

# COLDZ<sup>o</sup>NE

## A2L NEXT GEN II

3 TO 22 HP

AIR-COOLED CONDENSING UNITS

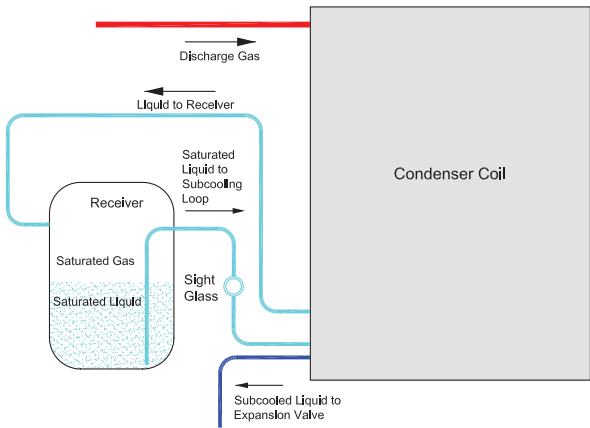


3 TO 22 HP AIR-COOLED CONDENSING UNITS

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 |     |     |
|------------------------------------------------------------------|---------|-----|-----|----------------|-----|-----|
|                                                                  | CFD     | CFO | CFB | CBD            | CBO | CBB |
| 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 |     |     |
|-------------------------------------------------------------------------------------------------------------------------------------------------|---------|-----|-----|----------------|-----|-----|
|                                                                                                                                                 | CFD     | CFO | CFB | CBD            | CBO | CBB |
| 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

| C            | F                              | D                                       | S                             | 004        | M                                                | 4A                          | E                                                                               | A       |
|--------------|--------------------------------|-----------------------------------------|-------------------------------|------------|--------------------------------------------------|-----------------------------|---------------------------------------------------------------------------------|---------|
| Brand        | Style                          | Compressor Type                         | Compressor Configuration      | Horsepower | Temperature Range                                | Refrigerant Class           | Voltage Code                                                                    | Vintage |
| C = Coldzone | F = Flooded<br>B = Non-Flooded | D = Discuss<br>O = Scroll<br>B = Bitzer | S = Single Horizontal (Large) | 004 = 4 HP | E = Extended Medium<br><br>L = Low<br>M = Medium | 4A = R454A, R454C, or R455A | E = 208-230/3/60<br><br>G= 460/3/60<br><br>N = 200-220/3/50<br><br>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°                | C*DS004M4A** | 2YC3R51KE       | 60,360                   | 54,890  | 49,730  | 44,800  | 40,160  | 35,820  | 31,670 | 27,750 | 24,180 | 20,840 | 17,710 |
|                    | C*DS005M4A** | 2YD3R59KE       | 67,790                   | 61,810  | 56,140  | 50,730  | 45,580  | 40,700  | 36,150 | 31,820 | 27,740 | 23,940 | 20,360 |
|                    | C*DS006M4A** | 2YL3R73KE       | 90,180                   | 81,550  | 73,860  | 66,410  | 59,360  | 52,790  | 46,620 | 40,850 | 35,480 | 30,570 | 25,880 |
|                    | C*DS007M4A** | 2YA3R82KO       | 99,710                   | 90,690  | 82,060  | 74,000  | 66,340  | 59,080  | 52,190 | 45,770 | 40,030 | 34,320 | 29,390 |
|                    | C*DS008M4A** | 3YA3R99KE       | 117,070                  | 106,480 | 96,610  | 87,140  | 78,320  | 69,950  | 62,030 | 54,610 | 47,710 | 41,090 | 35,180 |
|                    | C*DS010M4A** | 3YB3R11ME       | 134,150                  | 122,330 | 111,030 | 100,430 | 90,310  | 80,800  | 71,900 | 63,520 | 56,530 | 48,310 | 41,360 |
|                    | C*DS012M4A** | 3YF3R14ME       | 160,360                  | 146,240 | 132,630 | 119,720 | 108,500 | 96,020  | 85,270 | 75,230 | 65,100 | 56,990 | 48,860 |
|                    | C*DS015M4A** | 3YS3R16ME       | 175,200                  | 160,260 | 145,480 | 131,790 | 118,710 | 106,070 | 94,400 | 83,250 | 72,580 | 63,140 | 54,210 |
| 95°                | C*DS004M4A** | 2YC3R51KE       | 57,900                   | 52,630  | 47,630  | 42,880  | 38,450  | 34,270  | 30,270 | 26,560 | 23,090 | 19,890 | 16,920 |
|                    | C*DS005M4A** | 2YD3R59KE       | 64,990                   | 59,280  | 53,810  | 48,590  | 43,590  | 38,920  | 34,570 | 30,450 | 26,500 | 22,910 | 19,470 |
|                    | C*DS006M4A** | 2YL3R73KE       | 85,880                   | 77,810  | 70,910  | 60,490  | 56,860  | 50,290  | 44,530 | 38,980 | 34,030 | 29,180 | 24,800 |
|                    | C*DS007M4A** | 2YA3R82KO       | 95,860                   | 87,030  | 78,810  | 71,040  | 63,550  | 56,580  | 49,950 | 43,880 | 37,640 | 32,840 | 28,010 |
|                    | C*DS008M4A** | 3YA3R99KE       | 112,480                  | 102,330 | 92,750  | 83,600  | 75,110  | 67,090  | 59,370 | 52,280 | 45,420 | 39,510 | 33,780 |
|                    | C*DS010M4A** | 3YB3R11ME       | 128,810                  | 117,440 | 106,620 | 96,220  | 86,550  | 77,500  | 68,880 | 60,860 | 53,280 | 46,120 | 39,590 |
|                    | C*DS012M4A** | 3YF3R14ME       | 154,150                  | 140,420 | 127,300 | 114,720 | 103,340 | 92,230  | 81,820 | 72,010 | 62,840 | 54,410 | 46,660 |
|                    | C*DS015M4A** | 3YS3R16ME       | 168,490                  | 153,120 | 139,340 | 125,890 | 113,260 | 101,180 | 90,010 | 79,480 | 68,740 | 60,080 | 51,920 |
| 100°               | C*DS004M4A** | 2YC3R51KE       | 55,430                   | 50,360  | 45,540  | 41,010  | 36,740  | 32,700  | 28,900 | 25,350 | 22,050 | 18,990 | 16,180 |
|                    | C*DS005M4A** | 2YD3R59KE       | 62,140                   | 56,730  | 51,430  | 46,410  | 41,640  | 37,240  | 33,020 | 29,020 | 25,300 | 21,870 | 18,680 |
|                    | C*DS006M4A** | 2YL3R73KE       | 83,030                   | 75,360  | 67,990  | 61,040  | 54,500  | 48,350  | 42,630 | 37,360 | 32,440 | 27,950 | 24,050 |
|                    | C*DS007M4A** | 2YA3R82KO       | 91,890                   | 83,550  | 75,570  | 68,080  | 60,990  | 53,950  | 47,770 | 41,900 | 36,490 | 31,450 | 26,770 |
|                    | C*DS008M4A** | 3YA3R99KE       | 107,990                  | 98,030  | 88,970  | 80,040  | 71,940  | 64,120  | 56,770 | 49,840 | 43,500 | 37,470 | 32,090 |
|                    | C*DS010M4A** | 3YB3R11ME       | 123,500                  | 112,580 | 102,030 | 92,200  | 82,760  | 73,930  | 65,870 | 58,020 | 49,690 | 43,980 | 37,770 |
|                    | C*DS012M4A** | 3YF3R14ME       | 148,530                  | 134,960 | 122,580 | 110,200 | 98,590  | 88,300  | 78,130 | 68,800 | 59,500 | 52,070 | 44,860 |
|                    | C*DS015M4A** | 3YS3R16ME       | 160,940                  | 147,410 | 133,450 | 120,490 | 108,390 | 96,690  | 85,730 | 75,750 | 66,490 | 57,420 | 49,460 |
| 110°               | C*DS004M4A** | 2YC3R51KE       | 50,410                   | 45,770  | 41,380  | 37,210  | 33,330  | 29,640  | 26,170 | 22,960 | 20,000 | 17,270 | 14,800 |
|                    | C*DS005M4A** | 2YD3R59KE       | 56,580                   | 51,520  | 46,680  | 42,100  | 37,820  | 33,740  | 29,940 | 26,350 | 22,980 | 19,860 | 17,010 |
|                    | C*DS006M4A** | 2YL3R73KE       | 75,980                   | 68,680  | 62,020  | 55,520  | 49,500  | 43,860  | 38,620 | 33,790 | 29,350 | 25,190 | 21,430 |
|                    | C*DS007M4A** | 2YA3R82KO       | 84,060                   | 76,220  | 68,990  | 61,850  | 55,260  | 49,070  | 43,260 | 37,900 | 32,850 | 28,300 | 24,190 |
|                    | C*DS008M4A** | 3YA3R99KE       | 98,460                   | 89,440  | 80,860  | 72,960  | 65,220  | 58,080  | 51,320 | 45,110 | 39,460 | 34,070 | 29,040 |
|                    | C*DS010M4A** | 3YB3R11ME       | 112,700                  | 98,150  | 92,990  | 83,780  | 75,200  | 67,240  | 59,550 | 52,500 | 45,840 | 39,600 | 34,030 |
|                    | C*DS012M4A** | 3YF3R14ME       | 135,100                  | 122,880 | 111,110 | 100,070 | 89,940  | 79,880  | 70,800 | 62,200 | 54,310 | 46,620 | 40,270 |
|                    | C*DS015M4A** | 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<sup>‡</sup>

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

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

<sup>†</sup> See page 20 for Additional Compressor Cooling Graph.

<sup>‡</sup> 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°                | C*DS004M4A** | 2YC3R51KE       | 53,800                   | 48,690  | 43,770  | 39,130  | 34,810  | 30,780 | 26,980 | 23,510 | 20,250 | 17,320 | 14,640 |
|                    | C*DS005M4A** | 2YD3R59KE       | 60,700                   | 55,080  | 49,660  | 44,490  | 39,640  | 35,180 | 30,940 | 27,040 | 23,310 | 19,960 | 16,870 |
|                    | C*DS006M4A** | 2YL3R73KE       | 79,580                   | 71,800  | 64,310  | 57,420  | 50,730  | 44,740 | 39,220 | 34,100 | 29,280 | 24,970 | 20,980 |
|                    | C*DS007M4A** | 2YA3R82KO       | 88,560                   | 79,930  | 71,890  | 64,270  | 56,990  | 50,380 | 44,240 | 38,490 | 33,060 | 28,280 | 23,810 |
|                    | C*DS008M4A** | 3YA3R99KE       | 104,260                  | 94,350  | 85,060  | 76,220  | 67,690  | 60,110 | 52,830 | 46,130 | 39,700 | 34,080 | 28,680 |
|                    | C*DS010M4A** | 3YB3R11ME       | 120,130                  | 109,140 | 98,530  | 88,410  | 78,740  | 69,990 | 61,760 | 54,010 | 46,800 | 40,140 | 34,000 |
|                    | C*DS012M4A** | 3YF3R14ME       | 143,650                  | 129,810 | 116,830 | 104,510 | 93,430  | 83,080 | 73,210 | 63,960 | 55,220 | 47,530 | 40,210 |
|                    | C*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°                | C*DS004M4A** | 2YC3R51KE       | 51,550                   | 46,550  | 41,780  | 37,330  | 33,170  | 29,340 | 25,730 | 22,410 | 19,300 | 16,520 | 13,990 |
|                    | C*DS005M4A** | 2YD3R59KE       | 58,150                   | 52,680  | 47,460  | 42,550  | 37,920  | 33,540 | 29,500 | 25,750 | 22,240 | 18,990 | 16,080 |
|                    | C*DS006M4A** | 2YL3R73KE       | 76,360                   | 68,680  | 61,480  | 54,810  | 48,660  | 42,840 | 37,460 | 32,520 | 28,040 | 23,740 | 20,080 |
|                    | C*DS007M4A** | 2YA3R82KO       | 84,930                   | 76,640  | 68,820  | 61,310  | 54,490  | 48,110 | 42,210 | 36,690 | 31,560 | 26,950 | 22,770 |
|                    | C*DS008M4A** | 3YA3R99KE       | 100,160                  | 90,410  | 81,300  | 72,800  | 64,910  | 57,340 | 50,280 | 44,040 | 37,910 | 32,280 | 27,400 |
|                    | C*DS010M4A** | 3YB3R11ME       | 115,300                  | 104,560 | 94,110  | 84,490  | 75,500  | 66,800 | 58,980 | 51,540 | 44,570 | 38,200 | 32,430 |
|                    | C*DS012M4A** | 3YF3R14ME       | 137,230                  | 124,040 | 111,680 | 100,490 | 89,740  | 79,320 | 69,840 | 60,950 | 52,680 | 45,210 | 38,340 |
|                    | C*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°               | C*DS004M4A** | 2YC3R51KE       | 49,260                   | 44,470  | 39,840  | 35,580  | 31,620  | 27,930 | 24,500 | 21,320 | 18,390 | 15,740 | 13,330 |
|                    | C*DS005M4A** | 2YD3R59KE       | 55,550                   | 50,350  | 45,350  | 40,550  | 36,190  | 31,950 | 28,110 | 24,500 | 21,160 | 18,120 | 15,340 |
|                    | C*DS006M4A** | 2YL3R73KE       | 73,070                   | 65,830  | 58,800  | 52,350  | 46,380  | 40,840 | 35,720 | 30,950 | 26,600 | 22,690 | 19,070 |
|                    | C*DS007M4A** | 2YA3R82KO       | 81,340                   | 73,340  | 65,700  | 58,740  | 51,940  | 45,900 | 40,200 | 34,900 | 30,090 | 25,690 | 21,690 |
|                    | C*DS008M4A** | 3YA3R99KE       | 95,820                   | 86,710  | 77,630  | 69,380  | 61,790  | 54,660 | 47,930 | 41,810 | 36,120 | 30,710 | 26,050 |
|                    | C*DS010M4A** | 3YB3R11ME       | 110,430                  | 99,800  | 90,060  | 80,570  | 71,970  | 63,670 | 56,130 | 49,040 | 42,480 | 36,210 | 30,820 |
|                    | C*DS012M4A** | 3YF3R14ME       | 131,370                  | 119,430 | 106,930 | 95,740  | 85,230  | 75,640 | 66,560 | 57,910 | 50,220 | 42,750 | 36,430 |
|                    | C*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°               | C*DS004M4A** | 2YC3R51KE       | 44,620                   | 40,190  | 36,080  | 32,180  | 28,490  | 25,160 | 22,070 | 19,220 | 16,620 | 14,300 | 12,190 |
|                    | C*DS005M4A** | 2YD3R59KE       | 50,280                   | 45,480  | 40,940  | 36,570  | 32,530  | 28,800 | 25,310 | 22,070 | 19,120 | 16,410 | 13,980 |
|                    | C*DS006M4A** | 2YL3R73KE       | 66,430                   | 59,520  | 53,260  | 47,400  | 41,840  | 36,770 | 32,150 | 27,890 | 23,980 | 20,480 | 17,290 |
|                    | C*DS007M4A** | 2YA3R82KO       | 74,050                   | 66,660  | 59,610  | 53,010  | 46,920  | 41,390 | 36,250 | 31,430 | 27,020 | 23,070 | 19,550 |
|                    | C*DS008M4A** | 3YA3R99KE       | 87,260                   | 78,410  | 70,540  | 62,810  | 55,690  | 49,240 | 43,140 | 37,550 | 32,350 | 27,580 | 23,410 |
|                    | C*DS010M4A** | 3YB3R11ME       | 100,240                  | 90,610  | 81,460  | 72,860  | 64,790  | 57,370 | 50,390 | 44,100 | 37,980 | 32,620 | 27,670 |
|                    | C*DS012M4A** | 3YF3R14ME       | 120,100                  | 108,290 | 96,890  | 87,000  | 77,000  | 68,200 | 59,750 | 52,050 | 44,850 | 38,380 | 32,720 |
|                    | C*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°                | C*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 |
|                    | C*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 |
|                    | C*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 |
|                    | C*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 |
|                    | C*OS008E4A** | YB51KAE        | 95,010                  | 85,980  | 77,710  | 70,030  | 62,860  | 56,280  | 50,230 | 44,720 | 39,630 | 35,140 | 31,020 | -      |
|                    | C*OS009E4A** | YB56KAE        | 103,070                 | 93,540  | 84,680  | 76,400  | 69,110  | 61,850  | 55,330 | 49,310 | 43,960 | 38,880 | 34,410 | -      |
|                    | C*OS010E4A** | YB68KAE        | 121,360                 | 110,980 | 99,910  | 90,680  | 81,500  | 73,180  | 65,610 | 58,400 | 51,890 | 46,000 | 40,710 | -      |
|                    | C*OS013E4A** | YB83KAE        | 147,520                 | 134,580 | 121,920 | 110,110 | 98,830  | 88,640  | 78,690 | 69,860 | 61,430 | 53,870 | 47,170 | -      |
|                    | C*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°                | C*OS004E4A** | YS26KAE        | 43,930                  | 40,400  | 36,110  | 32,590  | 29,330  | 26,310  | 23,600 | 21,120 | 18,870 | 16,800 | 14,930 | -      |
|                    | C*OS005E4A** | YS30KAE        | 49,090                  | 44,500  | 40,350  | 36,490  | 32,930  | 29,600  | 26,620 | 23,790 | 21,300 | 19,010 | 16,910 | -      |
|                    | C*OS006E4A** | YS33KAE        | 56,830                  | 51,880  | 47,220  | 42,680  | 38,440  | 34,470  | 30,780 | 27,300 | 24,070 | 21,170 | 18,500 | -      |
|                    | C*OS007E4A** | YS40KAE        | 71,900                  | 65,250  | 59,040  | 53,160  | 47,640  | 42,570  | 37,720 | 33,270 | 29,230 | 25,720 | 22,410 | -      |
|                    | C*OS008E4A** | YB51KAE        | 91,560                  | 82,910  | 74,950  | 67,660  | 61,060  | 54,050  | 48,050 | 42,610 | 38,290 | 33,880 | 29,890 | -      |
|                    | C*OS009E4A** | YB56KAE        | 99,460                  | 90,250  | 81,720  | 73,810  | 66,470  | 59,630  | 53,380 | 47,560 | 42,270 | 37,510 | 33,130 | -      |
|                    | C*OS010E4A** | YB68KAE        | 118,000                 | 107,020 | 96,830  | 87,530  | 78,470  | 70,600  | 63,060 | 56,180 | 49,940 | 44,330 | 39,140 | -      |
|                    | C*OS013E4A** | YB83KAE        | 142,360                 | 130,030 | 117,580 | 106,340 | 95,640  | 85,160  | 76,010 | 67,360 | 59,150 | 52,210 | 45,690 | -      |
|                    | C*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°               | C*OS004E4A** | YS26KAE        | 42,050                  | 38,140  | 34,520  | 31,130  | 27,990  | 25,140  | 22,550 | 20,170 | 17,990 | 16,060 | 14,310 | -      |
|                    | C*OS005E4A** | YS30KAE        | 46,850                  | 42,570  | 38,610  | 34,880  | 31,450  | 28,260  | 25,390 | 22,740 | 20,360 | 18,160 | 16,210 | -      |
|                    | C*OS006E4A** | YS33KAE        | 54,840                  | 50,090  | 45,480  | 41,130  | 37,100  | 33,270  | 29,640 | 26,230 | 23,180 | 20,370 | 17,850 | -      |
|                    | C*OS007E4A** | YS40KAE        | 69,390                  | 63,150  | 57,050  | 51,450  | 46,000  | 40,990  | 36,430 | 32,090 | 28,150 | 24,730 | 21,550 | -      |
|                    | C*OS008E4A** | YB51KAE        | 88,240                  | 79,890  | 72,190  | 64,980  | 58,360  | 52,210  | 46,590 | 41,500 | 36,720 | 32,480 | 28,830 | -      |
|                    | C*OS009E4A** | YB56KAE        | 95,770                  | 86,960  | 78,670  | 71,160  | 63,980  | 57,400  | 51,310 | 45,720 | 40,780 | 36,030 | 31,860 | -      |
|                    | C*OS010E4A** | YB68KAE        | 113,500                 | 103,020 | 93,190  | 83,710  | 75,620  | 67,760  | 60,650 | 54,100 | 48,070 | 42,710 | 37,700 | -      |
|                    | C*OS013E4A** | YB83KAE        | 137,320                 | 124,800 | 113,180 | 102,180 | 91,920  | 81,700  | 73,090 | 64,640 | 56,680 | 50,200 | 44,210 | -      |
|                    | C*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°               | C*OS004E4A** | YS26KAE        | 38,200                  | 34,630  | 31,290  | 28,170  | 25,360  | 22,740  | 20,390 | 18,240 | 16,250 | -      | -      | -      |
|                    | C*OS005E4A** | YS30KAE        | 42,470                  | 38,570  | 34,980  | 31,610  | 28,420  | 25,590  | 22,980 | 20,550 | 18,290 | -      | -      | -      |
|                    | C*OS006E4A** | YS33KAE        | 50,710                  | 46,270  | 42,040  | 38,070  | 34,270  | 30,720  | 27,340 | 24,210 | 21,380 | -      | -      | -      |
|                    | C*OS007E4A** | YS40KAE        | 64,440                  | 58,520  | 52,830  | 47,530  | 42,520  | 37,900  | 33,640 | 29,680 | 26,100 | -      | -      | -      |
|                    | C*OS008E4A** | YB51KAE        | 81,620                  | 73,750  | 66,710  | 59,900  | 53,930  | 48,130  | 42,920 | 38,140 | 33,850 | -      | -      | -      |
|                    | C*OS009E4A** | YB56KAE        | 88,540                  | 80,270  | 72,740  | 65,650  | 58,990  | 52,870  | 47,300 | 42,070 | 37,560 | -      | -      | -      |
|                    | C*OS010E4A** | YB68KAE        | 104,660                 | 94,940  | 85,800  | 77,500  | 69,630  | 62,570  | 55,770 | 49,600 | 44,260 | -      | -      | -      |
|                    | C*OS013E4A** | YB83KAE        | 126,980                 | 115,550 | 104,740 | 94,550  | 85,840  | 76,080  | 67,660 | 59,760 | 52,960 | -      | -      | -      |
|                    | C*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<sup>‡</sup>

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

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

<sup>†</sup> See page 20 for Additional Compressor Cooling Graph.<sup>‡</sup> 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°                | C*OS004E4A** | YS26KAE         | 40,070                   | 36,120  | 32,500  | 29,120  | 26,020  | 23,160 | 20,620 | 18,310 | 16,260 | 14,390 | -    | -    |
|                    | C*OS005E4A** | YS30KAE         | 44,930                   | 40,540  | 36,530  | 32,870  | 29,310  | 26,230 | 23,370 | 20,770 | 18,410 | 16,310 | -    | -    |
|                    | C*OS006E4A** | YS33KAE         | 53,740                   | 48,920  | 44,290  | 39,930  | 35,780  | 31,890 | 28,280 | 24,990 | 21,910 | 19,160 | -    | -    |
|                    | C*OS007E4A** | YS40KAE         | 66,840                   | 60,500  | 54,600  | 48,930  | 43,660  | 38,740 | 34,210 | 30,090 | 26,370 | 23,040 | -    | -    |
|                    | C*OS008E4A** | YB51KAE         | 85,510                   | 77,370  | 69,710  | 62,580  | 55,850  | 49,900 | 44,390 | 39,370 | 34,780 | 31,610 | -    | -    |
|                    | C*OS009E4A** | YB56KAE         | 93,340                   | 84,530  | 76,300  | 68,820  | 61,620  | 55,180 | 49,130 | 43,600 | 38,620 | 34,040 | -    | -    |
|                    | C*OS010E4A** | YB68KAE         | 111,000                  | 100,570 | 90,930  | 81,980  | 73,430  | 65,770 | 58,470 | 51,890 | 45,960 | 40,600 | -    | -    |
|                    | C*OS013E4A** | YB83KAE         | 134,960                  | 122,740 | 110,720 | 99,540  | 89,250  | 79,390 | 70,190 | 61,780 | 54,110 | 47,530 | -    | -    |
|                    | C*OS015E4A** | YB100KAE        | 157,120                  | 143,860 | 130,020 | 117,390 | 105,740 | 94,170 | 83,700 | 73,730 | 64,760 | 56,860 | -    | -    |
| 95°                | C*OS004E4A** | YS26KAE         | 38,310                   | 34,550  | 31,050  | 27,750  | 24,810  | 22,130 | 19,700 | 17,460 | 15,490 | 13,700 | -    | -    |
|                    | C*OS005E4A** | YS30KAE         | 42,970                   | 38,760  | 34,940  | 31,330  | 27,990  | 25,010 | 22,270 | 19,810 | 17,560 | 15,560 | -    | -    |
|                    | C*OS006E4A** | YS33KAE         | 51,870                   | 47,190  | 42,740  | 38,440  | 34,480  | 30,750 | 27,250 | 24,060 | 22,090 | 18,460 | -    | -    |
|                    | C*OS007E4A** | YS40KAE         | 64,540                   | 58,450  | 52,670  | 47,270  | 42,080  | 37,340 | 33,090 | 29,070 | 25,380 | 22,180 | -    | -    |
|                    | C*OS008E4A** | YB51KAE         | 82,410                   | 74,530  | 67,200  | 60,320  | 53,900  | 48,070 | 42,700 | 37,910 | 33,500 | 29,470 | -    | -    |
|                    | C*OS009E4A** | YB56KAE         | 89,820                   | 81,370  | 73,370  | 66,150  | 59,290  | 53,120 | 47,240 | 41,990 | 37,070 | 32,400 | -    | -    |
|                    | C*OS010E4A** | YB68KAE         | 106,900                  | 96,770  | 87,410  | 78,630  | 70,700  | 63,040 | 56,230 | 49,870 | 44,180 | 38,960 | -    | -    |
|                    | C*OS013E4A** | YB83KAE         | 129,860                  | 118,200 | 106,780 | 96,090  | 85,780  | 76,340 | 67,540 | 59,510 | 52,340 | 45,720 | -    | -    |
|                    | C*OS015E4A** | YB100KAE        | 151,700                  | 137,820 | 125,500 | 113,650 | 101,670 | 90,510 | 80,460 | 70,890 | 62,430 | 54,700 | -    | -    |
| 100°               | C*OS004E4A** | YS26KAE         | 36,550                   | 32,940  | 29,560  | 26,440  | 23,610  | 21,070 | 18,740 | 16,620 | 14,610 | -      | -    | -    |
|                    | C*OS005E4A** | YS30KAE         | 40,950                   | 36,940  | 33,280  | 29,790  | 26,650  | 23,800 | 21,180 | 18,810 | 16,710 | -      | -    | -    |
|                    | C*OS006E4A** | YS33KAE         | 50,050                   | 45,490  | 41,150  | 37,010  | 33,220  | 29,570 | 26,210 | 23,110 | 20,270 | -      | -    | -    |
|                    | C*OS007E4A** | YS40KAE         | 62,340                   | 56,430  | 50,760  | 45,490  | 40,550  | 36,030 | 31,790 | 27,920 | 24,460 | -      | -    | -    |
|                    | C*OS008E4A** | YB51KAE         | 79,240                   | 71,630  | 64,440  | 57,920  | 51,700  | 46,210 | 41,110 | 36,350 | 32,140 | -      | -    | -    |
|                    | C*OS009E4A** | YB56KAE         | 86,490                   | 78,270  | 70,710  | 63,630  | 57,130  | 51,010 | 45,380 | 40,420 | 34,240 | -      | -    | -    |
|                    | C*OS010E4A** | YB68KAE         | 102,900                  | 93,140  | 83,900  | 75,470  | 67,750  | 60,530 | 53,960 | 47,890 | 42,310 | -      | -    | -    |
|                    | C*OS013E4A** | YB83KAE         | 124,980                  | 113,810 | 102,600 | 92,160  | 82,410  | 73,470 | 65,060 | 57,250 | 50,320 | -      | -    | -    |
|                    | C*OS015E4A** | YB100KAE        | 146,120                  | 133,520 | 120,820 | 108,880 | 97,880  | 87,060 | 77,390 | 68,320 | 60,150 | -      | -    | -    |
| 110°               | C*OS004E4A** | YS26KAE         | 33,060                   | 29,670  | 26,640  | 23,800  | 21,210  | 18,890 | 16,800 | -      | -      | -      | -    | -    |
|                    | C*OS005E4A** | YS30KAE         | 36,980                   | 33,300  | 29,970  | 26,820  | 23,920  | 21,360 | 19,010 | -      | -      | -      | -    | -    |
|                    | C*OS006E4A** | YS33KAE         | 46,150                   | 41,970  | 37,950  | 34,090  | 30,540  | 27,210 | 24,080 | -      | -      | -      | -    | -    |
|                    | C*OS007E4A** | YS40KAE         | 57,870                   | 52,310  | 46,990  | 41,950  | 37,390  | 33,210 | 29,270 | -      | -      | -      | -    | -    |
|                    | C*OS008E4A** | YB51KAE         | 73,040                   | 65,990  | 59,310  | 53,300  | 47,550  | 42,460 | 37,650 | -      | -      | -      | -    | -    |
|                    | C*OS009E4A** | YB56KAE         | 79,590                   | 72,190  | 65,040  | 58,520  | 52,320  | 46,860 | 41,620 | -      | -      | -      | -    | -    |
|                    | C*OS010E4A** | YB68KAE         | 94,500                   | 85,650  | 77,230  | 69,320  | 62,190  | 55,620 | 49,390 | -      | -      | -      | -    | -    |
|                    | C*OS013E4A** | YB83KAE         | 115,320                  | 104,830 | 94,680  | 84,880  | 75,850  | 67,630 | 59,880 | -      | -      | -      | -    | -    |
|                    | C*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°                | C*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  |
|                    | C*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 |
|                    | C*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 |
|                    | C*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 |
|                    | C*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 |
|                    | C*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 |
|                    | C*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 |
|                    | C*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 |
|                    | C*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°                | C*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  |
|                    | C*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 |
|                    | C*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 |
|                    | C*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 |
|                    | C*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 |
|                    | C*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 |
|                    | C*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 |
|                    | C*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 |
|                    | C*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°               | C*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  |
|                    | C*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  |
|                    | C*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 |
|                    | C*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 |
|                    | C*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 |
|                    | C*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 |
|                    | C*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 |
|                    | C*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 |
|                    | C*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°               | C*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  |
|                    | C*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  |
|                    | C*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  |
|                    | C*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 |
|                    | C*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 |
|                    | C*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 |
|                    | C*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 |
|                    | C*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 |
|                    | C*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°                | C*BS003E4A** | 2DES-3          | 45,080                   | 40,490  | 36320   | 32210   | 28650   | 25290  | 22210  | 19390  | 16810  | 14280  | 12390  | -    |
|                    | C*BS004E4A** | 2CES-4          | 55,490                   | 50,050  | 44970   | 40170   | 35850   | 31810  | 28070  | 24620  | 21430  | 18550  | 15980  | -    |
|                    | C*BS005E4A** | 4FES-5          | 60,150                   | 54,350  | 48830   | 43610   | 38900   | 34520  | 30470  | 26730  | 23340  | 20180  | 17290  | -    |
|                    | C*BS006E4A** | 4EES-6          | 79,960                   | 71,810  | 64250   | 57110   | 50530   | 44520  | 39100  | 34130  | 29570  | 25510  | 21810  | -    |
|                    | C*BS007E4A** | 4DES-7          | 89,890                   | 80,940  | 72580   | 64690   | 57160   | 50490  | 44360  | 38760  | 33630  | 29020  | 24680  | -    |
|                    | C*BS008E4A** | 4CES-9          | 110,580                  | 99,690  | 89700   | 80260   | 71490   | 63520  | 56020  | 49130  | 42790  | 37080  | 31920  | -    |
|                    | C*BS010E4A** | 4TES-12         | 131,090                  | 118,300 | 106230  | 94940   | 84380   | 74530  | 65670  | 57350  | 49640  | 42690  | 36390  | -    |
|                    | C*BS012E4A** | 4PES-15         | 151,600                  | 136,060 | 121730  | 108410  | 95880   | 84220  | 73890  | 63970  | 55000  | 47820  | 39830  | -    |
|                    | C*BS015E4A** | 4NES-20         | 174,230                  | 157,670 | 140460  | 126030  | 110840  | 99500  | 87780  | 76750  | 66340  | 56790  | 48780  | -    |
| 95°                | C*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 | -    |
|                    | C*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 | -    |
|                    | C*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 | -    |
|                    | C*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 | -    |
|                    | C*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 | -    |
|                    | C*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 | -    |
|                    | C*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 | -    |
|                    | C*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 | -    |
|                    | C*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°               | C*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 | -    |
|                    | C*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 | -    |
|                    | C*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 | -    |
|                    | C*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 | -    |
|                    | C*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 | -    |
|                    | C*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 | -    |
|                    | C*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 | -    |
|                    | C*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 | -    |
|                    | C*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°               | C*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  | -    |
|                    | C*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 | -    |
|                    | C*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 | -    |
|                    | C*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 | -    |
|                    | C*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 | -    |
|                    | C*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 | -    |
|                    | C*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 | -    |
|                    | C*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 | -    |
|                    | C*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°                | C*DS003L4A** | 2YF3F13KE       | 30,630                   | 26,680  | 23,060 | 19,790 | 16,860 | 14,250 | 12,000 | 10,040 | 8,360  |
|                    | C*DS004L4A** | 2YL3F15KE       | 33,900                   | 29,610  | 25,600 | 21,980 | 18,760 | 15,860 | 13,350 | 11,170 | 9,320  |
|                    | C*DS005L4A** | 2YA3F17KE       | 37,790                   | 33,090  | 28,690 | 24,720 | 21,070 | 17,830 | 15,010 | 12,510 | 10,380 |
|                    | C*DS006L4A** | 3YA3F21KE       | 48,290                   | 42,060  | 36,240 | 30,980 | 26,260 | 22,100 | 18,460 | 15,310 | 12,630 |
|                    | C*DS008L4A** | 3YB3F24KE       | 56,300                   | 49,130  | 42,400 | 36,410 | 30,900 | 26,080 | 21,860 | 18,170 | 15,040 |
|                    | C*DS009L4A** | 3YF3F29K0       | 66,150                   | 57,700  | 49,880 | 43,000 | 36,630 | 30,980 | 26,030 | 21,650 | 17,850 |
|                    | C*DS010L4A** | 3YS3F33KE       | 72,830                   | 63,700  | 55,320 | 47,860 | 40,660 | 34,380 | 28,920 | 24,070 | 19,830 |
|                    | C*DS012L4A** | 4YBNF40KE       | 87,000                   | 76,370  | 66,460 | 57,490 | 49,150 | 41,640 | 35,070 | 29,290 | 24,210 |
|                    | C*DS015L4A** | 4YHNF46KE       | 97,810                   | 86,530  | 75,240 | 65,400 | 56,120 | 47,780 | 40,250 | 33,720 | 27,870 |
|                    | C*DS022L4A** | 4YJDF59KE       | 119,940                  | 105,770 | 92,540 | 79,970 | 68,700 | 58,670 | 49,420 | 41,340 | 34,490 |
| 95°                | C*DS003L4A** | 2YF3F13KE       | 29,410                   | 25,560  | 22,040 | 18,890 | 16,060 | 13,550 | 11,380 | 9,490  | 7,880  |
|                    | C*DS004L4A** | 2YL3F15KE       | 32,520                   | 28,320  | 24,470 | 20,990 | 17,860 | 15,050 | 12,670 | 10,570 | 8,800  |
|                    | C*DS005L4A** | 2YA3F17KE       | 36,140                   | 31,580  | 27,390 | 23,530 | 20,070 | 16,990 | 14,230 | 11,850 | 9,790  |
|                    | C*DS006L4A** | 3YA3F21KE       | 46,290                   | 40,220  | 34,550 | 29,550 | 25,000 | 20,960 | 17,460 | 14,440 | 11,930 |
|                    | C*DS008L4A** | 3YB3F24KE       | 53,370                   | 46,980  | 40,530 | 34,710 | 29,400 | 24,800 | 20,670 | 17,130 | 14,180 |
|                    | C*DS009L4A** | 3YF3F29K0       | 63,350                   | 55,270  | 47,840 | 40,920 | 34,920 | 29,420 | 24,640 | 20,410 | 16,840 |
|                    | C*DS010L4A** | 3YS3F33KE       | 69,810                   | 60,940  | 52,720 | 45,320 | 38,600 | 32,640 | 27,360 | 22,730 | 18,700 |
|                    | C*DS012L4A** | 4YBNF40KE       | 83,330                   | 73,000  | 63,510 | 54,710 | 46,780 | 39,580 | 33,250 | 27,610 | 22,840 |
|                    | C*DS015L4A** | 4YHNF46KE       | 93,550                   | 82,280  | 71,850 | 62,170 | 53,330 | 45,400 | 38,150 | 32,020 | 26,260 |
|                    | C*DS022L4A** | 4YJDF59KE       | 114,720                  | 100,800 | 87,930 | 76,150 | 65,300 | 55,580 | 47,040 | 39,280 | 32,670 |
| 100°               | C*DS003L4A** | 2YF3F13KE       | 28,150                   | 24,460  | 21,090 | 18,030 | 15,270 | 12,850 | 10,770 | 8,960  | 7,440  |
|                    | C*DS004L4A** | 2YL3F15KE       | 31,140                   | 27,050  | 23,360 | 19,970 | 16,950 | 14,270 | 11,970 | 9,980  | 8,290  |
|                    | C*DS005L4A** | 2YA3F17KE       | 34,500                   | 30,170  | 26,080 | 22,400 | 19,060 | 16,070 | 13,460 | 11,190 | 9,240  |
|                    | C*DS006L4A** | 3YA3F21KE       | 44,230                   | 38,320  | 32,930 | 28,070 | 23,720 | 19,850 | 16,520 | 13,760 | 11,250 |
|                    | C*DS008L4A** | 3YB3F24KE       | 51,550                   | 44,800  | 38,560 | 32,950 | 27,920 | 23,420 | 19,530 | 16,180 | 13,360 |
|                    | C*DS009L4A** | 3YF3F29K0       | 60,600                   | 52,820  | 45,520 | 38,860 | 33,070 | 27,850 | 23,320 | 19,280 | 15,850 |
|                    | C*DS010L4A** | 3YS3F33KE       | 66,690                   | 58,060  | 50,220 | 43,060 | 36,580 | 30,830 | 25,860 | 21,390 | 17,590 |
|                    | C*DS012L4A** | 4YBNF40KE       | 79,450                   | 69,540  | 60,290 | 51,920 | 44,270 | 37,340 | 31,350 | 26,020 | 21,440 |
|                    | C*DS015L4A** | 4YHNF46KE       | 89,300                   | 78,450  | 68,330 | 59,050 | 50,380 | 42,700 | 36,040 | 29,950 | 24,720 |
|                    | C*DS022L4A** | 4YJDF59KE       | 109,440                  | 96,100  | 83,610 | 72,270 | 61,950 | 52,540 | 44,430 | 36,980 | 30,700 |
| 110°               | C*DS003L4A** | 2YF3F13KE       | 25,710                   | 22,230  | 19,100 | 16,230 | 13,690 | 11,470 | 9,540  | 7,890  | 6,500  |
|                    | C*DS004L4A** | 2YL3F15KE       | 28,340                   | 24,560  | 21,100 | 17,980 | 15,180 | 12,710 | 10,600 | 8,780  | 7,270  |
|                    | C*DS005L4A** | 2YA3F17KE       | 31,170                   | 27,210  | 23,480 | 20,110 | 17,060 | 14,320 | 11,960 | 9,890  | 8,120  |
|                    | C*DS006L4A** | 3YA3F21KE       | 39,940                   | 34,560  | 29,650 | 25,140 | 21,140 | 17,630 | 14,640 | 12,090 | 9,980  |
|                    | C*DS008L4A** | 3YB3F24KE       | 46,690                   | 40,550  | 34,700 | 29,550 | 24,900 | 20,820 | 17,260 | 14,220 | 11,660 |
|                    | C*DS009L4A** | 3YF3F29K0       | 54,950                   | 47,660  | 40,970 | 34,920 | 29,490 | 24,720 | 20,520 | 16,920 | 13,860 |
|                    | C*DS010L4A** | 3YS3F33KE       | 60,310                   | 52,480  | 45,180 | 38,590 | 32,620 | 27,380 | 22,780 | 18,780 | 15,360 |
|                    | C*DS012L4A** | 4YBNF40KE       | 71,750                   | 62,760  | 54,180 | 46,430 | 39,430 | 33,070 | 27,600 | 22,740 | 18,690 |
|                    | C*DS015L4A** | 4YHNF46KE       | 80,370                   | 70,770  | 61,420 | 52,680 | 45,080 | 37,780 | 31,680 | 26,190 | 21,560 |
|                    | C*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°                | C*DS003L4A** | 2YF3F13KE       | 25,120                   | 21,730 | 18,660 | 15,940 | 13,510 | 11,380 | 9,500  | 7,910  | 6,520  |
|                    | C*DS004L4A** | 2YL3F15KE       | 27,870                   | 24,140 | 20,750 | 17,700 | 15,000 | 12,640 | 10,590 | 8,810  | 7,280  |
|                    | C*DS005L4A** | 2YA3F17KE       | 31,280                   | 27,080 | 23,320 | 19,900 | 16,870 | 14,230 | 11,950 | 9,900  | 8,140  |
|                    | C*DS006L4A** | 3YA3F21KE       | 39,390                   | 34,020 | 28,980 | 24,640 | 20,750 | 17,400 | 14,490 | 11,970 | 9,820  |
|                    | C*DS008L4A** | 3YB3F24KE       | 46,120                   | 39,750 | 34,040 | 28,920 | 24,360 | 20,450 | 17,070 | 14,150 | 11,670 |
|                    | C*DS009L4A** | 3YF3F29K0       | 54,470                   | 47,200 | 40,440 | 34,420 | 28,990 | 24,450 | 20,430 | 16,920 | 13,940 |
|                    | C*DS010L4A** | 3YS3F33KE       | 60,160                   | 52,180 | 44,900 | 38,280 | 32,320 | 27,240 | 22,730 | 18,830 | 15,510 |
|                    | C*DS012L4A** | 4YBNF40KE       | 72,270                   | 62,920 | 54,050 | 46,220 | 39,200 | 33,110 | 27,700 | 22,950 | 18,890 |
|                    | C*DS015L4A** | 4YHNF46KE       | 81,970                   | 71,370 | 62,030 | 52,810 | 45,020 | 38,090 | 31,920 | 26,550 | 21,900 |
|                    | C*DS022L4A** | 4YJDF59KE       | 99,910                   | 87,520 | 75,750 | 64,770 | 55,100 | 46,750 | 39,290 | 32,750 | 26,990 |
| 95°                | C*DS003L4A** | 2YF3F13KE       | 24,050                   | 20,760 | 17,800 | 15,140 | 12,830 | 10,780 | 9,000  | 7,460  | 6,140  |
|                    | C*DS004L4A** | 2YL3F15KE       | 26,650                   | 23,030 | 19,730 | 16,840 | 14,230 | 11,970 | 10,000 | 8,320  | 6,860  |
|                    | C*DS005L4A** | 2YA3F17KE       | 29,880                   | 25,810 | 22,150 | 18,920 | 16,050 | 13,500 | 11,260 | 9,340  | 7,670  |
|                    | C*DS006L4A** | 3YA3F21KE       | 37,580                   | 32,330 | 27,490 | 23,340 | 19,700 | 16,440 | 13,680 | 11,310 | 9,270  |
|                    | C*DS008L4A** | 3YB3F24KE       | 43,960                   | 37,890 | 32,390 | 27,390 | 23,080 | 19,340 | 16,120 | 13,350 | 11,010 |
|                    | C*DS009L4A** | 3YF3F29K0       | 51,770                   | 44,910 | 38,550 | 32,760 | 27,550 | 23,110 | 19,270 | 15,990 | 13,170 |
|                    | C*DS010L4A** | 3YS3F33KE       | 57,550                   | 49,730 | 42,620 | 36,340 | 30,680 | 25,750 | 21,460 | 17,760 | 14,620 |
|                    | C*DS012L4A** | 4YBNF40KE       | 68,070                   | 59,910 | 51,470 | 44,030 | 37,350 | 31,340 | 26,090 | 21,630 | 17,810 |
|                    | C*DS015L4A** | 4YHNF46KE       | 78,180                   | 68,090 | 58,780 | 50,370 | 42,700 | 36,000 | 30,060 | 24,990 | 20,620 |
|                    | C*DS022L4A** | 4YJDF59KE       | 95,060                   | 83,760 | 71,820 | 61,500 | 52,310 | 44,140 | 36,990 | 30,820 | 25,530 |
| 100°               | C*DS003L4A** | 2YF3F13KE       | 22,880                   | 19,790 | 16,910 | 14,380 | 12,130 | 10,170 | 8,480  | 7,020  | 5,790  |
|                    | C*DS004L4A** | 2YL3F15KE       | 25,460                   | 21,970 | 18,770 | 15,980 | 13,500 | 11,320 | 9,450  | 7,830  | 6,460  |
|                    | C*DS005L4A** | 2YA3F17KE       | 28,500                   | 24,570 | 21,080 | 17,940 | 15,190 | 12,760 | 10,660 | 8,810  | 7,230  |
|                    | C*DS006L4A** | 3YA3F21KE       | 35,760                   | 30,760 | 26,140 | 22,150 | 18,560 | 15,530 | 12,890 | 10,640 | 8,670  |
|                    | C*DS008L4A** | 3YB3F24KE       | 41,930                   | 36,090 | 30,630 | 25,970 | 21,900 | 18,280 | 15,200 | 12,570 | 10,360 |
|                    | C*DS009L4A** | 3YF3F29K0       | 49,360                   | 42,670 | 36,440 | 31,000 | 26,140 | 21,840 | 18,170 | 15,040 | 12,390 |
|                    | C*DS010L4A** | 3YS3F33KE       | 54,980                   | 47,350 | 40,550 | 34,470 | 29,030 | 24,290 | 20,210 | 16,750 | 13,770 |
|                    | C*DS012L4A** | 4YBNF40KE       | 64,990                   | 56,950 | 48,910 | 41,670 | 35,280 | 29,570 | 24,680 | 20,330 | 16,870 |
|                    | C*DS015L4A** | 4YHNF46KE       | 74,090                   | 64,770 | 55,720 | 47,450 | 40,350 | 34,010 | 28,320 | 23,520 | 19,370 |
|                    | C*DS022L4A** | 4YJDF59KE       | 90,220                   | 79,110 | 68,090 | 58,260 | 49,470 | 41,790 | 34,920 | 29,100 | 23,930 |
| 110°               | C*DS003L4A** | 2YF3F13KE       | 20,690                   | 17,790 | 15,200 | 12,890 | 10,790 | 9,030  | 7,500  | 6,190  | 5,080  |
|                    | C*DS004L4A** | 2YL3F15KE       | 23,000                   | 19,740 | 16,840 | 14,290 | 11,970 | 10,020 | 8,330  | 6,890  | 5,680  |
|                    | C*DS005L4A** | 2YA3F17KE       | 25,630                   | 22,040 | 18,820 | 16,000 | 13,480 | 11,300 | 9,410  | 7,780  | 6,400  |
|                    | C*DS006L4A** | 3YA3F21KE       | 32,100                   | 27,460 | 23,320 | 19,500 | 16,450 | 13,720 | 11,370 | 9,400  | 7,700  |
|                    | C*DS008L4A** | 3YB3F24KE       | 37,790                   | 32,390 | 27,470 | 23,160 | 19,350 | 16,140 | 13,380 | 11,040 | 9,110  |
|                    | C*DS009L4A** | 3YF3F29K0       | 44,490                   | 38,430 | 32,730 | 27,700 | 23,100 | 19,270 | 16,010 | 13,200 | 10,900 |
|                    | C*DS010L4A** | 3YS3F33KE       | 48,920                   | 42,540 | 36,250 | 30,610 | 25,710 | 21,430 | 17,780 | 14,690 | 12,150 |
|                    | C*DS012L4A** | 4YBNF40KE       | 59,040                   | 51,010 | 43,670 | 37,000 | 31,180 | 26,030 | 21,630 | 17,880 | 14,790 |
|                    | C*DS015L4A** | 4YHNF46KE       | 66,840                   | 57,970 | 49,540 | 42,380 | 35,640 | 29,990 | 24,970 | 20,630 | 16,990 |
|                    | C*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°                | C*DS003L4A** | 2YF3F13KE       | 26,110                   | 22,450 | 19,210 | 16,310 | 13,750 | 11,510 | 9,580  | 7,940  | 6,560  |
|                    | C*DS004L4A** | 2YL3F15KE       | 28,930                   | 24,940 | 21,280 | 18,090 | 15,240 | 12,780 | 10,630 | 8,840  | 7,290  |
|                    | C*DS005L4A** | 2YA3F17KE       | 32,480                   | 28,020 | 24,000 | 20,420 | 17,270 | 14,450 | 12,020 | 9,950  | 8,130  |
|                    | C*DS006L4A** | 3YA3F21KE       | 40,270                   | 34,860 | 29,500 | 24,960 | 20,980 | 17,530 | 14,470 | 11,870 | 9,790  |
|                    | C*DS008L4A** | 3YB3F24KE       | 47,570                   | 40,910 | 34,890 | 29,390 | 24,770 | 20,700 | 17,170 | 14,220 | 11,730 |
|                    | C*DS009L4A** | 3YF3F29K0       | 56,420                   | 48,550 | 41,510 | 35,180 | 29,640 | 24,780 | 20,570 | 17,000 | 13,990 |
|                    | C*DS010L4A** | 3YS3F33KE       | 62,410                   | 53,850 | 46,130 | 39,190 | 33,020 | 27,610 | 22,900 | 18,930 | 15,580 |
|                    | C*DS012L4A** | 4YBNF40KE       | 75,170                   | 64,080 | 55,910 | 47,620 | 40,160 | 33,570 | 27,870 | 23,060 | 19,040 |
|                    | C*DS015L4A** | 4YHNF46KE       | 84,820                   | 74,310 | 62,860 | 54,810 | 45,820 | 38,810 | 32,280 | 26,710 | 22,070 |
|                    | C*DS022L4A** | 4YJDF59KE       | 104,140                  | 91,200 | 78,700 | 66,880 | 56,860 | 47,940 | 39,950 | 33,040 | 27,300 |
| 95°                | C*DS003L4A** | 2YF3F13KE       | 24,870                   | 21,420 | 18,300 | 15,520 | 13,040 | 10,900 | 9,050  | 7,500  | 6,190  |
|                    | C*DS004L4A** | 2YL3F15KE       | 27,670                   | 23,750 | 20,270 | 17,220 | 14,480 | 12,110 | 10,080 | 8,350  | 6,900  |
|                    | C*DS005L4A** | 2YA3F17KE       | 31,100                   | 26,740 | 22,910 | 19,400 | 16,380 | 13,700 | 11,400 | 9,410  | 7,730  |
|                    | C*DS006L4A** | 3YA3F21KE       | 38,580                   | 33,070 | 28,060 | 23,690 | 19,830 | 16,530 | 13,690 | 11,240 | 9,300  |
|                    | C*DS008L4A** | 3YB3F24KE       | 45,230                   | 38,860 | 33,170 | 27,980 | 23,540 | 19,590 | 16,240 | 13,440 | 11,070 |
|                    | C*DS009L4A** | 3YF3F29K0       | 53,730                   | 46,120 | 39,400 | 33,410 | 28,100 | 23,430 | 19,430 | 16,060 | 13,230 |
|                    | C*DS010L4A** | 3YS3F33KE       | 58,990                   | 51,350 | 43,850 | 37,150 | 31,290 | 26,120 | 21,660 | 17,880 | 14,730 |
|                    | C*DS012L4A** | 4YBNF40KE       | 71,700                   | 62,190 | 53,170 | 45,190 | 38,060 | 31,730 | 26,320 | 21,760 | 17,970 |
|                    | C*DS015L4A** | 4YHNF46KE       | 81,470                   | 70,960 | 60,980 | 51,980 | 43,830 | 36,700 | 30,420 | 25,160 | 20,700 |
|                    | C*DS022L4A** | 4YJDF59KE       | 99,210                   | 86,780 | 74,790 | 63,440 | 53,660 | 45,300 | 37,700 | 31,120 | 25,710 |
| 100°               | C*DS003L4A** | 2YF3F13KE       | 23,740                   | 20,460 | 17,410 | 14,760 | 12,360 | 10,310 | 8,550  | 7,070  | 5,800  |
|                    | C*DS004L4A** | 2YL3F15KE       | 26,380                   | 22,620 | 19,290 | 16,330 | 13,700 | 11,440 | 9,510  | 7,870  | 6,510  |
|                    | C*DS005L4A** | 2YA3F17KE       | 29,490                   | 25,370 | 21,690 | 18,380 | 15,500 | 12,940 | 10,760 | 8,890  | 7,310  |
|                    | C*DS006L4A** | 3YA3F21KE       | 36,680                   | 31,390 | 26,610 | 22,440 | 18,730 | 15,610 | 12,950 | 10,620 | 8,800  |
|                    | C*DS008L4A** | 3YB3F24KE       | 43,360                   | 37,130 | 31,470 | 26,550 | 22,200 | 18,500 | 15,290 | 12,660 | 10,430 |
|                    | C*DS009L4A** | 3YF3F29K0       | 51,290                   | 44,080 | 37,470 | 31,730 | 26,550 | 22,100 | 18,320 | 15,150 | 12,410 |
|                    | C*DS010L4A** | 3YS3F33KE       | 56,690                   | 48,690 | 41,680 | 35,260 | 29,500 | 24,630 | 20,390 | 16,810 | 13,800 |
|                    | C*DS012L4A** | 4YBNF40KE       | 68,060                   | 58,870 | 50,430 | 42,850 | 35,810 | 29,900 | 24,770 | 20,440 | 16,950 |
|                    | C*DS015L4A** | 4YHNF46KE       | 77,100                   | 66,560 | 57,820 | 49,550 | 41,290 | 34,660 | 28,710 | 23,610 | 19,410 |
|                    | C*DS022L4A** | 4YJDF59KE       | 94,640                   | 82,240 | 70,910 | 60,100 | 50,680 | 42,610 | 35,430 | 29,210 | 24,160 |
| 110°               | C*DS003L4A** | 2YF3F13KE       | 21,510                   | 18,500 | 15,670 | 13,220 | 11,030 | 9,170  | 7,560  | 6,230  | 5,120  |
|                    | C*DS004L4A** | 2YL3F15KE       | 23,870                   | 20,450 | 17,350 | 14,630 | 12,210 | 10,150 | 8,410  | 6,950  | 5,710  |
|                    | C*DS005L4A** | 2YA3F17KE       | 26,480                   | 22,810 | 19,400 | 16,400 | 13,750 | 11,490 | 9,530  | 7,880  | 6,510  |
|                    | C*DS006L4A** | 3YA3F21KE       | 32,730                   | 28,050 | 23,680 | 19,920 | 16,630 | 13,830 | 11,480 | 9,490  | 7,940  |
|                    | C*DS008L4A** | 3YB3F24KE       | 39,050                   | 33,450 | 28,160 | 23,640 | 19,690 | 16,340 | 13,460 | 11,040 | 9,180  |
|                    | C*DS009L4A** | 3YF3F29K0       | 46,130                   | 39,580 | 33,470 | 28,180 | 23,480 | 19,500 | 16,110 | 13,200 | 10,970 |
|                    | C*DS010L4A** | 3YS3F33KE       | 50,930                   | 43,820 | 37,170 | 31,330 | 26,080 | 21,700 | 17,930 | 14,780 | 12,230 |
|                    | C*DS012L4A** | 4YBNF40KE       | 61,120                   | 52,800 | 44,950 | 37,940 | 31,610 | 26,310 | 21,730 | 17,950 | 14,910 |
|                    | C*DS015L4A** | 4YHNF46KE       | 69,430                   | 60,100 | 51,530 | 43,610 | 36,400 | 30,400 | 25,080 | 20,530 | 16,900 |
|                    | C*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°                | C*OS008L4A** | YF19KAE         | 40,480                   | 36,600 | 32,630 | 29,200 | 26,490 | 24,280 | 20,570 | 18,070 | 15,810 |
|                    | C*OS010L4A** | YF26KAE         | 53,200                   | 47,310 | 41,840 | 36,810 | 32,190 | 27,960 | 23,810 | 19,660 | 18,020 |
|                    | C*OS013L4A** | YF32KAE         | 63,550                   | 56,610 | 50,140 | 44,170 | 38,620 | 33,730 | 29,240 | 25,320 | 21,830 |
|                    | C*OS015L4A** | YF38KAE         | 75,620                   | 67,590 | 60,080 | 53,060 | 46,420 | 40,610 | 35,260 | 30,510 | 26,350 |
| 95°                | C*OS008L4A** | YF19KAE         | 38,860                   | 35,070 | 31,510 | 28,210 | 25,190 | 22,330 | 19,760 | 17,320 | 15,100 |
|                    | C*OS010L4A** | YF26KAE         | 51,360                   | 45,980 | 40,470 | 35,580 | 31,100 | 27,030 | 23,630 | 19,550 | 17,400 |
|                    | C*OS013L4A** | YF32KAE         | 61,410                   | 54,750 | 48,460 | 42,770 | 37,420 | 32,600 | 28,270 | 24,380 | 21,110 |
|                    | C*OS015L4A** | YF38KAE         | 72,950                   | 65,280 | 58,030 | 51,210 | 44,950 | 39,220 | 34,020 | 29,450 | 25,450 |
| 100°               | C*OS008L4A** | YF19KAE         | 37,240                   | 33,610 | 30,200 | 27,060 | 24,120 | 21,390 | 18,920 | 16,580 | 14,450 |
|                    | C*OS010L4A** | YF26KAE         | 49,450                   | 44,000 | 38,950 | 34,210 | 30,030 | 26,060 | 22,570 | 18,790 | 16,800 |
|                    | C*OS013L4A** | YF32KAE         | 59,170                   | 52,720 | 46,770 | 41,220 | 36,120 | 31,410 | 27,290 | 23,580 | 20,360 |
|                    | C*OS015L4A** | YF38KAE         | 70,430                   | 62,890 | 55,890 | 49,390 | 43,340 | 37,780 | 32,810 | 28,390 | 24,570 |
| 110°               | C*OS008L4A** | YF19KAE         | 33,990                   | 30,670 | 27,590 | 24,690 | 21,980 | 19,500 | 17,230 | 15,070 | 13,120 |
|                    | C*OS010L4A** | YF26KAE         | 45,880                   | 40,860 | 36,130 | 31,800 | 27,770 | 24,160 | 20,930 | 18,060 | 15,560 |
|                    | C*OS013L4A** | YF32KAE         | 55,000                   | 48,850 | 43,400 | 38,250 | 33,440 | 29,120 | 25,270 | 21,870 | 18,860 |
|                    | C*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°                | C*OS008L4A** | YF19KAE         | 31,150                   | 27,880 | 24,890 | 22,130 | 19,580 | 17,270 | 15,160 | 13,210 | 11,440 |
|                    | C*OS010L4A** | YF26KAE         | 44,690                   | 39,570 | 34,830 | 30,490 | 26,510 | 22,900 | 19,730 | 16,930 | 14,520 |
|                    | C*OS013L4A** | YF32KAE         | 53,560                   | 47,480 | 41,940 | 36,760 | 31,980 | 27,690 | 23,830 | 20,500 | 17,620 |
|                    | C*OS015L4A** | YF38KAE         | 64,060                   | 56,980 | 50,290 | 44,080 | 38,510 | 33,330 | 28,760 | 24,700 | 21,250 |
| 95°                | C*OS008L4A** | YF19KAE         | 29,830                   | 26,750 | 23,820 | 21,170 | 18,730 | 16,500 | 14,510 | 12,640 | 10,940 |
|                    | C*OS010L4A** | YF26KAE         | 42,990                   | 38,090 | 33,560 | 29,390 | 25,530 | 22,050 | 19,000 | 16,300 | 13,990 |
|                    | C*OS013L4A** | YF32KAE         | 51,730                   | 45,840 | 40,440 | 35,400 | 30,840 | 26,630 | 22,980 | 19,740 | 16,940 |
|                    | C*OS015L4A** | YF38KAE         | 61,690                   | 54,810 | 48,460 | 42,510 | 37,100 | 32,130 | 27,730 | 23,800 | 20,490 |
| 100°               | C*OS008L4A** | YF19KAE         | 28,500                   | 25,500 | 22,760 | 20,220 | 17,850 | 15,770 | 13,830 | 12,060 | 10,430 |
|                    | C*OS010L4A** | YF26KAE         | 41,490                   | 36,750 | 32,340 | 28,330 | 24,560 | 21,200 | 18,260 | 15,680 | 13,470 |
|                    | C*OS013L4A** | YF32KAE         | 49,810                   | 44,220 | 38,910 | 34,070 | 29,540 | 25,600 | 22,060 | 18,970 | 16,300 |
|                    | C*OS015L4A** | YF38KAE         | 59,450                   | 52,880 | 46,630 | 40,950 | 35,660 | 30,880 | 26,640 | 22,910 | 19,680 |
| 110°               | C*OS008L4A** | YF19KAE         | 25,880                   | 23,150 | 20,650 | 18,340 | 16,160 | 14,250 | 12,500 | 10,890 | 9,400  |
|                    | C*OS010L4A** | YF26KAE         | 38,310                   | 33,900 | 29,800 | 26,040 | 22,640 | 19,530 | 16,800 | 14,450 | 12,400 |
|                    | C*OS013L4A** | YF32KAE         | 46,010                   | 40,720 | 35,900 | 31,410 | 27,220 | 23,590 | 20,320 | 17,470 | 15,010 |
|                    | C*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.<br>(°F) | Model No.    | Comp.<br>Model No. | Suction Temperature (°F) |        |        |        |        |        |        |        |        |
|-----------------------|--------------|--------------------|--------------------------|--------|--------|--------|--------|--------|--------|--------|--------|
|                       |              |                    | 0°F                      | -5°F   | -10°F  | -15°F  | -20°F  | -25°F  | -30°F  | -35°F  | -40°F  |
| 90°                   | C*OS008L4A** | YF19KAE            | 33,950                   | 30,380 | 27,170 | 24,110 | 21,270 | 18,800 | 16,500 | 14,400 | 12,460 |
|                       | C*OS010L4A** | YF26KAE            | 46,920                   | 41,500 | 36,510 | 31,980 | 27,780 | 24,050 | 20,720 | 17,870 | 15,310 |
|                       | C*OS013L4A** | YF32KAE            | 56,640                   | 50,130 | 44,160 | 38,580 | 33,600 | 29,090 | 25,100 | 21,590 | 18,540 |
|                       | C*OS015L4A** | YF38KAE            | 67,720                   | 60,160 | 52,950 | 46,480 | 40,480 | 35,070 | 30,300 | 26,060 | 22,420 |
| 95°                   | C*OS008L4A** | YF19KAE            | 32,500                   | 29,130 | 25,960 | 23,120 | 20,400 | 17,980 | 15,780 | 13,760 | 11,890 |
|                       | C*OS010L4A** | YF26KAE            | 45,410                   | 40,090 | 35,260 | 30,770 | 26,700 | 23,160 | 19,990 | 17,100 | 14,760 |
|                       | C*OS013L4A** | YF32KAE            | 54,810                   | 48,320 | 42,630 | 37,150 | 32,270 | 28,010 | 24,160 | 20,870 | 17,800 |
|                       | C*OS015L4A** | YF38KAE            | 65,390                   | 57,920 | 51,090 | 44,790 | 38,990 | 33,760 | 29,170 | 25,110 | 21,600 |
| 100°                  | C*OS008L4A** | YF19KAE            | 31,080                   | 27,850 | 24,780 | 22,040 | 19,480 | 17,170 | 15,060 | 13,110 | 11,340 |
|                       | C*OS010L4A** | YF26KAE            | 43,800                   | 38,630 | 33,920 | 29,640 | 25,760 | 22,280 | 19,240 | 16,480 | 14,200 |
|                       | C*OS013L4A** | YF32KAE            | 52,640                   | 46,580 | 41,020 | 35,770 | 31,040 | 26,950 | 23,280 | 19,950 | 17,180 |
|                       | C*OS015L4A** | YF38KAE            | 62,990                   | 55,760 | 49,130 | 43,020 | 37,550 | 32,500 | 28,080 | 24,170 | 20,800 |
| 110°                  | C*OS008L4A** | YF19KAE            | 28,170                   | 25,230 | 22,470 | 19,950 | 17,610 | 15,510 | 13,580 | 11,830 | 10,220 |
|                       | C*OS010L4A** | YF26KAE            | 40,470                   | 35,690 | 31,280 | 27,290 | 23,750 | 20,540 | 17,700 | 15,190 | 13,100 |
|                       | C*OS013L4A** | YF32KAE            | 48,510                   | 42,900 | 37,760 | 32,970 | 28,700 | 24,860 | 21,440 | 18,480 | 15,910 |
|                       | C*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°                | C*BS003L4A** | 4FES-3          | 22,400                   | 19,470 | 16,790 | 14,360 | 12,170 | 10,220 | 8,440  | 6,880  | 5,500  |
|                    | C*BS004L4A** | 4EES-4          | 27,510                   | 23,980 | 20,690 | 17,760 | 15,010 | 12,630 | 10,470 | 8,520  | 6,790  |
|                    | C*BS005L4A** | 4DES-5          | 30,810                   | 26,880 | 23,250 | 19,990 | 16,900 | 14,210 | 11,780 | 9,580  | 7,620  |
|                    | C*BS006L4A** | 4CES-6          | 38,320                   | 33,670 | 29,360 | 25,340 | 21,750 | 18,440 | 15,440 | 12,770 | 10,310 |
|                    | C*BS008L4A** | 4TES-9          | 48,900                   | 42,360 | 36,400 | 30,820 | 25,730 | 21,360 | 17,410 | 13,900 | 10,790 |
|                    | C*BS009L4A** | 4PES-12         | 54,470                   | 47,080 | 40,280 | 33,920 | 28,140 | 23,190 | 18,720 | 14,770 | 11,230 |
|                    | C*BS010L4A** | 4NES-14         | 64,560                   | 56,080 | 48,260 | 40,980 | 34,700 | 28,790 | 23,540 | 18,890 | 14,720 |
|                    | C*BS012L4A** | 4JE-15          | 74,520                   | 64,850 | 56,540 | 48,460 | 41,190 | 34,430 | 28,340 | 22,830 | 17,750 |
|                    | C*BS015L4A** | 4HE-18          | 83,920                   | 74,900 | 64,930 | 56,430 | 48,160 | 40,750 | 33,850 | 27,270 | 21,670 |
|                    | C*BS022L4A** | 4GE-23          | 98,570                   | 87,570 | 76,410 | 65,730 | 56,420 | 47,810 | 40,040 | 32,580 | 25,950 |
| 95°                | C*BS003L4A** | 4FES-3          | 21,150                   | 18,390 | 15,820 | 13,540 | 11,430 | 9,510  | 7,840  | 6,360  | 5,020  |
|                    | C*BS004L4A** | 4EES-4          | 26,070                   | 22,640 | 19,500 | 16,670 | 14,090 | 11,770 | 9,680  | 7,840  | 6,190  |
|                    | C*BS005L4A** | 4DES-5          | 29,230                   | 25,420 | 21,910 | 18,730 | 15,850 | 13,250 | 10,880 | 8,780  | 6,930  |
|                    | C*BS006L4A** | 4CES-6          | 36,420                   | 31,980 | 27,730 | 23,900 | 20,370 | 17,240 | 14,400 | 11,820 | 9,480  |
|                    | C*BS008L4A** | 4TES-9          | 46,300                   | 39,960 | 34,130 | 28,830 | 23,980 | 19,810 | 16,040 | 12,730 | 9,800  |
|                    | C*BS009L4A** | 4PES-12         | 51,350                   | 44,200 | 37,710 | 31,600 | 26,080 | 21,390 | 17,140 | 13,410 | 10,110 |
|                    | C*BS010L4A** | 4NES-14         | 61,010                   | 52,830 | 45,340 | 38,510 | 32,270 | 26,670 | 21,700 | 17,240 | 13,300 |
|                    | C*BS012L4A** | 4JE-15          | 70,560                   | 61,560 | 53,170 | 45,580 | 38,580 | 32,080 | 26,210 | 20,920 | 16,050 |
|                    | C*BS015L4A** | 4HE-18          | 80,830                   | 70,950 | 61,600 | 52,750 | 45,250 | 38,040 | 31,350 | 25,390 | 19,880 |
|                    | C*BS022L4A** | 4GE-23          | 92,680                   | 83,170 | 72,140 | 61,940 | 53,030 | 44,820 | 37,200 | 30,310 | 23,850 |
| 100°               | C*BS003L4A** | 4FES-3          | 20,100                   | 17,390 | 14,920 | 12,660 | 10,610 | 8,850  | 7,240  | 5,820  | 4,570  |
|                    | C*BS004L4A** | 4EES-4          | 24,690                   | 21,350 | 18,370 | 15,640 | 13,160 | 10,920 | 8,960  | 7,180  | 5,600  |
|                    | C*BS005L4A** | 4DES-5          | 27,630                   | 23,980 | 20,630 | 17,540 | 14,770 | 12,270 | 10,050 | 8,020  | 6,290  |
|                    | C*BS006L4A** | 4CES-6          | 34,520                   | 30,120 | 26,200 | 22,480 | 19,080 | 16,060 | 13,360 | 10,900 | 8,670  |
|                    | C*BS008L4A** | 4TES-9          | 43,570                   | 37,590 | 31,800 | 26,790 | 22,360 | 18,280 | 14,750 | 11,590 | 8,840  |
|                    | C*BS009L4A** | 4PES-12         | 48,270                   | 41,230 | 35,100 | 29,240 | 24,240 | 19,550 | 15,590 | 12,050 | 8,980  |
|                    | C*BS010L4A** | 4NES-14         | 57,510                   | 49,770 | 42,430 | 35,950 | 29,950 | 24,630 | 19,910 | 15,750 | 12,000 |
|                    | C*BS012L4A** | 4JE-15          | 66,740                   | 57,970 | 49,930 | 42,640 | 35,880 | 29,690 | 24,200 | 19,030 | 14,490 |
|                    | C*BS015L4A** | 4HE-18          | 76,360                   | 66,790 | 57,800 | 49,590 | 42,150 | 35,450 | 29,200 | 23,270 | 18,220 |
|                    | C*BS022L4A** | 4GE-23          | 89,520                   | 78,500 | 68,000 | 58,270 | 49,630 | 41,870 | 34,600 | 27,980 | 22,150 |
| 110°               | C*BS003L4A** | 4FES-3          | 17,830                   | 15,360 | 13,060 | 10,990 | 9,100  | 7,510  | 6,060  | 4,780  | -      |
|                    | C*BS004L4A** | 4EES-4          | 21,870                   | 18,830 | 16,090 | 13,580 | 11,270 | 9,260  | 7,460  | 5,880  | -      |
|                    | C*BS005L4A** | 4DES-5          | 24,510                   | 21,120 | 18,030 | 15,210 | 12,650 | 10,380 | 8,350  | 6,570  | -      |
|                    | C*BS006L4A** | 4CES-6          | 30,770                   | 26,780 | 23,020 | 19,640 | 16,560 | 13,780 | 11,310 | 9,090  | -      |
|                    | C*BS008L4A** | 4TES-9          | 38,530                   | 32,880 | 27,710 | 23,050 | 18,870 | 15,300 | 12,080 | 9,320  | -      |
|                    | C*BS009L4A** | 4PES-12         | 42,200                   | 35,840 | 30,080 | 24,790 | 20,070 | 16,080 | 12,500 | 9,400  | -      |
|                    | C*BS010L4A** | 4NES-14         | 50,490                   | 43,290 | 36,680 | 30,500 | 25,220 | 20,550 | 16,300 | 12,600 | -      |
|                    | C*BS012L4A** | 4JE-15          | 59,070                   | 51,060 | 43,680 | 36,810 | 30,720 | 25,030 | 19,930 | 15,450 | -      |
|                    | C*BS015L4A** | 4HE-18          | 67,190                   | 59,030 | 50,670 | 43,310 | 36,230 | 30,140 | 24,530 | 19,220 | -      |
|                    | C*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°                | C*BS003L4A** | 4FES-3          | 22,980                   | 19,940 | 17,160 | 14,670 | 12,360 | 10,310 | 8,500  | 6,900  | 5,470  |
|                    | C*BS004L4A** | 4EES-4          | 28,400                   | 24,650 | 21,200 | 18,120 | 15,320 | 12,780 | 10,510 | 8,520  | 6,730  |
|                    | C*BS005L4A** | 4DES-5          | 31,910                   | 27,750 | 23,890 | 20,390 | 17,250 | 14,380 | 11,810 | 9,560  | 7,530  |
|                    | C*BS006L4A** | 4CES-6          | 39,890                   | 34,920 | 30,320 | 26,180 | 22,240 | 18,830 | 15,710 | 12,880 | 10,380 |
|                    | C*BS008L4A** | 4TES-9          | 50,480                   | 43,520 | 37,020 | 31,350 | 26,080 | 21,590 | 17,500 | 13,840 | 10,770 |
|                    | C*BS009L4A** | 4PES-12         | 55,990                   | 48,010 | 40,910 | 34,430 | 28,380 | 23,280 | 18,630 | 14,660 | 11,080 |
|                    | C*BS010L4A** | 4NES-14         | 66,770                   | 57,750 | 49,440 | 41,960 | 35,180 | 29,070 | 23,650 | 18,890 | 14,610 |
|                    | C*BS012L4A** | 4JE-15          | 75,830                   | 67,490 | 58,260 | 49,880 | 42,120 | 35,080 | 28,610 | 22,930 | 17,780 |
|                    | C*BS015L4A** | 4HE-18          | 88,670                   | 77,760 | 67,670 | 58,590 | 49,610 | 41,610 | 34,460 | 27,800 | 22,000 |
|                    | C*BS022L4A** | 4GE-23          | 102,470                  | 90,870 | 79,030 | 68,640 | 58,130 | 49,240 | 40,980 | 33,470 | 26,790 |
| 95°                | C*BS003L4A** | 4FES-3          | 21,840                   | 18,930 | 16,200 | 13,780 | 11,550 | 9,600  | 7,860  | 6,350  | 4,980  |
|                    | C*BS004L4A** | 4EES-4          | 26,900                   | 23,250 | 19,950 | 17,020 | 14,320 | 11,860 | 9,730  | 7,820  | 6,130  |
|                    | C*BS005L4A** | 4DES-5          | 30,310                   | 26,220 | 22,540 | 19,160 | 16,120 | 13,380 | 10,940 | 8,770  | 6,860  |
|                    | C*BS006L4A** | 4CES-6          | 37,870                   | 33,080 | 28,700 | 24,620 | 20,940 | 17,580 | 14,600 | 11,910 | 9,510  |
|                    | C*BS008L4A** | 4TES-9          | 47,650                   | 40,660 | 34,690 | 29,160 | 24,340 | 19,890 | 16,040 | 12,710 | 9,730  |
|                    | C*BS009L4A** | 4PES-12         | 52,770                   | 45,230 | 38,130 | 31,980 | 26,270 | 21,310 | 16,900 | 13,070 | 9,820  |
|                    | C*BS010L4A** | 4NES-14         | 63,070                   | 54,190 | 46,310 | 39,180 | 32,640 | 26,820 | 21,690 | 17,150 | 13,190 |
|                    | C*BS012L4A** | 4JE-15          | 73,260                   | 63,820 | 54,880 | 46,790 | 39,350 | 32,480 | 26,440 | 20,980 | 16,060 |
|                    | C*BS015L4A** | 4HE-18          | 83,970                   | 73,830 | 63,770 | 54,600 | 46,400 | 38,800 | 32,010 | 25,910 | 20,020 |
|                    | C*BS022L4A** | 4GE-23          | 98,010                   | 86,210 | 74,510 | 63,750 | 54,470 | 46,000 | 38,190 | 30,930 | 24,500 |
| 100°               | C*BS003L4A** | 4FES-3          | 20,710                   | 17,850 | 15,210 | 12,880 | 10,770 | 8,890  | 7,240  | 5,800  | 4,510  |
|                    | C*BS004L4A** | 4EES-4          | 25,360                   | 21,960 | 18,780 | 15,940 | 13,250 | 10,990 | 8,930  | 7,130  | 5,530  |
|                    | C*BS005L4A** | 4DES-5          | 28,560                   | 24,720 | 21,120 | 17,930 | 14,950 | 12,350 | 10,030 | 7,980  | 6,180  |
|                    | C*BS006L4A** | 4CES-6          | 35,860                   | 31,250 | 26,970 | 23,120 | 19,550 | 16,370 | 13,520 | 10,940 | 8,670  |
|                    | C*BS008L4A** | 4TES-9          | 44,800                   | 38,310 | 32,500 | 27,140 | 22,370 | 18,300 | 14,610 | 11,450 | 8,610  |
|                    | C*BS009L4A** | 4PES-12         | 49,410                   | 42,020 | 35,450 | 29,420 | 23,970 | 19,390 | 15,250 | 11,670 | 8,540  |
|                    | C*BS010L4A** | 4NES-14         | 58,950                   | 50,240 | 43,240 | 36,350 | 30,040 | 24,570 | 19,680 | 15,400 | 11,690 |
|                    | C*BS012L4A** | 4JE-15          | 69,150                   | 59,830 | 51,360 | 43,530 | 36,360 | 29,910 | 24,120 | 18,890 | 14,280 |
|                    | C*BS015L4A** | 4HE-18          | 79,310                   | 69,210 | 60,100 | 51,090 | 42,920 | 35,940 | 29,290 | 23,390 | 18,070 |
|                    | C*BS022L4A** | 4GE-23          | 92,390                   | 80,710 | 70,080 | 59,690 | 50,810 | 42,760 | 35,360 | 28,460 | 22,410 |
| 110°               | C*BS003L4A** | 4FES-3          | 18,340                   | 15,680 | 13,280 | 11,160 | 9,200  | 7,530  | -      | -      | -      |
|                    | C*BS004L4A** | 4EES-4          | 22,520                   | 19,280 | 16,400 | 13,750 | 11,360 | 9,280  | -      | -      | -      |
|                    | C*BS005L4A** | 4DES-5          | 25,250                   | 21,610 | 18,430 | 15,430 | 12,780 | 10,400 | -      | -      | -      |
|                    | C*BS006L4A** | 4CES-6          | 31,860                   | 27,670 | 23,770 | 20,200 | 16,950 | 14,000 | -      | -      | -      |
|                    | C*BS008L4A** | 4TES-9          | 39,260                   | 33,360 | 27,900 | 23,070 | 18,730 | 15,040 | -      | -      | -      |
|                    | C*BS009L4A** | 4PES-12         | 42,650                   | 36,090 | 30,030 | 24,580 | 19,650 | 15,570 | -      | -      | -      |
|                    | C*BS010L4A** | 4NES-14         | 51,490                   | 43,890 | 36,920 | 30,650 | 24,870 | 20,070 | -      | -      | -      |
|                    | C*BS012L4A** | 4JE-15          | 60,850                   | 52,430 | 44,610 | 37,260 | 30,670 | 24,820 | -      | -      | -      |
|                    | C*BS015L4A** | 4HE-18          | 69,940                   | 60,640 | 51,980 | 43,360 | 36,640 | 30,080 | -      | -      | -      |
|                    | C*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.

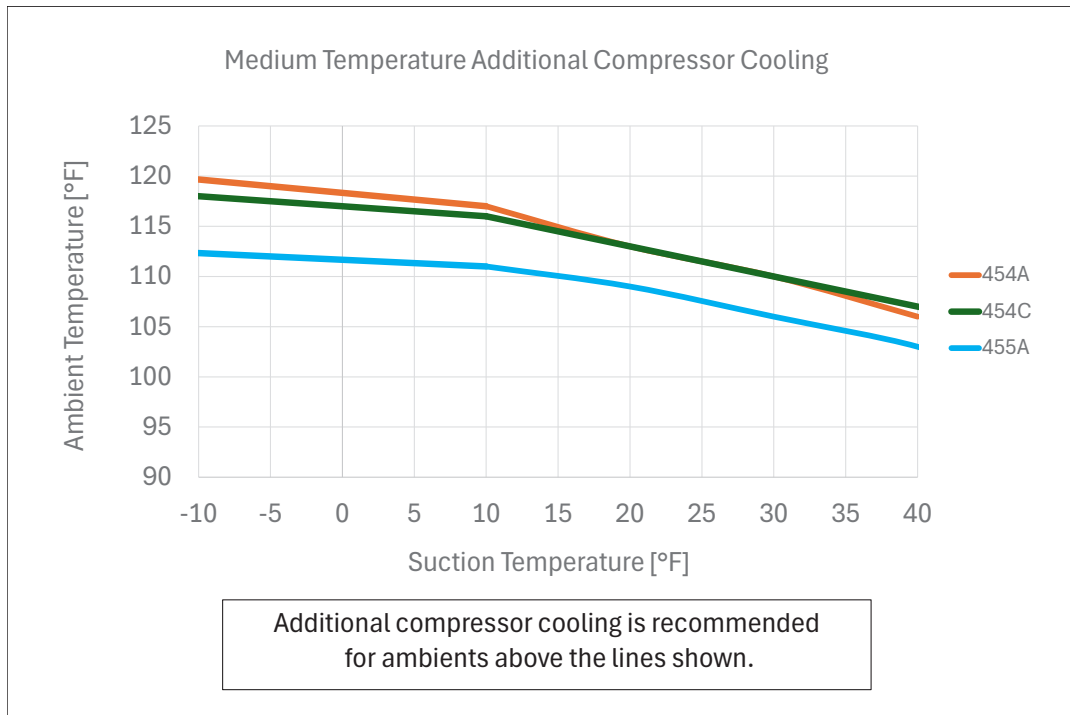
‡ Multiply capacity by .83 when used with 50 Hz power.

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.

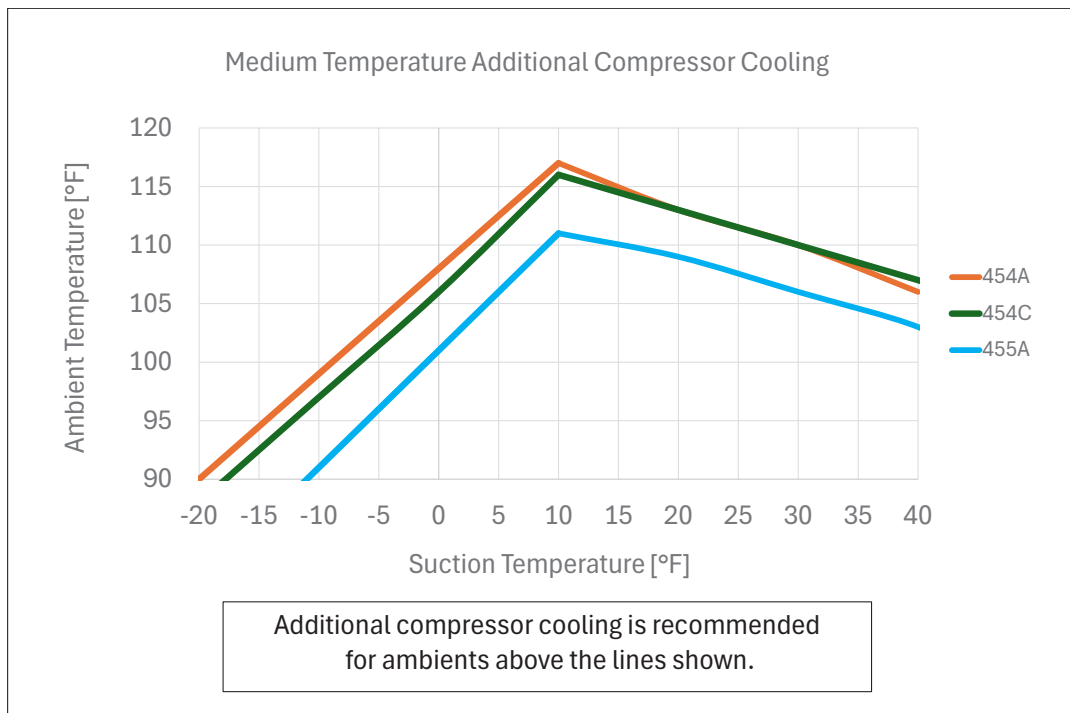
## ADDITIONAL COMPRESSOR COOLING GRAPH

### MEDIUM TEMPERATURE DISCUS



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

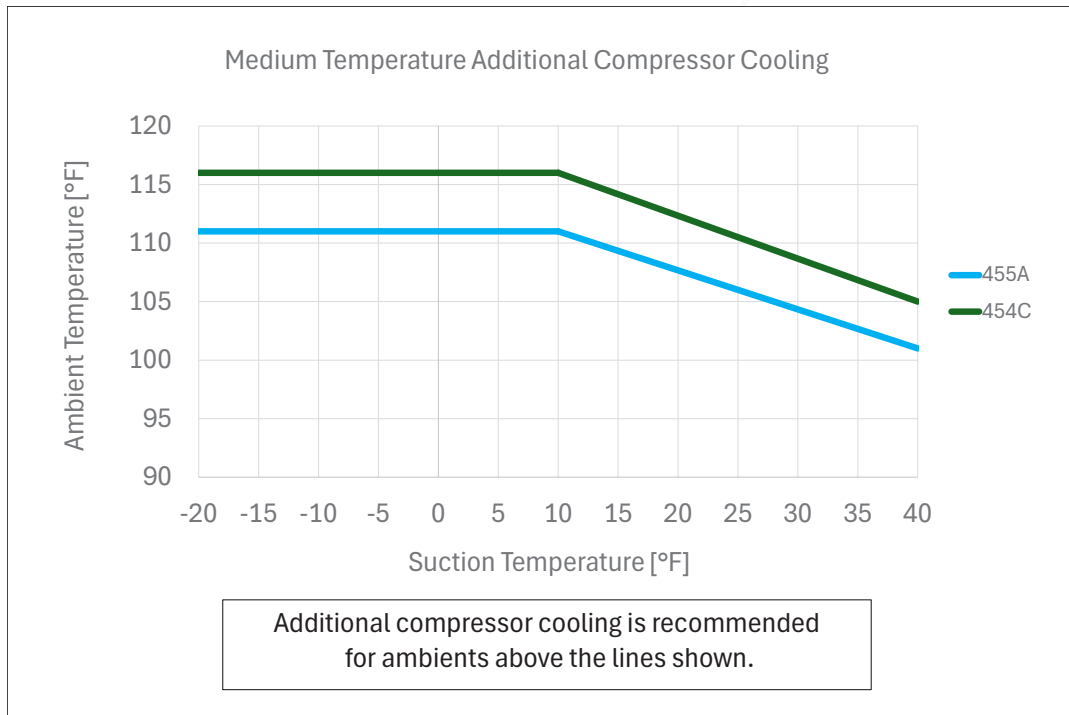
### MEDIUM TEMPERATURE SCROLL



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

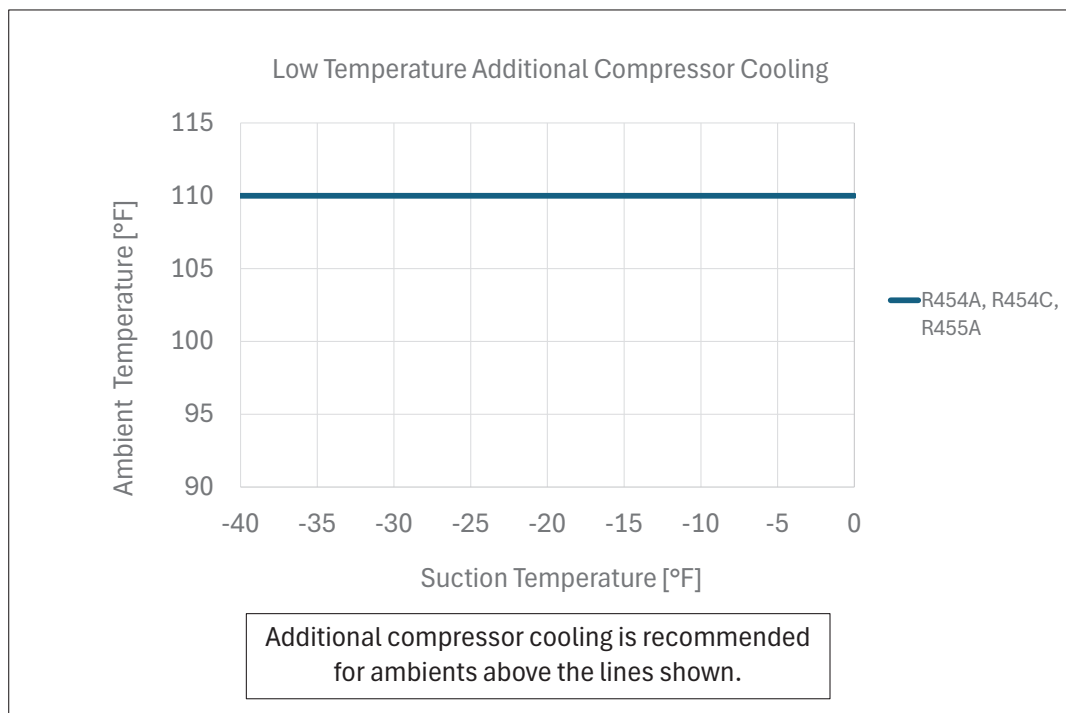
## ADDITIONAL COMPRESSOR COOLING GRAPH

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

<sup>1</sup> Air Defrost values do not include evaporator fan electrical load.

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

<sup>1</sup> Air Defrost values do not include evaporator fan electrical load.<sup>2</sup> 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 <sup>1</sup> or No Defrost Provisions |     | Electric Defrost <sup>2</sup> |     | Electric Defrost Amps | Evap. Fan Amps |
|----------------|----------------------|------|-------|---------------|---------------------------------------------------|-----|-------------------------------|-----|-----------------------|----------------|
|                |                      |      |       |               |                                                   |     |                               |     |                       |                |
| C*OS004E4A**   | YS26KAE              | 18.4 | 114.0 | 3.8           | 27.7                                              | 45  | 44.7                          | 50  | 35                    | 12             |
| C*OS005E4A**   | YS30KAE              | 20.0 | 114.0 | 3.8           | 29.7                                              | 45  | 44.7                          | 60  | 35                    | 12             |
| C*OS006E4A**   | YS33KAE              | 19.2 | 123.0 | 3.8           | 28.7                                              | 45  | 51.0                          | 60  | 40                    | 15             |
| C*OS007E4A**   | YS40KAE              | 21.5 | 156.0 | 7.5           | 35.3                                              | 50  | 61.0                          | 70  | 48                    | 20             |
| C*OS008E4A**   | YB51KAE              | 30.8 | 195.0 | 7.5           | 47.0                                              | 70  | 67.0                          | 90  | 48                    | 20             |
| C*OS009E4A**   | YB56KAE              | 35.3 | 225.0 | 7.5           | 52.6                                              | 80  | 76.0                          | 100 | 60                    | 20             |
| C*OS010E4A**   | YB68KAE              | 38.6 | 239.0 | 7.5           | 56.7                                              | 90  | 76.7                          | 110 | 60                    | 20             |
| C*OS013E4A**   | YB83KAE              | 47.4 | 298.0 | 7.5           | 67.7                                              | 110 | 87.7                          | 125 | 60                    | 20             |
| C*OS015E4A**   | YB100KAE             | 56.5 | 321.0 | 7.5           | 79.1                                              | 125 | 99.1                          | 150 | 60                    | 20             |
| C*OS008L4A**   | YF19KAE              | 23.3 | 223   | 5.2           | 35.3                                              | 60  | 61.0                          | 80  | 48                    | 20             |
| C*OS010L4A**   | YF26KAE              | 33.3 | 239   | 10.4          | 53.0                                              | 80  | 73.0                          | 100 | 50                    | 20             |
| C*OS013L4A**   | YF32KAE              | 37.8 | 59    | 10.4          | 58.7                                              | 90  | 78.7                          | 110 | 60                    | 20             |
| C*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 <sup>1</sup> or No Defrost Provisions |    | Electric Defrost <sup>2</sup> |    | Electric Defrost Amps | Evap. Fan Amps |
|----------------|----------------------|------|-------|---------------|---------------------------------------------------|----|-------------------------------|----|-----------------------|----------------|
|                |                      |      |       |               |                                                   |    |                               |    |                       |                |
| C*OS004E4A**   | YS26KAE              | 8.4  | 58.0  | 1.9           | 13.3                                              | 20 | 19.7                          | 25 | 15                    | 6              |
| C*OS005E4A**   | YS30KAE              | 9.0  | 52.0  | 1.9           | 14.1                                              | 20 | 20.1                          | 25 | 15                    | 6              |
| C*OS006E4A**   | YS33KAE              | 8.7  | 62.0  | 1.9           | 13.7                                              | 20 | 19.7                          | 25 | 15                    | 6              |
| C*OS007E4A**   | YS40KAE              | 8.3  | 75.0  | 3.7           | 15.0                                              | 20 | 21.0                          | 25 | 15                    | 6              |
| C*OS008E4A**   | YB51KAE              | 16.0 | 95.0  | 3.7           | 24.7                                              | 40 | 31.0                          | 45 | 24                    | 6              |
| C*OS009E4A**   | YB56KAE              | 15.4 | 114.0 | 3.7           | 23.9                                              | 35 | 31.0                          | 45 | 24                    | 6              |
| C*OS010E4A**   | YB68KAE              | 18.6 | 125.0 | 3.7           | 27.9                                              | 45 | 38.5                          | 50 | 30                    | 6              |
| C*OS013E4A**   | YB83KAE              | 21.8 | 150.0 | 3.7           | 31.9                                              | 50 | 51.0                          | 60 | 40                    | 10             |
| C*OS015E4A**   | YB100KAE             | 24.4 | 179.0 | 3.7           | 35.2                                              | 50 | 51.0                          | 60 | 40                    | 10             |
| C*OS008L4A**   | YF19KAE              | 10.6 | 99    | 3             | 17.3                                              | 25 | 26.0                          | 35 | 20                    | 6              |
| C*OS010L4A**   | YF26KAE              | 16   | 125   | 6             | 27.0                                              | 40 | 38.5                          | 50 | 30                    | 6              |
| C*OS013L4A**   | YF32KAE              | 17.3 | 125   | 6             | 28.6                                              | 45 | 44.8                          | 50 | 35                    | 9              |
| C*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.

<sup>1</sup> Air Defrost values do not include evaporator fan electrical load.<sup>2</sup> 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<br>Model No | Compressor<br>Model No. | RLA  | LRA   | Cond.<br>Fan<br>FLA | Air Defrost <sup>1</sup> or<br>No Defrost Provisions |      | Electric Defrost <sup>2</sup> |      | Electric<br>Defrost<br>Amps | Evap.<br>Fan<br>Amps |
|------------------|-------------------------|------|-------|---------------------|------------------------------------------------------|------|-------------------------------|------|-----------------------------|----------------------|
|                  |                         |      |       |                     | MCA                                                  | MOPD | MCA                           | MOPD |                             |                      |
| C*BS003E4A**     | 2DES-3                  | 15.3 | 97.0  | 3.8                 | 23.8                                                 | 35   | 44.7                          | 50   | 35                          | 12                   |
| C*BS004E4A**     | 2CES-4                  | 18.2 | 115.5 | 3.8                 | 27.5                                                 | 45   | 44.7                          | 50   | 35                          | 12                   |
| C*BS005E4A**     | 4FES-5                  | 24.2 | 163.0 | 3.8                 | 35.0                                                 | 50   | 61.0                          | 70   | 48                          | 20                   |
| C*BS006E4A**     | 4EES-6                  | 28.1 | 163.0 | 7.5                 | 43.6                                                 | 70   | 63.6                          | 90   | 48                          | 20                   |
| C*BS007E4A**     | 4DES-7                  | 31.0 | 215.0 | 7.5                 | 47.2                                                 | 70   | 67.2                          | 90   | 48                          | 20                   |
| C*BS008E4A**     | 4CES-9                  | 34.2 | 215.0 | 7.5                 | 51.2                                                 | 80   | 71.2                          | 100  | 48                          | 20                   |
| C*BS010E4A**     | 4TES-12                 | 42.3 | 252.0 | 7.5                 | 61.3                                                 | 100  | 81.3                          | 110  | 48                          | 20                   |
| C*BS012E4A**     | 4PES-15                 | 48.7 | 294.0 | 7.5                 | 69.3                                                 | 110  | 89.3                          | 125  | 60                          | 20                   |
| C*BS015E4A**     | 4NES-20                 | 57.7 | 352.0 | 7.5                 | 80.6                                                 | 125  | 100.6                         | 150  | 60                          | 20                   |
| C*BS003L4A**     | 4FES-3                  | 18   | 115.5 | 5.2                 | 28.7                                                 | 45   | 44.8                          | 60   | 35                          | 12                   |
| C*BS004L4A**     | 4EES-4                  | 20.1 | 142   | 5.2                 | 31.3                                                 | 50   | 51.0                          | 60   | 40                          | 15                   |
| C*BS005L4A**     | 4DES-5                  | 20.6 | 163   | 5.2                 | 32.0                                                 | 50   | 51.0                          | 60   | 40                          | 15                   |
| C*BS006L4A**     | 4CES-6                  | 25   | 215   | 5.2                 | 37.5                                                 | 60   | 61.0                          | 80   | 48                          | 20                   |
| C*BS008L4A**     | 4TES-9                  | 28.2 | 180   | 10.4                | 46.7                                                 | 70   | 76.0                          | 90   | 60                          | 20                   |
| C*BS009L4A**     | 4PES-12                 | 34.6 | 222   | 10.4                | 54.7                                                 | 90   | 76.0                          | 110  | 60                          | 20                   |
| C*BS010L4A**     | 4NES-14                 | 39.7 | 252   | 10.4                | 61.0                                                 | 100  | 81.0                          | 110  | 60                          | 20                   |
| C*BS012L4A**     | 4JE-15                  | 50   | 352   | 10.4                | 73.9                                                 | 125  | 93.9                          | 125  | 60                          | 20                   |
| C*BS015L4A**     | 4HE-18                  | 54.1 | 352   | 10.4                | 79.0                                                 | 125  | 99.0                          | 150  | 60                          | 20                   |
| C*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.

<sup>1</sup> Air Defrost values do not include evaporator fan electrical load.

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

<sup>1</sup> Air Defrost values do not include evaporator fan electrical load.

<sup>2</sup> 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.) |
| C*DS004M4A** | 2YC3R51KE       | 4  | 1-3/8                | 5/8    | 17.9               | 18.3             | 18.1             | 35.4               | 36.2             | 35.9             |
| C*DS005M4A** | 2YD3R59KE       | 5  | 1-3/8                | 5/8    | 17.9               | 18.3             | 18.1             | 35.4               | 36.2             | 35.9             |
| C*DS006M4A** | 2YL3R73KE       | 6  | 1-5/8                | 5/8    | 38.1               | 38.9             | 38.6             | 39.3               | 40.2             | 39.8             |
| C*DS007M4A** | 2YA3R82K0       | 7  | 1-5/8                | 7/8    | 38.1               | 38.9             | 38.6             | 39.3               | 40.2             | 39.8             |
| C*DS008M4A** | 3YA3R99KE       | 8  | 1-5/8                | 7/8    | 38.1               | 38.9             | 38.6             | 39.3               | 40.2             | 39.8             |
| C*DS010M4A** | 3YB3R11ME       | 10 | 2-1/8                | 7/8    | 38.1               | 38.9             | 38.6             | 39.3               | 40.2             | 39.8             |
| C*DS012M4A** | 3YF3R14ME       | 12 | 2-1/8                | 7/8    | 42.3               | 43.3             | 42.9             | 60.1               | 61.4             | 60.9             |
| C*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.) |
| C*OS004E4A** | YS26KAE         | 4  | 1-1/8                | 5/8    | 17.9               | 18.3             | 18.1             | 35.4               | 36.2             | 35.9             |
| C*OS005E4A** | YS30KAE         | 5  | 1-1/8                | 5/8    | 17.9               | 18.3             | 18.1             | 35.4               | 36.2             | 35.9             |
| C*OS006E4A** | YS33KAE         | 6  | 1-3/8                | 5/8    | 17.9               | 18.3             | 18.1             | 35.4               | 36.2             | 35.9             |
| C*OS007E4A** | YS40KAE         | 7  | 1-3/8                | 5/8    | 38.1               | 38.9             | 38.6             | 39.3               | 40.2             | 39.8             |
| C*OS008E4A** | YB51KAE         | 8  | 1-5/8                | 7/8    | 38.1               | 38.9             | 38.6             | 39.3               | 40.2             | 39.8             |
| C*OS009E4A** | YB56KAE         | 9  | 1-5/8                | 7/8    | 38.1               | 38.9             | 38.6             | 39.3               | 40.2             | 39.8             |
| C*OS010E4A** | YB68KAE         | 10 | 1-5/8                | 7/8    | 38.1               | 38.9             | 38.6             | 39.3               | 40.2             | 39.8             |
| C*OS013E4A** | YB83KAE         | 13 | 2-1/8                | 7/8    | 42.3               | 43.3             | 42.9             | 60.1               | 61.4             | 60.9             |
| C*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.) |
| C*BS003E4A** | 2DES-3          | 3  | 1-1/8                | 5/8    | -                  | 18.3             | 18.1             | -                  | 36.2             | 35.9             |
| C*BS004E4A** | 2CES-4          | 4  | 1-3/8                | 5/8    | -                  | 18.3             | 18.1             | -                  | 36.2             | 35.9             |
| C*BS005E4A** | 4FES-5          | 5  | 1-3/8                | 5/8    | -                  | 18.3             | 18.1             | -                  | 36.2             | 35.9             |
| C*BS006E4A** | 4EES-6          | 6  | 1-5/8                | 5/8    | -                  | 38.9             | 38.6             | -                  | 40.2             | 39.8             |
| C*BS007E4A** | 4DES-7          | 7  | 1-5/8                | 7/8    | -                  | 38.9             | 38.6             | -                  | 40.2             | 39.8             |
| C*BS008E4A** | 4CES-9          | 8  | 1-5/8                | 7/8    | -                  | 38.9             | 38.6             | -                  | 40.2             | 39.8             |
| C*BS010E4A** | 4TES-12         | 10 | 2-1/8                | 7/8    | -                  | 38.9             | 38.6             | -                  | 40.2             | 39.8             |
| C*BS012E4A** | 4PES-15         | 12 | 2-1/8                | 7/8    | -                  | 43.3             | 42.9             | -                  | 61.4             | 60.9             |
| C*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.) |
| C*DS003L4A** | 2YF3F13KE       | 3  | 1-3/8                | 1/2    | 17.9               | 18.3             | 18.1             | 35.4               | 36.2             | 35.9             |
| C*DS004L4A** | 2YL3F15KE       | 4  | 1-3/8                | 1/2    | 17.9               | 18.3             | 18.1             | 35.4               | 36.2             | 35.9             |
| C*DS005L4A** | 2YA3F17KE       | 5  | 1-3/8                | 1/2    | 17.9               | 18.3             | 18.1             | 35.4               | 36.2             | 35.9             |
| C*DS006L4A** | 3YA3F21KE       | 6  | 1-5/8                | 5/8    | 38.1               | 38.9             | 38.6             | 39.3               | 40.2             | 39.8             |
| C*DS008L4A** | 3YB3F24KE       | 8  | 1-5/8                | 5/8    | 38.1               | 38.9             | 38.6             | 39.3               | 40.2             | 39.8             |
| C*DS009L4A** | 3YF3F29KE       | 9  | 2-1/8                | 5/8    | 38.1               | 38.9             | 38.6             | 39.3               | 40.2             | 39.8             |
| C*DS010L4A** | 3YS3F33KE       | 10 | 2-1/8                | 5/8    | 38.1               | 38.9             | 38.6             | 39.3               | 40.2             | 39.8             |
| C*DS012L4A** | 4YBNF40KE       | 12 | 2-1/8                | 5/8    | 38.1               | 38.9             | 38.6             | 39.3               | 40.2             | 39.8             |
| C*DS015L4A** | 4YHNF46KE       | 15 | 2-1/8                | 5/8    | 38.1               | 38.9             | 38.6             | 39.3               | 40.2             | 39.8             |
| C*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.) |
| C*OS008L4A** | YF19KAE         | 8  | 1-5/8                | 1/2    | 17.9               | 18.3             | 18.1             | 35.4               | 36.2             | 35.9             |
| C*OS010L4A** | YF26KAE         | 10 | 1-5/8                | 5/8    | 38.1               | 38.9             | 38.6             | 39.3               | 40.2             | 39.8             |
| C*OS013L4A** | YF32KAE         | 13 | 2-1/8                | 5/8    | 38.1               | 38.9             | 38.6             | 39.3               | 40.2             | 39.8             |
| C*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.) |
| C*BS003L4A** | 4FES-3          | 3  | 1-3/8                | 1/2    | -                  | 18.3             | 18.1             | -                  | 36.2             | 35.9             |
| C*BS004L4A** | 4EES-4          | 4  | 1-3/8                | 1/2    | -                  | 18.3             | 18.1             | -                  | 36.2             | 35.9             |
| C*BS005L4A** | 4DES-5          | 5  | 1-3/8                | 1/2    | -                  | 18.3             | 18.1             | -                  | 36.2             | 35.9             |
| C*BS006L4A** | 4CES-6          | 6  | 1-5/8                | 1/2    | -                  | 18.3             | 18.1             | -                  | 36.2             | 35.9             |
| C*BS008L4A** | 4TES-9          | 8  | 1-5/8                | 5/8    | -                  | 38.9             | 38.6             | -                  | 40.2             | 39.8             |
| C*BS009L4A** | 4PES-12         | 9  | 1-5/8                | 5/8    | -                  | 38.9             | 38.6             | -                  | 40.2             | 39.8             |
| C*BS010L4A** | 4NES-14         | 10 | 2-1/8                | 5/8    | -                  | 38.9             | 38.6             | -                  | 40.2             | 39.8             |
| C*BS012L4A** | 4JE-15          | 12 | 2-1/8                | 5/8    | -                  | 38.9             | 38.6             | -                  | 40.2             | 39.8             |
| C*BS015L4A** | 4HE-18          | 15 | 2-1/8                | 5/8    | -                  | 38.9             | 38.6             | -                  | 40.2             | 39.8             |
| C*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      |                         |
| C*DS004M4A** | 2YC3R51KE       | FD1           | 1        | 49                  | 38-5/16 | 36-3/8 | 825                     |
| C*DS005M4A** | 2YD3R59KE       | FD1           | 1        | 49                  | 38-5/16 | 36-3/8 | 850                     |
| C*DS006M4A** | 2YL3R73KE       | FD2           | 2        | 49                  | 68-5/16 | 36-3/8 | 1,075                   |
| C*DS007M4A** | 2YA3R82K0       | FD2           | 2        | 49                  | 68-5/16 | 36-3/8 | 1,100                   |
| C*DS008M4A** | 3YA3R99KE       | FD2           | 2        | 49                  | 68-5/16 | 36-3/8 | 1,130                   |
| C*DS010M4A** | 3YB3R11ME       | FD2           | 2        | 49                  | 68-5/16 | 36-3/8 | 1,330                   |
| C*DS012M4A** | 3YF3R14ME       | FD3           | 2        | 49                  | 68-5/16 | 43-7/8 | 1,330                   |
| C*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      |                         |
| C*OS004E4A** | YS26KAE         | FD1           | 1        | 49                  | 38-5/16 | 36-3/8 | 700                     |
| C*OS005E4A** | YS30KAE         | FD1           | 1        | 49                  | 38-5/16 | 36-3/8 | 710                     |
| C*OS006E4A** | YS33KAE         | FD1           | 1        | 49                  | 38-5/16 | 36-3/8 | 710                     |
| C*OS007E4A** | YS40KAE         | FD2           | 2        | 49                  | 68-5/16 | 36-3/8 | 870                     |
| C*OS008E4A** | YB51KAE         | FD2           | 2        | 49                  | 68-5/16 | 36-3/8 | 915                     |
| C*OS009E4A** | YB56KAE         | FD2           | 2        | 49                  | 68-5/16 | 36-3/8 | 980                     |
| C*OS010E4A** | YB68KAE         | FD2           | 2        | 49                  | 68-5/16 | 36-3/8 | 1,085                   |
| C*OS013E4A** | YB83KAE         | FD3           | 2        | 49                  | 68-5/16 | 43-7/8 | 1,105                   |
| C*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      |                         |
| C*BS003E4A** | 2DES-3          | FD1           | 1        | 49                  | 38-5/16 | 36-3/8 | 800                     |
| C*BS004E4A** | 2CES-4          | FD1           | 1        | 49                  | 38-5/16 | 36-3/8 | 825                     |
| C*BS005E4A** | 4FES-5          | FD1           | 1        | 49                  | 38-5/16 | 36-3/8 | 850                     |
| C*BS006E4A** | 4EES-6          | FD2           | 2        | 49                  | 68-5/16 | 36-3/8 | 1,075                   |
| C*BS007E4A** | 4DES-7          | FD2           | 2        | 49                  | 68-5/16 | 36-3/8 | 1,100                   |
| C*BS008E4A** | 4CES-9          | FD2           | 2        | 49                  | 68-5/16 | 36-3/8 | 1,130                   |
| C*BS010E4A** | 4TES-12         | FD2           | 2        | 49                  | 68-5/16 | 36-3/8 | 1,330                   |
| C*BS012E4A** | 4PES-15         | FD3           | 2        | 49                  | 68-5/16 | 43-7/8 | 1,330                   |
| C*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      |                         |
| C*DS003L4A** | 2YF3F13KE       | FD1           | 1        | 49                  | 38-5/16 | 36-3/8 | 710                     |
| C*DS004L4A** | 2YL3F15KE       | FD1           | 1        | 49                  | 38-5/16 | 36-3/8 | 760                     |
| C*DS005L4A** | 2YA3F17KE       | FD1           | 1        | 49                  | 38-5/16 | 36-3/8 | 805                     |
| C*DS006L4A** | 3YA3F21KE       | FD2           | 2        | 49                  | 68-5/16 | 36-3/8 | 870                     |
| C*DS008L4A** | 3YB3F24KE       | FD2           | 2        | 49                  | 68-5/16 | 36-3/8 | 1,130                   |
| C*DS009L4A** | 3YF3F29KE       | FD2           | 2        | 49                  | 68-5/16 | 36-3/8 | 1,275                   |
| C*DS010L4A** | 3YS3F33KE       | FD2           | 2        | 49                  | 68-5/16 | 36-3/8 | 1,275                   |
| C*DS012L4A** | 4YBNF40KE       | FD2           | 2        | 49                  | 68-5/16 | 36-3/8 | 1,290                   |
| C*DS015L4A** | 4YHNF46KE       | FD2           | 2        | 49                  | 68-5/16 | 36-3/8 | 1,310                   |
| C*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      |                         |
| C*OS008L4A** | YF19KAE         | FD1           | 1        | 49                  | 38-5/16 | 36-3/8 | 850                     |
| C*OS010L4A** | YF26KAE         | FD2           | 2        | 49                  | 68-5/16 | 36-3/8 | 1,025                   |
| C*OS013L4A** | YF32KAE         | FD2           | 2        | 49                  | 68-5/16 | 36-3/8 | 1,050                   |
| C*OS015L4A** | YF38KAE         | FD2           | 2        | 49                  | 68-5/16 | 36-3/8 | 1,105                   |

## LOW TEMPERATURE BITZER

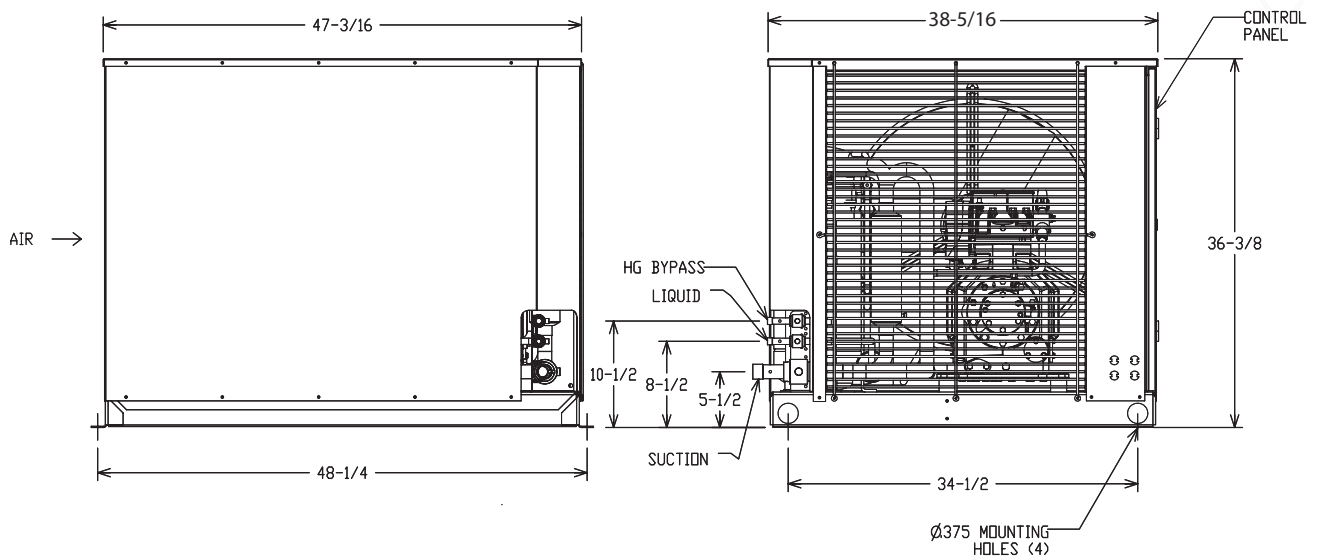
| Model No.    | Comp. Model No. | Cabinet Size† | Fan Qty. | Dimensions (Inches) |         |        | Approx. Ship Wt. (Lbs.) |
|--------------|-----------------|---------------|----------|---------------------|---------|--------|-------------------------|
|              |                 |        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

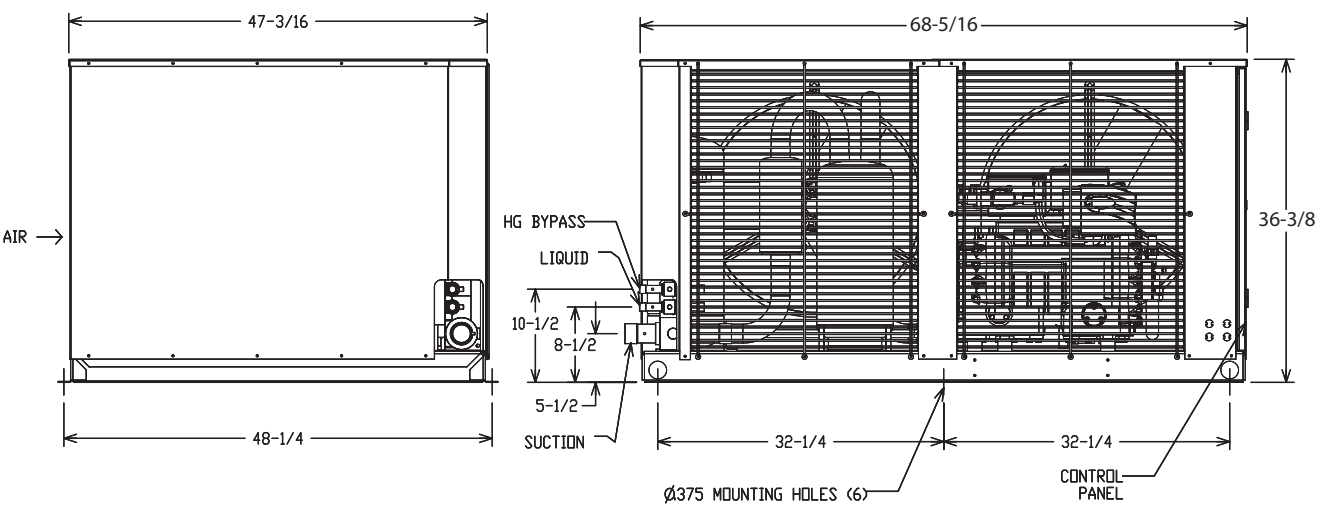
## DIMENSIONAL DRAWINGS

**Figure 1: FD1**



DIMENSIONAL DRAWINGS

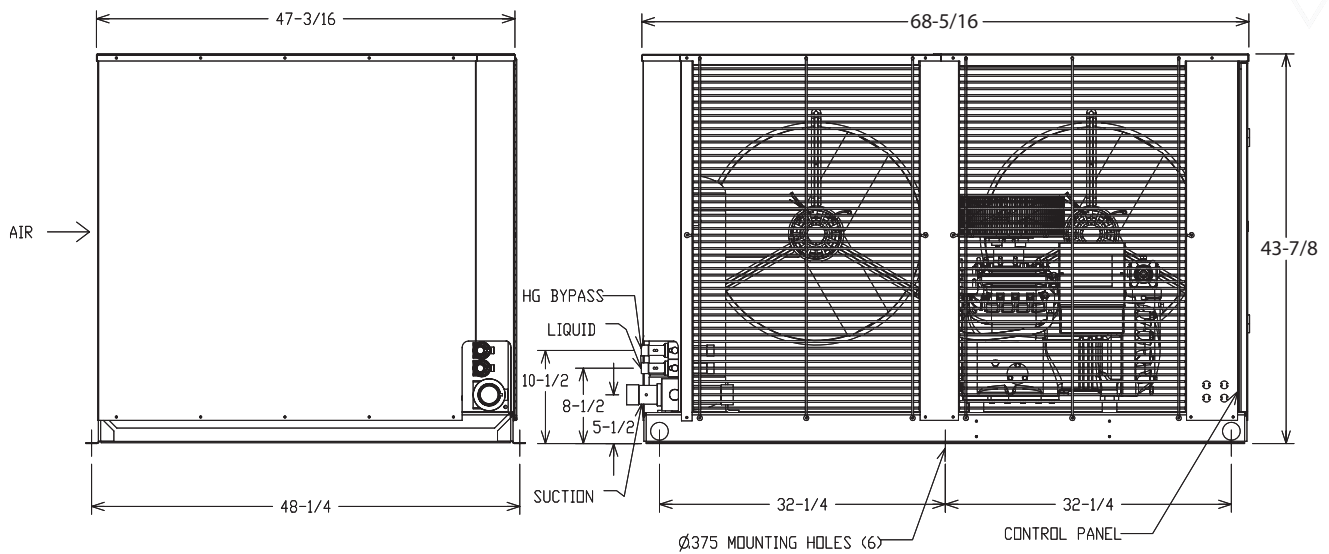
Figure 2: FD2



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 |
|----------------|-------|-------|-------|
| C*DS004M4A**   | 7.6   | 7.6   | 7.6   |
| C*DS005M4A**   | 7.6   | 7.6   | 7.6   |
| C*DS006M4A**   | 7.6   | 7.6   | 7.6   |
| C*DS007M4A**   | 7.6   | 7.6   | 7.6   |
| C*DS008M4A**   | 7.6   | 7.6   | 7.6   |
| C*DS010M4A**   | 7.6   | 7.6   | 7.6   |
| C*DS012M4A**   | 7.6   | 7.6   | 7.6   |
| C*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 |
|----------------|-------|-------|-------|
| C*OS004E4A**   | 7.6   | 7.6   | 7.6   |
| C*OS005E4A**   | 7.6   | 7.6   | 7.6   |
| C*OS006E4A**   | 7.6   | 7.6   | 7.6   |
| C*OS007E4A**   | 7.6   | 7.6   | 7.6   |
| C*OS008E4A**   | 7.6   | 7.6   | 7.6   |
| C*OS009E4A**   | 7.6   | 7.6   | 7.6   |
| C*OS010E4A**   | 7.6   | 7.6   | 7.6   |
| C*OS013E4A**   | 7.6   | 7.6   | 7.6   |
| C*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 |
|----------------|-------|-------|-------|
| C*BS003E4A**   | 7.6   | 7.6   | 7.6   |
| C*BS004E4A**   | 7.6   | 7.6   | 7.6   |
| C*BS005E4A**   | 7.6   | 7.6   | 7.6   |
| C*BS006E4A**   | 7.6   | 7.6   | 7.6   |
| C*BS007E4A**   | 7.6   | 7.6   | 7.6   |
| C*BS008E4A**   | 7.6   | 7.6   | 7.6   |
| C*BS010E4A**   | 7.6   | 7.6   | 7.6   |
| C*BS012E4A**   | 7.6   | 7.6   | 7.6   |
| C*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 |
|----------------|-------|-------|-------|
| C*DS003L4A**   | 3.15  | 3.15  | 3.15  |
| C*DS004L4A**   | 3.15  | 3.15  | 3.15  |
| C*DS005L4A**   | 3.15  | 3.15  | 3.15  |
| C*DS006L4A**   | 3.15  | 3.15  | 3.15  |
| C*DS008L4A**   | 3.15  | 3.15  | 3.15  |
| C*DS009L4A**   | 3.15  | 3.15  | 3.15  |
| C*DS010L4A**   | 3.15  | 3.15  | 3.15  |
| C*DS012L4A**   | 3.15  | 3.15  | 3.15  |
| C*DS015L4A**   | 3.15  | 3.15  | 3.15  |
| C*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 |
|----------------|-------|-------|-------|
| C*OS008L4A**   | 3.15  | 3.15  | 3.15  |
| C*OS010L4A**   | 3.15  | 3.15  | 3.15  |
| C*OS013L4A**   | 3.15  | 3.15  | 3.15  |
| C*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 |
|----------------|-------|-------|-------|
| C*BS003L4A**   | 3.15  | 3.15  | 3.15  |
| C*BS004L4A**   | 3.15  | 3.15  | 3.15  |
| C*BS005L4A**   | 3.15  | 3.15  | 3.15  |
| C*BS006L4A**   | 3.15  | 3.15  | 3.15  |
| C*BS008L4A**   | 3.15  | 3.15  | 3.15  |
| C*BS009L4A**   | 3.15  | 3.15  | 3.15  |
| C*BS010L4A**   | 3.15  | 3.15  | 3.15  |
| C*BS012L4A**   | 3.15  | 3.15  | 3.15  |
| C*BS015L4A**   | 3.15  | 3.15  | 3.15  |
| C*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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Published August 2025

CZ-NG2-A2L-0825

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