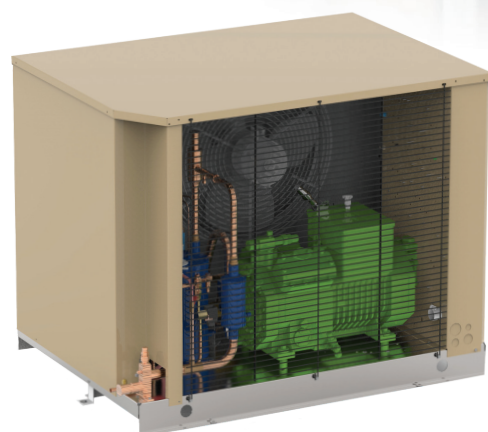
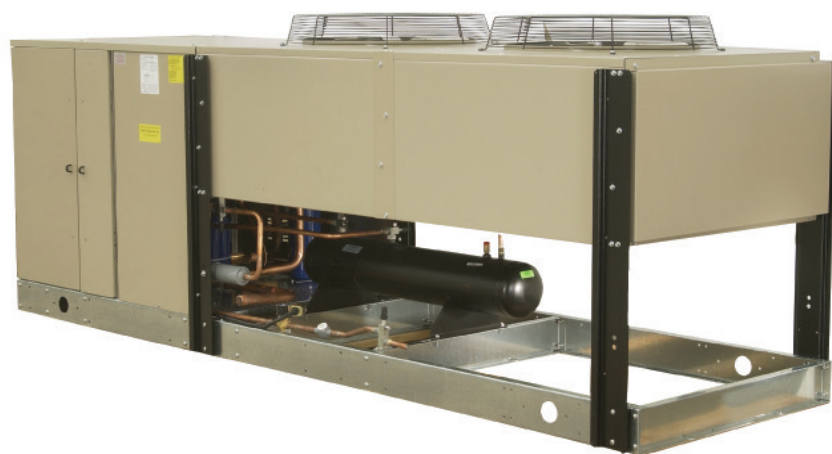




# *Air-Cooled Condensing Units with Bitzer Compressors*

Technical Guide



**CLIMATE**  
  
**CONTROL**

# Table of Contents

|                                                                |       |
|----------------------------------------------------------------|-------|
| Floating Tube™ Coil .....                                      | 3     |
| Beacon II™ Options .....                                       | 4     |
| Adjustable Head Pressure Control .....                         | 5     |
| Bitzer Features & Benefits.....                                | 6-7   |
| <b>Single Compressor Models</b>                                |       |
| <b>Horizontal Air Discharge Condensing Units 4-13 HP</b> ..... | 8-19  |
| Standard /Optional / Factory-Installed Options .....           | 8     |
| Nomenclature.....                                              | 8     |
| Medium Temperature.....                                        | 9-12  |
| R-404A/R-507 .....                                             | 9     |
| R-407A/R-407F .....                                            | 10    |
| R-407C.....                                                    | 11    |
| R-448A/R-449A .....                                            | 12    |
| Low Temperature .....                                          | 13-16 |
| R-404A/R-507 .....                                             | 13    |
| R-407A/R-407F .....                                            | 14    |
| R-407C.....                                                    | 15    |
| R-448A/R-449A .....                                            | 16    |
| Electrical Data .....                                          | 17-18 |
| 208-230 / 460 Volts .....                                      | 17    |
| 575 Volts.....                                                 | 18    |
| Unit Specifications.....                                       | 19    |
| <b>Single Compressor Models</b>                                |       |
| <b>Vertical Air Discharge Condensing Units 13-50 HP</b> .....  | 20-31 |
| Standard /Optional / Factory-Installed Options .....           | 20    |
| Nomenclature.....                                              | 20    |
| Medium Temperature.....                                        | 21-24 |
| R-404A/R-507 .....                                             | 21    |
| R-407A/R-407F .....                                            | 22    |
| R-407C.....                                                    | 23    |
| R-448A/R-449A .....                                            | 24    |
| Low Temperature .....                                          | 25-28 |
| R-404A/R-507 .....                                             | 25    |
| R-407A/R-407F .....                                            | 26    |
| R-407C.....                                                    | 27    |
| R-448A/R-449A .....                                            | 28    |
| Electrical Data .....                                          | 29-30 |
| 208-230 / 460 Volts .....                                      | 29    |
| 575 Volts.....                                                 | 30    |
| Unit Specifications.....                                       | 31    |
| <b>Dual Compressor Models</b>                                  |       |
| <b>Vertical Air Discharge Condensing Units 26-100 HP</b> ..... | 32-43 |
| Standard /Optional / Factory-Installed Options .....           | 32    |
| Nomenclature .....                                             | 32    |
| Medium Temperature.....                                        | 33-36 |
| R-404A/R-507 .....                                             | 33    |
| R-407A/R-407F .....                                            | 34    |
| R-407C.....                                                    | 35    |
| R-448A/R-449A .....                                            | 36    |
| Low Temperature .....                                          | 37-40 |
| R-404A/R-507 .....                                             | 37    |
| R-407A/R-407F .....                                            | 38    |
| R-407C.....                                                    | 39    |
| R-448A/R-449A .....                                            | 40    |
| Electrical Data .....                                          | 41-42 |
| 208-230 / 460 Volts .....                                      | 41    |
| 575 Volts.....                                                 | 42    |
| Unit Specifications.....                                       | 43    |

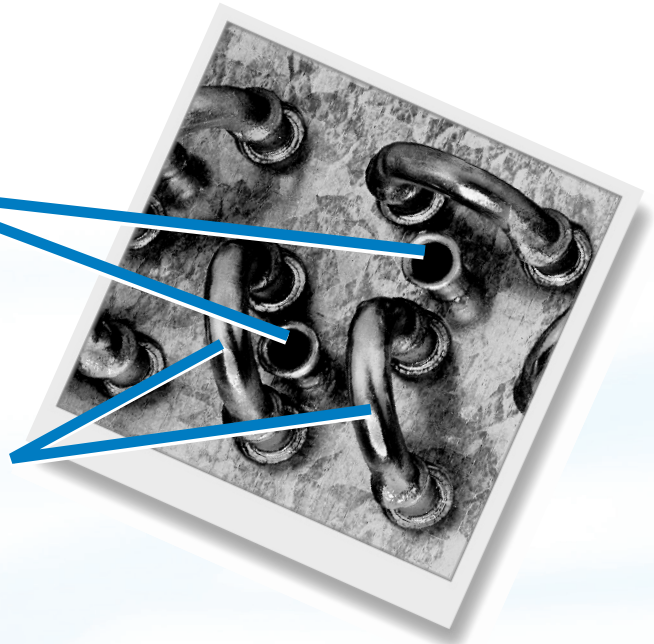
## Single and Dual Compressor Condensing Units Feature Our Floating Tube Coil Design

### **Expanded (Locked) Auxiliary Tubes:**

These tubes support the coil with fins and refrigerant carrying tubes. They do not carry refrigerant and are tightly fitted on end supports and center supports.

### **Free Floating Circuited Coil Tubes:**

These tubes carry refrigerant and never touch the sheet metal end supports or center supports.



All units include a limited  
**Five Year Warranty**  
against condenser leaks at tube sheets  
and center supports.

All condensers use the Floating Tube™ coil design to eliminate refrigerant leaks at the tube sheets. Additional tubes are added to the condenser coil. These tubes are expanded into the aluminum fins and condenser tube sheets. These anchor tubes support the weight of the coil, but are not a part of the refrigerant circuit.

The tubes in the refrigerant circuit are expanded into the fins, but “float” through oversized holes in the tube sheets. Tube sheet leaks are virtually eliminated, since the tubes which carry refrigerant never come in contact with the tube sheet.

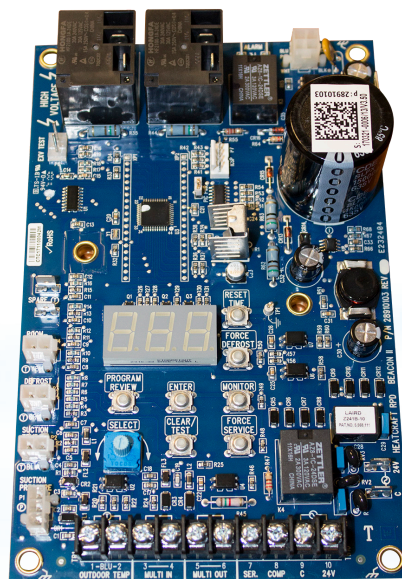
# Beacon II™

REFRIGERATION SYSTEM

Beacon II™ Refrigeration System is the next generation of Heatcraft's patented, preassembled, factory installed refrigeration system featuring an integrated microcomputer-based electronic control board. The Beacon II™ systems come completely factory installed, wired and tested saving you time and money.

## Beacon II™ offers:

- Complete factory installation, wiring and testing which saves time and money!
- Simplified field electrical connections and 24 volt wiring between condensing and evaporator coil.
- Preset factory superheat allowing the system to run more efficiently and reducing future adjustments.
- Monitors and controls box temperature, evaporator superheat, system status and defrost.
- Monitor and make system changes remotely via internet and exclusive Beacon II™ Smart Controller.
- Data logging capabilities with Smart Controller.



## Beacon II™ Smart Controller

Beacon II™ Smart Controller is an optional system monitoring and programming control device. It allows for adjustments to be made at the push of a button from a conveniently mounted location. Beacon II™ Smart Controller also allows you to monitor and make changes to the refrigeration system via internet connection from anywhere in the world via the optional Heatcraft Remote Refrigeration Control (RRC) feature. One Smart Controller can program and control up to four condensing units with up to four evaporators on each system. That's more control in your hands!

## Beacon II™ Smart Defrost

**Beacon II™ Smart Defrost** The Beacon II™ Smart Defrost, available only on the Beacon II™ Smart Controller, enables the Beacon II™ system to sense frost accumulation and initiates defrost only when it is necessary. To begin, preset defrost times using the Beacon II™ Smart Controller. At each scheduled defrost time, Smart Defrost checks system performance to see if a defrost is necessary. If not, it simply does not defrost, waiting until the next scheduled defrost time.

## Smart Defrost Kit

**Smart Defrost Kit™** The factory installed Smart Defrost Kit (SDK) skips unnecessary defrosts in commercial, electric defrost walk-in refrigeration systems saving energy, reducing costs and ultimately improving product integrity. The SDK is available as a factory-installed option on all condensing units.

# ADJUSTABLE HEAD PRESSURE CONTROL FOR VERTICAL AIR DISCHARGE CONDENSING UNITS

## The Need For Head Pressure Control

Refrigeration condensing units must efficiently perform at varying ambient conditions. A properly sized unit will adequately perform at even the highest summer ambient temperatures. However, in situations where the system must operate the majority of the time at less than design temperature, a means of providing adequate head pressure for refrigerant flow is desirable. The CDV & CDD units have an adjustable head pressure method of head pressure control.

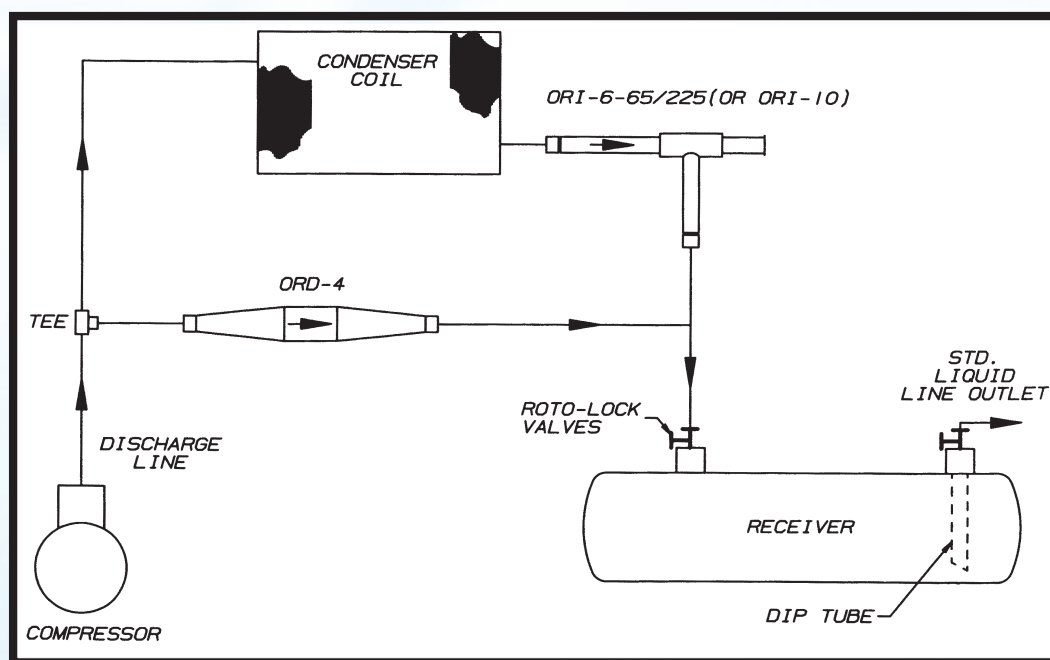
## The Climate Control Adjustable Head Pressure Control System

The Adjustable Head Pressure system is a factory assembled system utilizing an adjustable head pressure control to maintain a constant head pressure at the air-cooled condensing unit during all climatic conditions when the ambient temperature drops below 75°F (typical).

When the ambient is above 75°F, the condenser pressure is above the adjustable head pressure valve setting and therefore, the valve remains in the full open position.

As the temperature drops below 75°F, the pressure at the condenser also drops below the setting of the adjustable head pressure valve. The adjustable head pressure valve, sensing the reduction in condensing pressure, modulates toward the closed position, thus restricting the flow of liquid from the condenser. The liquid backs up into the condenser and floods a portion of the tubes, reducing the overall capacity of the condenser. The adjustable head pressure valve will continue to flood the condenser until the pressure setting has been reached, providing proper head pressure at all ambient temperatures.

While the condenser floods, a second line pressurizes the receiver through another valve; therefore, the refrigerant flow from the condenser to the receiver modulates with conditions. However, the bypass from the discharge line maintains a minimum receiver pressure. These valves are adjustable and the minimum receiver pressure may be reset higher or lower depending upon application situations of a particular job. The Adjustable Head Pressure Control system uses this two-valve, adjustable design.



## Features & Benefits



### BITZER Compressors

BITZER is the world's largest independent manufacturer of commercial A/C and refrigeration compressors. Founded in Germany in 1934, BITZER manufactures semi-hermetic, reciprocating, screw and scroll compressors as well as pressure vessels. BITZER's U.S. subsidiary operates two plants in GA. and one plant in NY.

BITZER's Quickship program provides 24/7 replacement service from regional distribution warehouses located in Newark, Atlanta, Miami, Dallas, Chicago, Denver, Seattle, San Francisco and Los Angeles.  
Call 1-888-GO BITZER (888-462-4893)

### BITZER ECOLINE COMPRESSORS Offer...

- High Efficiency
- Unloader Heads Standard on All 4 & 6-cylinder Models
- Dual Voltage Control Modules on All Models
- Dual Voltage Compressors (6 to 50 HP)
- Superior Lubrication and Low Oil Circulation Rates
- German Engineering / Built in America



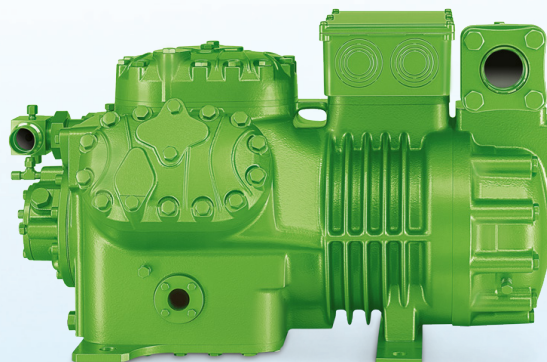
| ECOLINE Standard Execution                        | Octagon CE3-4 Models | BE5-6 Models |
|---------------------------------------------------|----------------------|--------------|
| POE Oil Charge                                    | ✓                    | ✓            |
| Protective Dry-Nitrogen Charge                    | ✓                    | ✓            |
| Suction & Discharge Service Valves                | ✓                    | ✓            |
| Dual Voltage INT Protection Modules               | ✓                    | ✓            |
| Terminal Box Enclosure Class IP65 (BE5-6 / IP 54) | ✓                    | ✓            |
| Unloader Heads                                    | ✓                    | ✓            |
| Centrifugal Oil System                            | ✓                    |              |
| Conventional Oil Pump                             |                      | ✓            |
| <b>BITZER Options</b>                             | <b>CE3-4</b>         | <b>BE5-6</b> |
| Mounting Hardware (Spring Kits)                   | ✓                    | ✓            |
| Hard Mount Kits                                   | ✓                    | ✓            |
| Optical Oil Sensor                                | ✓                    |              |
| Crankcase Heaters                                 | ✓                    | ✓            |
| Unloader Stems / Coils                            | ✓                    | ✓            |
| Head Fans and Brackets                            | ✓                    | ✓            |
| Delta P II Differential Oil Pres. Switch          |                      |              |

### ECOLINE Heads

BITZER ECOLINE heads are designed for low pressure drop, and both valve plates and pistons are designed to reduce clearance and increase efficiency.

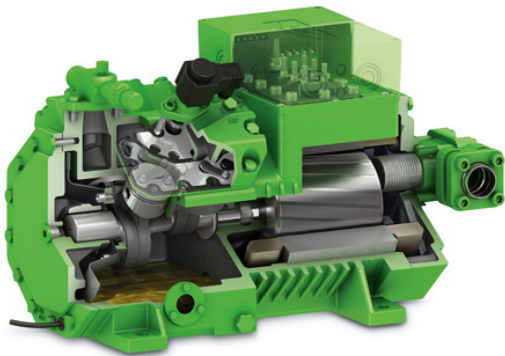
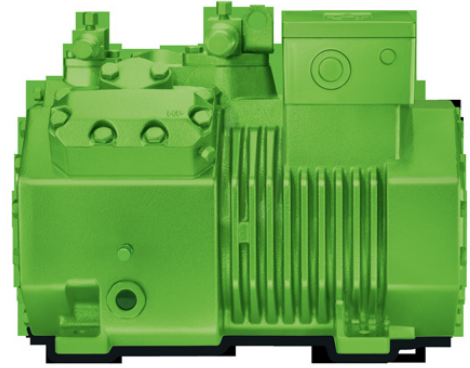
### BITZER Quiet!

BITZER compressors are famous for their low sound levels. Capacities are changed within a frame size by changing the bore diameters rather than the length of the piston strokes. This gives BITZER compressors an unsurpassed balance and precision that translates to low decibels.



### **BITZER ECOLINE CE3 – CE4 Models...**

...are rated from 3 to 20 HP. This rugged, compact series utilizes wear resistant drive gear with PTFE coated bearings for especially low friction, aluminum pistons of optimized geometry, connecting rods with eccentric straps and generously dimensioned bearing surfaces. BITZER's centrifugal lubrication system eliminates the need for an oil pump and provides optimum oil supply to the compressor even under extreme operating conditions.



### **Centrifugal Lubrication**

The centrifugal lubrication design employs a solid metal disc mounted to the crankshaft (see cut-away) that distributes oil into a reservoir at the end of the shaft. The oil then flows through the shaft to the bearing surfaces.

BITZER offers an optional Optical Oil Sensor (See OLC-K1 photo below) that mounts to the outer cover of the compressor and monitors oil level by means of an infrared light.

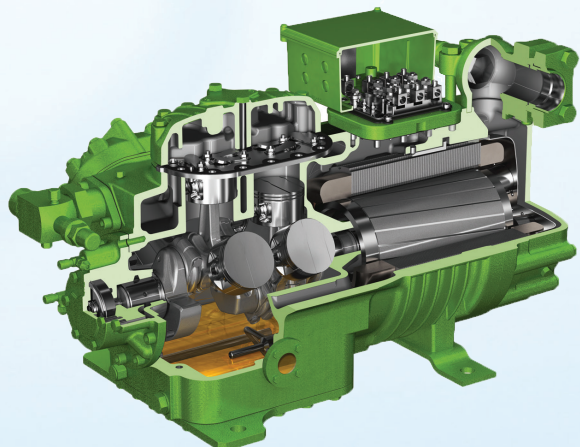
### **OLC-K1 Operating Principle**

The OLC-K1 sensing device shines an infrared light into the oil reservoir. If oil is present, the light is absorbed and the compressor runs normally. If no oil is present, the light reflects on the sensor, and the compressor shuts off.



### **BITZER BE5 & BE6 Models**

BITZER BE5 through BE6 models are rated from 22 to 50 HP. This series features surface hardened crank shafts, low friction bearings, aluminum pistons, hard chrome plated piston rings and special wrist pin bearings. The BE5 & BE6 models have a sealed main bearing and generously sized oil pump. BITZER's patented oil return system ensures complete lubrication while reducing oil circulation into the system. Efficient capacity control is provided by unloader banks that can significantly reduce energy consumption.

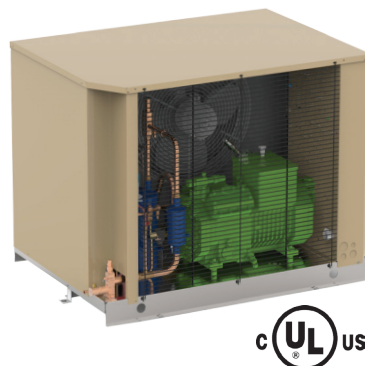


## Standard and Optional Features

- Floating Tube™ coil design
- Rifled copper condenser tubing
- Designed for use with R-404A, R-507, R-407A, R-407C, R-407F, R-448A and R-449A
- Prebent copper tubes minimize welded joints on internal piping
- Fixed high and adjustable low pressure controls
- Oil safety control
- Head pressure control valve
- Bitzer compressors with POE oil
- Spring mounted compressor with suction and discharge vibration eliminators
- Crankcase heater
- Thermally protected, permanently lubricated ball bearing condenser fan motors
- Separate subcooling circuit in condenser for added capacity and vapor-free liquid
- Pressure relief valve on receiver
- Sealed liquid line filter drier and sight glass
- Electrical controls, including compressor contactor and optional defrost control, are located in easily accessible control box with a hinged cover
- Service Mate™ module to assist troubleshooting
- Pumpdown Switch
- Cabinet is constructed from prepainted galvanized steel
- Base valve and high & low pressure taps on outside of unit
- Vertical receivers

## Factory-Installed Options

- Oversized receiver
- Replaceable core liquid filter drier
- Liquid line solenoid valve
- Suction filter
- Replaceable core suction filter
- Suction accumulator
- Oil separator
- Air defrost timer
- Electric defrost kits, including timer, evaporator fan contactor with fusing, defrost heater contactor(s), lockout relay and terminal strip
- Fusing for defrost kits
- Low ambient kit with heated and insulated receiver with time delay
- Fused disconnect switch
- Non-fused disconnect switch
- Phase-loss monitor
- Manual-reset high pressure switch
- Anti-short cycle timer
- Compressor circuit breakers
- Condenser fan cycling
- Coated condenser coils
- Copper finned coil
- Beacon II™ compatible
- Hail guards (shipped loose)
- Compressor unloading
- NEMA contactors
- 12" extended legs for snowbelt region (shipped loose)
- Slanted louver for snowbelt regions (shipped loose)
- Dual pressure control



## Nomenclature

| C                   | B          | T              | 0401       | L             | 6                 | C                |
|---------------------|------------|----------------|------------|---------------|-------------------|------------------|
| Brand               | Compressor | Application    | Horsepower | Temperature   | Refrigerant       | Voltage          |
| C = Climate Control | B = Bitzer | T = Outdoor    | 0401 - 4   | M = Med. Temp | 6 = R-404A, R-507 | C = 208-230/3/60 |
|                     |            | N = Indoor     | 0551 - 5   | L = Low Temp  | R-407A            | D = 460/3/60     |
|                     |            | S = Beacon II™ | 0601 - 6   |               | R-407C            | E = 575/3/60     |
|                     |            |                | 0611 - 6   |               | R-407F            |                  |
|                     |            |                | 0751 - 7.5 |               | R-448A            |                  |
|                     |            |                | 0901 - 9   |               | R-449A            |                  |
|                     |            |                | 1001 - 10  |               |                   |                  |
|                     |            |                | 1201 - 12  |               |                   |                  |
|                     |            |                | 1301 - 13  |               |                   |                  |

# PERFORMANCE DATA: HORIZONTAL AIR DISCHARGE CONDENSING UNIT

## Medium Temperature R-404A/R-507

| Model     | Compressor | Capacity BTUH @ 90°F Ambient by SST |         |         |        |        |        |
|-----------|------------|-------------------------------------|---------|---------|--------|--------|--------|
|           |            | 40°F                                | 30°F    | 25°F    | 20°F   | 15°F   | 5°F    |
| CB*0551M6 | 4EES-6     | 83,240                              | 70,550  | 64,330  | 58,510 | 52,960 | 42,890 |
| CB*0751M6 | 4DES-7     | 99,170                              | 84,120  | 77,040  | 69,990 | 63,460 | 51,540 |
| CB*0901M6 | 4CES-9     | 126,090                             | 106,110 | 96,460  | 87,440 | 78,920 | 63,560 |
| CB*1001M6 | 4VES-10    | 131,400                             | 110,460 | 100,240 | 90,580 | 81,480 | 65,120 |

| Model     | Compressor | Capacity BTUH @ 95°F Ambient by SST |         |        |        |        |        |
|-----------|------------|-------------------------------------|---------|--------|--------|--------|--------|
|           |            | 40°F                                | 30°F    | 25°F   | 20°F   | 15°F   | 5°F    |
| CB*0551M6 | 4EES-6     | 78,910                              | 66,990  | 61,080 | 55,570 | 50,390 | 40,760 |
| CB*0751M6 | 4DES-7     | 94,200                              | 79,990  | 73,260 | 66,660 | 60,370 | 49,050 |
| CB*0901M6 | 4CES-9     | 120,140                             | 101,150 | 91,970 | 83,360 | 75,300 | 60,530 |
| CB*1001M6 | 4VES-10    | 124,820                             | 104,930 | 95,150 | 86,000 | 77,450 | 61,740 |

| Model     | Compressor | Capacity BTUH @ 100°F Ambient by SST |        |        |        |        |        |
|-----------|------------|--------------------------------------|--------|--------|--------|--------|--------|
|           |            | 40°F                                 | 30°F   | 25°F   | 20°F   | 15°F   | 5°F    |
| CB*0551M6 | 4EES-6     | 74,670                               | 63,360 | 57,850 | 52,680 | 47,710 | 38,610 |
| CB*0751M6 | 4DES-7     | 89,200                               | 75,810 | 69,390 | 63,150 | 57,250 | 46,530 |
| CB*0901M6 | 4CES-9     | 114,090                              | 96,120 | 87,580 | 79,240 | 71,580 | 57,490 |
| CB*1001M6 | 4VES-10    | 118,190                              | 99,350 | 90,260 | 81,440 | 73,320 | 58,370 |

| Model     | Compressor | Capacity BTUH @ 110°F Ambient by SST |        |        |        |        |        |
|-----------|------------|--------------------------------------|--------|--------|--------|--------|--------|
|           |            | 40°F                                 | 30°F   | 25°F   | 20°F   | 15°F   | 5°F    |
| CB*0551M6 | 4EES-6     | 66,040                               | 56,040 | 51,280 | 46,680 | 42,320 | 34,250 |
| CB*0751M6 | 4DES-7     | 79,100                               | 67,420 | 61,790 | 56,150 | 51,060 | 41,440 |
| CB*0901M6 | 4CES-9     | 101,810                              | 85,980 | 78,230 | 71,000 | 64,080 | 51,370 |
| CB*1001M6 | 4VES-10    | 104,820                              | 88,150 | 80,010 | 72,410 | 65,080 | 51,630 |

### NOTES:

\*= T for Outdoors, N for Indoors, S for Beacon II™

# PERFORMANCE DATA: HORIZONTAL AIR DISCHARGE CONDENSING UNIT

## Medium Temperature R-407A/R-407F

| Model     | Compressor | Capacity BTUH @ 90°F Ambient by SST |         |        |        |        |        |
|-----------|------------|-------------------------------------|---------|--------|--------|--------|--------|
|           |            | 40°F                                | 30°F    | 25°F   | 20°F   | 15°F   | 5°F    |
| CB*0551M6 | 4EES-6     | 85,290                              | 70,350  | 63,390 | 56,910 | 50,870 | 40,150 |
| CB*0751M6 | 4DES-7     | 99,640                              | 82,310  | 74,160 | 66,630 | 59,480 | 46,930 |
| CB*0901M6 | 4CES-9     | 126,700                             | 104,140 | 93,810 | 84,080 | 75,120 | 59,230 |
| CB*1001M6 | 4VES-10    | 130,800                             | 107,240 | 96,410 | 86,280 | 76,850 | 60,090 |

| Model     | Compressor | Capacity BTUH @ 95°F Ambient by SST |         |        |        |        |        |
|-----------|------------|-------------------------------------|---------|--------|--------|--------|--------|
|           |            | 40°F                                | 30°F    | 25°F   | 20°F   | 15°F   | 5°F    |
| CB*0551M6 | 4EES-6     | 81,690                              | 67,390  | 60,640 | 54,440 | 48,680 | 38,310 |
| CB*0751M6 | 4DES-7     | 95,420                              | 78,770  | 70,860 | 63,620 | 56,810 | 44,740 |
| CB*0901M6 | 4CES-9     | 121,560                             | 99,890  | 89,930 | 80,570 | 71,910 | 56,610 |
| CB*1001M6 | 4VES-10    | 125,190                             | 102,630 | 92,100 | 82,370 | 73,360 | 57,150 |

| Model     | Compressor | Capacity BTUH @100°F Ambient by SST |        |        |        |        |        |
|-----------|------------|-------------------------------------|--------|--------|--------|--------|--------|
|           |            | 40°F                                | 30°F   | 25°F   | 20°F   | 15°F   | 5°F    |
| CB*0551M6 | 4EES-6     | 78,160                              | 64,410 | 58,050 | 52,020 | 46,430 | 36,470 |
| CB*0751M6 | 4DES-7     | 91,220                              | 75,250 | 67,700 | 60,700 | 54,160 | 42,560 |
| CB*0901M6 | 4CES-9     | 116,330                             | 95,620 | 86,100 | 77,030 | 68,720 | 54,000 |
| CB*1001M6 | 4VES-10    | 119,520                             | 97,890 | 87,930 | 78,440 | 69,780 | 54,210 |

| Model     | Compressor | Capacity BTUH @ 110°F Ambient by SST |        |        |        |        |        |
|-----------|------------|--------------------------------------|--------|--------|--------|--------|--------|
|           |            | 40°F                                 | 30°F   | 25°F   | 20°F   | 15°F   | 5°F    |
| CB*0551M6 | 4EES-6     | 71,070                               | 58,430 | 52,550 | 47,040 | 41,990 | 32,820 |
| CB*0751M6 | 4DES-7     | 82,810                               | 68,210 | 61,410 | 54,880 | 48,970 | 38,240 |
| CB*0901M6 | 4CES-9     | 106,210                              | 87,050 | 78,280 | 70,020 | 62,430 | 48,820 |
| CB*1001M6 | 4VES-10    | 108,130                              | 88,410 | 79,230 | 70,680 | 62,680 | 48,380 |

NOTES:  
 \* = T for Outdoors, N for Indoors, S for Beacon II™

HEAD FAN REQUIRED

# PERFORMANCE DATA: HORIZONTAL AIR DISCHARGE CONDENSING UNIT

## Medium Temperature R-407C

| Model     | Compressor | Capacity BTUH @ 90°F Ambient by SST |        |        |        |        |        |
|-----------|------------|-------------------------------------|--------|--------|--------|--------|--------|
|           |            | 40°F                                | 30°F   | 25°F   | 20°F   | 15°F   | 5°F    |
| CB*0551M6 | 4EES-6     | 76,580                              | 62,420 | 55,970 | 50,020 | 44,480 | 34,560 |
| CB*0751M6 | 4DES-7     | 90,410                              | 74,010 | 66,460 | 59,380 | 52,880 | 41,230 |
| CB*0901M6 | 4CES-9     | 114,390                             | 93,290 | 83,630 | 74,770 | 66,570 | 51,980 |
| CB*1001M6 | 4VES-10    | 119,390                             | 97,140 | 87,100 | 77,790 | 69,160 | 53,760 |

| Model     | Compressor | Capacity BTUH @ 95°F Ambient by SST |        |        |        |        |        |
|-----------|------------|-------------------------------------|--------|--------|--------|--------|--------|
|           |            | 40°F                                | 30°F   | 25°F   | 20°F   | 15°F   | 5°F    |
| CB*0551M6 | 4EES-6     | 73,620                              | 59,980 | 53,710 | 47,940 | 42,590 | 33,030 |
| CB*0751M6 | 4DES-7     | 86,740                              | 70,980 | 63,650 | 56,940 | 50,680 | 39,490 |
| CB*0901M6 | 4CES-9     | 109,940                             | 89,680 | 80,340 | 71,830 | 63,920 | 49,860 |
| CB*1001M6 | 4VES-10    | 114,640                             | 93,300 | 83,460 | 74,510 | 66,190 | 51,320 |

| Model     | Compressor | Capacity BTUH @100°F Ambient by SST |        |        |        |        |        |
|-----------|------------|-------------------------------------|--------|--------|--------|--------|--------|
|           |            | 40°F                                | 30°F   | 25°F   | 20°F   | 15°F   | 5°F    |
| CB*0551M6 | 4EES-6     | 70,510                              | 57,310 | 51,400 | 45,840 | 40,660 | 31,510 |
| CB*0751M6 | 4DES-7     | 83,100                              | 67,870 | 60,910 | 54,490 | 48,430 | 37,700 |
| CB*0901M6 | 4CES-9     | 105,500                             | 85,970 | 77,130 | 68,880 | 61,280 | 47,730 |
| CB*1001M6 | 4VES-10    | 109,880                             | 89,320 | 79,910 | 71,210 | 63,190 | 48,870 |

| Model     | Compressor | Capacity BTUH @ 110°F Ambient by SST |        |        |        |        |        |
|-----------|------------|--------------------------------------|--------|--------|--------|--------|--------|
|           |            | 40°F                                 | 30°F   | 25°F   | 20°F   | 15°F   | 5°F    |
| CB*0551M6 | 4EES-6     | 64,290                               | 52,230 | 46,760 | 41,660 | 36,880 | 28,480 |
| CB*0751M6 | 4DES-7     | 75,850                               | 61,910 | 55,570 | 49,590 | 44,000 | 34,100 |
| CB*0901M6 | 4CES-9     | 96,730                               | 78,650 | 70,570 | 62,980 | 55,930 | 43,470 |
| CB*1001M6 | 4VES-10    | 100,500                              | 81,200 | 72,630 | 64,590 | 57,100 | 43,940 |

### NOTES:

\*= T for Outdoors, N for Indoors, S for Beacon II™

# PERFORMANCE DATA: HORIZONTAL AIR DISCHARGE CONDENSING UNIT

## Medium Temperature R-448A/R-449A

| Model     | Compressor | Capacity BTUH @ 90°F Ambient by SST |         |        |        |        |        |
|-----------|------------|-------------------------------------|---------|--------|--------|--------|--------|
|           |            | 40°F                                | 30°F    | 25°F   | 20°F   | 15°F   | 5°F    |
| CB*0551M6 | 4EES-6     | 84,510                              | 69,450  | 62,480 | 56,000 | 50,010 | 39,430 |
| CB*0751M6 | 4DES-7     | 99,000                              | 81,380  | 73,140 | 65,600 | 58,560 | 46,140 |
| CB*0901M6 | 4CES-9     | 125,540                             | 102,630 | 92,240 | 82,530 | 73,630 | 57,970 |
| CB*1001M6 | 4VES-10    | 130,870                             | 106,690 | 95,590 | 85,210 | 75,690 | 59,000 |

| Model     | Compressor | Capacity BTUH @ 95°F Ambient by SST |         |        |        |        |        |
|-----------|------------|-------------------------------------|---------|--------|--------|--------|--------|
|           |            | 40°F                                | 30°F    | 25°F   | 20°F   | 15°F   | 5°F    |
| CB*0551M6 | 4EES-6     | 81,290                              | 66,730  | 60,040 | 53,740 | 47,940 | 37,710 |
| CB*0751M6 | 4DES-7     | 95,130                              | 78,150  | 70,220 | 62,910 | 56,110 | 44,070 |
| CB*0901M6 | 4CES-9     | 120,850                             | 98,720  | 88,710 | 79,310 | 70,680 | 55,550 |
| CB*1001M6 | 4VES-10    | 125,570                             | 102,250 | 91,560 | 81,530 | 72,420 | 56,250 |

| Model     | Compressor | Capacity BTUH @100°F Ambient by SST |        |        |        |        |        |
|-----------|------------|-------------------------------------|--------|--------|--------|--------|--------|
|           |            | 40°F                                | 30°F   | 25°F   | 20°F   | 15°F   | 5°F    |
| CB*0551M6 | 4EES-6     | 78,040                              | 64,010 | 57,590 | 51,470 | 45,910 | 36,010 |
| CB*0751M6 | 4DES-7     | 91,260                              | 74,920 | 67,340 | 60,230 | 53,660 | 42,080 |
| CB*0901M6 | 4CES-9     | 115,990                             | 94,740 | 85,110 | 76,080 | 67,750 | 53,140 |
| CB*1001M6 | 4VES-10    | 120,270                             | 97,820 | 87,470 | 77,860 | 69,100 | 53,530 |

| Model     | Compressor | Capacity BTUH @ 110°F Ambient by SST |        |        |        |        |        |
|-----------|------------|--------------------------------------|--------|--------|--------|--------|--------|
|           |            | 40°F                                 | 30°F   | 25°F   | 20°F   | 15°F   | 5°F    |
| CB*0551M6 | 4EES-6     | 71,660                               | 58,530 | 52,560 | 46,960 | 41,840 | 32,650 |
| CB*0751M6 | 4DES-7     | 83,530                               | 68,470 | 61,530 | 54,860 | 48,870 | 38,110 |
| CB*0901M6 | 4CES-9     | 106,710                              | 87,080 | 78,030 | 69,660 | 62,010 | 48,390 |
| CB*1001M6 | 4VES-10    | 109,730                              | 89,100 | 79,500 | 70,700 | 62,550 | 48,160 |

### NOTES:

\*= T for Outdoors, N for Indoors, S for Beacon II™

# PERFORMANCE DATA: HORIZONTAL AIR DISCHARGE CONDENSING UNIT

## Low Temperature R-404A/R-507

| Model     | Compressor | Capacity BTUH @ 90°F Ambient by SST |        |        |        |        |        |
|-----------|------------|-------------------------------------|--------|--------|--------|--------|--------|
|           |            | 0°F                                 | -10°F  | -15°F  | -20°F  | -30°F  | -40°F  |
| CB*0401L6 | 4EES-4     | 35,240                              | 28,450 | 25,310 | 22,320 | 17,080 | 12,540 |
| CB*0551L6 | 4DES-5     | 41,690                              | 33,620 | 29,900 | 26,480 | 20,280 | 14,920 |
| CB*0601L6 | 4CES-6     | 52,190                              | 41,540 | 36,760 | 32,300 | 24,410 | 17,720 |
| CB*0611L6 | 4VES-7     | 52,520                              | 41,320 | 36,300 | 31,610 | 23,270 | 16,270 |
| CB*0751L6 | 4TES-9     | 63,980                              | 50,700 | 44,810 | 39,270 | 29,390 | 20,980 |
| CB*1001L6 | 4PES-12    | 71,670                              | 56,480 | 49,720 | 43,340 | 31,950 | 22,330 |
| CB*1201L6 | 4NES-14    | 90,180                              | 71,120 | 62,570 | 54,670 | 40,690 | 28,970 |
| CB*1301L6 | 4JE-15     | 103,170                             | 82,520 | 72,900 | 64,130 | 48,240 | 34,510 |

| Model     | Compressor | Capacity BTUH @ 95°F Ambient by SST |        |        |        |        |        |
|-----------|------------|-------------------------------------|--------|--------|--------|--------|--------|
|           |            | 0°F                                 | -10°F  | -15°F  | -20°F  | -30°F  | -40°F  |
| CB*0401L6 | 4EES-4     | 33,370                              | 26,930 | 23,930 | 21,170 | 16,160 | 11,830 |
| CB*0551L6 | 4DES-5     | 39,490                              | 31,880 | 28,320 | 25,080 | 19,180 | 14,070 |
| CB*0601L6 | 4CES-6     | 49,530                              | 39,370 | 34,810 | 30,560 | 23,020 | 16,640 |
| CB*0611L6 | 4VES-7     | 49,630                              | 38,940 | 34,170 | 29,700 | 21,740 | 15,070 |
| CB*0751L6 | 4TES-9     | 60,540                              | 47,900 | 42,300 | 37,030 | 27,590 | 19,580 |
| CB*1001L6 | 4PES-12    | 67,720                              | 53,250 | 46,720 | 40,580 | 29,780 | 20,630 |
| CB*1201L6 | 4NES-14    | 85,210                              | 67,180 | 59,030 | 51,470 | 38,150 | 26,980 |
| CB*1301L6 | 4JE-15     | 97,810                              | 78,060 | 69,060 | 60,590 | 45,390 | 32,230 |

| Model     | Compressor | Capacity BTUH @ 100°F Ambient by SST |        |        |        |        |        |
|-----------|------------|--------------------------------------|--------|--------|--------|--------|--------|
|           |            | 0°F                                  | -10°F  | -15°F  | -20°F  | -30°F  | -40°F  |
| CB*0401L6 | 4EES-4     | 31,470                               | 25,400 | 22,580 | 19,980 | 15,230 | 11,100 |
| CB*0551L6 | 4DES-5     | 37,290                               | 30,070 | 26,780 | 23,670 | 18,080 | 13,220 |
| CB*0601L6 | 4CES-6     | 46,860                               | 37,180 | 32,880 | 28,830 | 21,640 | 15,580 |
| CB*0611L6 | 4VES-7     | 46,750                               | 36,650 | 32,070 | 27,770 | 20,230 | 13,880 |
| CB*0751L6 | 4TES-9     | 57,030                               | 45,190 | 39,810 | 34,790 | 25,800 | 18,180 |
| CB*1001L6 | 4PES-12    | 63,580                               | 49,930 | 43,730 | 37,880 | 27,630 | 18,960 |
| CB*1201L6 | 4NES-14    | 80,430                               | 63,210 | 55,380 | 48,230 | 35,630 | 25,020 |
| CB*1301L6 | 4JE-15     | 92,440                               | 73,650 | 65,120 | 56,970 | 42,500 | 29,980 |

| Model     | Compressor | Capacity BTUH @ 110°F Ambient by SST |        |        |        |        |        |
|-----------|------------|--------------------------------------|--------|--------|--------|--------|--------|
|           |            | 0°F                                  | -10°F  | -15°F  | -20°F  | -30°F  | -40°F  |
| CB*0401L6 | 4EES-4     | 27,650                               | 22,340 | 19,900 | 17,570 | 13,330 | 9,660  |
| CB*0551L6 | 4DES-5     | 32,830                               | 26,490 | 23,600 | 20,850 | 15,850 | 11,520 |
| CB*0601L6 | 4CES-6     | 41,580                               | 32,940 | 29,040 | 25,410 | 18,940 | 13,510 |
| CB*0611L6 | 4VES-7     | 41,070                               | 32,030 | 27,930 | 24,040 | 17,260 | 11,570 |
| CB*0751L6 | 4TES-9     | 50,200                               | 39,660 | 34,840 | 30,300 | 22,270 | 15,460 |
| CB*1001L6 | 4PES-12    | 55,370                               | 43,360 | 37,730 | 32,580 | 23,460 | 15,670 |
| CB*1201L6 | 4NES-14    | 70,360                               | 55,160 | 48,270 | 41,880 | 30,600 | 21,120 |
| CB*1301L6 | 4JE-15     | 81,780                               | 65,010 | 57,190 | 50,020 | 36,890 | 25,570 |

### NOTES:

\*= T for Outdoors, N for Indoors, S for Beacon II™

HEAD FAN REQUIRED

# PERFORMANCE DATA: HORIZONTAL AIR DISCHARGE CONDENSING UNIT

## Low Temperature R-407A/R-407F

| Model     | Compressor | Capacity BTUH @ 90°F Ambient by SST |        |        |        |        |        |
|-----------|------------|-------------------------------------|--------|--------|--------|--------|--------|
|           |            | 0°F                                 | -10°F  | -15°F  | -20°F  | -30°F  | -40°F  |
| CB*0401L6 | 4EES-4     | 32,510                              | 25,100 | 21,810 | 18,770 | 13,360 | 8,760  |
| CB*0551L6 | 4DES-5     | 38,010                              | 29,300 | 25,470 | 21,900 | 15,570 | 10,190 |
| CB*0601L6 | 4CES-6     | 48,730                              | 37,560 | 32,670 | 28,140 | 20,190 | 13,480 |
| CB*0611L6 | 4VES-7 †   | 48,530                              | 36,830 | 31,640 | 26,810 | 18,400 | 11,260 |
| CB*0751L6 | 4TES-9 †   | 60,230                              | 46,360 | 40,160 | 34,430 | 24,220 | 15,550 |
| CB*1001L6 | 4PES-12 †  | 67,190                              | 51,220 | 44,070 | 37,400 | 25,700 | 15,770 |
| CB*1201L6 | 4NES-14 †  | 83,520                              | 63,700 | 54,920 | 46,850 | 32,640 | 20,640 |
| CB*1301L6 | 4JE-15 †   | 92,240                              | 70,350 | 60,460 | 51,300 | 34,880 | 20,580 |

| Model     | Compressor | Capacity BTUH @ 95°F Ambient by SST |        |        |        |        |        |
|-----------|------------|-------------------------------------|--------|--------|--------|--------|--------|
|           |            | 0°F                                 | -10°F  | -15°F  | -20°F  | -30°F  | -40°F  |
| CB*0401L6 | 4EES-4     | 30,910                              | 23,790 | 20,640 | 17,730 | 12,540 | 8,150  |
| CB*0551L6 | 4DES-5     | 36,110                              | 27,800 | 24,090 | 20,660 | 14,600 | 9,460  |
| CB*0601L6 | 4CES-6     | 46,450                              | 35,710 | 31,020 | 26,670 | 19,040 | 12,630 |
| CB*0611L6 | 4VES-7 †   | 45,960                              | 34,750 | 29,780 | 25,140 | 17,110 | 10,270 |
| CB*0751L6 | 4TES-9 †   | 57,160                              | 43,960 | 38,010 | 32,500 | 22,720 | 14,440 |
| CB*1001L6 | 4PES-12 †  | 63,540                              | 48,320 | 41,470 | 35,060 | 23,870 | 14,390 |
| CB*1201L6 | 4NES-14 †  | 79,310                              | 60,350 | 51,910 | 44,170 | 30,550 | 19,100 |
| CB*1301L6 | 4JE-15 †   | 87,630                              | 66,580 | 57,100 | 48,300 | 32,560 | 18,920 |

| Model     | Compressor | Capacity BTUH @ 100°F Ambient by SST |        |        |        |        |        |
|-----------|------------|--------------------------------------|--------|--------|--------|--------|--------|
|           |            | 0°F                                  | -10°F  | -15°F  | -20°F  | -30°F  | -40°F  |
| CB*0401L6 | 4EES-4     | 29,340                               | 22,500 | 19,490 | 16,690 | 11,730 | 7,550  |
| CB*0551L6 | 4DES-5     | 34,230                               | 26,270 | 22,720 | 19,440 | 13,630 | 8,750  |
| CB*0601L6 | 4CES-6     | 44,190                               | 33,930 | 29,380 | 25,210 | 17,910 | 11,790 |
| CB*0611L6 | 4VES-7 †   | 43,420                               | 32,700 | 27,880 | 23,480 | 15,810 | 9,300  |
| CB*0751L6 | 4TES-9 †   | 54,310                               | 41,580 | 35,880 | 30,600 | 21,240 | 13,340 |
| CB*1001L6 | 4PES-12 †  | 60,110                               | 45,450 | 38,820 | 32,750 | 22,090 | 13,040 |
| CB*1201L6 | 4NES-14 †  | 75,170                               | 57,020 | 48,930 | 41,470 | 28,490 | 17,580 |
| CB*1301L6 | 4JE-15 †   | 82,970                               | 62,860 | 53,770 | 45,340 | 30,280 | 17,290 |

| Model     | Compressor | Capacity BTUH @ 110°F Ambient by SST |        |        |        |        |        |
|-----------|------------|--------------------------------------|--------|--------|--------|--------|--------|
|           |            | 0°F                                  | -10°F  | -15°F  | -20°F  | -30°F  | -40°F  |
| CB*0401L6 | 4EES-4     | 26,260                               | 20,010 | 17,230 | 14,670 | 10,150 | 6,370  |
| CB*0551L6 | 4DES-5     | 30,560                               | 23,290 | 20,040 | 17,020 | 11,760 | 7,350  |
| CB*0601L6 | 4CES-6     | 39,710                               | 30,340 | 26,180 | 22,360 | 15,690 | 10,150 |
| CB*0611L6 | 4VES-7 †   | 38,390                               | 28,650 | 24,240 | 20,240 | 13,290 | —      |
| CB*0751L6 | 4TES-9 †   | 48,420                               | 36,870 | 31,660 | 26,820 | 18,340 | 11,200 |
| CB*1001L6 | 4PES-12 †  | 53,090                               | 39,810 | 33,750 | 28,230 | 18,570 | 10,430 |
| CB*1201L6 | 4NES-14 †  | 67,010                               | 50,460 | 43,070 | 36,250 | 24,460 | 14,610 |
| CB*1301L6 | 4JE-15 †   | 74,220                               | 55,620 | 47,300 | 39,540 | 25,880 | 14,160 |

### NOTES:

\*= T for Outdoors, N for Indoors, S for Beacon II™

Head Fan Required for all operating conditions

Maximum Suction Gas Superheat ≤35°F

† Liquid Injection via CIC is required at all operating conditions

# PERFORMANCE DATA: HORIZONTAL AIR DISCHARGE CONDENSING UNIT

## Low Temperature R-407C

| Model     | Compressor | Capacity BTUH @ 90°F Ambient by SST |        |       |       |       |       |
|-----------|------------|-------------------------------------|--------|-------|-------|-------|-------|
|           |            | 0°F                                 | -10°F  | -15°F | -20°F | -30°F | -40°F |
| CB*0401L6 | 4EES-4     | 28,120                              | 21,310 | —     | —     | —     | —     |
| CB*0551L6 | 4DES-5     | 33,710                              | 25,640 | —     | —     | —     | —     |
| CB*0601L6 | 4CES-6     | 42,900                              | 32,690 | —     | —     | —     | —     |
| CB*0611L6 | 4VES-7     | 43,680                              | 32,950 | —     | —     | —     | —     |
| CB*0751L6 | 4TES-9     | 53,490                              | 40,740 | —     | —     | —     | —     |
| CB*1001L6 | 4PES-12    | 59,570                              | 44,830 | —     | —     | —     | —     |
| CB*1201L6 | 4NES-14    | 73,730                              | 55,620 | —     | —     | —     | —     |
| CB*1301L6 | 4JE-15     | 80,880                              | 60,320 | —     | —     | —     | —     |

| Model     | Compressor | Capacity BTUH @ 95°F Ambient by SST |        |       |       |       |       |
|-----------|------------|-------------------------------------|--------|-------|-------|-------|-------|
|           |            | 0°F                                 | -10°F  | -15°F | -20°F | -30°F | -40°F |
| CB*0401L6 | 4EES-4     | 26,790                              | 20,200 | —     | —     | —     | —     |
| CB*0551L6 | 4DES-5     | 32,160                              | 24,380 | —     | —     | —     | —     |
| CB*0601L6 | 4CES-6     | 41,070                              | 31,190 | —     | —     | —     | —     |
| CB*0611L6 | 4VES-7     | 41,540                              | 31,220 | —     | —     | —     | —     |
| CB*0751L6 | 4TES-9     | 50,980                              | 38,730 | —     | —     | —     | —     |
| CB*1001L6 | 4PES-12    | 56,620                              | 42,450 | —     | —     | —     | —     |
| CB*1201L6 | 4NES-14    | 70,260                              | 52,840 | —     | —     | —     | —     |
| CB*1301L6 | 4JE-15     | 76,930                              | 57,050 | —     | —     | —     | —     |

| Model     | Compressor | Capacity BTUH @ 100°F Ambient by SST |        |       |       |       |       |
|-----------|------------|--------------------------------------|--------|-------|-------|-------|-------|
|           |            | 0°F                                  | -10°F  | -15°F | -20°F | -30°F | -40°F |
| CB*0401L6 | 4EES-4     | 25,430                               | 19,120 | —     | —     | —     | —     |
| CB*0551L6 | 4DES-5     | 30,550                               | 23,120 | —     | —     | —     | —     |
| CB*0601L6 | 4CES-6     | 39,160                               | 29,680 | —     | —     | —     | —     |
| CB*0611L6 | 4VES-7     | 39,410                               | 29,540 | —     | —     | —     | —     |
| CB*0751L6 | 4TES-9     | 48,550                               | 36,730 | —     | —     | —     | —     |
| CB*1001L6 | 4PES-12    | 53,630                               | 40,010 | —     | —     | —     | —     |
| CB*1201L6 | 4NES-14    | 66,790                               | 50,040 | —     | —     | —     | —     |
| CB*1301L6 | 4JE-15     | 73,050                               | 53,890 | —     | —     | —     | —     |

| Model     | Compressor | Capacity BTUH @ 110°F Ambient by SST |       |       |       |       |       |
|-----------|------------|--------------------------------------|-------|-------|-------|-------|-------|
|           |            | 0°F                                  | -10°F | -15°F | -20°F | -30°F | -40°F |
| CB*0401L6 | 4EES-4     | 22,800                               | —     | —     | —     | —     | —     |
| CB*0551L6 | 4DES-5     | 27,500                               | —     | —     | —     | —     | —     |
| CB*0601L6 | 4CES-6     | 35,470                               | —     | —     | —     | —     | —     |
| CB*0611L6 | 4VES-7     | 35,210                               | —     | —     | —     | —     | —     |
| CB*0751L6 | 4TES-9     | 43,590                               | —     | —     | —     | —     | —     |
| CB*1001L6 | 4PES-12    | 47,520                               | —     | —     | —     | —     | —     |
| CB*1201L6 | 4NES-14    | 59,770                               | —     | —     | —     | —     | —     |
| CB*1301L6 | 4JE-15     | 65,520                               | —     | —     | —     | —     | —     |

### NOTES:

\*= T for Outdoors, N for Indoors, S for Beacon II™

HEAD FAN REQUIRED

# PERFORMANCE DATA: HORIZONTAL AIR DISCHARGE CONDENSING UNIT

## Low Temperature R-448A/R-449A

| Model     | Compressor | Capacity BTUH @ 90°F Ambient by SST |        |        |        |        |        |
|-----------|------------|-------------------------------------|--------|--------|--------|--------|--------|
|           |            | 0°F                                 | -10°F  | -15°F  | -20°F  | -30°F  | -40°F  |
| CB*0401L6 | 4EES-4     | 32,320                              | 24,970 | 21,750 | 18,790 | 13,560 | 9,160  |
| CB*0551L6 | 4DES-5     | 37,790                              | 29,180 | 25,420 | 21,940 | 15,840 | 10,680 |
| CB*0601L6 | 4CES-6     | 48,210                              | 37,190 | 32,410 | 28,020 | 20,380 | 13,980 |
| CB*0611L6 | 4VES-7     | 48,150                              | 36,600 | 31,550 | 26,910 | 18,960 | 12,270 |
| CB*0751L6 | 4TES-9     | 58,980                              | 45,430 | 39,410 | 33,920 | 24,300 | 16,290 |
| CB*1001L6 | 4PES-12    | 65,880                              | 50,300 | 43,370 | 37,020 | 26,050 | 16,920 |
| CB*1201L6 | 4NES-14    | 82,490                              | 63,000 | 54,520 | 46,830 | 33,470 | 22,420 |
| CB*1301L6 | 4JE-15     | 95,620                              | 73,800 | 64,230 | 55,390 | 39,840 | 26,630 |

| Model     | Compressor | Capacity BTUH @ 95°F Ambient by SST |        |        |        |        |        |
|-----------|------------|-------------------------------------|--------|--------|--------|--------|--------|
|           |            | 0°F                                 | -10°F  | -15°F  | -20°F  | -30°F  | -40°F  |
| CB*0401L6 | 4EES-4     | 30,880                              | 23,740 | 20,640 | 17,800 | 12,780 | 8,570  |
| CB*0551L6 | 4DES-5     | 36,020                              | 27,770 | 24,120 | 20,780 | 14,910 | 9,970  |
| CB*0601L6 | 4CES-6     | 46,090                              | 35,500 | 30,860 | 26,630 | 19,280 | 13,150 |
| CB*0611L6 | 4VES-7     | 45,780                              | 34,670 | 29,810 | 25,340 | 17,700 | —      |
| CB*0751L6 | 4TES-9     | 56,240                              | 43,150 | 37,380 | 32,100 | 22,850 | —      |
| CB*1001L6 | 4PES-12    | 62,580                              | 47,510 | 40,890 | 34,780 | 24,310 | —      |
| CB*1201L6 | 4NES-14    | 78,400                              | 59,800 | 51,650 | 44,220 | 31,430 | —      |
| CB*1301L6 | 4JE-15     | 91,320                              | 70,270 | 61,050 | 52,520 | 37,510 | —      |

| Model     | Compressor | Capacity BTUH @ 100°F Ambient by SST |        |        |        |        |        |
|-----------|------------|--------------------------------------|--------|--------|--------|--------|--------|
|           |            | 0°F                                  | -10°F  | -15°F  | -20°F  | -30°F  | -40°F  |
| CB*0401L6 | 4EES-4     | 29,400                               | 22,530 | 19,560 | 16,830 | 12,010 | 7,990  |
| CB*0551L6 | 4DES-5     | 34,270                               | 26,340 | 22,840 | 19,590 | 13,990 | 9,280  |
| CB*0601L6 | 4CES-6     | 43,990                               | 33,790 | 29,330 | 25,270 | 18,210 | 12,330 |
| CB*0611L6 | 4VES-7     | 43,430                               | 32,760 | 28,050 | 23,790 | 16,460 | —      |
| CB*0751L6 | 4TES-9     | 53,500                               | 40,910 | 35,360 | 30,250 | 21,420 | —      |
| CB*1001L6 | 4PES-12    | 59,270                               | 44,770 | 38,360 | 32,560 | 22,550 | —      |
| CB*1201L6 | 4NES-14    | 74,400                               | 56,590 | 48,780 | 41,640 | 29,390 | —      |
| CB*1301L6 | 4JE-15     | 87,020                               | 66,830 | 57,890 | 49,660 | 35,200 | —      |

| Model     | Compressor | Capacity BTUH @ 110°F Ambient by SST |        |        |        |        |        |
|-----------|------------|--------------------------------------|--------|--------|--------|--------|--------|
|           |            | 0°F                                  | -10°F  | -15°F  | -20°F  | -30°F  | -40°F  |
| CB*0401L6 | 4EES-4     | 26,490                               | 20,200 | 17,450 | 14,910 | 10,510 | 6,850  |
| CB*0551L6 | 4DES-5     | 30,820                               | 23,540 | 20,320 | 17,340 | 12,210 | 7,910  |
| CB*0601L6 | 4CES-6     | 39,830                               | 30,450 | 26,330 | 22,560 | 16,100 | 10,750 |
| CB*0611L6 | 4VES-7     | 38,880                               | 28,980 | 24,670 | 20,750 | 14,040 | —      |
| CB*0751L6 | 4TES-9     | 48,000                               | 36,490 | 31,390 | 26,680 | 18,600 | —      |
| CB*1001L6 | 4PES-12    | 52,430                               | 39,300 | 33,490 | 28,200 | 19,110 | —      |
| CB*1201L6 | 4NES-14    | 66,520                               | 50,180 | 42,970 | 36,500 | 25,350 | —      |
| CB*1301L6 | 4JE-15     | 78,460                               | 59,880 | 51,600 | 44,000 | 30,610 | —      |

### NOTES:

\*= T for Outdoors, N for Indoors, S for Beacon II™

Head Fan Required for all operating conditions

Maximum Suction Gas Superheat ≤35°F

# ELECTRICAL DATA: HORIZONTAL AIR DISCHARGE CONDENSING UNIT

## 208-230 Volts

| Model      | Compressor Model | Condensing Unit |       |           |     |     |                          |       | Remote Loads ‡                                |                    |                  |      |
|------------|------------------|-----------------|-------|-----------|-----|-----|--------------------------|-------|-----------------------------------------------|--------------------|------------------|------|
|            |                  | Compressor      |       | Condenser |     |     | Air Defrost or Beacon II |       | Evap. Fan Amps                                | Defrost Htrs. Amps | Electric Defrost |      |
|            |                  | RLA             | LRA   | No. Fans  | HP  | FLA | MCA                      | MOPD  |                                               |                    | MCA              | MOPD |
| CB*0551M6C | 4EES-6           | 31.0            | 163.0 | 2         | 1/3 | 5.4 | 45.0                     | 70.0  | Contact Factory for System Electrical Ratings |                    |                  |      |
| CB*0751M6C | 4DES-7           | 34.2            | 215.0 | 2         | 1/3 | 5.4 | 49.0                     | 80.0  |                                               |                    |                  |      |
| CB*0911M6C | 4CES-9           | 37.8            | 215.0 | 2         | 3/4 | 8.8 | 56.0                     | 90.0  |                                               |                    |                  |      |
| CB*1001M6C | 4VES-10          | 42.5            | 222.0 | 2         | 3/4 | 8.8 | 62.0                     | 100.0 |                                               |                    |                  |      |
| CB*0401L6C | 4EES-4           | 22.2            | 142.0 | 1         | 1/3 | 2.7 | 31.0                     | 50.0  |                                               |                    |                  |      |
| CB*0551L6C | 4DES-5           | 22.8            | 163.0 | 1         | 1/3 | 2.7 | 32.0                     | 50.0  |                                               |                    |                  |      |
| CB*0601L6C | 4CES-6           | 27.6            | 215.0 | 2         | 1/3 | 5.4 | 40.0                     | 60.0  |                                               |                    |                  |      |
| CB*0611L6C | 4VES-7           | 26.9            | 150.0 | 2         | 1/3 | 5.4 | 40.0                     | 60.0  |                                               |                    |                  |      |
| CB*0751L6C | 4TES-9           | 31.2            | 180.0 | 2         | 1/3 | 5.4 | 45.0                     | 70.0  |                                               |                    |                  |      |
| CB*1001L6C | 4PES-12          | 38.3            | 222.0 | 2         | 1/3 | 5.4 | 54.0                     | 90.0  |                                               |                    |                  |      |
| CB*1201L6C | 4NES-14          | 44.0            | 252.0 | 2         | 3/4 | 8.8 | 64.0                     | 100.0 |                                               |                    |                  |      |
| CB*1301L6C | 4JE-15           | 55.3            | 352.0 | 2         | 3/4 | 8.8 | 78.0                     | 125.0 |                                               |                    |                  |      |

## 460 Volts

| Model      | Compressor Model | Condensing Unit |       |           |     |     |                          |      | Remote Loads ‡                                |                    |                  |      |
|------------|------------------|-----------------|-------|-----------|-----|-----|--------------------------|------|-----------------------------------------------|--------------------|------------------|------|
|            |                  | Compressor      |       | Condenser |     |     | Air Defrost or Beacon II |      | Evap. Fan Amps                                | Defrost Htrs. Amps | Electric Defrost |      |
|            |                  | RLA             | LRA   | No. Fans  | HP  | FLA | MCA                      | MOPD |                                               |                    | MCA              | MOPD |
| CB*0551M6C | 4EES-6           | 13.4            | 66.5  | 2         | 1/3 | 3.8 | 21.0                     | 30.0 | Contact Factory for System Electrical Ratings |                    |                  |      |
| CB*0751M6C | 4DES-7           | 15.3            | 88.0  | 2         | 1/3 | 3.8 | 23.0                     | 35.0 |                                               |                    |                  |      |
| CB*0911M6C | 4CES-9           | 17.1            | 88.0  | 2         | 3/4 | 4.4 | 26.0                     | 40.0 |                                               |                    |                  |      |
| CB*1001M6C | 4VES-10          | 19.2            | 111.0 | 2         | 3/4 | 4.4 | 29.0                     | 45.0 |                                               |                    |                  |      |
| CB*0401L6C | 4EES-4           | 9.2             | 58.0  | 1         | 1/3 | 1.9 | 15.0                     | 20.0 |                                               |                    |                  |      |
| CB*0551L6C | 4DES-5           | 10.8            | 66.5  | 1         | 1/3 | 1.9 | 20.0                     | 25.0 |                                               |                    |                  |      |
| CB*0601L6C | 4CES-6           | 14.2            | 88.0  | 2         | 1/3 | 3.8 | 22.0                     | 35.0 |                                               |                    |                  |      |
| CB*0611L6C | 4VES-7           | 12.2            | 75.0  | 2         | 1/3 | 3.8 | 20.0                     | 30.0 |                                               |                    |                  |      |
| CB*0751L6C | 4TES-9           | 14.1            | 90.0  | 2         | 1/3 | 3.8 | 22.0                     | 35.0 |                                               |                    |                  |      |
| CB*1001L6C | 4PES-12          | 17.3            | 111.0 | 2         | 1/3 | 3.8 | 26.0                     | 40.0 |                                               |                    |                  |      |
| CB*1201L6C | 4NES-14          | 19.9            | 126.0 | 2         | 3/4 | 4.4 | 30.0                     | 45.0 |                                               |                    |                  |      |
| CB*1301L6C | 4JE-15           | 25.0            | 176.0 | 2         | 3/4 | 4.4 | 36.0                     | 60.0 |                                               |                    |                  |      |

### NOTES:

\* = T for Outdoor, N for Indoor, S for Beacon II

‡ = Condensing unit data plate ratings will be based on actual system match. Ratings shown at 60Hz. Consult factory for 50Hz applications.

# ELECTRICAL DATA: HORIZONTAL AIR DISCHARGE CONDENSING UNIT

## 575 Volts

| Model      | Compressor Model | Condensing Unit |       |           |     |     |                          |      | Remote Loads ‡                                |                    |                  |      |
|------------|------------------|-----------------|-------|-----------|-----|-----|--------------------------|------|-----------------------------------------------|--------------------|------------------|------|
|            |                  | Compressor      |       | Condenser |     |     | Air Defrost or Beacon II |      | Evap. Fan Amps                                | Defrost Htrs. Amps | Electric Defrost |      |
|            |                  | RLA             | LRA   | No. Fans  | HP  | FLA | MCA                      | MOPD |                                               |                    | MCA              | MOPD |
| CB*0551M6C | 4EES-6           | 9.4             | 48.0  | 2         | 1/3 | 2.4 | 15.0                     | 20.0 | Contact Factory for System Electrical Ratings |                    |                  |      |
| CB*0751M6C | 4DES-7           | 11.0            | 63.5  | 2         | 1/3 | 2.4 | 20.0                     | 25.0 |                                               |                    |                  |      |
| CB*0911M6C | 4CES-9           | 13.7            | 63.5  | 2         | 3/4 | 3.6 | 21.0                     | 30.0 |                                               |                    |                  |      |
| CB*1001M6C | 4VES-10          | 15.4            | 89.0  | 2         | 3/4 | 3.6 | 23.0                     | 35.0 |                                               |                    |                  |      |
| CB*0401L6C | 4EES-4           | 7.4             | 41.5  | 1         | 1/3 | 1.2 | 15.0                     | 15.0 |                                               |                    |                  |      |
| CB*0551L6C | 4DES-5           | 9.0             | 48.0  | 1         | 1/3 | 1.2 | 15.0                     | 20.0 |                                               |                    |                  |      |
| CB*0601L6C | 4CES-6           | 11.2            | 63.5  | 2         | 1/3 | 2.4 | 20.0                     | 25.0 |                                               |                    |                  |      |
| CB*0611L6C | 4VES-7           | 9.6             | 60.0  | 2         | 1/3 | 2.4 | 15.0                     | 20.0 |                                               |                    |                  |      |
| CB*0751L6C | 4TES-9           | 12.2            | 72.0  | 2         | 1/3 | 2.4 | 20.0                     | 25.0 |                                               |                    |                  |      |
| CB*1001L6C | 4PES-12          | 14.4            | 89.0  | 2         | 1/3 | 2.4 | 21.0                     | 30.0 |                                               |                    |                  |      |
| CB*1201L6C | 4NES-14          | 15.9            | 101.0 | 2         | 3/4 | 3.6 | 24.0                     | 35.0 |                                               |                    |                  |      |
| CB*1301L6C | 4JE-15           | 20.0            | 140.0 | 2         | 3/4 | 3.6 | 29.0                     | 45.0 |                                               |                    |                  |      |

### NOTES:

\* = T for Outdoor, N for Indoor, S for Beacon II

‡ = Condensing unit data plate ratings will be based on actual system match.

Ratings shown at 60Hz. Consult factory for 50Hz applications.

# UNIT SPECIFICATIONS: HORIZONTAL AIR DISCHARGE CONDENSING UNIT

## Unit Specifications

| Model      | Compressor | HP   | Refrigerant Line Connections (OD) |         | Rec. Capacity @90% full (lbs) |      | Dimensions (In.) |        |        | Net Wt. Lbs. |
|------------|------------|------|-----------------------------------|---------|-------------------------------|------|------------------|--------|--------|--------------|
|            |            |      | Liquid                            | Suction | Std.                          | Opt. | Length           | Width  | Height |              |
| CB*0551M6C | 4EES-6     | 5.5  | 5/8                               | 1 1/8   | 67                            | 78   | 36-3/4           | 63-3/4 | 39-1/4 | 823          |
| CB*0751M6C | 4DES-7     | 7.5  | 5/8                               | 1 1/8   | 67                            | 78   | 36-3/4           | 63-3/4 | 39-1/4 | 862          |
| CB*0911M6C | 4CES-9     | 9.0  | 7/8                               | 1 3/8   | 67                            | 87   | 41-3/4           | 75-1/8 | 48-3/4 | 993          |
| CB*1001M6C | 4VES-10    | 10.0 | 7/8                               | 1 3/8   | 67                            | 87   | 41-3/4           | 75-1/8 | 48-3/4 | 1,101        |
| CB*0401L6C | 4EES-4     | 4.0  | 1/2                               | 1 1/8   | 28                            | 52   | 36-3/4           | 51-3/4 | 39-1/4 | 595          |
| CB*0551L6C | 4DES-5     | 5.5  | 1/2                               | 1 1/8   | 28                            | 52   | 36-3/4           | 51-3/4 | 39-1/4 | 645          |
| CB*0601L6C | 4CES-6     | 6.0  | 5/8                               | 1 1/8   | 67                            | 78   | 36-3/4           | 63-3/4 | 39-1/4 | 775          |
| CB*0611L6C | 4VES-7     | 6.5  | 5/8                               | 1 1/8   | 67                            | 78   | 36-3/4           | 63-3/4 | 39-1/4 | 865          |
| CB*0751L6C | 4TES-9     | 7.5  | 5/8                               | 1 3/8   | 67                            | 78   | 36-3/4           | 63-3/4 | 39-1/4 | 935          |
| CB*1001L6C | 4PES-12    | 10.0 | 5/8                               | 1 3/8   | 67                            | 78   | 36-3/4           | 63-3/4 | 39-1/4 | 1,000        |
| CB*1201L6C | 4NES-14    | 12.0 | 7/8                               | 1 3/8   | 67                            | 87   | 41-3/4           | 75-1/8 | 48-3/4 | 1,082        |
| CB*1301L6C | 4JE-15     | 13.0 | 7/8                               | 1 5/8   | 67                            | 87   | 41-3/4           | 75-1/8 | 48-3/4 | 1,173        |

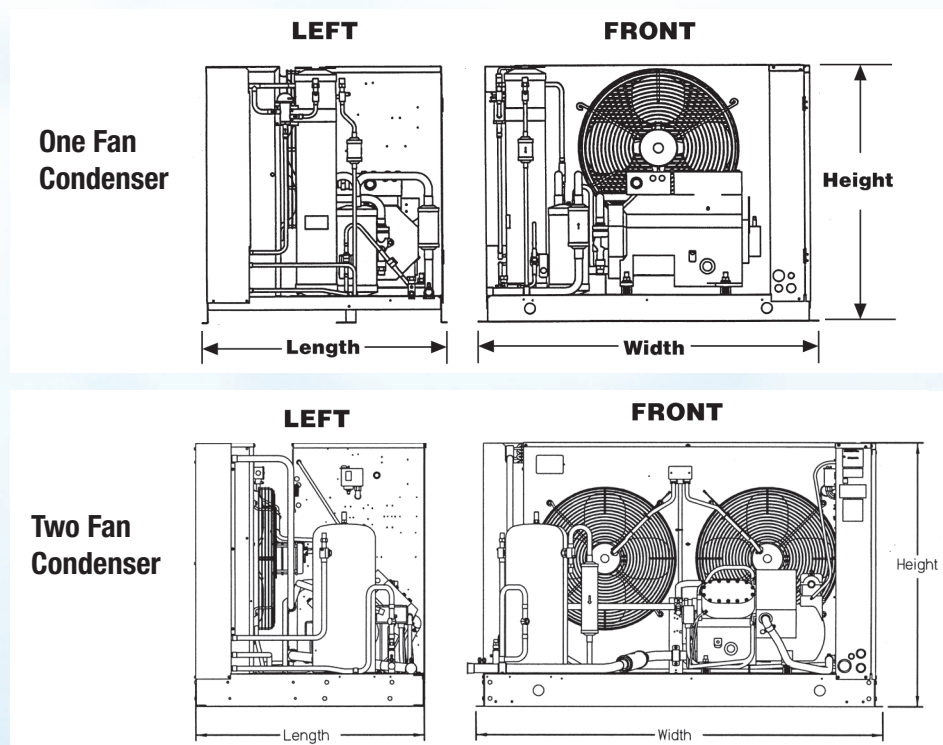
NOTES:

\* = T for Outdoor, N for Indoor, S for Beacon II

## AWEF VALUES:

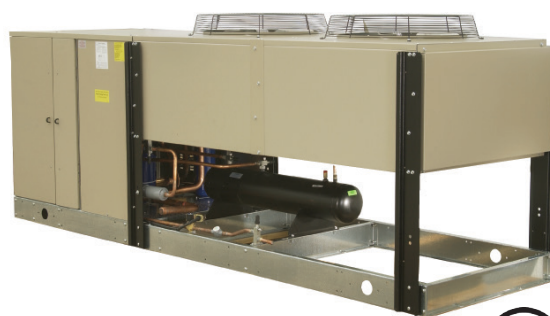
### MEDIUM TEMPERATURE CONDENSING UNITS

| Model     | Indoor            |                   |        |                   | Outdoor/Beacon II |                   |        |                   |
|-----------|-------------------|-------------------|--------|-------------------|-------------------|-------------------|--------|-------------------|
|           | R-404A/<br>R-507A | R-407A/<br>R-407F | R-407C | R-448A/<br>R-449A | R-404A/<br>R-507A | R-407A/<br>R-407F | R-407C | R-448A/<br>R-449A |
| CB*0551M6 | 6.37              | 6.44              | 6.79   | 6.52              | 9.68              | 8.89              | 9.04   | 8.47              |
| CB*0751M6 | 6.16              | 6.24              | 6.53   | 6.33              | 9.35              | 8.63              | 8.74   | 8.24              |
| CB*0901M6 | 6.30              | 6.35              | 6.62   | 6.40              | 9.43              | 8.62              | 8.75   | 8.22              |
| CB*1001M6 | 6.57              | 6.65              | 6.88   | 6.74              | 9.79              | 9.04              | 9.15   | 8.71              |



## Standard and Optional Features

- Floating Tube™ coil design
- Adjustable head pressure control
- Designed for use with R-404A, R-507, R-407A, R-407C, R-407F, R-448A, R-449A
- Prebent copper tubes minimize welded joints on internal piping
- Fixed high pressure switch eliminates capillary tubes
- Oil safety control
- Bitzer compressors with POE oil
- Spring mounted compressor with suction and discharge vibration eliminators
- Crankcase heater
- Thermally protected, permanently lubricated ball bearing condenser fan motors
- Separate subcooling circuit in condenser for added capacity and vapor-free liquid
- Receivers are sized for sufficient pumpdown capacity with inlet and outlet service valves
- Pressure relief valve on receiver
- Sealed liquid line filter drier and sight glass
- Electrical controls, including compressor contactor and optional defrost control, are located in easily accessible control box with a hinged cover
- Service Mate™ module to assist troubleshooting
- Pumpdown Switch
- Cabinet is constructed from prepainted galvanized steel
- Convenient access panels for easy servicing to internal components



## Factory-Installed Options

- Compressor unloading
- Replaceable core liquid filter drier
- Liquid line solenoid valve
- Suction filter
- Replaceable core suction filter
- Suction accumulator
- Oil separator with discharge line check valve
- Air defrost timer
- Electric defrost kits, including timer, evaporator fan contactor with fusing, defrost heater contactor(s), lockout relay and terminal strip
- Fusing for defrost kits
- Evaporator holdout relays for systems with multiple electric defrost evaporators
- Low ambient kit with heated and insulated receiver with time delay
- Fused disconnect switch
- Non-fused disconnect switch
- Phase-loss protection
- Manual-reset high pressure switch
- Anti-short cycle timer
- Compressor circuit breakers
- Condenser fan cycling (standard on BDVS)
- Three-way heat reclaim valve (n/a on BDVS)
- Coated condenser coils for protection against corrosion in harsh environments
- Beacon II™ compatible

## Nomenclature

| C                   | D                     | V                   | 130B       | L             | 6                 | D                |
|---------------------|-----------------------|---------------------|------------|---------------|-------------------|------------------|
| Brand               | Head Pressure Control | Airflow             | Horsepower | Temperature   | Refrigerant       | Voltage          |
| C = Climate Control | D = Beacon II™        | V = Vertical        | 130B - 13  | L - Low Temp  | 6 = R-404A, R-507 | C = 208-230/3/60 |
|                     |                       |                     | 150B - 15  | M - Med. Temp | R-407A            | D = 460/3/60     |
|                     |                       | VS= Vertical Beacon | 200B - 20  |               | R-407C            | E = 575/3/60     |
|                     |                       |                     | 220B - 22  |               | R-407F            |                  |
|                     |                       |                     | 250B - 25  |               | R-448A            |                  |
|                     |                       |                     | 300B - 30  |               | R-449A            |                  |
|                     |                       |                     | 330B - 33  |               |                   |                  |
|                     |                       |                     | 350B - 35  |               |                   |                  |
|                     |                       |                     | 400B - 40  |               |                   |                  |
|                     |                       |                     | 500B - 50  |               |                   |                  |

# PERFORMANCE DATA: SINGLE VERTICAL AIR DISCHARGE CONDENSING UNIT

## Medium Temperature R-404A/R-507

| Model      | Compressor | Capacity BTUH @ 90°F Ambient by SST |         |         |         |         |         |
|------------|------------|-------------------------------------|---------|---------|---------|---------|---------|
|            |            | 40°F                                | 30°F    | 25°F    | 20°F    | 15°F    | 5°F     |
| CDV*150BM6 | 4PES-15    | 187,710                             | 156,540 | 141,700 | 127,560 | 114,550 | 90,850  |
| CDV*200BM6 | 4NES-20    | 224,520                             | 187,550 | 170,070 | 153,350 | 138,000 | 110,040 |
| CDV*220BM6 | 4JE-22     | 247,330                             | 208,030 | 188,950 | 171,180 | 154,470 | 123,830 |
| CDV*250BM6 | 4HE-25     | 287,850                             | 242,860 | 221,580 | 201,140 | 181,650 | 146,580 |
| CDV*300BM6 | 4GE-30     | 337,020                             | 283,160 | 258,040 | 233,950 | 211,590 | 170,530 |
| CDV*330BM6 | 6JE-33     | 372,630                             | 311,810 | 283,160 | 255,600 | 230,290 | 184,070 |
| CDV*350BM6 | 6HE-35     | 413,810                             | 349,120 | 318,960 | 290,250 | 262,710 | 212,380 |
| CDV*400BM6 | 6GE-40     | 488,380                             | 412,160 | 375,980 | 341,100 | 308,770 | 249,380 |
| CDV*500BM6 | 6FE-50     | 583,880                             | 496,220 | 453,480 | 412,790 | 373,960 | 303,470 |

| Model      | Compressor | Capacity BTUH @ 95°F Ambient by SST |         |         |         |         |         |
|------------|------------|-------------------------------------|---------|---------|---------|---------|---------|
|            |            | 40°F                                | 30°F    | 25°F    | 20°F    | 15°F    | 5°F     |
| CDV*150BM6 | 4PES-15    | 178,420                             | 148,770 | 134,550 | 121,120 | 108,730 | 86,060  |
| CDV*200BM6 | 4NES-20    | 213,740                             | 178,560 | 161,800 | 146,110 | 131,310 | 104,530 |
| CDV*220BM6 | 4JE-22     | 235,440                             | 198,120 | 180,010 | 162,940 | 146,990 | 117,700 |
| CDV*250BM6 | 4HE-25     | 273,870                             | 231,630 | 210,770 | 191,440 | 172,990 | 139,470 |
| CDV*300BM6 | 4GE-30     | 320,910                             | 269,980 | 245,840 | 223,150 | 201,620 | 162,400 |
| CDV*330BM6 | 6JE-33     | 355,320                             | 297,110 | 269,790 | 243,880 | 219,430 | 175,040 |
| CDV*350BM6 | 6HE-35     | 393,690                             | 332,470 | 303,790 | 276,390 | 250,040 | 202,110 |
| CDV*400BM6 | 6GE-40     | 464,920                             | 392,280 | 357,980 | 325,030 | 294,280 | 237,610 |
| CDV*500BM6 | 6FE-50     | 555,280                             | 472,310 | 431,260 | 392,940 | 356,300 | 289,190 |

| Model      | Compressor | Capacity BTUH @ 100°F Ambient by SST |         |         |         |         |         |
|------------|------------|--------------------------------------|---------|---------|---------|---------|---------|
|            |            | 40°F                                 | 30°F    | 25°F    | 20°F    | 15°F    | 5°F     |
| CDV*150BM6 | 4PES-15    | 169,060                              | 141,060 | 127,420 | 114,830 | 102,910 | 81,270  |
| CDV*200BM6 | 4NES-20    | 202,840                              | 169,540 | 153,580 | 138,710 | 124,620 | 99,080  |
| CDV*220BM6 | 4JE-22     | 223,430                              | 188,040 | 170,920 | 154,780 | 139,490 | 111,540 |
| CDV*250BM6 | 4HE-25     | 259,800                              | 219,860 | 200,430 | 181,780 | 164,440 | 132,350 |
| CDV*300BM6 | 4GE-30     | 304,610                              | 256,420 | 233,500 | 212,020 | 191,520 | 154,200 |
| CDV*330BM6 | 6JE-33     | 337,820                              | 282,480 | 256,450 | 231,850 | 208,490 | 165,990 |
| CDV*350BM6 | 6HE-35     | 373,190                              | 315,520 | 288,810 | 262,210 | 237,340 | 191,770 |
| CDV*400BM6 | 6GE-40     | 441,150                              | 372,470 | 340,020 | 309,120 | 279,650 | 225,730 |
| CDV*500BM6 | 6FE-50     | 526,050                              | 447,940 | 409,760 | 373,080 | 338,650 | 274,700 |

| Model      | Compressor | Capacity BTUH @ 110°F Ambient by SST |         |         |         |         |         |
|------------|------------|--------------------------------------|---------|---------|---------|---------|---------|
|            |            | 40°F                                 | 30°F    | 25°F    | 20°F    | 15°F    | 5°F     |
| CDV*150BM6 | 4PES-15    | 150,500                              | 125,110 | 113,340 | 101,980 | 91,300  | 71,720  |
| CDV*200BM6 | 4NES-20    | 181,140                              | 151,130 | 137,240 | 123,830 | 111,200 | 88,120  |
| CDV*220BM6 | 4JE-22     | 198,980                              | 167,840 | 152,640 | 138,090 | 124,390 | 99,180  |
| CDV*250BM6 | 4HE-25     | 231,060                              | 195,690 | 178,600 | 162,390 | 146,590 | 118,010 |
| CDV*300BM6 | 4GE-30     | 271,650                              | 229,040 | 208,820 | 189,390 | 171,120 | 137,530 |
| CDV*330BM6 | 6JE-33     | 302,540                              | 252,840 | 229,810 | 207,480 | 186,340 | 147,690 |
| CDV*350BM6 | 6HE-35     | 331,460                              | 281,160 | 256,920 | 233,810 | 211,910 | 170,870 |
| CDV*400BM6 | 6GE-40     | 393,230                              | 332,370 | 303,860 | 276,190 | 249,950 | 201,550 |
| CDV*500BM6 | 6FE-50     | 466,490                              | 398,690 | 364,700 | 332,990 | 302,260 | 245,260 |

### NOTES:

CDV\* = CDV is Adjustable Head Pressure Control, CDVS is Beacon II  
For 50 cycle capacity, multiply values by .86

# PERFORMANCE DATA: SINGLE VERTICAL AIR DISCHARGE CONDENSING UNIT

## Medium Temperature R-407A/R-407F

| Model      | Compressor | Capacity BTUH @ 90°F Ambient by SST |         |         |         |         |         |
|------------|------------|-------------------------------------|---------|---------|---------|---------|---------|
|            |            | 40°F                                | 30°F    | 25°F    | 20°F    | 15°F    | 5°F     |
| CDV*150BM6 | 4PES-15    | 187,090                             | 152,750 | 137,070 | 122,260 | 108,780 | 84,690  |
| CDV*200BM6 | 4NES-20    | 221,990                             | 181,360 | 162,730 | 145,380 | 129,530 | 101,180 |
| CDV*220BM6 | 4JE-22     | 243,880                             | 199,750 | 179,190 | 160,240 | 142,710 | 111,250 |
| CDV*250BM6 | 4HE-25     | 281,350                             | 230,530 | 206,880 | 184,950 | 164,520 | 128,370 |
| CDV*300BM6 | 4GE-30     | 335,370                             | 274,540 | 246,560 | 220,580 | 196,830 | 154,200 |
| CDV*330BM6 | 6JE-33     | 368,980                             | 301,640 | 270,650 | 241,720 | 215,150 | 167,560 |
| CDV*350BM6 | 6HE-35     | 418,430                             | 344,840 | 311,210 | 278,980 | 249,050 | 195,750 |
| CDV*400BM6 | 6GE-40     | 500,870                             | 410,690 | 369,460 | 330,550 | 294,710 | 231,070 |
| CDV*500BM6 | 6FE-50     | 591,560                             | 486,110 | 436,860 | 391,440 | 349,170 | 273,950 |

| Model      | Compressor | Capacity BTUH @ 95°F Ambient by SST |         |         |         |         |         |
|------------|------------|-------------------------------------|---------|---------|---------|---------|---------|
|            |            | 40°F                                | 30°F    | 25°F    | 20°F    | 15°F    | 5°F     |
| CDV*150BM6 | 4PES-15    | 179,050                             | 145,950 | 130,920 | 116,760 | 103,780 | 80,570  |
| CDV*200BM6 | 4NES-20    | 212,790                             | 173,610 | 155,780 | 139,060 | 123,790 | 96,470  |
| CDV*220BM6 | 4JE-22     | 233,720                             | 191,200 | 171,650 | 153,080 | 136,200 | 105,850 |
| CDV*250BM6 | 4HE-25     | 269,590                             | 220,610 | 197,950 | 176,650 | 157,140 | 122,110 |
| CDV*300BM6 | 4GE-30     | 321,970                             | 263,250 | 236,300 | 211,460 | 188,350 | 147,200 |
| CDV*330BM6 | 6JE-33     | 353,720                             | 288,630 | 258,890 | 230,910 | 205,390 | 159,450 |
| CDV*350BM6 | 6HE-35     | 401,120                             | 330,330 | 297,900 | 266,600 | 237,990 | 186,620 |
| CDV*400BM6 | 6GE-40     | 480,790                             | 393,590 | 353,940 | 316,610 | 282,190 | 220,570 |
| CDV*500BM6 | 6FE-50     | 567,590                             | 466,120 | 418,600 | 374,820 | 334,030 | 261,410 |

| Model      | Compressor | Capacity BTUH @ 100°F Ambient by SST |         |         |         |         |         |
|------------|------------|--------------------------------------|---------|---------|---------|---------|---------|
|            |            | 40°F                                 | 30°F    | 25°F    | 20°F    | 15°F    | 5°F     |
| CDV*150BM6 | 4PES-15    | 171,150                              | 139,430 | 124,870 | 111,220 | 98,780  | 76,440  |
| CDV*200BM6 | 4NES-20    | 203,630                              | 166,040 | 148,810 | 132,870 | 118,050 | 91,750  |
| CDV*220BM6 | 4JE-22     | 223,530                              | 182,440 | 163,660 | 145,930 | 129,700 | 100,480 |
| CDV*250BM6 | 4HE-25     | 257,800                              | 210,690 | 189,020 | 168,350 | 149,620 | 115,880 |
| CDV*300BM6 | 4GE-30     | 308,530                              | 251,930 | 226,080 | 202,160 | 179,890 | 140,230 |
| CDV*330BM6 | 6JE-33     | 338,400                              | 275,760 | 247,080 | 220,450 | 195,620 | 151,370 |
| CDV*350BM6 | 6HE-35     | 383,740                              | 315,830 | 284,580 | 254,750 | 226,940 | 177,550 |
| CDV*400BM6 | 6GE-40     | 460,430                              | 377,000 | 338,620 | 302,620 | 269,530 | 210,130 |
| CDV*500BM6 | 6FE-50     | 543,510                              | 445,770 | 400,420 | 358,230 | 318,930 | 249,000 |

| Model      | Compressor | Capacity BTUH @ 110°F Ambient by SST |         |         |         |         |         |
|------------|------------|--------------------------------------|---------|---------|---------|---------|---------|
|            |            | 40°F                                 | 30°F    | 25°F    | 20°F    | 15°F    | 5°F     |
| CDV*150BM6 | 4PES-15    | 155,520                              | 126,200 | 112,760 | 100,380 | 88,810  | 68,260  |
| CDV*200BM6 | 4NES-20    | 185,490                              | 150,750 | 134,890 | 120,270 | 106,610 | 82,400  |
| CDV*220BM6 | 4JE-22     | 203,220                              | 165,670 | 148,080 | 131,930 | 116,830 | 89,850  |
| CDV*250BM6 | 4HE-25     | 234,200                              | 191,000 | 170,770 | 152,120 | 134,690 | 103,560 |
| CDV*300BM6 | 4GE-30     | 281,600                              | 229,510 | 205,860 | 183,660 | 163,090 | 126,430 |
| CDV*330BM6 | 6JE-33     | 308,170                              | 250,230 | 223,920 | 199,190 | 176,250 | 135,400 |
| CDV*350BM6 | 6HE-35     | 349,050                              | 287,360 | 258,080 | 230,600 | 205,290 | 159,590 |
| CDV*400BM6 | 6GE-40     | 420,660                              | 343,850 | 308,020 | 275,080 | 244,330 | 189,440 |
| CDV*500BM6 | 6FE-50     | 495,450                              | 405,360 | 364,190 | 325,170 | 289,160 | 224,380 |

### NOTES:

CDV\* = CDV is Adjustable Head Pressure Control, CDVS is Beacon II  
For 50 cycle capacity, multiply values by .86

# PERFORMANCE DATA: SINGLE VERTICAL AIR DISCHARGE CONDENSING UNIT

## Medium Temperature R-407C

| Model      | Compressor | Capacity BTUH @ 90°F Ambient by SST |         |         |         |         |         |
|------------|------------|-------------------------------------|---------|---------|---------|---------|---------|
|            |            | 40°F                                | 30°F    | 25°F    | 20°F    | 15°F    | 5°F     |
| CDV*150BM6 | 4PES-15    | 168,520                             | 136,570 | 122,030 | 108,640 | 96,240  | 74,460  |
| CDV*200BM6 | 4NES-20    | 199,570                             | 161,700 | 144,740 | 128,990 | 114,380 | 88,820  |
| CDV*220BM6 | 4JE-22     | 222,760                             | 180,000 | 160,590 | 142,820 | 126,210 | 97,020  |
| CDV*250BM6 | 4HE-25     | 262,110                             | 212,640 | 190,020 | 169,240 | 150,040 | 115,780 |
| CDV*300BM6 | 4GE-30     | 311,920                             | 253,200 | 226,700 | 202,330 | 179,790 | 139,830 |
| CDV*330BM6 | 6JE-33     | 327,130                             | 264,270 | 236,030 | 210,190 | 186,350 | 144,270 |
| CDV*350BM6 | 6HE-35     | 374,610                             | 305,480 | 273,630 | 244,480 | 217,670 | 169,870 |
| CDV*400BM6 | 6GE-40     | 453,430                             | 368,820 | 330,480 | 295,200 | 263,010 | 205,860 |
| CDV*500BM6 | 6FE-50     | 531,120                             | 431,020 | 386,160 | 344,480 | 306,450 | 238,920 |

| Model      | Compressor | Capacity BTUH @ 95°F Ambient by SST |         |         |         |         |         |
|------------|------------|-------------------------------------|---------|---------|---------|---------|---------|
|            |            | 40°F                                | 30°F    | 25°F    | 20°F    | 15°F    | 5°F     |
| CDV*150BM6 | 4PES-15    | 161,830                             | 130,810 | 116,930 | 104,010 | 92,020  | 71,010  |
| CDV*200BM6 | 4NES-20    | 191,870                             | 155,230 | 138,900 | 123,560 | 109,550 | 84,900  |
| CDV*220BM6 | 4JE-22     | 214,180                             | 172,940 | 154,200 | 136,880 | 120,780 | 92,540  |
| CDV*250BM6 | 4HE-25     | 252,290                             | 204,240 | 182,530 | 162,470 | 143,760 | 110,790 |
| CDV*300BM6 | 4GE-30     | 300,880                             | 244,040 | 218,390 | 194,810 | 172,970 | 134,240 |
| CDV*330BM6 | 6JE-33     | 314,690                             | 253,920 | 226,840 | 201,710 | 178,690 | 138,060 |
| CDV*350BM6 | 6HE-35     | 360,420                             | 293,700 | 263,310 | 234,790 | 208,910 | 162,860 |
| CDV*400BM6 | 6GE-40     | 437,340                             | 355,420 | 318,530 | 284,400 | 253,320 | 198,110 |
| CDV*500BM6 | 6FE-50     | 511,620                             | 415,050 | 371,550 | 331,250 | 294,560 | 229,360 |

| Model      | Compressor | Capacity BTUH @ 100°F Ambient by SST |         |         |         |         |         |
|------------|------------|--------------------------------------|---------|---------|---------|---------|---------|
|            |            | 40°F                                 | 30°F    | 25°F    | 20°F    | 15°F    | 5°F     |
| CDV*150BM6 | 4PES-15    | 155,310                              | 125,140 | 111,810 | 99,240  | 87,760  | 67,550  |
| CDV*200BM6 | 4NES-20    | 184,320                              | 148,900 | 133,030 | 118,200 | 104,690 | 80,960  |
| CDV*220BM6 | 4JE-22     | 205,600                              | 165,650 | 147,670 | 130,790 | 115,340 | 88,060  |
| CDV*250BM6 | 4HE-25     | 242,440                              | 196,280 | 175,030 | 155,710 | 137,600 | 105,720 |
| CDV*300BM6 | 4GE-30     | 289,780                              | 234,840 | 210,210 | 187,250 | 166,130 | 128,630 |
| CDV*330BM6 | 6JE-33     | 302,120                              | 243,480 | 217,400 | 193,160 | 170,940 | 131,700 |
| CDV*350BM6 | 6HE-35     | 346,110                              | 281,820 | 252,380 | 224,980 | 200,140 | 155,790 |
| CDV*400BM6 | 6GE-40     | 421,110                              | 342,040 | 306,440 | 273,720 | 243,530 | 190,280 |
| CDV*500BM6 | 6FE-50     | 491,950                              | 398,960 | 356,780 | 317,960 | 282,570 | 219,740 |

| Model      | Compressor | Capacity BTUH @ 110°F Ambient by SST |         |         |         |         |         |
|------------|------------|--------------------------------------|---------|---------|---------|---------|---------|
|            |            | 40°F                                 | 30°F    | 25°F    | 20°F    | 15°F    | 5°F     |
| CDV*150BM6 | 4PES-15    | 141,710                              | 113,990 | 101,520 | 89,830  | 79,210  | 60,580  |
| CDV*200BM6 | 4NES-20    | 168,470                              | 135,950 | 121,070 | 107,430 | 95,030  | 72,940  |
| CDV*220BM6 | 4JE-22     | 188,470                              | 151,420 | 134,640 | 118,880 | 104,590 | 79,080  |
| CDV*250BM6 | 4HE-25     | 222,750                              | 179,730 | 160,330 | 142,040 | 125,290 | 95,650  |
| CDV*300BM6 | 4GE-30     | 267,290                              | 216,410 | 193,520 | 172,130 | 152,430 | 117,370 |
| CDV*330BM6 | 6JE-33     | 276,970                              | 222,690 | 198,370 | 175,890 | 155,340 | 119,030 |
| CDV*350BM6 | 6HE-35     | 317,280                              | 257,560 | 230,610 | 205,610 | 182,500 | 141,590 |
| CDV*400BM6 | 6GE-40     | 388,300                              | 315,040 | 282,240 | 251,770 | 223,820 | 174,540 |
| CDV*500BM6 | 6FE-50     | 452,160                              | 365,960 | 327,040 | 291,400 | 258,440 | 200,360 |

### NOTES:

CDV\* = CDV is Adjustable Head Pressure Control, CDVS is Beacon II  
For 50 cycle capacity, multiply values by .86

# PERFORMANCE DATA: SINGLE VERTICAL AIR DISCHARGE CONDENSING UNIT

## Medium Temperature R-448A/R-449A

| Model      | Compressor | Capacity BTUH @ 90°F Ambient by SST |         |         |         |         |         |
|------------|------------|-------------------------------------|---------|---------|---------|---------|---------|
|            |            | 40°F                                | 30°F    | 25°F    | 20°F    | 15°F    | 5°F     |
| CDV*150BM6 | 4PES-15    | 185,080                             | 149,830 | 133,760 | 118,900 | 105,410 | 81,600  |
| CDV*200BM6 | 4NES-20    | 221,250                             | 179,430 | 160,620 | 143,100 | 127,180 | 99,120  |
| CDV*220BM6 | 4JE-22     | 244,650                             | 199,890 | 179,250 | 160,280 | 142,720 | 111,840 |
| CDV*250BM6 | 4HE-25     | 285,720                             | 234,410 | 210,680 | 188,850 | 168,600 | 132,860 |
| CDV*300BM6 | 4GE-30     | 332,180                             | 271,830 | 244,420 | 218,980 | 195,710 | 154,320 |
| CDV*330BM6 | 6JE-33     | 366,630                             | 298,120 | 267,220 | 238,400 | 212,170 | 165,700 |
| CDV*350BM6 | 6HE-35     | 412,310                             | 339,140 | 305,780 | 274,000 | 245,030 | 193,480 |
| CDV*400BM6 | 6GE-40     | 482,370                             | 395,550 | 356,330 | 319,620 | 285,720 | 225,900 |
| CDV*500BM6 | 6FE-50     | 580,300                             | 478,860 | 431,790 | 388,140 | 347,570 | 275,560 |

| Model      | Compressor | Capacity BTUH @ 95°F Ambient by SST |         |         |         |         |         |
|------------|------------|-------------------------------------|---------|---------|---------|---------|---------|
|            |            | 40°F                                | 30°F    | 25°F    | 20°F    | 15°F    | 5°F     |
| CDV*150BM6 | 4PES-15    | 177,590                             | 143,460 | 128,040 | 113,690 | 100,690 | 77,710  |
| CDV*200BM6 | 4NES-20    | 212,680                             | 172,390 | 154,140 | 137,330 | 121,870 | 94,770  |
| CDV*220BM6 | 4JE-22     | 235,260                             | 192,040 | 172,310 | 153,750 | 136,890 | 106,920 |
| CDV*250BM6 | 4HE-25     | 274,750                             | 225,290 | 202,480 | 181,330 | 161,770 | 127,290 |
| CDV*300BM6 | 4GE-30     | 319,390                             | 261,340 | 234,840 | 210,450 | 187,890 | 147,960 |
| CDV*330BM6 | 6JE-33     | 353,110                             | 286,890 | 256,830 | 228,910 | 203,480 | 158,450 |
| CDV*350BM6 | 6HE-35     | 396,530                             | 326,030 | 293,840 | 263,160 | 235,150 | 185,370 |
| CDV*400BM6 | 6GE-40     | 463,880                             | 380,440 | 342,510 | 307,110 | 274,630 | 216,720 |
| CDV*500BM6 | 6FE-50     | 557,670                             | 460,190 | 415,150 | 372,950 | 333,840 | 264,490 |

| Model      | Compressor | Capacity BTUH @ 100°F Ambient by SST |         |         |         |         |         |
|------------|------------|--------------------------------------|---------|---------|---------|---------|---------|
|            |            | 40°F                                 | 30°F    | 25°F    | 20°F    | 15°F    | 5°F     |
| CDV*150BM6 | 4PES-15    | 170,100                              | 137,210 | 122,340 | 108,630 | 95,980  | 73,850  |
| CDV*200BM6 | 4NES-20    | 204,150                              | 165,390 | 147,700 | 131,500 | 116,580 | 90,440  |
| CDV*220BM6 | 4JE-22     | 225,860                              | 184,180 | 165,020 | 147,210 | 130,950 | 101,990 |
| CDV*250BM6 | 4HE-25     | 263,700                              | 216,150 | 194,080 | 173,780 | 155,050 | 121,680 |
| CDV*300BM6 | 4GE-30     | 306,550                              | 250,600 | 225,180 | 201,740 | 180,020 | 141,550 |
| CDV*330BM6 | 6JE-33     | 339,860                              | 275,370 | 246,410 | 219,570 | 194,790 | 151,190 |
| CDV*350BM6 | 6HE-35     | 380,610                              | 312,850 | 281,750 | 252,400 | 225,210 | 177,220 |
| CDV*400BM6 | 6GE-40     | 445,300                              | 365,230 | 328,600 | 294,530 | 263,260 | 207,480 |
| CDV*500BM6 | 6FE-50     | 534,870                              | 441,430 | 398,240 | 357,600 | 320,030 | 253,310 |

| Model      | Compressor | Capacity BTUH @ 110°F Ambient by SST |         |         |         |         |         |
|------------|------------|--------------------------------------|---------|---------|---------|---------|---------|
|            |            | 40°F                                 | 30°F    | 25°F    | 20°F    | 15°F    | 5°F     |
| CDV*150BM6 | 4PES-15    | 155,420                              | 124,880 | 111,040 | 98,410  | 86,720  | 66,190  |
| CDV*200BM6 | 4NES-20    | 187,340                              | 151,240 | 134,900 | 119,940 | 106,130 | 81,850  |
| CDV*220BM6 | 4JE-22     | 206,950                              | 168,260 | 150,640 | 134,260 | 119,070 | 92,120  |
| CDV*250BM6 | 4HE-25     | 241,550                              | 197,560 | 177,500 | 158,620 | 141,340 | 110,450 |
| CDV*300BM6 | 4GE-30     | 280,640                              | 229,200 | 205,970 | 184,230 | 164,170 | 128,650 |
| CDV*330BM6 | 6JE-33     | 312,460                              | 252,680 | 225,530 | 200,580 | 177,430 | 136,610 |
| CDV*350BM6 | 6HE-35     | 349,130                              | 286,630 | 257,610 | 230,430 | 205,290 | 160,830 |
| CDV*400BM6 | 6GE-40     | 407,890                              | 334,230 | 300,540 | 269,350 | 240,340 | 188,760 |
| CDV*500BM6 | 6FE-50     | 489,020                              | 403,290 | 363,800 | 326,600 | 292,350 | 230,650 |

### NOTES:

CDV\* = CDV is Adjustable Head Pressure Control, CDVS is Beacon II  
For 50 cycle capacity, multiply values by .86

# PERFORMANCE DATA: SINGLE VERTICAL AIR DISCHARGE CONDENSING UNIT

## Low Temperature R-404A/R-507

| Model      | Compressor | Capacity BTUH @ 90°F Ambient by SST |         |         |         |         |        |
|------------|------------|-------------------------------------|---------|---------|---------|---------|--------|
|            |            | 0°F                                 | -10°F   | -15°F   | -20°F   | -30°F   | -40°F  |
| CDV*130BL6 | 4JE-15     | 108,820                             | 86,040  | 75,780  | 66,300  | 49,460  | 35,180 |
| CDV*150BL6 | 4HE-18     | 127,070                             | 101,180 | 89,440  | 78,550  | 59,150  | 42,630 |
| CDV*200BL6 | 4GE-23     | 147,000                             | 117,660 | 104,510 | 92,210  | 70,220  | 51,280 |
| CDV*220BL6 | 6JE-25     | 160,970                             | 127,460 | 112,350 | 98,380  | 73,670  | 52,770 |
| CDV*250BL6 | 6HE-28     | 189,030                             | 150,040 | 132,590 | 116,420 | 87,720  | 63,360 |
| CDV*300BL6 | 6GE-34     | 218,180                             | 176,210 | 156,900 | 138,900 | 106,750 | 78,910 |
| CDV*400BL6 | 6FE-44     | 264,630                             | 212,120 | 188,520 | 166,340 | 126,600 | 92,100 |

| Model      | Compressor | Capacity BTUH @ 95°F Ambient by SST |         |         |         |         |        |
|------------|------------|-------------------------------------|---------|---------|---------|---------|--------|
|            |            | 0°F                                 | -10°F   | -15°F   | -20°F   | -30°F   | -40°F  |
| CDV*130BL6 | 4JE-15     | 103,400                             | 81,630  | 71,810  | 62,640  | 46,560  | 32,900 |
| CDV*150BL6 | 4HE-18     | 120,880                             | 96,120  | 84,890  | 74,470  | 55,910  | 40,090 |
| CDV*200BL6 | 4GE-23     | 139,750                             | 111,880 | 99,380  | 87,640  | 66,650  | 48,530 |
| CDV*220BL6 | 6JE-25     | 153,110                             | 120,970 | 106,440 | 93,080  | 69,380  | 49,400 |
| CDV*250BL6 | 6HE-28     | 179,840                             | 142,560 | 125,850 | 110,380 | 82,870  | 59,500 |
| CDV*300BL6 | 6GE-34     | 207,990                             | 167,670 | 149,230 | 132,240 | 101,490 | 74,790 |
| CDV*400BL6 | 6FE-44     | 251,860                             | 201,870 | 179,380 | 158,150 | 119,920 | 86,780 |

| Model      | Compressor | Capacity BTUH @ 100°F Ambient by SST |         |         |         |         |        |
|------------|------------|--------------------------------------|---------|---------|---------|---------|--------|
|            |            | 0°F                                  | -10°F   | -15°F   | -20°F   | -30°F   | -40°F  |
| CDV*130BL6 | 4JE-15     | 97,940                               | 77,200  | 67,820  | 59,060  | 43,680  | 30,620 |
| CDV*150BL6 | 4HE-18     | 114,730                              | 91,030  | 80,330  | 70,400  | 52,670  | 37,570 |
| CDV*200BL6 | 4GE-23     | 132,430                              | 106,040 | 94,220  | 83,020  | 63,020  | 45,810 |
| CDV*220BL6 | 6JE-25     | 145,090                              | 114,390 | 100,570 | 87,700  | 65,090  | 46,020 |
| CDV*250BL6 | 6HE-28     | 170,310                              | 135,040 | 119,100 | 104,310 | 78,010  | 55,700 |
| CDV*300BL6 | 6GE-34     | 197,250                              | 159,030 | 141,770 | 125,490 | 96,150  | 70,610 |
| CDV*400BL6 | 6FE-44     | 238,570                              | 191,700 | 170,120 | 149,870 | 113,270 | 81,420 |

| Model      | Compressor | Capacity BTUH @ 110°F Ambient by SST |         |         |         |        |        |
|------------|------------|--------------------------------------|---------|---------|---------|--------|--------|
|            |            | 0°F                                  | -10°F   | -15°F   | -20°F   | -30°F  | -40°F  |
| CDV*130BL6 | 4JE-15     | 87,140                               | 68,370  | 59,790  | 51,920  | 37,970 | 26,150 |
| CDV*150BL6 | 4HE-18     | 101,770                              | 80,810  | 71,200  | 62,160  | 46,250 | 32,640 |
| CDV*200BL6 | 4GE-23     | 117,750                              | 94,490  | 83,790  | 73,820  | 55,900 | 40,430 |
| CDV*220BL6 | 6JE-25     | 128,890                              | 101,370 | 88,750  | 77,140  | 56,620 | 39,350 |
| CDV*250BL6 | 6HE-28     | 151,540                              | 119,900 | 105,540 | 92,060  | 68,300 | 48,070 |
| CDV*300BL6 | 6GE-34     | 175,320                              | 141,550 | 126,280 | 111,710 | 85,230 | 62,110 |
| CDV*400BL6 | 6FE-44     | 212,730                              | 170,690 | 151,310 | 133,070 | 99,800 | 70,680 |

### NOTES:

CDV\* = CDV is Adjustable Head Pressure Control, CDVS is Beacon II

HEAD FAN REQUIRED

For 50 cycle capacity, multiply values by .86

# PERFORMANCE DATA: SINGLE VERTICAL AIR DISCHARGE CONDENSING UNIT

## Low Temperature R-407A/R-407F

| Model      | Compressor | Capacity BTUH @ 90°F Ambient by SST |         |         |         |        |        |
|------------|------------|-------------------------------------|---------|---------|---------|--------|--------|
|            |            | 0°F                                 | -10°F   | -15°F   | -20°F   | -30°F  | -40°F  |
| CDV*130BL6 | 4JE-15     | 96,230                              | 72,800  | 62,330  | 52,620  | 35,520 | 20,840 |
| CDV*150BL6 | 4HE-18     | 113,950                             | 86,860  | 74,740  | 63,540  | 43,590 | 26,450 |
| CDV*200BL6 | 4GE-23     | 134,170                             | 103,300 | 89,550  | 76,730  | 53,850 | 34,010 |
| CDV*220BL6 | 6JE-25     | 143,350                             | 108,490 | 92,900  | 78,430  | 52,930 | 31,050 |
| CDV*250BL6 | 6HE-28     | 171,870                             | 130,820 | 112,500 | 95,590  | 65,540 | 39,750 |
| CDV*300BL6 | 6GE-34     | 194,650                             | 148,750 | 128,200 | 109,210 | 75,290 | 46,020 |
| CDV*400BL6 | 6FE-44     | 237,250                             | 181,560 | 156,680 | 133,660 | 92,670 | 57,330 |

| Model      | Compressor | Capacity BTUH @ 95°F Ambient by SST |         |         |         |        |        |
|------------|------------|-------------------------------------|---------|---------|---------|--------|--------|
|            |            | 0°F                                 | -10°F   | -15°F   | -20°F   | -30°F  | -40°F  |
| CDV*130BL6 | 4JE-15     | 91,620                              | 68,970  | 58,900  | 49,560  | 33,170 | 19,160 |
| CDV*150BL6 | 4HE-18     | 108,620                             | 82,530  | 70,870  | 60,110  | 40,970 | 24,590 |
| CDV*200BL6 | 4GE-23     | 128,310                             | 98,620  | 85,290  | 72,970  | 51,000 | 32,030 |
| CDV*220BL6 | 6JE-25     | 136,300                             | 102,760 | 87,780  | 73,860  | 49,430 | —      |
| CDV*250BL6 | 6HE-28     | 163,800                             | 124,310 | 106,690 | 90,430  | 61,590 | 36,960 |
| CDV*300BL6 | 6GE-34     | 185,560                             | 141,370 | 121,630 | 103,370 | 70,830 | 42,870 |
| CDV*400BL6 | 6FE-44     | 226,650                             | 172,870 | 148,910 | 126,780 | 87,450 | —      |

| Model      | Compressor | Capacity BTUH @ 100°F Ambient by SST |         |         |         |        |        |
|------------|------------|--------------------------------------|---------|---------|---------|--------|--------|
|            |            | 0°F                                  | -10°F   | -15°F   | -20°F   | -30°F  | -40°F  |
| CDV*130BL6 | 4JE-15     | 86,970                               | 65,180  | 55,450  | 46,550  | 30,900 | 17,510 |
| CDV*150BL6 | 4HE-18     | 103,320                              | 78,250  | 67,050  | 56,650  | 38,380 | 22,760 |
| CDV*200BL6 | 4GE-23     | 122,410                              | 93,880  | 81,090  | 69,250  | 48,210 | 30,070 |
| CDV*220BL6 | 6JE-25     | 129,300                              | 97,090  | 82,610  | 69,350  | 46,020 | 26,080 |
| CDV*250BL6 | 6HE-28     | 155,820                              | 117,870 | 100,920 | 85,250  | 57,710 | —      |
| CDV*300BL6 | 6GE-34     | 176,410                              | 134,100 | 115,130 | 97,610  | 66,460 | 39,780 |
| CDV*400BL6 | 6FE-44     | 215,830                              | 164,240 | 141,230 | 119,980 | 82,300 | 50,050 |

| Model      | Compressor | Capacity BTUH @ 110°F Ambient by SST |         |         |         |        |        |
|------------|------------|--------------------------------------|---------|---------|---------|--------|--------|
|            |            | 0°F                                  | -10°F   | -15°F   | -20°F   | -30°F  | -40°F  |
| CDV*130BL6 | 4JE-15     | 77,810                               | 57,760  | 48,820  | 40,670  | 26,430 | 14,360 |
| CDV*150BL6 | 4HE-18     | 92,900                               | 69,860  | 59,570  | 50,040  | 33,370 | 19,230 |
| CDV*200BL6 | 4GE-23     | 110,910                              | 84,630  | 72,870  | 62,020  | 42,770 | 26,320 |
| CDV*220BL6 | 6JE-25     | 115,780                              | 86,020  | 72,710  | 60,580  | 39,350 | 21,370 |
| CDV*250BL6 | 6HE-28     | 140,280                              | 105,230 | 89,690  | 75,310  | 50,190 | 28,930 |
| CDV*300BL6 | 6GE-34     | 158,970                              | 119,880 | 102,460 | 86,320  | 57,980 | 33,850 |
| CDV*400BL6 | 6FE-44     | 194,790                              | 147,390 | 126,230 | 106,760 | 72,320 | 43,110 |

### NOTES:

CDV\* = CDV is Adjustable Head Pressure Control, CDVS is Beacon II Head Fan Required for all operating conditions

Liquid Injection via CIC is required

For 50 cycle capacity, multiply values by .86

# PERFORMANCE DATA: SINGLE VERTICAL AIR DISCHARGE CONDENSING UNIT

## Low Temperature R-407C

| Model      | Compressor | Capacity BTUH @ 90°F Ambient by SST |         |       |       |       |       |
|------------|------------|-------------------------------------|---------|-------|-------|-------|-------|
|            |            | 0°F                                 | -10°F   | -15°F | -20°F | -30°F | -40°F |
| CDV*130BL6 | 4JE-15     | 83,700                              | 61,900  | —     | —     | —     | —     |
| CDV*150BL6 | 4HE-18     | 99,630                              | 74,260  | —     | —     | —     | —     |
| CDV*200BL6 | 4GE-23     | 114,440                             | 85,630  | —     | —     | —     | —     |
| CDV*220BL6 | 6JE-25     | 124,790                             | 92,290  | —     | —     | —     | —     |
| CDV*250BL6 | 6HE-28     | 149,930                             | 111,550 | —     | —     | —     | —     |
| CDV*300BL6 | 6GE-34     | 171,010                             | 127,770 | —     | —     | —     | —     |
| CDV*400BL6 | 6FE-44     | 209,610                             | 157,480 | —     | —     | —     | —     |

| Model      | Compressor | Capacity BTUH @ 95°F Ambient by SST |         |       |       |       |       |
|------------|------------|-------------------------------------|---------|-------|-------|-------|-------|
|            |            | 0°F                                 | -10°F   | -15°F | -20°F | -30°F | -40°F |
| CDV*130BL6 | 4JE-15     | 79,670                              | 58,670  | —     | —     | —     | —     |
| CDV*150BL6 | 4HE-18     | 95,190                              | 70,600  | —     | —     | —     | —     |
| CDV*200BL6 | 4GE-23     | 109,490                             | 81,470  | —     | —     | —     | —     |
| CDV*220BL6 | 6JE-25     | 118,790                             | 87,470  | —     | —     | —     | —     |
| CDV*250BL6 | 6HE-28     | 143,250                             | 106,170 | —     | —     | —     | —     |
| CDV*300BL6 | 6GE-34     | 163,240                             | 121,540 | —     | —     | —     | —     |
| CDV*400BL6 | 6FE-44     | 200,590                             | 150,130 | —     | —     | —     | —     |

| Model      | Compressor | Capacity BTUH @ 100°F Ambient by SST |         |       |       |       |       |
|------------|------------|--------------------------------------|---------|-------|-------|-------|-------|
|            |            | 0°F                                  | -10°F   | -15°F | -20°F | -30°F | -40°F |
| CDV*130BL6 | 4JE-15     | 75,740                               | 55,460  | —     | —     | —     | —     |
| CDV*150BL6 | 4HE-18     | 90,770                               | 67,030  | —     | —     | —     | —     |
| CDV*200BL6 | 4GE-23     | 104,430                              | 77,320  | —     | —     | —     | —     |
| CDV*220BL6 | 6JE-25     | 112,920                              | 82,680  | —     | —     | —     | —     |
| CDV*250BL6 | 6HE-28     | 136,560                              | 100,710 | —     | —     | —     | —     |
| CDV*300BL6 | 6GE-34     | 155,580                              | 115,310 | —     | —     | —     | —     |
| CDV*400BL6 | 6FE-44     | 191,550                              | 142,800 | —     | —     | —     | —     |

| Model      | Compressor | Capacity BTUH @ 110°F Ambient by SST |         |       |       |       |       |
|------------|------------|--------------------------------------|---------|-------|-------|-------|-------|
|            |            | 0°F                                  | -10°F   | -15°F | -20°F | -30°F | -40°F |
| CDV*130BL6 | 4JE-15     | 67,950                               | 49,050  | —     | —     | —     | —     |
| CDV*150BL6 | 4HE-18     | 81,850                               | 59,860  | —     | —     | —     | —     |
| CDV*200BL6 | 4GE-23     | 94,380                               | 69,200  | —     | —     | —     | —     |
| CDV*220BL6 | 6JE-25     | 101,300                              | 73,120  | —     | —     | —     | —     |
| CDV*250BL6 | 6HE-28     | 123,120                              | 89,900  | —     | —     | —     | —     |
| CDV*300BL6 | 6GE-34     | 140,700                              | 103,140 | —     | —     | —     | —     |
| CDV*400BL6 | 6FE-44     | 173,860                              | 128,230 | —     | —     | —     | —     |

### NOTES:

CDV\* = CDV is Adjustable Head Pressure Control, CDVS is Beacon II

HEAD FAN REQUIRED

For 50 cycle capacity, multiply values by .86

# PERFORMANCE DATA: SINGLE VERTICAL AIR DISCHARGE CONDENSING UNIT

## Low Temperature R-448A/R-449A

| Model      | Compressor | Capacity BTUH @ 90°F Ambient by SST |         |         |         |         |        |
|------------|------------|-------------------------------------|---------|---------|---------|---------|--------|
|            |            | 0°F                                 | -10°F   | -15°F   | -20°F   | -30°F   | -40°F  |
| CDV*130BL6 | 4JE-15     | 98,920                              | 75,930  | 65,830  | 56,550  | 40,470  | 26,980 |
| CDV*150BL6 | 4HE-18     | 116,180                             | 89,730  | 78,080  | 67,420  | 48,770  | 33,070 |
| CDV*200BL6 | 4GE-23     | 134,990                             | 105,010 | 91,830  | 79,680  | 58,390  | 40,300 |
| CDV*220BL6 | 6JE-25     | 146,500                             | 112,490 | 97,600  | 83,960  | 60,390  | 40,680 |
| CDV*250BL6 | 6HE-28     | 171,970                             | 132,700 | 115,440 | 99,700  | 72,210  | 49,180 |
| CDV*300BL6 | 6GE-34     | 202,150                             | 158,170 | 138,790 | 120,930 | 89,540  | 62,770 |
| CDV*400BL6 | 6FE-44     | 242,980                             | 189,130 | 165,400 | 143,460 | 104,760 | 71,850 |

| Model      | Compressor | Capacity BTUH @ 95°F Ambient by SST |         |         |         |        |       |
|------------|------------|-------------------------------------|---------|---------|---------|--------|-------|
|            |            | 0°F                                 | -10°F   | -15°F   | -20°F   | -30°F  | -40°F |
| CDV*130BL6 | 4JE-15     | 94,600                              | 72,390  | 62,630  | 53,660  | 38,140 | —     |
| CDV*150BL6 | 4HE-18     | 111,240                             | 85,730  | 74,490  | 64,220  | 46,220 | —     |
| CDV*200BL6 | 4GE-23     | 129,450                             | 100,550 | 87,870  | 76,170  | 55,670 | —     |
| CDV*220BL6 | 6JE-25     | 140,150                             | 107,280 | 92,870  | 79,680  | 56,920 | —     |
| CDV*250BL6 | 6HE-28     | 164,710                             | 126,780 | 110,120 | 94,910  | 68,350 | —     |
| CDV*300BL6 | 6GE-34     | 194,140                             | 151,760 | 133,090 | 115,840 | 85,440 | —     |
| CDV*400BL6 | 6FE-44     | 233,310                             | 181,380 | 158,300 | 137,070 | 99,550 | —     |

| Model      | Compressor | Capacity BTUH @ 100°F Ambient by SST |         |         |         |        |       |
|------------|------------|--------------------------------------|---------|---------|---------|--------|-------|
|            |            | 0°F                                  | -10°F   | -15°F   | -20°F   | -30°F  | -40°F |
| CDV*130BL6 | 4JE-15     | 90,370                               | 68,860  | 59,430  | 50,770  | 35,800 | —     |
| CDV*150BL6 | 4HE-18     | 106,300                              | 81,740  | 70,910  | 61,010  | 43,670 | —     |
| CDV*200BL6 | 4GE-23     | 123,890                              | 96,170  | 83,910  | 72,660  | 52,930 | —     |
| CDV*220BL6 | 6JE-25     | 133,830                              | 102,070 | 88,160  | 75,410  | 53,460 | —     |
| CDV*250BL6 | 6HE-28     | 157,430                              | 120,860 | 104,780 | 90,000  | 64,470 | —     |
| CDV*300BL6 | 6GE-34     | 186,090                              | 145,280 | 127,310 | 110,680 | 81,310 | —     |
| CDV*400BL6 | 6FE-44     | 223,530                              | 173,410 | 151,140 | 130,610 | 94,280 | —     |

| Model      | Compressor | Capacity BTUH @ 110°F Ambient by SST |         |         |         |       |       |
|------------|------------|--------------------------------------|---------|---------|---------|-------|-------|
|            |            | 0°F                                  | -10°F   | -15°F   | -20°F   | -30°F | -40°F |
| CDV*130BL6 | 4JE-15     | 81,810                               | 61,840  | 53,030  | 45,040  | —     | —     |
| CDV*150BL6 | 4HE-18     | 96,440                               | 73,790  | 63,780  | 54,580  | —     | —     |
| CDV*200BL6 | 4GE-23     | 112,880                              | 87,310  | 76,040  | 65,710  | —     | —     |
| CDV*220BL6 | 6JE-25     | 121,390                              | 91,750  | 78,700  | 66,940  | —     | —     |
| CDV*250BL6 | 6HE-28     | 142,860                              | 108,980 | 94,070  | 80,380  | —     | —     |
| CDV*300BL6 | 6GE-34     | 169,590                              | 132,250 | 115,560 | 100,140 | —     | —     |
| CDV*400BL6 | 6FE-44     | 203,530                              | 157,320 | 136,660 | 117,580 | —     | —     |

### NOTES:

CDV\* = CDV is Adjustable Head Pressure Control, CDVS is Beacon II Head Fan Required for all operating conditions

Maximum Suction Gas Superheat <=35°F

For 50 cycle capacity, multiply values by .86

# ELECTRICAL DATA: SINGLE VERTICAL AIR DISCHARGE CONDENSING UNIT

## 208-230 Volts

| Model      | Compressor Model | Condensing Unit |       |           |     |                          |       | Remote Loads ‡                                |                    |                  |      |
|------------|------------------|-----------------|-------|-----------|-----|--------------------------|-------|-----------------------------------------------|--------------------|------------------|------|
|            |                  | Compressor      |       | Condenser |     | Air Defrost or Beacon II |       | Evap. Fan Amps                                | Defrost Htrs. Amps | Electric Defrost |      |
|            |                  | RLA             | LRA   | No. Fans  | FLA | MCA                      | MOPD  |                                               |                    | MCA              | MOPD |
| CDV*150BM6 | 4PES-15          | 53.8            | 294.0 | 2         | 9.6 | 77.0                     | 125.0 | Contact Factory for System Electrical Ratings |                    |                  |      |
| CDV*200BM6 | 4NES-20          | 63.8            | 352.0 | 2         | 14  | 94.0                     | 150.0 |                                               |                    |                  |      |
| CDV*220BM6 | 4JE-22           | 68.1            | 352.0 | 2         | 14  | 100.0                    | 150.0 |                                               |                    |                  |      |
| CDV*250BM6 | 4HE-25           | 83.7            | 436.0 | 2         | 14  | 119.0                    | 200.0 |                                               |                    |                  |      |
| CDV*300BM6 | 4GE-30           | 99.2            | 490.0 | 3         | 21  | 146.0                    | 225.0 |                                               |                    |                  |      |
| CDV*330BM6 | 6JE-33           | 110.6           | 550.0 | 3         | 21  | 160.0                    | 250.0 |                                               |                    |                  |      |
| CDV*350BM6 | 6HE-35           | 116.2           | 550.0 | 3         | 21  | 167.0                    | 250.0 |                                               |                    |                  |      |
| CDV*400BM6 | 6GE-40           | 156.0           | 700.0 | 4         | 28  | 223.0                    | 350.0 |                                               |                    |                  |      |
| CDV*500BM6 | 6FE-50           | 158.8           | 950.0 | 4         | 28  | 227.0                    | 350.0 |                                               |                    |                  |      |
| CDV*130BL6 | 4JE-15           | 55.3            | 352.0 | 2         | 9.6 | 79.0                     | 125.0 |                                               |                    |                  |      |
| CDV*150BL6 | 4HE-18           | 59.8            | 352.0 | 2         | 9.6 | 85.0                     | 125.0 |                                               |                    |                  |      |
| CDV*200BL6 | 4GE-23           | 63.8            | 352.0 | 2         | 9.6 | 90.0                     | 150.0 |                                               |                    |                  |      |
| CDV*220BL6 | 6JE-25           | 78.5            | 490.0 | 2         | 14  | 113.0                    | 175.0 |                                               |                    |                  |      |
| CDV*250BL6 | 6HE-28           | 85.8            | 490.0 | 2         | 14  | 122.0                    | 200.0 |                                               |                    |                  |      |
| CDV*300BL6 | 6GE-34           | 93.6            | 490.0 | 2         | 14  | 131.0                    | 200.0 |                                               |                    |                  |      |
| CDV*400BL6 | 6FE-44           | 107.8           | 700.0 | 3         | 21  | 156.0                    | 250.0 |                                               |                    |                  |      |

## 460/3/60 Volts

| Model      | Compressor Model | Condensing Unit |       |           |      |                          |       | Remote Loads ‡                                |                    |                  |      |
|------------|------------------|-----------------|-------|-----------|------|--------------------------|-------|-----------------------------------------------|--------------------|------------------|------|
|            |                  | Compressor      |       | Condenser |      | Air Defrost or Beacon II |       | Evap. Fan Amps                                | Defrost Htrs. Amps | Electric Defrost |      |
|            |                  | RLA             | LRA   | No. Fans  | FLA  | MCA                      | MOPD  |                                               |                    | MCA              | MOPD |
| CDV*150BM6 | 4PES-15          | 24.4            | 147.0 | 2         | 4.8  | 36.0                     | 50.0  | Contact Factory for System Electrical Ratings |                    |                  |      |
| CDV*200BM6 | 4NES-20          | 28.8            | 176.0 | 2         | 7    | 44.0                     | 70.0  |                                               |                    |                  |      |
| CDV*220BM6 | 4JE-22           | 30.8            | 176.0 | 2         | 7    | 46.0                     | 70.0  |                                               |                    |                  |      |
| CDV*250BM6 | 4HE-25           | 37.8            | 218.0 | 2         | 7    | 55.0                     | 90.0  |                                               |                    |                  |      |
| CDV*300BM6 | 4GE-30           | 44.9            | 245.0 | 3         | 10.5 | 67.0                     | 110.0 |                                               |                    |                  |      |
| CDV*330BM6 | 6JE-33           | 50.0            | 275.0 | 3         | 10.5 | 73.0                     | 110.0 |                                               |                    |                  |      |
| CDV*350BM6 | 6HE-35           | 52.6            | 275.0 | 3         | 10.5 | 77.0                     | 125.0 |                                               |                    |                  |      |
| CDV*400BM6 | 6GE-40           | 70.5            | 350.0 | 4         | 14   | 103.0                    | 150.0 |                                               |                    |                  |      |
| CDV*500BM6 | 6FE-50           | 71.8            | 425.0 | 4         | 14   | 104.0                    | 175.0 |                                               |                    |                  |      |
| CDV*130BL6 | 4JE-15           | 25.0            | 176.0 | 2         | 4.8  | 37.0                     | 60.0  |                                               |                    |                  |      |
| CDV*150BL6 | 4HE-18           | 27.1            | 176.0 | 2         | 4.8  | 39.0                     | 60.0  |                                               |                    |                  |      |
| CDV*200BL6 | 4GE-23           | 28.8            | 176.0 | 2         | 4.8  | 41.0                     | 60.0  |                                               |                    |                  |      |
| CDV*220BL6 | 6JE-25           | 35.5            | 245.0 | 2         | 7    | 52.0                     | 80.0  |                                               |                    |                  |      |
| CDV*250BL6 | 6HE-28           | 38.8            | 245.0 | 2         | 7    | 56.0                     | 90.0  |                                               |                    |                  |      |
| CDV*300BL6 | 6GE-34           | 42.3            | 245.0 | 2         | 7    | 60.0                     | 100.0 |                                               |                    |                  |      |
| CDV*400BL6 | 6FE-44           | 48.7            | 350.0 | 3         | 10.5 | 72.0                     | 110.0 |                                               |                    |                  |      |

### NOTES:

CDV\* = CDV is Adjustable Head Pressure Control, CDVS is Beacon II

‡ = Condensing unit data plate ratings will be based on actual system match.

Ratings shown at 60Hz. Consult factory for 50Hz applications.

Beacon II™ and Air Defrost Units do not carry any of the evaporator fan or heater loads. Power is supplied directly to the evaporators and does not go through the condensing unit.

An evaporator heater hold out relay (option) is recommended when two or more evaporators are connected to a single (BLV/BBV) condensing unit to allow termination on coils that have already defrosted to prevent unnecessary steaming. This option is not needed on Beacon II™ (BDVS) systems wired for a Master / Slave operation. Power is supplied to each Beacon evaporator. Each coil terminates its own defrost. Refrigeration will not start until all coils have terminated defrost.

# ELECTRICAL DATA: SINGLE VERTICAL AIR DISCHARGE CONDENSING UNIT

575/3/60 Volts

| Model      | Compressor Model | Condensing Unit |       |           |      |                          |       | Remote Loads ‡                                   |                    |                  |      |
|------------|------------------|-----------------|-------|-----------|------|--------------------------|-------|--------------------------------------------------|--------------------|------------------|------|
|            |                  | Compressor      |       | Condenser |      | Air Defrost or Beacon II |       | Evap. Fan Amps                                   | Defrost Htrs. Amps | Electric Defrost |      |
|            |                  | RLA             | LRA   | No. Fans  | FLA  | MCA                      | MOPD  |                                                  |                    | MCA              | MOPD |
| CDV*150BM6 | 4PES-15          | 19.6            | 117.0 | 2         | 4.6  | 30.0                     | 45.0  | Contact Factory for<br>System Electrical Ratings |                    |                  |      |
| CDV*200BM6 | 4NES-20          | 23.6            | 140.0 | 2         | 5.6  | 36.0                     | 50.0  |                                                  |                    |                  |      |
| CDV*220BM6 | 4JE-22           | 24.4            | 140.0 | 2         | 5.6  | 37.0                     | 60.0  |                                                  |                    |                  |      |
| CDV*250BM6 | 4HE-25           | 30.1            | 174.0 | 2         | 5.6  | 44.0                     | 70.0  |                                                  |                    |                  |      |
| CDV*300BM6 | 4GE-30           | 35.9            | 196.0 | 3         | 8.4  | 54.0                     | 80.0  |                                                  |                    |                  |      |
| CDV*330BM6 | 6JE-33           | 39.7            | 220.0 | 3         | 8.4  | 59.0                     | 90.0  |                                                  |                    |                  |      |
| CDV*350BM6 | 6HE-35           | 41.7            | 220.0 | 3         | 8.4  | 61.0                     | 100.0 |                                                  |                    |                  |      |
| CDV*400BM6 | 6GE-40           | 56.4            | 280.0 | 4         | 11.2 | 82.0                     | 125.0 |                                                  |                    |                  |      |
| CDV*500BM6 | 6FE-50           | 57.1            | 340.0 | 4         | 11.2 | 83.0                     | 125.0 |                                                  |                    |                  |      |
| CDV*130BL6 | 4JE-15           | 20.0            | 140.0 | 2         | 4.6  | 30.0                     | 45.0  |                                                  |                    |                  |      |
| CDV*150BL6 | 4HE-18           | 21.7            | 140.0 | 2         | 4.6  | 32.0                     | 50.0  |                                                  |                    |                  |      |
| CDV*200BL6 | 4GE-23           | 23.1            | 140.0 | 2         | 4.6  | 34.0                     | 50.0  |                                                  |                    |                  |      |
| CDV*220BL6 | 6JE-25           | 28.4            | 196.0 | 2         | 5.6  | 42.0                     | 60.0  |                                                  |                    |                  |      |
| CDV*250BL6 | 6HE-28           | 31.0            | 196.0 | 2         | 5.6  | 45.0                     | 70.0  |                                                  |                    |                  |      |
| CDV*300BL6 | 6GE-34           | 33.3            | 196.0 | 2         | 5.6  | 48.0                     | 80.0  |                                                  |                    |                  |      |
| CDV*400BL6 | 6FE-44           | 39.1            | 280.0 | 3         | 8.4  | 58.0                     | 90.0  |                                                  |                    |                  |      |

## NOTES:

CDV\* = CDV is Adjustable Head Pressure Control, CDVS is Beacon II

‡ = Condensing unit data plate ratings will be based on actual system match.

Ratings shown at 60Hz. Consult factory for 50Hz applications.

Beacon II™ and Air Defrost Units do not carry any of the evaporator fan or heater loads. Power is supplied directly to the evaporators and does not go through the condensing unit.

An evaporator heater hold out relay (option) is recommended when two or more evaporators are connected to a single (BLV/BBV) condensing unit to allow termination on coils that have already defrosted to prevent unnecessary steaming. This option is not needed on Beacon II™ (BDVS) systems wired for a Master / Slave operation. Power is supplied to each Beacon evaporator. Each coil terminates its own defrost. Refrigeration will not start until all coils have terminated defrost.

# UNIT SPECIFICATIONS: SINGLE VERTICAL AIR DISCHARGE CONDENSING UNIT

## Medium and Low Temperature

| Model      | Compressor | HP   | Refrigerant Line Connections (OD) |         | Rec. Capacity @90% full (lbs) |      | Dimensions (In.) |       |        | Net Wt. Lbs. |
|------------|------------|------|-----------------------------------|---------|-------------------------------|------|------------------|-------|--------|--------------|
|            |            |      | Liquid                            | Suction | Std.                          | Opt. | Length           | Width | Height |              |
| CDV*150BM6 | 4PES-15    | 15.0 | 7/8                               | 1 5/8   | 123                           | 81   | 144              | 44.5  | 55.6   | 1,630        |
| CDV*200BM6 | 4NES-20    | 20.0 | 7/8                               | 1 5/8   | 123                           | 81   | 171              | 44.5  | 55.6   | 1,810        |
| CDV*220BM6 | 4JE-22     | 22.0 | 1 1/8                             | 2 1/8   | 123                           | 81   | 171              | 44.5  | 55.6   | 1,880        |
| CDV*250BM6 | 4HE-25     | 25.0 | 1 1/8                             | 2 1/8   | 123                           | 81   | 171              | 44.5  | 55.6   | 1,900        |
| CDV*300BM6 | 4GE-30     | 30.0 | 1 1/8                             | 2 1/8   | 188                           | 123  | 226              | 44.5  | 55.6   | 2,310        |
| CDV*330BM6 | 6JE-33     | 33.0 | 1 1/8                             | 2 1/8   | 188                           | 123  | 226              | 44.5  | 55.6   | 2,320        |
| CDV*350BM6 | 6HE-35     | 35.0 | 1 1/8                             | 2 1/8   | 188                           | 123  | 226              | 44.5  | 55.6   | 2,320        |
| CDV*400BM6 | 6GE-40     | 40.0 | 1 1/8                             | 2 1/8   | 188                           | 123  | 281              | 44.5  | 55.6   | 2,870        |
| CDV*500BM6 | 6FE-50     | 50.0 | 1 1/8                             | 2 1/8   | 188                           | 123  | 281              | 44.5  | 55.6   | 2,890        |
| CDV*130BL6 | 4JE-15     | 13.0 | 7/8                               | 1 5/8   | 81                            | 29   | 144              | 44.5  | 55.6   | 1,560        |
| CDV*150BL6 | 4HE-18     | 15.0 | 7/8                               | 1 5/8   | 81                            | 29   | 144              | 44.5  | 55.6   | 1,580        |
| CDV*200BL6 | 4GE-23     | 20.0 | 7/8                               | 2 1/8   | 81                            | 29   | 144              | 44.5  | 55.6   | 1,640        |
| CDV*220BL6 | 6JE-25     | 22.0 | 7/8                               | 2 1/8   | 123                           | 81   | 171              | 44.5  | 55.6   | 1,810        |
| CDV*250BL6 | 6HE-28     | 25.0 | 1 1/8                             | 2 1/8   | 123                           | 81   | 171              | 44.5  | 55.6   | 1,900        |
| CDV*300BL6 | 6GE-34     | 30.0 | 1 1/8                             | 2 1/8   | 123                           | 81   | 171              | 44.5  | 55.6   | 1,900        |
| CDV*400BL6 | 6FE-44     | 40.0 | 1 1/8                             | 2 1/8   | 188                           | 81   | 226              | 44.5  | 55.6   | 2,310        |

### NOTES:

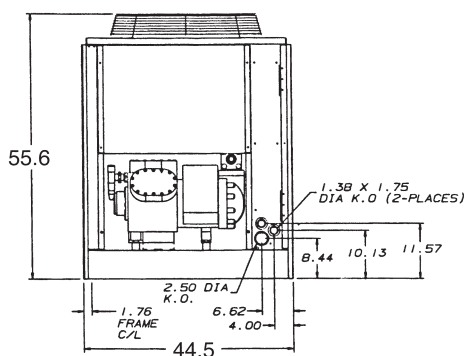
CDV\* = CDV is Adjustable Head Pressure Control, CDVS is Beacon II

## AWEF VALUES:

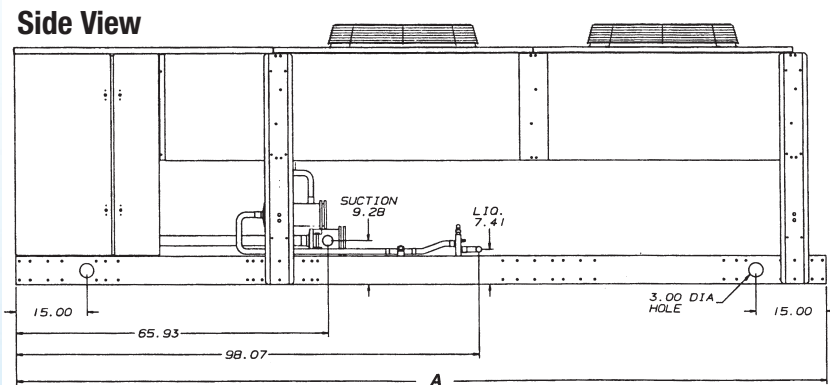
### MEDIUM TEMPERATURE CONDENSING UNITS

| Model      | Outdoor/Beacon II |                   |        |                   |
|------------|-------------------|-------------------|--------|-------------------|
|            | R-404A/<br>R-507A | R-407A/<br>R-407F | R-407C | R-448A/<br>R-449A |
| CDV*150BM6 | 8.94              | 8.22              | 8.14   | 7.83              |
| CDV*200BM6 | 9.26              | 8.54              | 8.47   | 8.19              |
| CDV*220BM6 | 9.40              | 8.65              | 7.73   | 8.23              |
| CDV*250BM6 | 9.51              | 8.85              | 7.92   | 8.41              |
| CDV*300BM6 | 9.15              | 8.53              | 7.61   | 8.04              |
| CDV*330BM6 | 9.48              | 8.66              | 7.57   | 8.13              |
| CDV*350BM6 | 9.26              | 8.82              | 7.76   | 8.26              |
| CDV*400BM6 | 9.16              | 8.70              | 7.61   | 8.03              |
| CDV*500BM6 | 9.23              | 8.91              | 7.78   | 8.34              |

### End View



### Side View



## Standard and Optional Features

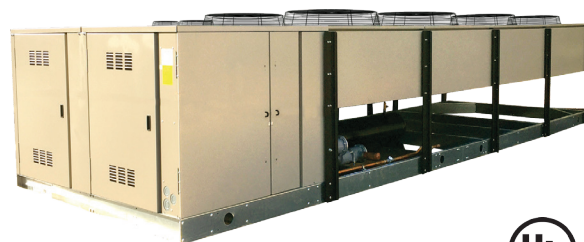
- Floating Tube™ coil design
- Adjustable head pressure control
- Designed for use with R-404A, R-507, R-407A, R-407C, R-407F, R-448A, R-449A
- Prebent copper tubes minimize welded joints on internal piping
- Fixed high pressure switch eliminates capillary tubes
- Oil safety control
- Bitzer compressors with POE oil
- Spring mounted compressor with suction and discharge vibration eliminators
- Crankcase heater
- Thermally protected, permanently lubricated ball bearing condenser fan motors
- Separate subcooling circuit in condenser for added capacity and vapor-free liquid
- Receivers are sized for sufficient pumpdown capacity with inlet and outlet service valves
- Pressure relief valve on receiver
- Sealed liquid line filter drier and sight glass
- Electrical controls, including compressor contactor and optional defrost control, are located in easily accessible control box with a hinged cover
- Service Mate™ module to assist troubleshooting
- Pumpdown Switch
- Cabinet is constructed from prepainted galvanized steel
- Convenient access panels for easy servicing to internal components

## Additional Standard Features for Parallel Piped Units

1. Replaceable core liquid line filter drier
2. Replaceable core suction filter
3. Suction accumulator
4. Oil management system
5. Contact Factory for Beacon II™ Application

## Nomenclature

| C                   | D                     | V                   | 130B       | L             | 6                 | D                |
|---------------------|-----------------------|---------------------|------------|---------------|-------------------|------------------|
| Brand               | Head Pressure Control | Airflow             | Horsepower | Temperature   | Refrigerant       | Voltage          |
| C = Climate Control | D = Beacon II™        | D = Vertical        | 130B - 13  | L - Low Temp  | 6 = R-404A, R-507 | C = 208-230/3/60 |
|                     |                       |                     | 150B - 15  | M - Med. Temp | R-407A            | D = 460/3/60     |
|                     |                       | DS= Vertical Beacon | 200B - 20  |               | R-407C            | E = 575/3/60     |
|                     |                       |                     | 220B - 22  |               | R-407F            |                  |
|                     |                       |                     | 250B - 25  |               | R-448A            |                  |
|                     |                       |                     | 300B - 30  |               | R-449A            |                  |
|                     |                       |                     | 330B - 33  |               |                   |                  |
|                     |                       |                     | 350B - 35  |               |                   |                  |
|                     |                       |                     | 400B - 40  |               |                   |                  |
|                     |                       |                     | 500B - 50  |               |                   |                  |



## Factory-Installed Options

- Replaceable core liquid line filter driers with sight glasses
- Liquid line solenoid valves
- Suction filter
- Replaceable core suction filter
- Suction accumulator
- Oil separator with discharge line check valve
- Air defrost timer
- Electric defrost kits, including timer, evaporator fan contactor with fusing, defrost heater contactor(s), lockout relay and terminal strip
- Low ambient kit with heated and insulated receiver with time delay
- Compressor unloading
- External discharge line mufflers
- Phase-loss protection
- Manual-reset high pressure switch
- Anti-short cycling timer
- Compressor circuit breakers
- Condenser fan cycling (standard on JDDS)
- Three-way heat reclaim valve with mounted check valves
- Coated condenser coils for protection against corrosion in harsh environments
- Beacon II™ compatible

# PERFORMANCE DATA: DUAL VERTICAL AIR DISCHARGE CONDENSING UNIT

## Medium Temperature R-404A/R-507

| Model      | Compressor<br>(2 each) | Capacity BTUH @ 90°F Ambient by SST |         |         |         |         |         |
|------------|------------------------|-------------------------------------|---------|---------|---------|---------|---------|
|            |                        | 40°F                                | 30°F    | 25°F    | 20°F    | 15°F    | 5°F     |
| CDD*300BM6 | 4PES-15                | 375,420                             | 313,080 | 283,400 | 255,120 | 229,100 | 181,700 |
| CDD*400BM6 | 4NES-20                | 449,040                             | 375,100 | 340,140 | 306,700 | 276,000 | 220,080 |
| CDD*440BM6 | 4JE-22                 | 494,660                             | 416,060 | 377,900 | 342,360 | 308,940 | 247,660 |
| CDD*500BM6 | 4HE-25                 | 575,700                             | 485,720 | 443,160 | 402,280 | 363,300 | 293,160 |
| CDD*600BM6 | 4GE-30                 | 674,040                             | 566,320 | 516,080 | 467,900 | 423,180 | 341,060 |
| CDD*660BM6 | 6JE-33                 | 745,260                             | 623,620 | 566,320 | 511,200 | 460,580 | 368,140 |
| CDD*700BM6 | 6HE-35                 | 827,620                             | 698,240 | 637,920 | 580,500 | 525,420 | 424,760 |
| CDD*800BM6 | 6GE-40                 | 976,760                             | 824,320 | 751,960 | 682,200 | 617,540 | 498,760 |
| CDD*110BM6 | 6FE-50                 | 1,167,760                           | 992,440 | 906,960 | 825,580 | 747,920 | 606,940 |

| Model      | Compressor<br>(2 Each) | Capacity BTUH @ 95°F Ambient by SST |         |         |         |         |         |
|------------|------------------------|-------------------------------------|---------|---------|---------|---------|---------|
|            |                        | 40°F                                | 30°F    | 25°F    | 20°F    | 15°F    | 5°F     |
| CDD*300BM6 | 4PES-15                | 356,840                             | 297,540 | 269,100 | 242,240 | 217,460 | 172,120 |
| CDD*400BM6 | 4NES-20                | 427,480                             | 357,120 | 323,600 | 292,220 | 262,620 | 209,060 |
| CDD*440BM6 | 4JE-22                 | 470,880                             | 396,240 | 360,020 | 325,880 | 293,980 | 235,400 |
| CDD*500BM6 | 4HE-25                 | 547,740                             | 463,260 | 421,540 | 382,880 | 345,980 | 278,940 |
| CDD*600BM6 | 4GE-30                 | 641,820                             | 539,960 | 491,680 | 446,300 | 403,240 | 324,800 |
| CDD*660BM6 | 6JE-33                 | 710,640                             | 594,220 | 539,580 | 487,760 | 438,860 | 350,080 |
| CDD*700BM6 | 6HE-35                 | 787,380                             | 664,940 | 607,580 | 552,780 | 500,080 | 404,220 |
| CDD*800BM6 | 6GE-40                 | 929,840                             | 784,560 | 715,960 | 650,060 | 588,560 | 475,220 |
| CDD*110BM6 | 6FE-50                 | 1,110,560                           | 944,620 | 862,520 | 785,880 | 712,600 | 578,380 |

| Model      | Compressor<br>(2 Each) | Capacity BTUH @ 100°F Ambient by SST |         |         |         |         |         |
|------------|------------------------|--------------------------------------|---------|---------|---------|---------|---------|
|            |                        | 40°F                                 | 30°F    | 25°F    | 20°F    | 15°F    | 5°F     |
| CDD*300BM6 | 4PES-15                | 338,120                              | 282,120 | 254,840 | 229,660 | 205,820 | 162,540 |
| CDD*400BM6 | 4NES-20                | 405,680                              | 339,080 | 307,160 | 277,420 | 249,240 | 198,160 |
| CDD*440BM6 | 4JE-22                 | 446,860                              | 376,080 | 341,840 | 309,560 | 278,980 | 223,080 |
| CDD*500BM6 | 4HE-25                 | 519,600                              | 439,720 | 400,860 | 363,560 | 328,880 | 264,700 |
| CDD*600BM6 | 4GE-30                 | 609,220                              | 512,840 | 467,000 | 424,040 | 383,040 | 308,400 |
| CDD*660BM6 | 6JE-33                 | 675,640                              | 564,960 | 512,900 | 463,700 | 416,980 | 331,980 |
| CDD*700BM6 | 6HE-35                 | 746,380                              | 631,040 | 577,620 | 524,420 | 474,680 | 383,540 |
| CDD*800BM6 | 6GE-40                 | 882,300                              | 744,940 | 680,040 | 618,240 | 559,300 | 451,460 |
| CDD*110BM6 | 6FE-50                 | 1,052,100                            | 895,880 | 819,520 | 746,160 | 677,300 | 549,400 |

| Model      | Compressor<br>(2 Each) | Capacity BTUH @ 110°F Ambient by SST |         |         |         |         |         |
|------------|------------------------|--------------------------------------|---------|---------|---------|---------|---------|
|            |                        | 40°F                                 | 30°F    | 25°F    | 20°F    | 15°F    | 5°F     |
| CDD*300BM6 | 4PES-15                | 301,000                              | 250,220 | 226,680 | 203,960 | 182,600 | 143,440 |
| CDD*400BM6 | 4NES-20                | 362,280                              | 302,260 | 274,480 | 247,660 | 222,400 | 176,240 |
| CDD*440BM6 | 4JE-22                 | 397,960                              | 335,680 | 305,280 | 276,180 | 248,780 | 198,360 |
| CDD*500BM6 | 4HE-25                 | 462,120                              | 391,380 | 357,200 | 324,780 | 293,180 | 236,020 |
| CDD*600BM6 | 4GE-30                 | 543,300                              | 458,080 | 417,640 | 378,780 | 342,240 | 275,060 |
| CDD*660BM6 | 6JE-33                 | 605,080                              | 505,680 | 459,620 | 414,960 | 372,680 | 295,380 |
| CDD*700BM6 | 6HE-35                 | 662,920                              | 562,320 | 513,840 | 467,620 | 423,820 | 341,740 |
| CDD*800BM6 | 6GE-40                 | 786,460                              | 664,740 | 607,720 | 552,380 | 499,900 | 403,100 |
| CDD*110BM6 | 6FE-50                 | 932,980                              | 797,380 | 729,400 | 665,980 | 604,520 | 490,520 |

### NOTES:

CDD\* = CDD is Adjustable Head Pressure Control, CDDs is Beacon II, CDD\*PP is Parallel Piped

# PERFORMANCE DATA: DUAL VERTICAL AIR DISCHARGE CONDENSING UNIT

## Medium Temperature R-407A/R-407F

| Model      | Compressor<br>(2 Each) | Capacity BTUH @ 90°F Ambient by SST |         |         |         |         |         |
|------------|------------------------|-------------------------------------|---------|---------|---------|---------|---------|
|            |                        | 40°F                                | 30°F    | 25°F    | 20°F    | 15°F    | 5°F     |
| CDD*300BM6 | 4PES-15                | 374,180                             | 305,500 | 274,140 | 244,520 | 217,560 | 169,380 |
| CDD*400BM6 | 4NES-20                | 443,980                             | 362,720 | 325,460 | 290,760 | 259,060 | 202,360 |
| CDD*440BM6 | 4JE-22                 | 487,760                             | 399,500 | 358,380 | 320,480 | 285,420 | 222,500 |
| CDD*500BM6 | 4HE-25                 | 562,700                             | 461,060 | 413,760 | 369,900 | 329,040 | 256,740 |
| CDD*600BM6 | 4GE-30                 | 670,740                             | 549,080 | 493,120 | 441,160 | 393,660 | 308,400 |
| CDD*660BM6 | 6JE-33                 | 737,960                             | 603,280 | 541,300 | 483,440 | 430,300 | 335,120 |
| CDD*700BM6 | 6HE-35                 | 836,860                             | 689,680 | 622,420 | 557,960 | 498,100 | 391,500 |
| CDD*800BM6 | 6GE-40                 | 1,001,740                           | 821,380 | 738,920 | 661,100 | 589,420 | 462,140 |
| CDD*110BM6 | 6FE-50                 | 1,183,120                           | 972,220 | 873,720 | 782,880 | 698,340 | 547,900 |

| Model      | Compressor<br>(2 Each) | Capacity BTUH @ 95°F Ambient by SST |         |         |         |         |         |
|------------|------------------------|-------------------------------------|---------|---------|---------|---------|---------|
|            |                        | 40°F                                | 30°F    | 25°F    | 20°F    | 15°F    | 5°F     |
| CDD*300BM6 | 4PES-15                | 358,100                             | 291,900 | 261,840 | 233,520 | 207,560 | 161,140 |
| CDD*400BM6 | 4NES-20                | 425,580                             | 347,220 | 311,560 | 278,120 | 247,580 | 192,940 |
| CDD*440BM6 | 4JE-22                 | 467,440                             | 382,400 | 343,300 | 306,160 | 272,400 | 211,700 |
| CDD*500BM6 | 4HE-25                 | 539,180                             | 441,220 | 395,900 | 353,300 | 314,280 | 244,220 |
| CDD*600BM6 | 4GE-30                 | 643,940                             | 526,500 | 472,600 | 422,920 | 376,700 | 294,400 |
| CDD*660BM6 | 6JE-33                 | 707,440                             | 577,260 | 517,780 | 461,820 | 410,780 | 318,900 |
| CDD*700BM6 | 6HE-35                 | 802,240                             | 660,660 | 595,800 | 533,200 | 475,980 | 373,240 |
| CDD*800BM6 | 6GE-40                 | 961,580                             | 787,180 | 707,880 | 633,220 | 564,380 | 441,140 |
| CDD*110BM6 | 6FE-50                 | 1,135,180                           | 932,240 | 837,200 | 749,640 | 668,060 | 522,820 |

| Model      | Compressor<br>(2 Each) | Capacity BTUH @ 100°F Ambient by SST |         |         |         |         |         |
|------------|------------------------|--------------------------------------|---------|---------|---------|---------|---------|
|            |                        | 40°F                                 | 30°F    | 25°F    | 20°F    | 15°F    | 5°F     |
| CDD*300BM6 | 4PES-15                | 342,300                              | 278,860 | 249,740 | 222,440 | 197,560 | 152,880 |
| CDD*400BM6 | 4NES-20                | 407,260                              | 332,080 | 297,620 | 265,740 | 236,100 | 183,500 |
| CDD*440BM6 | 4JE-22                 | 447,060                              | 364,880 | 327,320 | 291,860 | 259,400 | 200,960 |
| CDD*500BM6 | 4HE-25                 | 515,600                              | 421,380 | 378,040 | 336,700 | 299,240 | 231,760 |
| CDD*600BM6 | 4GE-30                 | 617,060                              | 503,860 | 452,160 | 404,320 | 359,780 | 280,460 |
| CDD*660BM6 | 6JE-33                 | 676,800                              | 551,520 | 494,160 | 440,900 | 391,240 | 302,740 |
| CDD*700BM6 | 6HE-35                 | 767,480                              | 631,660 | 569,160 | 509,500 | 453,880 | 355,100 |
| CDD*800BM6 | 6GE-40                 | 920,860                              | 754,000 | 677,240 | 605,240 | 539,060 | 420,260 |
| CDD*110BM6 | 6FE-50                 | 1,087,020                            | 891,540 | 800,840 | 716,460 | 637,860 | 498,000 |

| Model      | Compressor<br>(2 Each) | Capacity BTUH @ 110°F Ambient by SST |         |         |         |         |         |
|------------|------------------------|--------------------------------------|---------|---------|---------|---------|---------|
|            |                        | 40°F                                 | 30°F    | 25°F    | 20°F    | 15°F    | 5°F     |
| CDD*300BM6 | 4PES-15                | 311,040                              | 252,400 | 225,520 | 200,760 | 177,620 | 136,520 |
| CDD*400BM6 | 4NES-20                | 370,980                              | 301,500 | 269,780 | 240,540 | 213,220 | 164,800 |
| CDD*440BM6 | 4JE-22                 | 406,440                              | 331,340 | 296,160 | 263,860 | 233,660 | 179,700 |
| CDD*500BM6 | 4HE-25                 | 468,400                              | 382,000 | 341,540 | 304,240 | 269,380 | 207,120 |
| CDD*600BM6 | 4GE-30                 | 563,200                              | 459,020 | 411,720 | 367,320 | 326,180 | 252,860 |
| CDD*660BM6 | 6JE-33                 | 616,340                              | 500,460 | 447,840 | 398,380 | 352,500 | 270,800 |
| CDD*700BM6 | 6HE-35                 | 698,100                              | 574,720 | 516,160 | 461,200 | 410,580 | 319,180 |
| CDD*800BM6 | 6GE-40                 | 841,320                              | 687,700 | 616,040 | 550,160 | 488,660 | 378,880 |
| CDD*110BM6 | 6FE-50                 | 990,900                              | 810,720 | 728,380 | 650,340 | 578,320 | 448,760 |

### NOTES:

CDD\* = CDD is Adjustable Head Pressure Control, CDDS is Beacon II, CDD\*PP is Parallel Piped

# PERFORMANCE DATA: DUAL VERTICAL AIR DISCHARGE CONDENSING UNIT

## Medium Temperature R-407C

| Model      | Compressor<br>(2 Each) | Capacity BTUH @ 90°F Ambient by SST |         |         |         |         |         |
|------------|------------------------|-------------------------------------|---------|---------|---------|---------|---------|
|            |                        | 40°F                                | 30°F    | 25°F    | 20°F    | 15°F    | 5°F     |
| CDD*300BM6 | 4PES-15                | 337,040                             | 273,140 | 244,060 | 217,280 | 192,480 | 148,920 |
| CDD*400BM6 | 4NES-20                | 399,140                             | 323,400 | 289,480 | 257,980 | 228,760 | 177,640 |
| CDD*440BM6 | 4JE-22                 | 445,520                             | 360,000 | 321,180 | 285,640 | 252,420 | 194,040 |
| CDD*500BM6 | 4HE-25                 | 524,220                             | 425,280 | 380,040 | 338,480 | 300,080 | 231,560 |
| CDD*600BM6 | 4GE-30                 | 623,840                             | 506,400 | 453,400 | 404,660 | 359,580 | 279,660 |
| CDD*660BM6 | 6JE-33                 | 654,260                             | 528,540 | 472,060 | 420,380 | 372,700 | 288,540 |
| CDD*700BM6 | 6HE-35                 | 749,220                             | 610,960 | 547,260 | 488,960 | 435,340 | 339,740 |
| CDD*800BM6 | 6GE-40                 | 906,860                             | 737,640 | 660,960 | 590,400 | 526,020 | 411,720 |
| CDD*110BM6 | 6FE-50                 | 1,062,240                           | 862,040 | 772,320 | 688,960 | 612,900 | 477,840 |

| Model      | Compressor<br>(2 Each) | Capacity BTUH @ 95°F Ambient by SST |         |         |         |         |         |
|------------|------------------------|-------------------------------------|---------|---------|---------|---------|---------|
|            |                        | 40°F                                | 30°F    | 25°F    | 20°F    | 15°F    | 5°F     |
| CDD*300BM6 | 4PES-15                | 323,660                             | 261,620 | 233,860 | 208,020 | 184,040 | 142,020 |
| CDD*400BM6 | 4NES-20                | 383,740                             | 310,460 | 277,800 | 247,120 | 219,100 | 169,800 |
| CDD*440BM6 | 4JE-22                 | 428,360                             | 345,880 | 308,400 | 273,760 | 241,560 | 185,080 |
| CDD*500BM6 | 4HE-25                 | 504,580                             | 408,480 | 365,060 | 324,940 | 287,520 | 221,580 |
| CDD*600BM6 | 4GE-30                 | 601,760                             | 488,080 | 436,780 | 389,620 | 345,940 | 268,480 |
| CDD*660BM6 | 6JE-33                 | 629,380                             | 507,840 | 453,680 | 403,420 | 357,380 | 276,120 |
| CDD*700BM6 | 6HE-35                 | 720,840                             | 587,400 | 526,620 | 469,580 | 417,820 | 325,720 |
| CDD*800BM6 | 6GE-40                 | 874,680                             | 710,840 | 637,060 | 568,800 | 506,640 | 396,220 |
| CDD*110BM6 | 6FE-50                 | 1,023,240                           | 830,100 | 743,100 | 662,500 | 589,120 | 458,720 |

| Model      | Compressor<br>(2 Each) | Capacity BTUH @ 100°F Ambient by SST |         |         |         |         |         |
|------------|------------------------|--------------------------------------|---------|---------|---------|---------|---------|
|            |                        | 40°F                                 | 30°F    | 25°F    | 20°F    | 15°F    | 5°F     |
| CDD*300BM6 | 4PES-15                | 310,620                              | 250,280 | 223,620 | 198,480 | 175,520 | 135,100 |
| CDD*400BM6 | 4NES-20                | 368,640                              | 297,800 | 266,060 | 236,400 | 209,380 | 161,920 |
| CDD*440BM6 | 4JE-22                 | 411,200                              | 331,300 | 295,340 | 261,580 | 230,680 | 176,120 |
| CDD*500BM6 | 4HE-25                 | 484,880                              | 392,560 | 350,060 | 311,420 | 275,200 | 211,440 |
| CDD*600BM6 | 4GE-30                 | 579,560                              | 469,680 | 420,420 | 374,500 | 332,260 | 257,260 |
| CDD*660BM6 | 6JE-33                 | 604,240                              | 486,960 | 434,800 | 386,320 | 341,880 | 263,400 |
| CDD*700BM6 | 6HE-35                 | 692,220                              | 563,640 | 504,760 | 449,960 | 400,280 | 311,580 |
| CDD*800BM6 | 6GE-40                 | 842,220                              | 684,080 | 612,880 | 547,440 | 487,060 | 380,560 |
| CDD*110BM6 | 6FE-50                 | 983,900                              | 797,920 | 713,560 | 635,920 | 565,140 | 439,480 |

| Model      | Compressor<br>(2 Each) | Capacity BTUH @ 110°F Ambient by SST |         |         |         |         |         |
|------------|------------------------|--------------------------------------|---------|---------|---------|---------|---------|
|            |                        | 40°F                                 | 30°F    | 25°F    | 20°F    | 15°F    | 5°F     |
| CDD*300BM6 | 4PES-15                | 283,420                              | 227,980 | 203,040 | 179,660 | 158,420 | 121,160 |
| CDD*400BM6 | 4NES-20                | 336,940                              | 271,900 | 242,140 | 214,860 | 190,060 | 145,880 |
| CDD*440BM6 | 4JE-22                 | 376,940                              | 302,840 | 269,280 | 237,760 | 209,180 | 158,160 |
| CDD*500BM6 | 4HE-25                 | 445,500                              | 359,460 | 320,660 | 284,080 | 250,580 | 191,300 |
| CDD*600BM6 | 4GE-30                 | 534,580                              | 432,820 | 387,040 | 344,260 | 304,860 | 234,740 |
| CDD*660BM6 | 6JE-33                 | 553,940                              | 445,380 | 396,740 | 351,780 | 310,680 | 238,060 |
| CDD*700BM6 | 6HE-35                 | 634,560                              | 515,120 | 461,220 | 411,220 | 365,000 | 283,180 |
| CDD*800BM6 | 6GE-40                 | 776,600                              | 630,080 | 564,480 | 503,540 | 447,640 | 349,080 |
| CDD*110BM6 | 6FE-50                 | 904,320                              | 731,920 | 654,080 | 582,800 | 516,880 | 400,720 |

### NOTES:

CDD\* = CDD is Adjustable Head Pressure Control, CDDS is Beacon II, CDD\*PP is Parallel Piped

# PERFORMANCE DATA: DUAL VERTICAL AIR DISCHARGE CONDENSING UNIT

## Medium Temperature R-448A/R-449A

| Model      | Compressor<br>(2 Each) | Capacity BTUH @ 90°F Ambient by SST |         |         |         |         |         |
|------------|------------------------|-------------------------------------|---------|---------|---------|---------|---------|
|            |                        | 40°F                                | 30°F    | 25°F    | 20°F    | 15°F    | 5°F     |
| CDD*300BM6 | 4PES-15                | 370,160                             | 299,660 | 267,520 | 237,800 | 210,820 | 163,200 |
| CDD*400BM6 | 4NES-20                | 442,500                             | 358,860 | 321,240 | 286,200 | 254,360 | 198,240 |
| CDD*440BM6 | 4JE-22                 | 489,300                             | 399,780 | 358,500 | 320,560 | 285,440 | 223,680 |
| CDD*500BM6 | 4HE-25                 | 571,440                             | 468,820 | 421,360 | 377,700 | 337,200 | 265,720 |
| CDD*600BM6 | 4GE-30                 | 664,360                             | 543,660 | 488,840 | 437,960 | 391,420 | 308,640 |
| CDD*660BM6 | 6JE-33                 | 733,260                             | 596,240 | 534,440 | 476,800 | 424,340 | 331,400 |
| CDD*700BM6 | 6HE-35                 | 824,620                             | 678,280 | 611,560 | 548,000 | 490,060 | 386,960 |
| CDD*800BM6 | 6GE-40                 | 964,740                             | 791,100 | 712,660 | 639,240 | 571,440 | 451,800 |
| CDD*110BM6 | 6FE-50                 | 1,160,600                           | 957,720 | 863,580 | 776,280 | 695,140 | 551,120 |

| Model      | Compressor<br>(2 Each) | Capacity BTUH @ 95°F Ambient by SST |         |         |         |         |         |
|------------|------------------------|-------------------------------------|---------|---------|---------|---------|---------|
|            |                        | 40°F                                | 30°F    | 25°F    | 20°F    | 15°F    | 5°F     |
| CDD*300BM6 | 4PES-15                | 355,180                             | 286,920 | 256,080 | 227,380 | 201,380 | 155,420 |
| CDD*400BM6 | 4NES-20                | 425,360                             | 344,780 | 308,280 | 274,660 | 243,740 | 189,540 |
| CDD*440BM6 | 4JE-22                 | 470,520                             | 384,080 | 344,620 | 307,500 | 273,780 | 213,840 |
| CDD*500BM6 | 4HE-25                 | 549,500                             | 450,580 | 404,960 | 362,660 | 323,540 | 254,580 |
| CDD*600BM6 | 4GE-30                 | 638,780                             | 522,680 | 469,680 | 420,900 | 375,780 | 295,920 |
| CDD*660BM6 | 6JE-33                 | 706,220                             | 573,780 | 513,660 | 457,820 | 406,960 | 316,900 |
| CDD*700BM6 | 6HE-35                 | 793,060                             | 652,060 | 587,680 | 526,320 | 470,300 | 370,740 |
| CDD*800BM6 | 6GE-40                 | 927,760                             | 760,880 | 685,020 | 614,220 | 549,260 | 433,440 |
| CDD*110BM6 | 6FE-50                 | 1,115,340                           | 920,380 | 830,300 | 745,900 | 667,680 | 528,980 |

| Model      | Compressor<br>(2 Each) | Capacity BTUH @ 100°F Ambient by SST |         |         |         |         |         |
|------------|------------------------|--------------------------------------|---------|---------|---------|---------|---------|
|            |                        | 40°F                                 | 30°F    | 25°F    | 20°F    | 15°F    | 5°F     |
| CDD*300BM6 | 4PES-15                | 340,200                              | 274,420 | 244,680 | 217,260 | 191,960 | 147,700 |
| CDD*400BM6 | 4NES-20                | 408,300                              | 330,780 | 295,400 | 263,000 | 233,160 | 180,880 |
| CDD*440BM6 | 4JE-22                 | 451,720                              | 368,360 | 330,040 | 294,420 | 261,900 | 203,980 |
| CDD*500BM6 | 4HE-25                 | 527,400                              | 432,300 | 388,160 | 347,560 | 310,100 | 243,360 |
| CDD*600BM6 | 4GE-30                 | 613,100                              | 501,200 | 450,360 | 403,480 | 360,040 | 283,100 |
| CDD*660BM6 | 6JE-33                 | 679,720                              | 550,740 | 492,820 | 439,140 | 389,580 | 302,380 |
| CDD*700BM6 | 6HE-35                 | 761,220                              | 625,700 | 563,500 | 504,800 | 450,420 | 354,440 |
| CDD*800BM6 | 6GE-40                 | 890,600                              | 730,460 | 657,200 | 589,060 | 526,520 | 414,960 |
| CDD*110BM6 | 6FE-50                 | 1,069,740                            | 882,860 | 796,480 | 715,200 | 640,060 | 506,620 |

| Model      | Compressor<br>(2 Each) | Capacity BTUH @ 110°F Ambient by SST |         |         |         |         |         |
|------------|------------------------|--------------------------------------|---------|---------|---------|---------|---------|
|            |                        | 40°F                                 | 30°F    | 25°F    | 20°F    | 15°F    | 5°F     |
| CDD*300BM6 | 4PES-15                | 310,840                              | 249,760 | 222,080 | 196,820 | 173,440 | 132,380 |
| CDD*400BM6 | 4NES-20                | 374,680                              | 302,480 | 269,800 | 239,880 | 212,260 | 163,700 |
| CDD*440BM6 | 4JE-22                 | 413,900                              | 336,520 | 301,280 | 268,520 | 238,140 | 184,240 |
| CDD*500BM6 | 4HE-25                 | 483,100                              | 395,120 | 355,000 | 317,240 | 282,680 | 220,900 |
| CDD*600BM6 | 4GE-30                 | 561,280                              | 458,400 | 411,940 | 368,460 | 328,340 | 257,300 |
| CDD*660BM6 | 6JE-33                 | 624,920                              | 505,360 | 451,060 | 401,160 | 354,860 | 273,220 |
| CDD*700BM6 | 6HE-35                 | 698,260                              | 573,260 | 515,220 | 460,860 | 410,580 | 321,660 |
| CDD*800BM6 | 6GE-40                 | 815,780                              | 668,460 | 601,080 | 538,700 | 480,680 | 377,520 |
| CDD*110BM6 | 6FE-50                 | 978,040                              | 806,580 | 727,600 | 653,200 | 584,700 | 461,300 |

# PERFORMANCE DATA: DUAL VERTICAL AIR DISCHARGE CONDENSING UNIT

## Low Temperature R-404A/R-507

| Model      | Compressor<br>(2 Each) | Capacity BTUH @ 90°F Ambient by SST |         |         |         |         |         |
|------------|------------------------|-------------------------------------|---------|---------|---------|---------|---------|
|            |                        | 0°F                                 | -10°F   | -15°F   | -20°F   | -30°F   | -40°F   |
| CDD*260BL6 | 4JE-15                 | 217,640                             | 172,080 | 151,560 | 132,600 | 98,920  | 70,360  |
| CDD*300BL6 | 4HE-18                 | 254,140                             | 202,360 | 178,880 | 157,100 | 118,300 | 85,260  |
| CDD*400BL6 | 4GE-23                 | 294,000                             | 235,320 | 209,020 | 184,420 | 140,440 | 102,560 |
| CDD*440BL6 | 6JE-25                 | 321,940                             | 254,920 | 224,700 | 196,760 | 147,340 | 105,540 |
| CDD*500BL6 | 6HE-28                 | 378,060                             | 300,080 | 265,180 | 232,840 | 175,440 | 126,720 |
| CDD*600BL6 | 6GE-34                 | 436,360                             | 352,420 | 313,800 | 277,800 | 213,500 | 157,820 |
| CDD*800BL6 | 6FE-44                 | 529,260                             | 424,240 | 377,040 | 332,680 | 253,200 | 184,200 |

| Model      | Compressor<br>(2 Each) | Capacity BTUH @ 95°F Ambient by SST |         |         |         |         |         |
|------------|------------------------|-------------------------------------|---------|---------|---------|---------|---------|
|            |                        | 0°F                                 | -10°F   | -15°F   | -20°F   | -30°F   | -40°F   |
| CDD*260BL6 | 4JE-15                 | 206,800                             | 163,260 | 143,620 | 125,280 | 93,120  | 65,800  |
| CDD*300BL6 | 4HE-18                 | 241,760                             | 192,240 | 169,780 | 148,940 | 111,820 | 80,180  |
| CDD*400BL6 | 4GE-23                 | 279,500                             | 223,760 | 198,760 | 175,280 | 133,300 | 97,060  |
| CDD*440BL6 | 6JE-25                 | 306,220                             | 241,940 | 212,880 | 186,160 | 138,760 | 98,800  |
| CDD*500BL6 | 6HE-28                 | 359,680                             | 285,120 | 251,700 | 220,760 | 165,740 | 119,000 |
| CDD*600BL6 | 6GE-34                 | 415,980                             | 335,340 | 298,460 | 264,480 | 202,980 | 149,580 |
| CDD*800BL6 | 6FE-44                 | 503,720                             | 403,740 | 358,760 | 316,300 | 239,840 | 173,560 |

| Model      | Compressor<br>(2 Each) | Capacity BTUH @ 100°F Ambient by SST |         |         |         |         |         |
|------------|------------------------|--------------------------------------|---------|---------|---------|---------|---------|
|            |                        | 0°F                                  | -10°F   | -15°F   | -20°F   | -30°F   | -40°F   |
| CDD*260BL6 | 4JE-15                 | 195,880                              | 154,400 | 135,640 | 118,120 | 87,360  | 61,240  |
| CDD*300BL6 | 4HE-18                 | 229,460                              | 182,060 | 160,660 | 140,800 | 105,340 | 75,140  |
| CDD*400BL6 | 4GE-23                 | 264,860                              | 212,080 | 188,440 | 166,040 | 126,040 | 91,620  |
| CDD*440BL6 | 6JE-25                 | 290,180                              | 228,780 | 201,140 | 175,400 | 130,180 | 92,040  |
| CDD*500BL6 | 6HE-28                 | 340,620                              | 270,080 | 238,200 | 208,620 | 156,020 | 111,400 |
| CDD*600BL6 | 6GE-34                 | 394,500                              | 318,060 | 283,540 | 250,980 | 192,300 | 141,220 |
| CDD*800BL6 | 6FE-44                 | 477,140                              | 383,400 | 340,240 | 299,740 | 226,540 | 162,840 |

| Model      | Compressor<br>(2 Each) | Capacity BTUH @ 110°F Ambient by SST |         |         |         |         |         |
|------------|------------------------|--------------------------------------|---------|---------|---------|---------|---------|
|            |                        | 0°F                                  | -10°F   | -15°F   | -20°F   | -30°F   | -40°F   |
| CDD*260BL6 | 4JE-15                 | 174,280                              | 136,740 | 119,580 | 103,840 | 75,940  | 52,300  |
| CDD*300BL6 | 4HE-18                 | 203,540                              | 161,620 | 142,400 | 124,320 | 92,500  | 65,280  |
| CDD*400BL6 | 4GE-23                 | 235,500                              | 188,980 | 167,580 | 147,640 | 111,800 | 80,860  |
| CDD*440BL6 | 6JE-25                 | 257,780                              | 202,740 | 177,500 | 154,280 | 113,240 | 78,700  |
| CDD*500BL6 | 6HE-28                 | 303,080                              | 239,800 | 211,080 | 184,120 | 136,600 | 96,140  |
| CDD*600BL6 | 6GE-34                 | 350,640                              | 283,100 | 252,560 | 223,420 | 170,460 | 124,220 |
| CDD*800BL6 | 6FE-44                 | 425,460                              | 341,380 | 302,620 | 266,140 | 199,600 | 141,360 |

### NOTES:

CDD\* = CDD is Adjustable Head Pressure Control, CDDS is Beacon II, CDD\*PP is Parallel Piped

HEAD FAN REQUIRED

# PERFORMANCE DATA: DUAL VERTICAL AIR DISCHARGE CONDENSING UNIT

## Low Temperature R-407A/R-407F

| Model      | Compressor<br>(2 Each) | Capacity BTUH @ 90°F Ambient by SST |         |         |         |         |         |
|------------|------------------------|-------------------------------------|---------|---------|---------|---------|---------|
|            |                        | 0°F                                 | -10°F   | -15°F   | -20°F   | -30°F   | -40°F   |
| CDD*260BL6 | 4JE-15                 | 192,460                             | 145,600 | 124,660 | 105,240 | 71,040  | 41,680  |
| CDD*300BL6 | 4HE-18                 | 227,900                             | 173,720 | 149,480 | 127,080 | 87,180  | 52,900  |
| CDD*400BL6 | 4GE-23                 | 268,340                             | 206,600 | 179,100 | 153,460 | 107,700 | 68,020  |
| CDD*440BL6 | 6JE-25                 | 286,700                             | 216,980 | 185,800 | 156,860 | 105,860 | 62,100  |
| CDD*500BL6 | 6HE-28                 | 343,740                             | 261,640 | 225,000 | 191,180 | 131,080 | 79,500  |
| CDD*600BL6 | 6GE-34                 | 389,300                             | 297,500 | 256,400 | 218,420 | 150,580 | 92,040  |
| CDD*800BL6 | 6FE-44                 | 474,500                             | 363,120 | 313,360 | 267,320 | 185,340 | 114,660 |

| Model      | Compressor<br>(2 Each) | Capacity BTUH @ 95°F Ambient by SST |         |         |         |         |        |
|------------|------------------------|-------------------------------------|---------|---------|---------|---------|--------|
|            |                        | 0°F                                 | -10°F   | -15°F   | -20°F   | -30°F   | -40°F  |
| CDD*260BL6 | 4JE-15                 | 183,240                             | 137,940 | 117,800 | 99,120  | 66,340  | 38,320 |
| CDD*300BL6 | 4HE-18                 | 217,240                             | 165,060 | 141,740 | 120,220 | 81,940  | 49,180 |
| CDD*400BL6 | 4GE-23                 | 256,620                             | 197,240 | 170,580 | 145,940 | 102,000 | 64,060 |
| CDD*440BL6 | 6JE-25                 | 272,600                             | 205,520 | 175,560 | 147,720 | 98,860  | —      |
| CDD*500BL6 | 6HE-28                 | 327,600                             | 248,620 | 213,380 | 180,860 | 123,180 | 73,920 |
| CDD*600BL6 | 6GE-34                 | 371,120                             | 282,740 | 243,260 | 206,740 | 141,660 | 85,740 |
| CDD*800BL6 | 6FE-44                 | 453,300                             | 345,740 | 297,820 | 253,560 | 174,900 | —      |

| Model      | Compressor<br>(2 Each) | Capacity BTUH @ 100°F Ambient by SST |         |         |         |         |         |
|------------|------------------------|--------------------------------------|---------|---------|---------|---------|---------|
|            |                        | 0°F                                  | -10°F   | -15°F   | -20°F   | -30°F   | -40°F   |
| CDD*260BL6 | 4JE-15                 | 173,940                              | 130,360 | 110,900 | 93,100  | 61,800  | 35,020  |
| CDD*300BL6 | 4HE-18                 | 206,640                              | 156,500 | 134,100 | 113,300 | 76,760  | 45,520  |
| CDD*400BL6 | 4GE-23                 | 244,820                              | 187,760 | 162,180 | 138,500 | 96,420  | 60,140  |
| CDD*440BL6 | 6JE-25                 | 258,600                              | 194,180 | 165,220 | 138,700 | 92,040  | 52,160  |
| CDD*500BL6 | 6HE-28                 | 311,640                              | 235,740 | 201,840 | 170,500 | 115,420 | —       |
| CDD*600BL6 | 6GE-34                 | 352,820                              | 268,200 | 230,260 | 195,220 | 132,920 | 79,560  |
| CDD*800BL6 | 6FE-44                 | 431,660                              | 328,480 | 282,460 | 239,960 | 164,600 | 100,100 |

| Model      | Compressor<br>(2 Each) | Capacity BTUH @ 110°F Ambient by SST |         |         |         |         |        |
|------------|------------------------|--------------------------------------|---------|---------|---------|---------|--------|
|            |                        | 0°F                                  | -10°F   | -15°F   | -20°F   | -30°F   | -40°F  |
| CDD*260BL6 | 4JE-15                 | 155,620                              | 115,520 | 97,640  | 81,340  | 52,860  | 28,720 |
| CDD*300BL6 | 4HE-18                 | 185,800                              | 139,720 | 119,140 | 100,080 | 66,740  | 38,460 |
| CDD*400BL6 | 4GE-23                 | 221,820                              | 169,260 | 145,740 | 124,040 | 85,540  | 52,640 |
| CDD*440BL6 | 6JE-25                 | 231,560                              | 172,040 | 145,420 | 121,160 | 78,700  | 42,740 |
| CDD*500BL6 | 6HE-28                 | 280,560                              | 210,460 | 179,380 | 150,620 | 100,380 | 57,860 |
| CDD*600BL6 | 6GE-34                 | 317,940                              | 239,760 | 204,920 | 172,640 | 115,960 | 67,700 |
| CDD*800BL6 | 6FE-44                 | 389,580                              | 294,780 | 252,460 | 213,520 | 144,640 | 86,220 |

NOTES:  
 CDD\* = CDD is Adjustable Head Pressure Control, CDDS is Beacon II, CDD\*PP is Parallel Piped  
 Head Fan Required for all operating conditions  
 Liquid Injection via CIC is required

# PERFORMANCE DATA: DUAL VERTICAL AIR DISCHARGE CONDENSING UNIT

## Low Temperature R-407C

| Model      | Compressor<br>(2 Each) | Capacity BTUH @ 90°F Ambient by SST |         |       |       |       |       |
|------------|------------------------|-------------------------------------|---------|-------|-------|-------|-------|
|            |                        | 0°F                                 | -10°F   | -15°F | -20°F | -30°F | -40°F |
| CDD*260BL6 | 4JE-15                 | 167,400                             | 123,800 | —     | —     | —     | —     |
| CDD*300BL6 | 4HE-18                 | 199,260                             | 148,520 | —     | —     | —     | —     |
| CDD*400BL6 | 4GE-23                 | 228,880                             | 171,260 | —     | —     | —     | —     |
| CDD*440BL6 | 6JE-25                 | 249,580                             | 184,580 | —     | —     | —     | —     |
| CDD*500BL6 | 6HE-28                 | 299,860                             | 223,100 | —     | —     | —     | —     |
| CDD*600BL6 | 6GE-34                 | 342,020                             | 255,540 | —     | —     | —     | —     |
| CDD*800BL6 | 6FE-44                 | 419,220                             | 314,960 | —     | —     | —     | —     |

| Model      | Compressor<br>(2 Each) | Capacity BTUH @ 95°F Ambient by SST |         |       |       |       |       |
|------------|------------------------|-------------------------------------|---------|-------|-------|-------|-------|
|            |                        | 0°F                                 | -10°F   | -15°F | -20°F | -30°F | -40°F |
| CDD*260BL6 | 4JE-15                 | 159,340                             | 117,340 | —     | —     | —     | —     |
| CDD*300BL6 | 4HE-18                 | 190,380                             | 141,200 | —     | —     | —     | —     |
| CDD*400BL6 | 4GE-23                 | 218,980                             | 162,940 | —     | —     | —     | —     |
| CDD*440BL6 | 6JE-25                 | 237,580                             | 174,940 | —     | —     | —     | —     |
| CDD*500BL6 | 6HE-28                 | 286,500                             | 212,340 | —     | —     | —     | —     |
| CDD*600BL6 | 6GE-34                 | 326,480                             | 243,080 | —     | —     | —     | —     |
| CDD*800BL6 | 6FE-44                 | 401,180                             | 300,260 | —     | —     | —     | —     |

| Model      | Compressor<br>(2 Each) | Capacity BTUH @ 100°F Ambient by SST |         |       |       |       |       |
|------------|------------------------|--------------------------------------|---------|-------|-------|-------|-------|
|            |                        | 0°F                                  | -10°F   | -15°F | -20°F | -30°F | -40°F |
| CDD*260BL6 | 4JE-15                 | 151,480                              | 110,920 | —     | —     | —     | —     |
| CDD*300BL6 | 4HE-18                 | 181,540                              | 134,060 | —     | —     | —     | —     |
| CDD*400BL6 | 4GE-23                 | 208,860                              | 154,640 | —     | —     | —     | —     |
| CDD*440BL6 | 6JE-25                 | 225,840                              | 165,360 | —     | —     | —     | —     |
| CDD*500BL6 | 6HE-28                 | 273,120                              | 201,420 | —     | —     | —     | —     |
| CDD*600BL6 | 6GE-34                 | 311,160                              | 230,620 | —     | —     | —     | —     |
| CDD*800BL6 | 6FE-44                 | 383,100                              | 285,600 | —     | —     | —     | —     |

| Model      | Compressor<br>(2 Each) | Capacity BTUH @ 110°F Ambient by SST |         |       |       |       |       |
|------------|------------------------|--------------------------------------|---------|-------|-------|-------|-------|
|            |                        | 0°F                                  | -10°F   | -15°F | -20°F | -30°F | -40°F |
| CDD*260BL6 | 4JE-15                 | 135,900                              | 98,100  | —     | —     | —     | —     |
| CDD*300BL6 | 4HE-18                 | 163,700                              | 119,720 | —     | —     | —     | —     |
| CDD*400BL6 | 4GE-23                 | 188,760                              | 138,400 | —     | —     | —     | —     |
| CDD*440BL6 | 6JE-25                 | 202,600                              | 146,240 | —     | —     | —     | —     |
| CDD*500BL6 | 6HE-28                 | 246,240                              | 179,800 | —     | —     | —     | —     |
| CDD*600BL6 | 6GE-34                 | 281,400                              | 206,280 | —     | —     | —     | —     |
| CDD*800BL6 | 6FE-44                 | 347,720                              | 256,460 | —     | —     | —     | —     |

### NOTES:

CDD\* = CDD is Adjustable Head Pressure Control, CDDS is Beacon II, CDD\*PP is Parallel Piped

HEAD FAN REQUIRED

# PERFORMANCE DATA: DUAL VERTICAL AIR DISCHARGE CONDENSING UNIT

## Low Temperature R-448A/R-449A

| Model      | Compressor<br>(2 Each) | Capacity BTUH @ 90°F Ambient by SST |         |         |         |         |         |
|------------|------------------------|-------------------------------------|---------|---------|---------|---------|---------|
|            |                        | 0°F                                 | -10°F   | -15°F   | -20°F   | -30°F   | -40°F   |
| CDD*260BL6 | 4JE-15                 | 197,840                             | 151,860 | 131,660 | 113,100 | 80,940  | 53,960  |
| CDD*300BL6 | 4HE-18                 | 232,360                             | 179,460 | 156,160 | 134,840 | 97,540  | 66,140  |
| CDD*400BL6 | 4GE-23                 | 269,980                             | 210,020 | 183,660 | 159,360 | 116,780 | 80,600  |
| CDD*440BL6 | 6JE-25                 | 293,000                             | 224,980 | 195,200 | 167,920 | 120,780 | 81,360  |
| CDD*500BL6 | 6HE-28                 | 343,940                             | 265,400 | 230,880 | 199,400 | 144,420 | 98,360  |
| CDD*600BL6 | 6GE-34                 | 404,300                             | 316,340 | 277,580 | 241,860 | 179,080 | 125,540 |
| CDD*800BL6 | 6FE-44                 | 485,960                             | 378,260 | 330,800 | 286,920 | 209,520 | 143,700 |

| Model      | Compressor<br>(2 Each) | Capacity BTUH @ 95°F Ambient by SST |         |         |         |         |       |
|------------|------------------------|-------------------------------------|---------|---------|---------|---------|-------|
|            |                        | 0°F                                 | -10°F   | -15°F   | -20°F   | -30°F   | -40°F |
| CDD*260BL6 | 4JE-15                 | 189,200                             | 144,780 | 125,260 | 107,320 | 76,280  | —     |
| CDD*300BL6 | 4HE-18                 | 222,480                             | 171,460 | 148,980 | 128,440 | 92,440  | —     |
| CDD*400BL6 | 4GE-23                 | 258,900                             | 201,100 | 175,740 | 152,340 | 111,340 | —     |
| CDD*440BL6 | 6JE-25                 | 280,300                             | 214,560 | 185,740 | 159,360 | 113,840 | —     |
| CDD*500BL6 | 6HE-28                 | 329,420                             | 253,560 | 220,240 | 189,820 | 136,700 | —     |
| CDD*600BL6 | 6GE-34                 | 388,280                             | 303,520 | 266,180 | 231,680 | 170,880 | —     |
| CDD*800BL6 | 6FE-44                 | 466,620                             | 362,760 | 316,600 | 274,140 | 199,100 | —     |

| Model      | Compressor<br>(2 Each) | Capacity BTUH @ 100°F Ambient by SST |         |         |         |         |       |
|------------|------------------------|--------------------------------------|---------|---------|---------|---------|-------|
|            |                        | 0°F                                  | -10°F   | -15°F   | -20°F   | -30°F   | -40°F |
| CDD*260BL6 | 4JE-15                 | 180,740                              | 137,720 | 118,860 | 101,540 | 71,600  | —     |
| CDD*300BL6 | 4HE-18                 | 212,600                              | 163,480 | 141,820 | 122,020 | 87,340  | —     |
| CDD*400BL6 | 4GE-23                 | 247,780                              | 192,340 | 167,820 | 145,320 | 105,860 | —     |
| CDD*440BL6 | 6JE-25                 | 267,660                              | 204,140 | 176,320 | 150,820 | 106,920 | —     |
| CDD*500BL6 | 6HE-28                 | 314,860                              | 241,720 | 209,560 | 180,000 | 128,940 | —     |
| CDD*600BL6 | 6GE-34                 | 372,180                              | 290,560 | 254,620 | 221,360 | 162,620 | —     |
| CDD*800BL6 | 6FE-44                 | 447,060                              | 346,820 | 302,280 | 261,220 | 188,560 | —     |

| Model      | Compressor<br>(2 Each) | Capacity BTUH @ 110°F Ambient by SST |         |         |         |       |       |
|------------|------------------------|--------------------------------------|---------|---------|---------|-------|-------|
|            |                        | 0°F                                  | -10°F   | -15°F   | -20°F   | -30°F | -40°F |
| CDD*260BL6 | 4JE-15                 | 163,620                              | 123,680 | 106,060 | 90,080  | —     | —     |
| CDD*300BL6 | 4HE-18                 | 192,880                              | 147,580 | 127,560 | 109,160 | —     | —     |
| CDD*400BL6 | 4GE-23                 | 225,760                              | 174,620 | 152,080 | 131,420 | —     | —     |
| CDD*440BL6 | 6JE-25                 | 242,780                              | 183,500 | 157,400 | 133,880 | —     | —     |
| CDD*500BL6 | 6HE-28                 | 285,720                              | 217,960 | 188,140 | 160,760 | —     | —     |
| CDD*600BL6 | 6GE-34                 | 339,180                              | 264,500 | 231,120 | 200,280 | —     | —     |
| CDD*800BL6 | 6FE-44                 | 407,060                              | 314,640 | 273,320 | 235,160 | —     | —     |

### NOTES:

CDD\* = CDD is Adjustable Head Pressure Control, CDDS is Beacon II, CDD\*PP is Parallel Piped

Head Fan Required for all operating conditions

Maximum Suction Gas Superheat <=35°F

# ELECTRICAL DATA: DUAL VERTICAL AIR DISCHARGE CONDENSING UNIT

## 208-230 Volts

| Model      | Compressor Model (2 Each) | Condensing Unit |       |           |      |                          |       | Remote Loads ‡                                |                    |                  |      |
|------------|---------------------------|-----------------|-------|-----------|------|--------------------------|-------|-----------------------------------------------|--------------------|------------------|------|
|            |                           | Compressor      |       | Condenser |      | Air Defrost or Beacon II |       | Evap. Fan Amps                                | Defrost Htrs. Amps | Electric Defrost |      |
|            |                           | RLA             | LRA   | No. Fans  | FLA  | MCA                      | MOPD  |                                               |                    | MCA              | MOPD |
| CDD*300BM6 | 4PES-15                   | 53.8            | 294.0 | 4         | 19.2 | 141.0                    | 175.0 | Contact Factory for System Electrical Ratings |                    |                  |      |
| CDD*400BM6 | 4NES-20                   | 63.8            | 352.0 | 4         | 28   | 172.0                    | 225.0 |                                               |                    |                  |      |
| CDD*440BM6 | 4JE-22                    | 68.1            | 352.0 | 4         | 28   | 182.0                    | 225.0 |                                               |                    |                  |      |
| CDD*500BM6 | 4HE-25                    | 83.7            | 436.0 | 4         | 28   | 231.0                    | 300.0 |                                               |                    |                  |      |
| CDD*600BM6 | 4GE-30                    | 99.2            | 490.0 | 6         | 42   | 266.0                    | 350.0 |                                               |                    |                  |      |
| CDD*660BM6 | 6JE-33                    | 110.6           | 550.0 | 6         | 42   | 291.0                    | 400.0 |                                               |                    |                  |      |
| CDD*700BM6 | 6HE-35                    | 116.2           | 550.0 | 6         | 42   | 318.0                    | 400.0 |                                               |                    |                  |      |
| CDD*800BM6 | 6GE-40                    | 156.0           | 700.0 | 8         | 56   | 407.0                    | 500.0 |                                               |                    |                  |      |
| CDD*110BM6 | 6FE-50                    | 158.8           | 950.0 | 8         | 56   | 414.0                    | 500.0 |                                               |                    |                  |      |
| CDD*260BL6 | 4JE-15                    | 55.3            | 352.0 | 4         | 19.2 | 144.0                    | 175.0 |                                               |                    |                  |      |
| CDD*300BL6 | 4HE-18                    | 59.8            | 352.0 | 4         | 19.2 | 154.0                    | 200.0 |                                               |                    |                  |      |
| CDD*400BL6 | 4GE-23                    | 63.8            | 352.0 | 4         | 19.2 | 163.0                    | 225.0 |                                               |                    |                  |      |
| CDD*440BL6 | 6JE-25                    | 78.5            | 490.0 | 4         | 28   | 205.0                    | 250.0 |                                               |                    |                  |      |
| CDD*500BL6 | 6HE-28                    | 85.8            | 490.0 | 4         | 28   | 221.0                    | 300.0 |                                               |                    |                  |      |
| CDD*600BL6 | 6GE-34                    | 93.6            | 490.0 | 4         | 28   | 239.0                    | 300.0 |                                               |                    |                  |      |
| CDD*800BL6 | 6FE-44                    | 107.8           | 700.0 | 6         | 42   | 285.0                    | 350.0 |                                               |                    |                  |      |

## 460/3/60 Volts

| Model      | Compressor Model (2 Each) | Condensing Unit |       |           |     |                          |       | Remote Loads ‡                                |                    |                  |      |
|------------|---------------------------|-----------------|-------|-----------|-----|--------------------------|-------|-----------------------------------------------|--------------------|------------------|------|
|            |                           | Compressor      |       | Condenser |     | Air Defrost or Beacon II |       | Evap. Fan Amps                                | Defrost Htrs. Amps | Electric Defrost |      |
|            |                           | RLA             | LRA   | No. Fans  | FLA | MCA                      | MOPD  |                                               |                    | MCA              | MOPD |
| CDD*300BM6 | 4PES-15                   | 24.4            | 147.0 | 4         | 9.6 | 65.0                     | 80.0  | Contact Factory for System Electrical Ratings |                    |                  |      |
| CDD*400BM6 | 4NES-20                   | 28.8            | 176.0 | 4         | 14  | 79.0                     | 100.0 |                                               |                    |                  |      |
| CDD*440BM6 | 4JE-22                    | 30.8            | 176.0 | 4         | 14  | 84.0                     | 110.0 |                                               |                    |                  |      |
| CDD*500BM6 | 4HE-25                    | 37.8            | 218.0 | 4         | 14  | 107.0                    | 125.0 |                                               |                    |                  |      |
| CDD*600BM6 | 4GE-30                    | 44.9            | 245.0 | 6         | 21  | 122.0                    | 150.0 |                                               |                    |                  |      |
| CDD*660BM6 | 6JE-33                    | 50.0            | 275.0 | 6         | 21  | 134.0                    | 175.0 |                                               |                    |                  |      |
| CDD*700BM6 | 6HE-35                    | 52.6            | 275.0 | 6         | 21  | 147.0                    | 175.0 |                                               |                    |                  |      |
| CDD*800BM6 | 6GE-40                    | 70.5            | 350.0 | 8         | 28  | 187.0                    | 250.0 |                                               |                    |                  |      |
| CDD*110BM6 | 6FE-50                    | 71.8            | 425.0 | 8         | 28  | 190.0                    | 250.0 |                                               |                    |                  |      |
| CDD*260BL6 | 4JE-15                    | 25.0            | 176.0 | 4         | 9.6 | 66.0                     | 90.0  |                                               |                    |                  |      |
| CDD*300BL6 | 4HE-18                    | 27.1            | 176.0 | 4         | 9.6 | 71.0                     | 90.0  |                                               |                    |                  |      |
| CDD*400BL6 | 4GE-23                    | 28.8            | 176.0 | 4         | 9.6 | 75.0                     | 100.0 |                                               |                    |                  |      |
| CDD*440BL6 | 6JE-25                    | 35.5            | 245.0 | 4         | 14  | 94.0                     | 125.0 |                                               |                    |                  |      |
| CDD*500BL6 | 6HE-28                    | 38.8            | 245.0 | 4         | 14  | 102.0                    | 125.0 |                                               |                    |                  |      |
| CDD*600BL6 | 6GE-34                    | 42.3            | 245.0 | 4         | 14  | 110.0                    | 150.0 |                                               |                    |                  |      |
| CDD*800BL6 | 6FE-44                    | 48.7            | 350.0 | 6         | 21  | 131.0                    | 175.0 |                                               |                    |                  |      |

### NOTES:

CDD\* = CDD is Adjustable Head Pressure Control, CDDS is Beacon II, CDD\*PP is Parallel Piped  
 ‡ = Condensing unit data plate ratings will be based on actual system match.  
 Ratings shown at 60Hz. Consult factory for 50Hz applications.

Beacon II™ and Air Defrost Units do not carry any of the evaporator fan or heater loads.  
 Power is supplied directly to the evaporators and does not go through the condensing unit.

An evaporator heater hold out relay (option) is recommended when two or more evaporators are connected to a single (BLV/ BBV) condensing unit to allow termination on coils that have already defrosted to prevent unnecessary steaming. This option is not needed on Beacon II™ (BDVS) systems wired for a Master / Slave operation. Power is supplied to each Beacon evaporator. Each coil terminates its own defrost. Refrigeration will not start until all coils have terminated defrost.

# ELECTRICAL DATA: DUAL VERTICAL AIR DISCHARGE CONDENSING UNIT

575/3/60 Volts

| Model      | Compressor Model<br>(2 Each) | Condensing Unit |       |           |      |                          |       | Remote Loads ‡                                   |                    |                  |      |
|------------|------------------------------|-----------------|-------|-----------|------|--------------------------|-------|--------------------------------------------------|--------------------|------------------|------|
|            |                              | Compressor      |       | Condenser |      | Air Defrost or Beacon II |       | Evap. Fan Amps                                   | Defrost Htrs. Amps | Electric Defrost |      |
|            |                              | RLA             | LRA   | No. Fans  | FLA  | MCA                      | MOPD  |                                                  |                    | MCA              | MOPD |
| CDD*300BM6 | 4PES-15                      | 19.6            | 117.0 | 4         | 9.2  | 54.0                     | 70.0  | Contact Factory for<br>System Electrical Ratings |                    |                  |      |
| CDD*400BM6 | 4NES-20                      | 23.6            | 140.0 | 4         | 11.2 | 65.0                     | 80.0  |                                                  |                    |                  |      |
| CDD*440BM6 | 4JE-22                       | 24.4            | 140.0 | 4         | 11.2 | 67.0                     | 90.0  |                                                  |                    |                  |      |
| CDD*500BM6 | 4HE-25                       | 30.1            | 174.0 | 4         | 11.2 | 85.0                     | 110.0 |                                                  |                    |                  |      |
| CDD*600BM6 | 4GE-30                       | 35.9            | 196.0 | 6         | 16.8 | 98.0                     | 125.0 |                                                  |                    |                  |      |
| CDD*660BM6 | 6JE-33                       | 39.7            | 220.0 | 6         | 16.8 | 107.0                    | 125.0 |                                                  |                    |                  |      |
| CDD*700BM6 | 6HE-35                       | 41.7            | 220.0 | 6         | 16.8 | 117.0                    | 150.0 |                                                  |                    |                  |      |
| CDD*800BM6 | 6GE-40                       | 56.4            | 280.0 | 8         | 22.4 | 150.0                    | 200.0 |                                                  |                    |                  |      |
| CDD*110BM6 | 6FE-50                       | 57.1            | 340.0 | 8         | 22.4 | 151.0                    | 200.0 |                                                  |                    |                  |      |
| CDD*260BL6 | 4JE-15                       | 20.0            | 140.0 | 4         | 9.2  | 55.0                     | 70.0  |                                                  |                    |                  |      |
| CDD*300BL6 | 4HE-18                       | 21.7            | 140.0 | 4         | 9.2  | 58.0                     | 70.0  |                                                  |                    |                  |      |
| CDD*400BL6 | 4GE-23                       | 23.1            | 140.0 | 4         | 9.2  | 62.0                     | 80.0  |                                                  |                    |                  |      |
| CDD*440BL6 | 6JE-25                       | 28.4            | 196.0 | 4         | 11.2 | 76.0                     | 100.0 |                                                  |                    |                  |      |
| CDD*500BL6 | 6HE-28                       | 31.0            | 196.0 | 4         | 11.2 | 82.0                     | 110.0 |                                                  |                    |                  |      |
| CDD*600BL6 | 6GE-34                       | 33.3            | 196.0 | 4         | 11.2 | 87.0                     | 110.0 |                                                  |                    |                  |      |
| CDD*800BL6 | 6FE-44                       | 39.1            | 280.0 | 6         | 16.8 | 105.0                    | 125.0 |                                                  |                    |                  |      |

## NOTES:

CDD\* = CDD is Adjustable Head Pressure Control, CDDs is Beacon II, CDD\*PP is Parallel Piped  
 ‡ = Condensing unit data plate ratings will be based on actual system match.  
 Ratings shown at 60Hz. Consult factory for 50Hz applications.

Beacon II™ and Air Defrost Units do not carry any of the evaporator fan or heater loads.  
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An evaporator heater hold out relay (option) is recommended when two or more evaporators are connected to a single (BLV/BBV) condensing unit to allow termination on coils that have already defrosted to prevent unnecessary steaming. This option is not needed on Beacon II™ (BDVS) systems wired for a Master / Slave operation. Power is supplied to each Beacon evaporator. Each coil terminates its own defrost. Refrigeration will not start until all coils have terminated defrost.

# UNIT SPECIFICATIONS: DUAL VERTICAL AIR DISCHARGE CONDENSING UNIT

## Medium and Low Temperature

| Model      | Compressor Model (2 Each) | HP  | Connections (in.) |         |                |         | Receiver 90% Full (Lbs) |                   |                | Dimension A (In.) | Net Wt. Lbs (Lbs) |
|------------|---------------------------|-----|-------------------|---------|----------------|---------|-------------------------|-------------------|----------------|-------------------|-------------------|
|            |                           |     | Standard (2 Each) |         | Parallel Piped |         |                         |                   |                |                   |                   |
|            |                           |     | Liquid            | Suction | Liquid         | Suction | Standard (2 Each)       | Optional (2 Each) | Parallel Piped |                   |                   |
| CDD*300BM6 | 4PES-15                   | 30  | 7/8               | 1 5/8   | 1 1/8          | 2 1/8   | 123                     | 81                | 188            | 144               | 3,260             |
| CDD*400BM6 | 4NES-20                   | 40  | 7/8               | 1 5/8   | 1 1/8          | 2 1/8   | 123                     | 81                | 188            | 171               | 3,620             |
| CDD*440BM6 | 4JE-22                    | 44  | 1 1/8             | 2 1/8   | 1 1/8          | 2 1/8   | 123                     | 81                | 269            | 171               | 3,760             |
| CDD*500BM6 | 4HE-25                    | 50  | 1 1/8             | 2 1/8   | 1 3/8          | 2 5/8   | 123                     | 81                | 269            | 171               | 3,800             |
| CDD*600BM6 | 4GE-30                    | 60  | 1 1/8             | 2 1/8   | 1 3/8          | 2 5/8   | 188                     | 123               | 269            | 226               | 4,620             |
| CDD*660BM6 | 6JE-33                    | 66  | 1 1/8             | 2 1/8   | 1 3/8          | 2 5/8   | 188                     | 123               | 269            | 226               | 4,640             |
| CDD*700BM6 | 6HE-35                    | 70  | 1 1/8             | 2 1/8   | 1 5/8          | 3 1/8   | 188                     | 123               | 363            | 226               | 4,640             |
| CDD*800BM6 | 6GE-40                    | 80  | 1 1/8             | 2 1/8   | 1 5/8          | 3 1/8   | 188                     | 123               | 363            | 281               | 5,740             |
| CDD*110BM6 | 6FE-50                    | 100 | 1 1/8             | 2 1/8   | 1 5/8          | 3 1/8   | 188                     | 123               | 363            | 281               | 5,780             |
| CDD*260BL6 | 4JE-15                    | 26  | 7/8               | 1 5/8   | 1 1/8          | 2 1/8   | 81                      | 29                | 188            | 144               | 3,120             |
| CDD*300BL6 | 4HE-18                    | 30  | 7/8               | 1 5/8   | 1 1/8          | 2 5/8   | 81                      | 29                | 188            | 144               | 3,160             |
| CDD*400BL6 | 4GE-23                    | 40  | 7/8               | 2 1/8   | 1 1/8          | 2 5/8   | 81                      | 29                | 188            | 144               | 3,280             |
| CDD*440BL6 | 6JE-25                    | 44  | 7/8               | 2 1/8   | 1 3/8          | 3 1/8   | 123                     | 81                | 269            | 171               | 3,620             |
| CDD*500BL6 | 6HE-28                    | 50  | 1 1/8             | 2 1/8   | 1 3/8          | 3 1/8   | 123                     | 81                | 269            | 171               | 3,800             |
| CDD*600BL6 | 6GE-34                    | 60  | 1 1/8             | 2 1/8   | 1 3/8          | 3 1/8   | 123                     | 81                | 269            | 171               | 3,800             |
| CDD*800BL6 | 6FE-44                    | 80  | 1 1/8             | 2 1/8   | 1 3/8          | 3 1/8   | 188                     | 81                | 363            | 226               | 4,620             |

### NOTES:

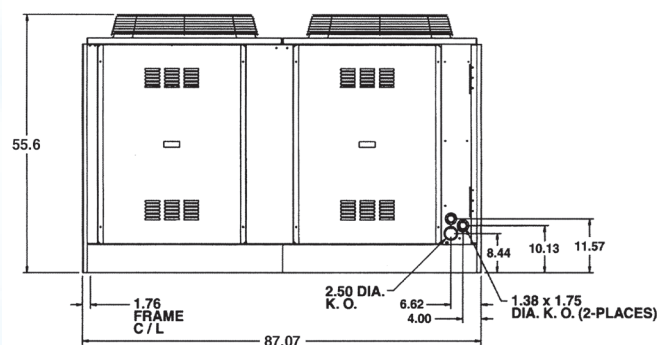
CDD\* = CDD is Adjustable Head Pressure Control, CDDS is Beacon II, CDD\*PP is Parallel Piped

## AWEF VALUES:

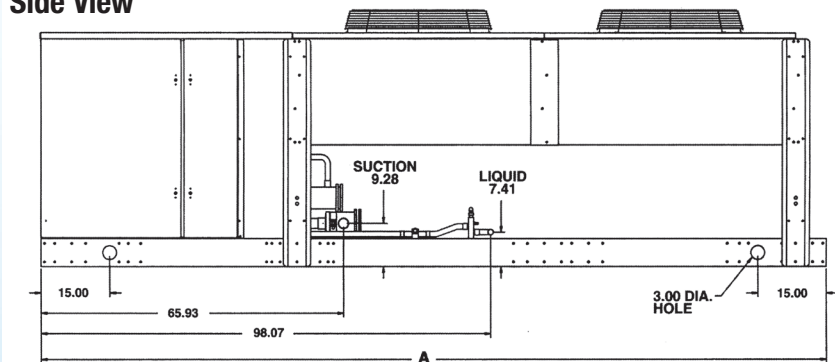
### MEDIUM TEMPERATURE CONDENSING UNITS

| Model      | Outdoor / Parallel Piped / Beacon II |                   |        |                   |
|------------|--------------------------------------|-------------------|--------|-------------------|
|            | R-404A/<br>R-507A                    | R-407A/<br>R-407F | R-407C | R-448A/<br>R-449A |
| CDD*300BM6 | 8.94                                 | 8.22              | 8.14   | 7.83              |
| CDD*400BM6 | 9.26                                 | 8.54              | 8.47   | 8.19              |
| CDD*440BM6 | 9.40                                 | 8.65              | 7.73   | 8.23              |
| CDD*500BM6 | 9.51                                 | 8.85              | 7.92   | 8.41              |
| CDD*600BM6 | 9.15                                 | 8.53              | 7.61   | 8.04              |
| CDD*660BM6 | 9.48                                 | 8.66              | 7.57   | 8.13              |
| CDD*700BM6 | 9.26                                 | 8.82              | 7.76   | 8.26              |
| CDD*800BM6 | 9.16                                 | 8.70              | 7.61   | 8.03              |
| CDD*110BM6 | 9.23                                 | 8.91              | 7.78   | 8.34              |

### End View



### Side View





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**CLIMATE**  
  
**CONTROL**

Since product improvement is a continuing effort, we reserve the right to make changes in specifications without notice.

CB-CUBZTB-0118 | Version 001