125	60	20
K*BS015E4A**	4NES-20	57.7	352.0	7.5	80.6	125	100.6	150	60	20
K*BS003L4A**	4FES-3	18	115.5	5.2	28.7	45	44.8	60	35	12
K*BS004L4A**	4EES-4	20.1	142	5.2	31.3	50	51.0	60	40	15
K*BS005L4A**	4DES-5	20.6	163	5.2	32.0	50	51.0	60	40	15
K*BS006L4A**	4CES-6	25	215	5.2	37.5	60	61.0	80	48	20
K*BS008L4A**	4TES-9	28.2	180	10.4	46.7	70	76.0	90	60	20
K*BS009L4A**	4PES-12	34.6	222	10.4	54.7	90	76.0	110	60	20
K*BS010L4A**	4NES-14	39.7	252	10.4	61.0	100	81.0	110	60	20
K*BS012L4A**	4JE-15	50	352	10.4	73.9	125	93.9	125	60	20
K*BS015L4A**	4HE-18	54.1	352	10.4	79.0	125	99.0	150	60	20
K*BS022L4A**	4GE-23	57.7	352	10.4	83.5	125	121.0	150	96	25

* Each asterisk represents a variable character based upon model, voltage, and vintage ordered. See page 4 for nomenclature.

RLA = Rated Load Amps **LRA** = Locked Rotor Amps **MCA** = Minimum Circuit Ampacity **MOPD** = Maximum Overcurrent Protection

MCA includes 1 amp allowance for control circuit requirement.

¹ Air Defrost values do not include evaporator fan electrical load.

² The electric defrost MCA, MOPD and EVAP FAN AMP columns provide representative rating points for a typical electric defrost application. Contact Application Engineering to recalculate MCA and MOPD values if the actual electric defrost load exceeds the defrost or fan amp values shown in the table above.

ELECTRICAL DATA // BITZER

460V/3/60 Hz, 380V/3/50 Hz										
Base Model No.	Compressor Model No.	RLA	LRA	Cond. Fan FLA	Air Defrost ¹ or No Defrost Provisions		Electric Defrost ²		Electric Defrost Amps	Evap. Fan Amps
					MCA	MOPD	MCA	MOPD		
K*BS003E4A**	2DES-3	7.2	39.5	1.9	11.8	15	19.7	25	15	6
K*BS004E4A**	2CES-4	8.1	47.5	1.9	12.9	20	19.7	25	15	6
K*BS005E4A**	4FES-5	13.1	66.5	1.9	19.2	30	31.0	35	24	6
K*BS006E4A**	4EES-6	13.4	66.5	3.7	21.4	30	31.0	40	24	6
K*BS007E4A**	4DES-7	15.3	88.0	3.7	23.8	35	38.5	45	30	6
K*BS008E4A**	4CES-9	17.1	88.0	3.7	26.0	40	44.7	50	35	9
K*BS010E4A**	4TES-12	21.2	126.0	3.7	31.2	50	44.7	60	35	9
K*BS012E4A**	4PES-15	24.4	147.0	3.7	35.2	50	51.0	60	40	10
K*BS015E4A**	4NES-20	28.8	176.0	3.7	40.7	60	61.0	70	48	10
K*BS003L4A**	4FES-3	8.1	47.5	3	15.0	20	20.1	25	15	6
K*BS004L4A**	4EES-4	9.2	58	3	15.5	25	21.5	30	15	6
K*BS005L4A**	4DES-5	10.8	66.5	3	17.5	25	26.0	35	20	6
K*BS006L4A**	4CES-6	14.2	88	3	21.8	35	31.0	40	24	6
K*BS008L4A**	4TES-9	14.1	90	6	24.6	35	38.5	45	30	6
K*BS009L4A**	4PES-12	17.3	111	6	28.6	45	44.8	50	35	9
K*BS010L4A**	4NES-14	19.9	126	6	31.9	50	44.8	60	35	9
K*BS012L4A**	4JE-15	25	176	6	38.3	60	51.0	70	40	10
K*BS015L4A**	4HE-18	27.1	176	6	40.9	60	51.0	80	40	10
K*BS022L4A**	4GE-23	28.8	176	6	43.0	70	61.0	80	48	10

* Each asterisk represents a variable character based upon model, voltage, and vintage ordered. See page 4 for nomenclature.

RLA = Rated Load Amps **LRA** = Locked Rotor Amps **MCA** = Minimum Circuit Ampacity **MOPD** = Maximum Overcurrent Protection

MCA includes 1 amp allowance for control circuit requirement.

¹ Air Defrost values do not include evaporator fan electrical load.

² The electric defrost MCA, MOPD and EVAP FAN AMP columns provide representative rating points for a typical electric defrost application. Contact Application Engineering to recalculate MCA and MOPD values if the actual electric defrost load exceeds the defrost or fan amp values shown in the table above.

SPECIFICATIONS // ALL MODELS

MEDIUM TEMPERATURE DISCUS

Model No.	Comp. Model No.	HP	Connections (Inches)		Pump Down Capacity					
			Suction	Liquid	Standard Receiver			Oversized Receiver		
					90% R454A (Lbs.)	90% R454C (Lbs.)	90% R455A (Lbs.)	90% R454A (Lbs.)	90% R454C (Lbs.)	90% R455A (Lbs.)
K*DS004M4A**	2YC3R51KE	4	1-3/8	5/8	17.9	18.3	18.1	35.4	36.2	35.9
K*DS005M4A**	2YD3R59KE	5	1-3/8	5/8	17.9	18.3	18.1	35.4	36.2	35.9
K*DS006M4A**	2YL3R73KE	6	1-5/8	5/8	38.1	38.9	38.6	39.3	40.2	39.8
K*DS007M4A**	2YA3R82K0	7	1-5/8	7/8	38.1	38.9	38.6	39.3	40.2	39.8
K*DS008M4A**	3YA3R99KE	8	1-5/8	7/8	38.1	38.9	38.6	39.3	40.2	39.8
K*DS010M4A**	3YB3R11ME	10	2-1/8	7/8	38.1	38.9	38.6	39.3	40.2	39.8
K*DS012M4A**	3YF3R14ME	12	2-1/8	7/8	42.3	43.3	42.9	60.1	61.4	60.9
K*DS015M4A**	3YS3R16ME	15	2-1/8	7/8	42.3	43.3	42.9	60.1	61.4	60.9

EXTENDED RANGE MEDIUM TEMPERATURE SCROLL

Model No.	Comp. Model No.	HP	Connections (Inches)		Pump Down Capacity					
			Suction	Liquid	Standard Receiver			Oversized Receiver		
					90% R454A (Lbs.)	90% R454C (Lbs.)	90% R455A (Lbs.)	90% R454A (Lbs.)	90% R454C (Lbs.)	90% R455A (Lbs.)
K*OS004E4A**	YS26KAE	4	1-1/8	5/8	17.9	18.3	18.1	35.4	36.2	35.9
K*OS005E4A**	YS30KAE	5	1-1/8	5/8	17.9	18.3	18.1	35.4	36.2	35.9
K*OS006E4A**	YS33KAE	6	1-3/8	5/8	17.9	18.3	18.1	35.4	36.2	35.9
K*OS007E4A**	YS40KAE	7	1-3/8	5/8	38.1	38.9	38.6	39.3	40.2	39.8
K*OS008E4A**	YB51KAE	8	1-5/8	7/8	38.1	38.9	38.6	39.3	40.2	39.8
K*OS009E4A**	YB56KAE	9	1-5/8	7/8	38.1	38.9	38.6	39.3	40.2	39.8
K*OS010E4A**	YB68KAE	10	1-5/8	7/8	38.1	38.9	38.6	39.3	40.2	39.8
K*OS013E4A**	YB83KAE	13	2-1/8	7/8	42.3	43.3	42.9	60.1	61.4	60.9
K*OS015E4A**	YB100KAE	15	2-1/8	7/8	42.3	43.3	42.9	60.1	61.4	60.9

EXTENDED RANGE MEDIUM TEMPERATURE BITZER

Model No.	Comp. Model No.	HP	Connections (Inches)		Pump Down Capacity					
			Suction	Liquid	Standard Receiver			Oversized Receiver		
					90% R454A (Lbs.)	90% R454C (Lbs.)	90% R455A (Lbs.)	90% R454A (Lbs.)	90% R454C (Lbs.)	90% R455A (Lbs.)
K*BS003E4A**	2DES-3	3	1-1/8	5/8	-	18.3	18.1	-	36.2	35.9
K*BS004E4A**	2CES-4	4	1-3/8	5/8	-	18.3	18.1	-	36.2	35.9
K*BS005E4A**	4FES-5	5	1-3/8	5/8	-	18.3	18.1	-	36.2	35.9
K*BS006E4A**	4EES-6	6	1-5/8	5/8	-	38.9	38.6	-	40.2	39.8
K*BS007E4A**	4DES-7	7	1-5/8	7/8	-	38.9	38.6	-	40.2	39.8
K*BS008E4A**	4CES-9	8	1-5/8	7/8	-	38.9	38.6	-	40.2	39.8
K*BS010E4A**	4TES-12	10	2-1/8	7/8	-	38.9	38.6	-	40.2	39.8
K*BS012E4A**	4PES-15	12	2-1/8	7/8	-	43.3	42.9	-	61.4	60.9
K*BS015E4A**	4NES-20	15	2-1/8	7/8	-	43.3	42.9	-	61.4	60.9

* Each asterisk represents a variable character based upon model, voltage, and vintage ordered. See page 4 for nomenclature.

SPECIFICATIONS // ALL MODELS

LOW TEMPERATURE DISCUS

Model No.	Comp. Model No.	HP	Connections (Inches)		Pump Down Capacity					
			Suction	Liquid	Standard Receiver			Oversized Receiver		
					90% R454A (Lbs.)	90% R454C (Lbs.)	90% R455A (Lbs.)	90% R454A (Lbs.)	90% R454C (Lbs.)	90% R455A (Lbs.)
K*DS003L4A**	2YF3F13KE	3	1-3/8	1/2	17.9	18.3	18.1	35.4	36.2	35.9
K*DS004L4A**	2YL3F15KE	4	1-3/8	1/2	17.9	18.3	18.1	35.4	36.2	35.9
K*DS005L4A**	2YA3F17KE	5	1-3/8	1/2	17.9	18.3	18.1	35.4	36.2	35.9
K*DS006L4A**	3YA3F21KE	6	1-5/8	5/8	38.1	38.9	38.6	39.3	40.2	39.8
K*DS008L4A**	3YB3F24KE	8	1-5/8	5/8	38.1	38.9	38.6	39.3	40.2	39.8
K*DS009L4A**	3YF3F29KE	9	2-1/8	5/8	38.1	38.9	38.6	39.3	40.2	39.8
K*DS010L4A**	3YS3F33KE	10	2-1/8	5/8	38.1	38.9	38.6	39.3	40.2	39.8
K*DS012L4A**	4YBNF40KE	12	2-1/8	5/8	38.1	38.9	38.6	39.3	40.2	39.8
K*DS015L4A**	4YHNF46KE	15	2-1/8	5/8	38.1	38.9	38.6	39.3	40.2	39.8
K*DS022L4A**	4YJDF59KE	22	2-1/8	7/8	42.3	43.3	42.9	60.1	61.4	60.9

LOW TEMPERATURE SCROLL

Model No.	Comp. Model No.	HP	Connections (Inches)		Pump Down Capacity					
			Suction	Liquid	Standard Receiver			Oversized Receiver		
					90% R454A (Lbs.)	90% R454C (Lbs.)	90% R455A (Lbs.)	90% R454A (Lbs.)	90% R454C (Lbs.)	90% R455A (Lbs.)
K*OS008L4A**	YF19KAE	8	1-5/8	1/2	17.9	18.3	18.1	35.4	36.2	35.9
K*OS010L4A**	YF26KAE	10	1-5/8	5/8	38.1	38.9	38.6	39.3	40.2	39.8
K*OS013L4A**	YF32KAE	13	2-1/8	5/8	38.1	38.9	38.6	39.3	40.2	39.8
K*OS015L4A**	YF38KAE	15	2-1/8	5/8	38.1	38.9	38.6	39.3	40.2	39.8

LOW TEMPERATURE BITZER

Model No.	Comp. Model No.	HP	Connections (Inches)		Pump Down Capacity					
			Suction	Liquid	Standard Receiver			Oversized Receiver		
					90% R454A (Lbs.)	90% R454C (Lbs.)	90% R455A (Lbs.)	90% R454A (Lbs.)	90% R454C (Lbs.)	90% R455A (Lbs.)
K*BS003L4A**	4FES-3	3	1-3/8	1/2	-	18.3	18.1	-	36.2	35.9
K*BS004L4A**	4EES-4	4	1-3/8	1/2	-	18.3	18.1	-	36.2	35.9
K*BS005L4A**	4DES-5	5	1-3/8	1/2	-	18.3	18.1	-	36.2	35.9
K*BS006L4A**	4CES-6	6	1-5/8	1/2	-	18.3	18.1	-	36.2	35.9
K*BS008L4A**	4TES-9	8	1-5/8	5/8	-	38.9	38.6	-	40.2	39.8
K*BS009L4A**	4PES-12	9	1-5/8	5/8	-	38.9	38.6	-	40.2	39.8
K*BS010L4A**	4NES-14	10	2-1/8	5/8	-	38.9	38.6	-	40.2	39.8
K*BS012L4A**	4JE-15	12	2-1/8	5/8	-	38.9	38.6	-	40.2	39.8
K*BS015L4A**	4HE-18	15	2-1/8	5/8	-	38.9	38.6	-	40.2	39.8
K*BS022L4A**	4GE-23	22	2-1/8	7/8	-	43.3	42.9	-	61.4	60.9

* Each asterisk represents a variable character based upon model, voltage, and vintage ordered. See page 4 for nomenclature.

SPECIFICATIONS // ALL MODELS

MEDIUM TEMPERATURE DISCUS

Model No.	Comp. Model No.	Cabinet Size†	Fan Qty.	Dimensions (Inches)			Approx. Ship Wt. (Lbs.)
				D	W	H	
K*DS004M4A**	2YC3R51KE	FD1	1	49	38-5/16	36-3/8	825
K*DS005M4A**	2YD3R59KE	FD1	1	49	38-5/16	36-3/8	850
K*DS006M4A**	2YL3R73KE	FD2	2	49	68-5/16	36-3/8	1,075
K*DS007M4A**	2YA3R82K0	FD2	2	49	68-5/16	36-3/8	1,100
K*DS008M4A**	3YA3R99KE	FD2	2	49	68-5/16	36-3/8	1,130
K*DS010M4A**	3YB3R11ME	FD2	2	49	68-5/16	36-3/8	1,330
K*DS012M4A**	3YF3R14ME	FD3	2	49	68-5/16	43-7/8	1,330
K*DS015M4A**	3YS3R16ME	FD3	2	49	68-5/16	43-7/8	1,350

EXTENDED RANGE MEDIUM TEMPERATURE SCROLL

Model No.	Comp. Model No.	Cabinet Size†	Fan Qty.	Dimensions (Inches)			Approx. Ship Wt. (Lbs.)
				D	W	H	
K*OS004E4A**	YS26KAE	FD1	1	49	38-5/16	36-3/8	700
K*OS005E4A**	YS30KAE	FD1	1	49	38-5/16	36-3/8	710
K*OS006E4A**	YS33KAE	FD1	1	49	38-5/16	36-3/8	710
K*OS007E4A**	YS40KAE	FD2	2	49	68-5/16	36-3/8	870
K*OS008E4A**	YB51KAE	FD2	2	49	68-5/16	36-3/8	915
K*OS009E4A**	YB56KAE	FD2	2	49	68-5/16	36-3/8	980
K*OS010E4A**	YB68KAE	FD2	2	49	68-5/16	36-3/8	1,085
K*OS013E4A**	YB83KAE	FD3	2	49	68-5/16	43-7/8	1,105
K*OS015E4A**	YB100KAE	FD3	2	49	68-5/16	43-7/8	1,200

EXTENDED RANGE MEDIUM TEMPERATURE BITZER

Model No.	Comp. Model No.	Cabinet Size†	Fan Qty.	Dimensions (Inches)			Approx. Ship Wt. (Lbs.)
				D	W	H	
K*BS003E4A**	2DES-3	FD1	1	49	38-5/16	36-3/8	800
K*BS004E4A**	2CES-4	FD1	1	49	38-5/16	36-3/8	825
K*BS005E4A**	4FES-5	FD1	1	49	38-5/16	36-3/8	850
K*BS006E4A**	4EES-6	FD2	2	49	68-5/16	36-3/8	1,075
K*BS007E4A**	4DES-7	FD2	2	49	68-5/16	36-3/8	1,100
K*BS008E4A**	4CES-9	FD2	2	49	68-5/16	36-3/8	1,130
K*BS010E4A**	4TES-12	FD2	2	49	68-5/16	36-3/8	1,330
K*BS012E4A**	4PES-15	FD3	2	49	68-5/16	43-7/8	1,330
K*BS015E4A**	4NES-20	FD3	2	49	68-5/16	43-7/8	1,350

* Each asterisk represents a variable character based upon model, voltage, and vintage ordered. See page 4 for nomenclature.

† See pages 32-34 for associated drawings.

SPECIFICATIONS // ALL MODELS

LOW TEMPERATURE DISCUS

Model No.	Comp. Model No.	Cabinet Size†	Fan Qty.	Dimensions (Inches)			Approx. Ship Wt. (Lbs.)
				D	W	H	
K*DS003L4A**	2YF3F13KE	FD1	1	49	38-5/16	36-3/8	710
K*DS004L4A**	2YL3F15KE	FD1	1	49	38-5/16	36-3/8	760
K*DS005L4A**	2YA3F17KE	FD1	1	49	38-5/16	36-3/8	805
K*DS006L4A**	3YA3F21KE	FD2	2	49	68-5/16	36-3/8	870
K*DS008L4A**	3YB3F24KE	FD2	2	49	68-5/16	36-3/8	1,130
K*DS009L4A**	3YF3F29KE	FD2	2	49	68-5/16	36-3/8	1,275
K*DS010L4A**	3YS3F33KE	FD2	2	49	68-5/16	36-3/8	1,275
K*DS012L4A**	4YBNF40KE	FD2	2	49	68-5/16	36-3/8	1,290
K*DS015L4A**	4YHNF46KE	FD2	2	49	68-5/16	36-3/8	1,310
K*DS022L4A**	4YJDF59KE	FD3	2	49	68-5/16	43-7/8	1,420

LOW TEMPERATURE SCROLL

Model No.	Comp. Model No.	Cabinet Size†	Fan Qty.	Dimensions (Inches)			Approx. Ship Wt. (Lbs.)
				D	W	H	
K*OS008L4A**	YF19KAE	FD1	1	49	38-5/16	36-3/8	850
K*OS010L4A**	YF26KAE	FD2	2	49	68-5/16	36-3/8	1,025
K*OS013L4A**	YF32KAE	FD2	2	49	68-5/16	36-3/8	1,050
K*OS015L4A**	YF38KAE	FD2	2	49	68-5/16	36-3/8	1,105

LOW TEMPERATURE BITZER

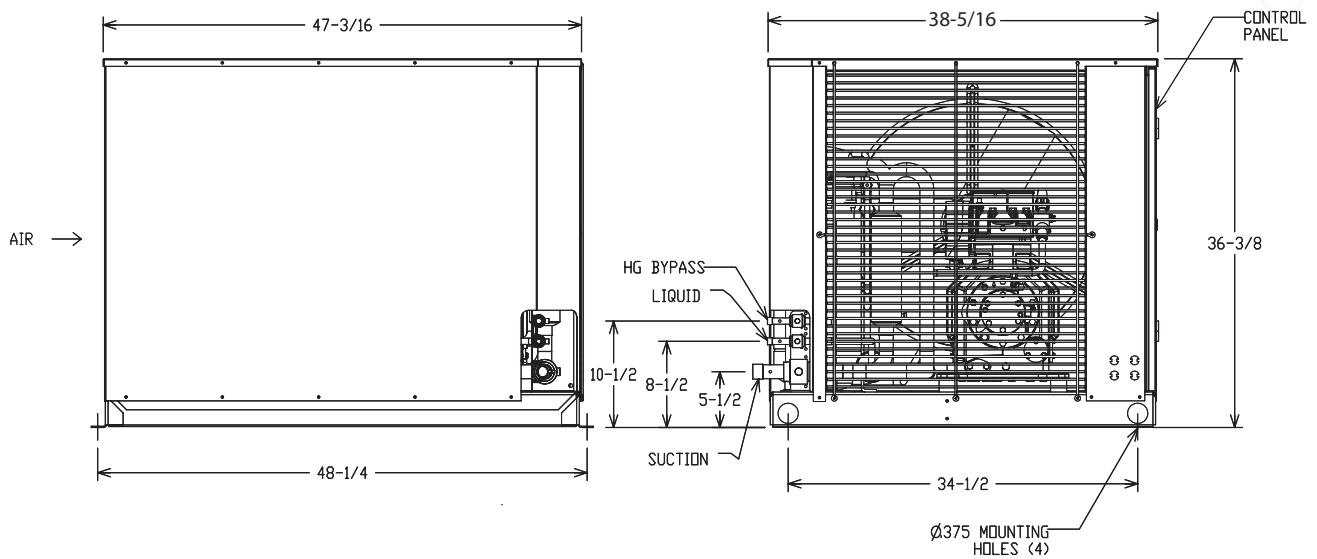
Model No.	Comp. Model No.	Cabinet Size†	Fan Qty.	Dimensions (Inches)			Approx. Ship Wt. (Lbs.)
				D	W	H	
K*BS003L4A**	4FES-3	FD1	1	49	38-5/16	36-3/8	710
K*BS004L4A**	4EES-4	FD1	1	49	38-5/16	36-3/8	760
K*BS005L4A**	4DES-5	FD1	1	49	38-5/16	36-3/8	805
K*BS006L4A**	4CES-6	FD1	1	49	38-5/16	36-3/8	870
K*BS008L4A**	4TES-9	FD2	2	49	68-5/16	36-3/8	1,130
K*BS009L4A**	4PES-12	FD2	2	49	68-5/16	36-3/8	1,275
K*BS010L4A**	4NES-14	FD2	2	49	68-5/16	36-3/8	1,275
K*BS012L4A**	4JE-15	FD2	2	49	68-5/16	36-3/8	1,290
K*BS015L4A**	4HE-18	FD2	2	49	68-5/16	36-3/8	1,310
K*BS022L4A**	4GE-23	FD3	2	49	68-5/16	43-7/8	1,420

* Each asterisk represents a variable character based upon model, voltage, and vintage ordered. See page 4 for nomenclature.

† See pages 33-35 for associated drawings.

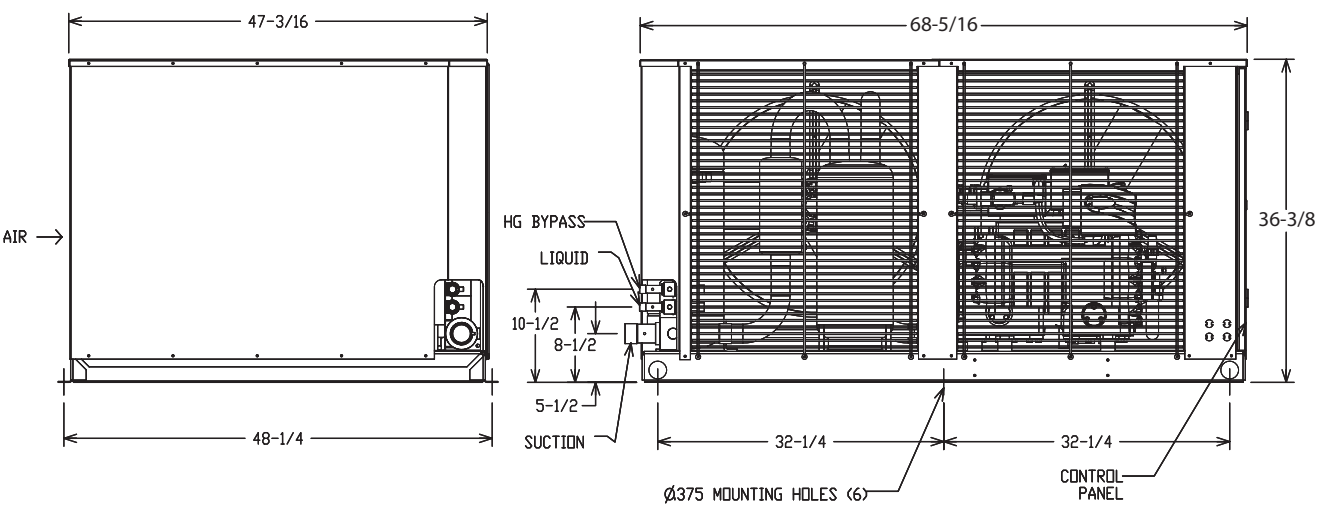
DIMENSIONAL DRAWINGS

Figure 1: FD1



DIMENSIONAL DRAWINGS

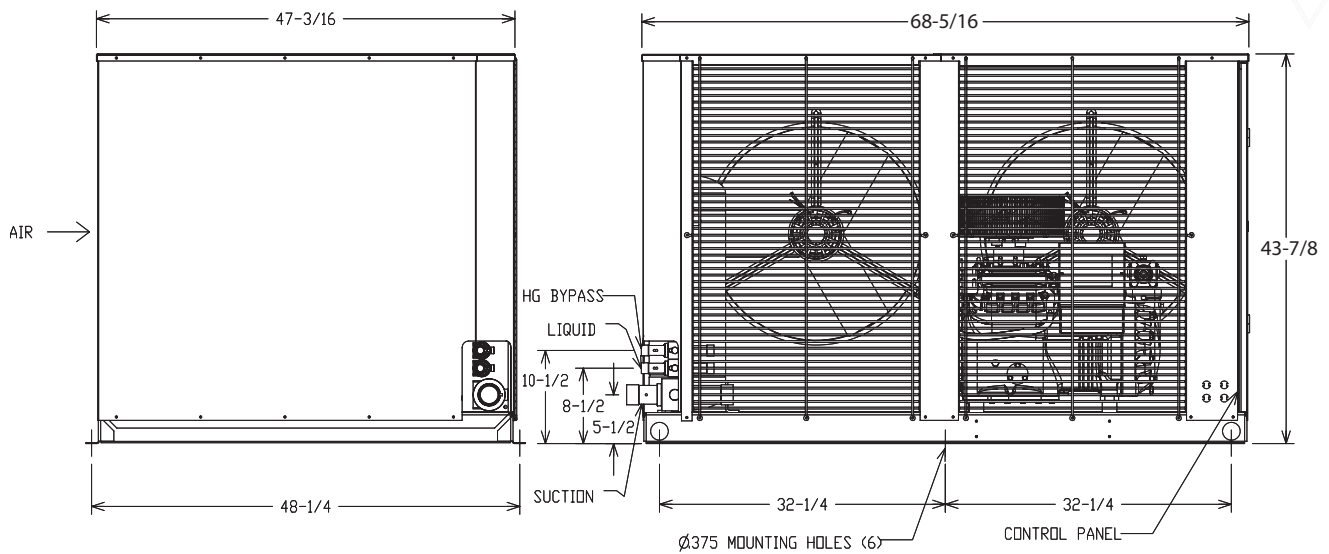
Figure 2: FD2



Dimensions are in inches.

DIMENSIONAL DRAWINGS

Figure 3: FD3



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

MEDIUM TEMPERATURE DISCUS

Department of Energy Annual Walk-In Energy Factor (AWEF) Ratings

Base Model No.	R454A	R454C	R455A
K*DS004M4A**	7.6	7.6	7.6
K*DS005M4A**	7.6	7.6	7.6
K*DS006M4A**	7.6	7.6	7.6
K*DS007M4A**	7.6	7.6	7.6
K*DS008M4A**	7.6	7.6	7.6
K*DS010M4A**	7.6	7.6	7.6
K*DS012M4A**	7.6	7.6	7.6
K*DS015M4A**	7.6	7.6	7.6

EXTENDED RANGE MEDIUM TEMPERATURE SCROLL

Department of Energy Annual Walk-In Energy Factor (AWEF) Ratings

Base Model No.	R454A	R454C	R455A
K*OS004E4A**	7.6	7.6	7.6
K*OS005E4A**	7.6	7.6	7.6
K*OS006E4A**	7.6	7.6	7.6
K*OS007E4A**	7.6	7.6	7.6
K*OS008E4A**	7.6	7.6	7.6
K*OS009E4A**	7.6	7.6	7.6
K*OS010E4A**	7.6	7.6	7.6
K*OS013E4A**	7.6	7.6	7.6
K*OS015E4A**	7.6	7.6	-

EXTENDED RANGE MEDIUM TEMPERATURE BITZER

Department of Energy Annual Walk-In Energy Factor (AWEF) Ratings

Base Model No.	R454A	R454C	R455A
K*BS003E4A**	7.6	7.6	7.6
K*BS004E4A**	7.6	7.6	7.6
K*BS005E4A**	7.6	7.6	7.6
K*BS006E4A**	7.6	7.6	7.6
K*BS007E4A**	7.6	7.6	7.6
K*BS008E4A**	7.6	7.6	7.6
K*BS010E4A**	7.6	7.6	7.6
K*BS012E4A**	7.6	7.6	7.6
K*BS015E4A**	7.6	7.6	7.6

If 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."

DEPARTMENT OF ENERGY ANNUAL WALK-IN ENERGY FACTOR (AWEF) RATINGS[^]**LOW TEMPERATURE DISCUS****Department of Energy Annual Walk-In Energy Factor (AWEF) Ratings**

Base Model No.	R454A	R454C	R455A
K*DS003L4A**	3.15	3.15	3.15
K*DS004L4A**	3.15	3.15	3.15
K*DS005L4A**	3.15	3.15	3.15
K*DS006L4A**	3.15	3.15	3.15
K*DS008L4A**	3.15	3.15	3.15
K*DS009L4A**	3.15	3.15	3.15
K*DS010L4A**	3.15	3.15	3.15
K*DS012L4A**	3.15	3.15	3.15
K*DS015L4A**	3.15	3.15	3.15
K*DS022L4A**	3.15	3.15	3.15

LOW TEMPERATURE SCROLL**Department of Energy Annual Walk-In Energy Factor (AWEF) Ratings**

Base Model No.	R454A	R454C	R455A
K*OS008L4A**	3.15	3.15	3.15
K*OS010L4A**	3.15	3.15	3.15
K*OS013L4A**	3.15	3.15	3.15
K*OS015L4A**	3.15	3.15	3.15

LOW TEMPERATURE BITZER**Department of Energy Annual Walk-In Energy Factor (AWEF) Ratings**

Base Model No.	R454A	R454C	R455A
K*BS003L4A**	3.15	3.15	3.15
K*BS004L4A**	3.15	3.15	3.15
K*BS005L4A**	3.15	3.15	3.15
K*BS006L4A**	3.15	3.15	3.15
K*BS008L4A**	3.15	3.15	3.15
K*BS009L4A**	3.15	3.15	3.15
K*BS010L4A**	3.15	3.15	3.15
K*BS012L4A**	3.15	3.15	3.15
K*BS015L4A**	3.15	3.15	3.15
K*BS022L4A**	3.15	3.15	3.15

If 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."



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