MAGNA
INDUSTRIAL REFRIGERATION



# HEAVY-DUTY VERTICAL AIR-COOLED CONDENSING UNITS

Technical Guide


HEATCRAFT™
Worldwide Refrigeration

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# FEATURES & BENEFITS

## QUALITY

- All joints are sweat type connections, no mechanical joints to leak
- Fixed high and adjustable low pressure switch
- Piping is laid out to minimize stress and vibration and is pre-bent to eliminate braze joints where possible to reduce leak potential
- Pressure relief valve on receiver
- Refrigeration duty, rifled copper condenser tubing
- Separate subcooling circuit in condenser for added capacity and vapor free liquid
- Servicemate diagnostic module standard on all non-Beacon condensing units
- Sight glass is easily viewable
- NEMA rated Contactors
- Multi colored wired based on supply Voltage

## SERVICEABILITY

- Convenient access panels to easily service internal components
- Large NEMA 3R rated electrical panel to facilitate ease of access
- Manual pumpdown switch on all units
- Lighted electrical box with battery back-up
- Hinged venturi fan panels for easy access
- Removable Higned access doors for ease of access to compressors

## COMPONENTS

- Receivers are sized for sufficient pumpdown capacity with inlet and outlet service valves
- Sight glass and permanent liquid line filter
- Spring-mounted compressors with suction and discharge vibration eliminators
- High efficiency EC motors
- High pressure switch-auto reset
- Adjustable head pressure control
- Aluminum fin coil

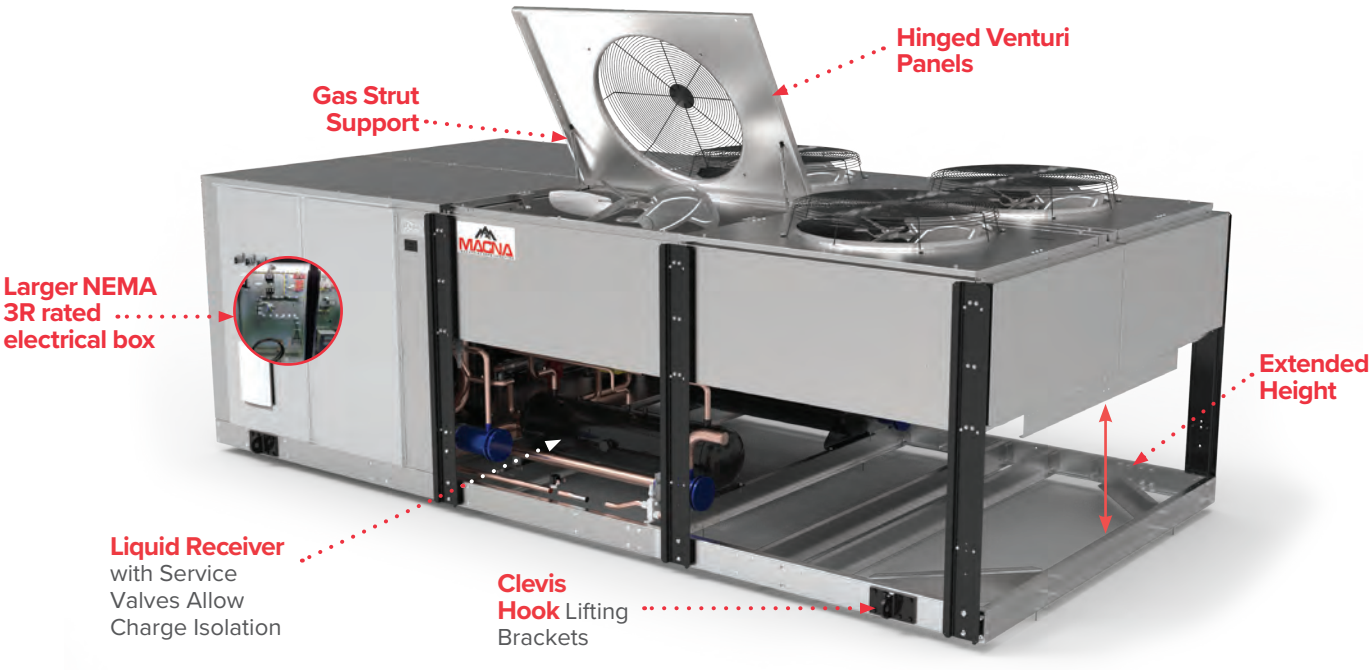
## CABINET AND CONSTRUCTION

- All units feature the floating tube coil which eliminates tube sheet leaks
- Galvinzed steel with G90 Finish for superior strength and corrosion resistance
- Clevis hook-up brackets to aid unit installation

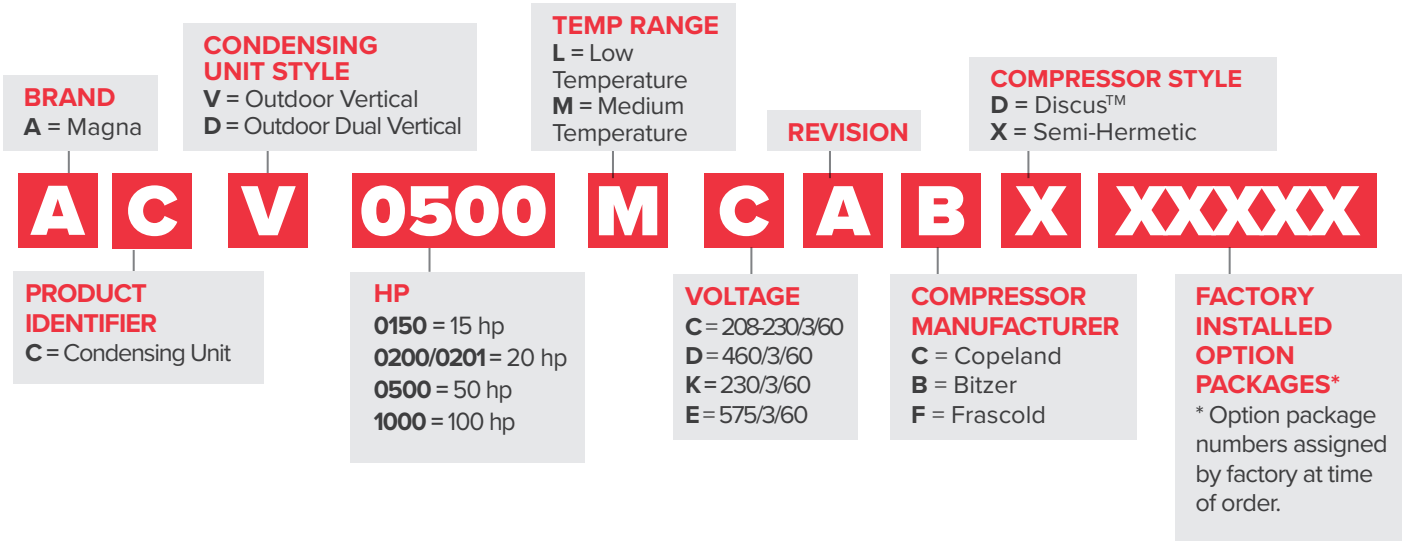
## ADDITIONAL STANDARD FEATURES FOR PARALLEL PIPED UNITS

- Replacable Core Liquid Line Filter-Drier
- Replacable Core suction filter
- Suction standard Accumulator and Boil out accumulator
- Oil Management System

## OUTSTANDING FEATURES



# NOMENCLATURE




# STANDARD FEATURES

| |
|---|
| Aluminum Fin Coil |
| Adjustable Head Pressure Control (150 psi for Medium Temp. and 100 psi for Low Temp.) |
| Sealed Liquid Line Filter Drier (Liquid Standard) |
| Liquid Line Sight Glass (Liquid Standard) |
| High Pressure Switch- Auto Reset - Mechanical Safety |
| High and Low Pressure are Monitored using Johnson Controller |
| Colescant Oil Seperator is Standard on Low Temp Application |
| Totally Enclosed Air over Motors |
| Hinged Venturi Fan Panels with Gas Struts for Easy Access |

# ELECTRICAL OPTIONS

| Option | Outdoor |
|---|---|
| Air or Electric Defrost Timer | **Option** |
| intelliGen | **Option** |
| Remote Load Defrost Heater Circuit Breaker | **Option** |
| Fan Cycling-Temperature | **Option** |
| Fan Cycling-Pressure | **Option** |
| Unit Circuit Breaker Disconnect | **Option** |
| Compressor Circuit Breaker | **Option** |
| Phase Loss Monitor | **Option** |
| Variable Speed Motor Package | **Option** |
| Low Ambient Kit with Heated and Insulated Receiver | **Option** |
| Evaporator Hold Off Relay | **Option** |
| Compressor Head Cooling Fan | **Option** |
| Convenience Outlet | **Option** |

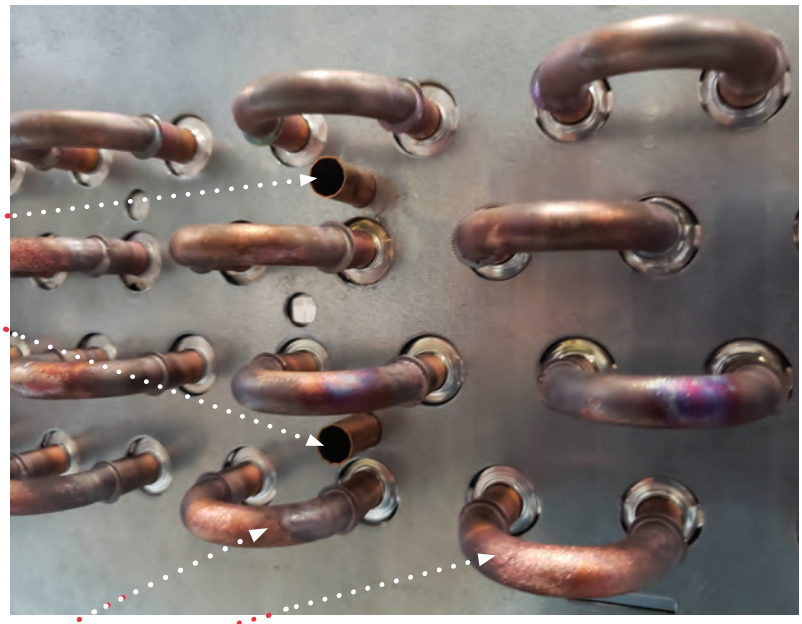
# MECHANICAL OPTIONS

| Option | Outdoor |
|---|---|
| Replacable Core Liquid Line Filter Drier and Sight Glass | **Option** |
| Liquid Line Filter Drier, Sight Glass, and Solenoid Valve | **Option** |
| Suction Line Filter | **Option** |
| Replacable Core Suction Line Filter | **Option** |
| Suction Standard Accumulator and Boil Out Accumulator | **Option** |
| Suction Line Insulation | **Option** |
| Oil Seperator with Discharge Line Check Valve | **Option** |
| Discharge Muffler | **Option** |
| 3-Way Heat Reclaim Valve and Check Valve with Coalescent Oil Seperator | **Option** |
| 3-Way Heat Reclaim Valve and Check Valve | **Option** |
| Compressor Unloading Copeland | **Option** |
| Compressor Unloading for Bitzer | **Option** |
| Compressor Discharge Temperature Control | **Option** |
| Recevier Level Switch | **Option** |

# SINGLE & DUAL COMPRESSORS

Units featuring 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.

# ADJUSTABLE HEAD PRESSURE CONTROL

## Resource II

Heatcraft's most energy efficient low ambient head pressure control. This system provides year round control of refrigerant head pressure without the use of special refrigerant expansion valves.

Resource II combines the benefits of refrigerant subcooling and reduced discharged pressure during mild ambient conditions. As the ambient temperature falls the system is allowed to fall to approximately of 70°F saturated condensing temperature. The reduced discharge pressure at the compressor increases the compressor capacity and lowers the input watts from the compressor motor. Resource II also uses the reduced ambient temperature to subcool the liquid refrigerant in the condenser. This subcooled liquid also increases system capacity. As a general rule, every one degree of subcooling results in a 1/2% increase in system capacity. Together these result in greater efficiency, greater capacity, and reduced run time.

## Benefits

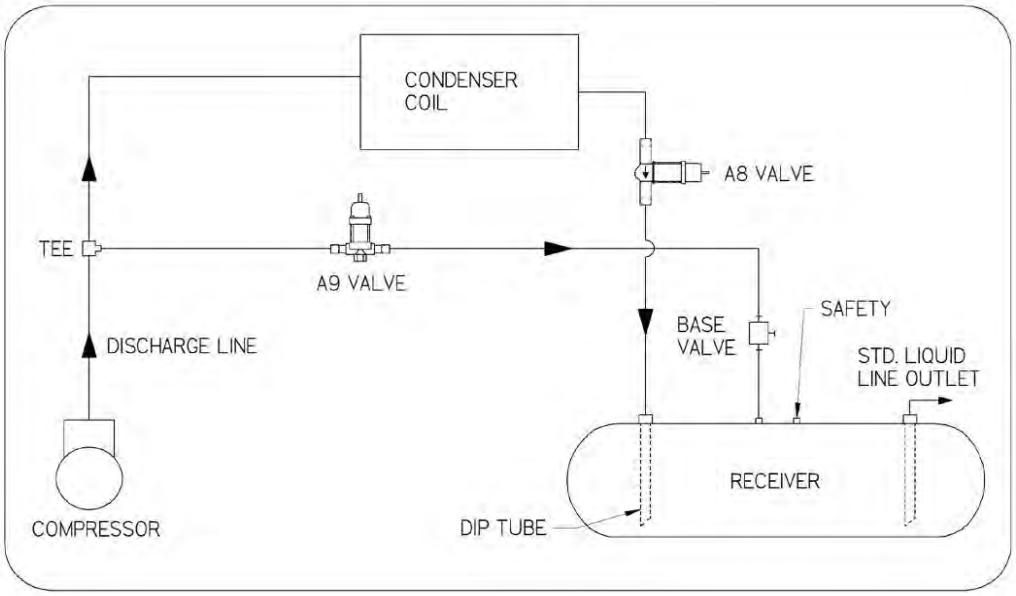
- Automatic year round control of refrigerant head pressure without the use of special expansion valves.
- Energy savings in mild ambient conditions due to reduced compressor discharge pressure and refrigerant subcooling.
- Provides easy restart during low ambient conditions.

## Operation

As the ambient temperature falls, the system condensing pressure is also reduced. This pressure is maintained by a regulator (A8 Valve) at the condenser drain. At approximately 70°F saturated condensing temperature the regulator restricts the flow of liquid refrigerant from the condenser causing the condenser to flood. This condenser flooding allows the liquid refrigerant in the condenser to become subcooled by the ambient air flowing through the condenser. As the regulator continues to flood the condenser a pressure differential will be established between the receiver and the compressor discharge. At a predescribed differential, a second valve (A9 Valve) will open and allow discharge gas from the compressor to bypass the condenser and flow into the top of the receiver. This gas is used to pressurize the receiver.

Both the inlet and outlet tubes of the receiver have dip tubes which are immersed in liquid refrigerant. The liquid in the receiver acts as an insulator from the vapor area of the receiver. This unique design minimizes the contact of the hot gas used to pressurize the receiver through the (A9) valve. This allows bypass vapor to pressurize the receiver while reheat of the subcooled liquid is minimized.

Subcooled liquid is further enhanced by the routing of liquid from the receiver liquid line outlet to the condenser before leaving the condensing unit.



# PERFORMANCE DATA – R-404A/R-507A

Medium Temperature - Copeland Discus™ Compressor Models

| R-404A/R-507A | | Capacity BTUH @ 90°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 40°F | 35°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F | -10°F |
| ACV0150M^ACD | 3DS3R17ME | 206,790 | 190,420 | 174,750 | 159,610 | 145,190 | 131,720 | 118,990 | 96,110 | 76,000 |
| ACV0151M^ACD | 3DS3R17ME | 201,510 | 185,890 | 170,550 | 156,200 | 142,480 | 129,660 | 117,350 | 95,000 | 75,360 |
| ACV0200M^ACD | 4DBNR20ME | 243,220 | 226,280 | 209,050 | 191,700 | 174,890 | 158,790 | 143,430 | 115,450 | 93,420 |
| ACV0201M^ACD | 4DBNR20ME | 258,520 | 239,250 | 220,190 | 200,920 | 182,480 | 164,710 | 148,120 | 118,500 | 95,300 |
| ACV0250M^ACD | 4DHNR22ME | 257,540 | 240,010 | 222,230 | 204,270 | 186,720 | 169,380 | 153,050 | 123,510 | 100,160 |
| ACV0251M^ACD | 4DHNR22ME | 272,900 | 252,770 | 233,050 | 213,410 | 194,470 | 175,730 | 158,260 | 126,970 | 102,360 |
| ACV0260M^ACD | 4DHNR22ME | 261,150 | 242,830 | 224,340 | 205,610 | 187,700 | 170,340 | 153,900 | 123,840 | 100,400 |
| ACV0300M^ACD | 4DJNR28ME | 323,680 | 298,750 | 274,590 | 250,820 | 228,550 | 207,320 | 187,210 | 150,150 | 118,310 |
| ACV0301M^ACD | 4DJNR28ME | 351,690 | 322,700 | 294,280 | 267,380 | 241,860 | 218,170 | 195,790 | 155,630 | 121,340 |
| ACV0350M^ACD | 6DHNR35ME | 402,010 | 371,610 | 342,040 | 312,990 | 285,700 | 260,020 | 235,730 | 190,650 | - |
| ACV0351M^ACD | 6DHNR35ME | 431,100 | 396,440 | 362,720 | 330,810 | 299,820 | 271,580 | 244,520 | 196,490 | - |
| ACV0400M*ACD | 6DJNR40ME | 467,000 | 433,040 | 399,670 | 366,690 | 335,570 | 305,760 | 277,530 | 225,320 | - |
| ACV0401M*ACD | 6DJNR40ME | 515,850 | 473,980 | 433,590 | 394,930 | 358,500 | 324,480 | 292,370 | 235,120 | - |
| ACV0500MDACD | 6DUNR49ME | 548,620 | 511,420 | 475,550 | 437,730 | 401,280 | 365,620 | 331,180 | 269,840 | 222,360 |

| R-404A/R-507A | | Capacity BTUH @ 95°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 40°F | 35°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F | -10°F |
| **ACV0150M^ACD** | **3DS3R17ME** | **197,530** | **181,810** | **166,790** | **152,680** | **139,010** | **126,270** | **114,090** | **92,220** | **72,900** |
| **ACV0151M^ACD** | **3DS3R17ME** | **192,030** | **177,340** | **162,930** | **149,330** | **136,380** | **124,120** | **112,480** | **91,130** | **72,280** |
| **ACV0200M^ACD** | **4DBNR20ME** | **231,700** | **215,610** | **199,350** | **183,190** | **166,910** | **151,520** | **136,830** | **110,090** | **89,080** |
| **ACV0201M^ACD** | **4DBNR20ME** | **247,090** | **228,620** | **210,290** | **191,820** | **174,250** | **157,420** | **141,370** | **113,030** | **90,880** |
| **ACV0250M^ACD** | **4DHNR22ME** | **245,210** | **228,060** | **211,670** | **194,800** | **177,650** | **161,580** | **146,180** | **117,960** | **95,530** |
| **ACV0251M^ACD** | **4DHNR22ME** | **260,400** | **241,330** | **222,480** | **203,850** | **185,720** | **167,930** | **151,060** | **121,140** | **97,670** |
| **ACV0260M^ACD** | **4DHNR22ME** | **249,060** | **231,690** | **214,110** | **196,270** | **179,170** | **162,620** | **146,830** | **118,110** | **95,760** |
| **ACV0300M^ACD** | **4DJNR28ME** | **307,720** | **284,340** | **261,380** | **238,930** | **217,770** | **197,870** | **178,450** | **143,340** | **113,160** |
| **ACV0301M^ACD** | **4DJNR28ME** | **336,170** | **308,060** | **281,160** | **255,240** | **231,070** | **208,300** | **186,930** | **148,620** | **116,030** |
| **ACV0350M^ACD** | **6DHNR35ME** | **382,280** | **353,730** | **325,760** | **298,100** | **272,590** | **248,150** | **225,000** | **181,840** | **-** |
| **ACV0351M^ACD** | **6DHNR35ME** | **410,830** | **377,980** | **346,020** | **315,890** | **286,570** | **259,330** | **233,730** | **187,620** | **-** |
| **ACV0400M*ACD** | **6DJNR40ME** | **444,650** | **412,680** | **381,180** | **349,940** | **320,450** | **292,160** | **265,210** | **215,280** | **-** |
| **ACV0401M*ACD** | **6DJNR40ME** | **493,910** | **453,620** | **415,230** | **378,350** | **343,660** | **310,770** | **280,040** | **224,930** | **-** |
| **ACV0500MDACD** | **6DUNR49ME** | **519,610** | **487,660** | **453,050** | **417,230** | **382,740** | **348,810** | **316,170** | **257,630** | **212,210** |

**Notes:**

*LOW SUCTION TEMPERATURE APPLICATIONS IN THESE RANGES REQUIRE THE ADDITION OF A HEAD FAN*

^ C =208-230/3/60, D = 460/3/60, E = 575/3/60

* K =230/3/60, D = 460/3/60, E = 575/3/60

# PERFORMANCE DATA – R-404A/R-507A

## Medium Temperature - Copeland Discus™ Compressor Models

| R-404A/R-507A | | Capacity BTUH @ 100°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 40°F | 35°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F | -10°F |
| ACV0150M^ACD | 3DS3R17ME | 187,520 | 173,380 | 159,040 | 145,720 | 132,740 | 120,650 | 109,190 | 88,350 | 69,830 |
| ACV0151M^ACD | 3DS3R17ME | 182,530 | 168,420 | 155,210 | 142,470 | 130,160 | 118,500 | 107,560 | 87,340 | 69,230 |
| ACV0200M^ACD | 4DBNR20ME | 220,100 | 205,030 | 189,690 | 173,930 | 158,950 | 144,510 | 130,290 | 104,780 | 84,760 |
| ACV0201M^ACD | 4DBNR20ME | 235,650 | 218,010 | 200,630 | 183,190 | 166,180 | 149,940 | 134,790 | 107,670 | 86,520 |
| ACV0250M^ACD | 4DHNR22ME | 232,180 | 217,200 | 201,290 | 185,370 | 169,110 | 153,820 | 139,160 | 112,170 | 91,000 |
| ACV0251M^ACD | 4DHNR22ME | 247,430 | 229,740 | 212,070 | 194,630 | 177,030 | 160,180 | 143,960 | 115,390 | 93,040 |
| ACV0260M^ACD | 4DHNR22ME | 236,960 | 220,570 | 203,920 | 186,990 | 170,730 | 154,930 | 139,840 | 112,440 | 91,180 |
| ACV0300M^ACD | 4DJNR28ME | 291,810 | 269,720 | 248,200 | 226,950 | 207,040 | 188,160 | 169,950 | 136,720 | 108,090 |
| ACV0301M^ACD | 4DJNR28ME | 320,000 | 293,020 | 267,590 | 243,330 | 220,150 | 198,490 | 178,140 | 141,730 | 110,840 |
| ACV0350M^ACD | 6DHNR35ME | 362,380 | 335,480 | 309,310 | 283,320 | 259,200 | 236,480 | 214,120 | 173,030 | - |
| ACV0351M^ACD | 6DHNR35ME | 389,940 | 359,130 | 329,080 | 300,610 | 273,100 | 247,190 | 222,730 | 178,740 | - |
| ACV0400M*ACD | 6DJNR40ME | 422,050 | 392,030 | 362,420 | 332,950 | 305,090 | 278,700 | 252,740 | 205,270 | - |
| ACV0401M*ACD | 6DJNR40ME | 471,270 | 433,630 | 396,730 | 361,850 | 328,200 | 297,110 | 267,650 | 214,880 | - |
| ACV0500MDACD | 6DUNR49ME | 492,480 | 462,600 | 430,170 | 396,360 | 363,680 | 331,800 | 301,310 | 245,150 | 201,940 |

| R-404A/R-507A | | Capacity BTUH @ 110°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 40°F | 35°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F | -10°F |
| ACV0150M^ACD | 3DS3R17ME | 168,570 | 155,580 | 143,620 | 131,710 | 120,480 | 109,600 | 99,370 | 80,660 | 63,760 |
| ACV0151M^ACD | 3DS3R17ME | - | 151,230 | 139,790 | 128,750 | 117,920 | 107,670 | 97,770 | 79,670 | 63,170 |
| ACV0200M^ACD | 4DBNR20ME | - | - | - | 156,480 | 143,100 | 130,130 | 117,310 | 94,290 | 76,190 |
| ACV0201M^ACD | 4DBNR20ME | 212,790 | 197,370 | 181,330 | 165,580 | 150,290 | 135,790 | 121,840 | 97,120 | 77,930 |
| ACV0250M^ACD | 4DHNR22ME | - | - | - | 166,270 | 152,050 | 138,410 | 125,210 | 100,900 | 81,850 |
| ACV0251M^ACD | 4DHNR22ME | - | 207,090 | 191,290 | 175,640 | 159,890 | 144,550 | 129,960 | 104,120 | 83,840 |
| ACV0260M^ACD | 4DHNR22ME | - | - | 183,560 | 168,480 | 153,910 | 139,860 | 126,120 | 101,400 | 82,070 |
| ACV0300M^ACD | 4DJNR28ME | - | 240,480 | 221,060 | 202,990 | 185,720 | 168,830 | 152,440 | 123,370 | 98,170 |
| ACV0301M^ACD | 4DJNR28ME | 286,800 | 263,510 | 240,490 | 219,040 | 198,390 | 179,000 | 160,770 | 128,190 | 100,700 |
| ACV0350M^ACD | 6DHNR35ME | - | - | 274,820 | 253,100 | 231,890 | 211,780 | 192,010 | 155,460 | - |
| ACV0351M^ACD | 6DHNR35ME | 348,230 | 320,840 | 294,970 | 269,850 | 245,220 | 222,300 | 200,700 | 160,930 | - |
| ACV0400M*ACD | 6DJNR40ME | - | - | 323,760 | 297,900 | 273,490 | 250,160 | 227,250 | 185,080 | - |
| ACV0401M*ACD | 6DJNR40ME | 424,960 | 391,430 | 358,580 | 327,540 | 297,550 | 269,240 | 242,610 | 194,680 | - |
| ACV0500MDACD | 6DUNR49ME | 437,350 | 411,820 | 383,160 | 353,480 | 325,130 | 297,000 | 270,090 | 219,680 | 181,370 |

**Notes:**

*LOW SUCTION TEMPERATURE APPLICATIONS IN THESE RANGES REQUIRE THE ADDITION OF A HEAD FAN*

^ C =208-230/3/60, D = 460/3/60, E = 575/3/60

* K =230/3/60, D = 460/3/60, E = 575/3/60

# PERFORMANCE DATA – R-448A/R-449A

Medium Temperature - Copeland Discus™ Compressor Models

| R-448A/R-449A | | Capacity BTUH @ 90°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 40°F | 35°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F | -10°F |
| ACV0150M^ACD | 3DS3R17ME | 204,530 | 186,980 | 170,060 | 153,680 | 138,060 | 123,460 | 109,680 | 85,020 | 64,180 |
| ACV0151M^ACD | 3DS3R17ME | 200,380 | 183,660 | 167,340 | 151,700 | 136,570 | 122,190 | 108,800 | 84,340 | 63,640 |
| ACV0200M^ACD | 4DBNR20ME | 251,140 | 229,210 | 208,210 | 188,330 | 169,790 | 152,330 | 136,030 | 106,870 | 81,770 |
| ACV0201M^ACD | 4DBNR20ME | 261,680 | 237,690 | 214,810 | 193,300 | 173,700 | 155,350 | 138,480 | 108,480 | 82,800 |
| ACV0250M^ACD | 4DHNR22ME | 270,680 | 247,660 | 225,480 | 204,360 | 184,420 | 165,910 | 148,340 | 116,750 | 89,380 |
| ACV0251M^ACD | 4DHNR22ME | 282,570 | 257,200 | 232,980 | 210,470 | 189,200 | 169,450 | 151,200 | 118,580 | 90,600 |
| ACV0260M^ACD | 4DHNR22ME | 272,560 | 248,950 | 226,350 | 204,940 | 184,800 | 166,170 | 148,530 | 116,930 | 89,580 |
| ACV0300M^ACD | 4DJNR28ME | 324,730 | 298,320 | 272,420 | 247,420 | 223,560 | 200,490 | 178,370 | 137,580 | 101,140 |
| ACV0301M^ACD | 4DJNR28ME | 342,860 | 313,030 | 284,340 | 256,990 | 231,000 | 206,450 | 183,280 | 140,690 | 103,000 |
| ACV0350M^ACD | 6DHNR35ME | 397,910 | 367,050 | 336,180 | 305,710 | 276,250 | 247,830 | 220,770 | 172,140 | 132,610 |
| ACV0351M^ACD | 6DHNR35ME | 415,340 | 380,950 | 346,970 | 314,020 | 282,370 | 252,380 | 224,150 | 174,210 | 134,220 |
| ACV0400M*ACD | 6DJNR40ME | 473,990 | 436,910 | 399,920 | 363,530 | 328,250 | 294,250 | 261,970 | 204,270 | 157,940 |
| ACV0401M*ACD | 6DJNR40ME | 501,950 | 458,830 | 417,010 | 376,460 | 337,810 | 301,440 | 267,460 | 207,780 | 160,720 |
| ACV0500MDACD | 6DUNR49ME | 562,000 | 518,180 | 475,780 | 432,730 | 391,100 | 350,970 | 312,500 | 242,970 | 185,090 |

| R-448A/R-449A | | Capacity BTUH @ 95°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 40°F | 35°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F | -10°F |
| **ACV0150M^ACD** | **3DS3R17ME** | **197,220** | **180,440** | **164,230** | **148,490** | **133,440** | **119,290** | **105,870** | **81,750** | **61,070** |
| **ACV0151M^ACD** | **3DS3R17ME** | **193,140** | **177,170** | **161,540** | **146,520** | **131,920** | **118,030** | **104,940** | **81,080** | **60,520** |
| **ACV0200M^ACD** | **4DBNR20ME** | **241,820** | **220,780** | **200,610** | **181,480** | **163,630** | **146,770** | **130,940** | **102,850** | **78,540** |
| **ACV0201M^ACD** | **4DBNR20ME** | **252,650** | **229,260** | **207,360** | **186,700** | **167,590** | **149,910** | **133,510** | **104,560** | **79,650** |
| **ACV0250M^ACD** | **4DHNR22ME** | **260,900** | **238,330** | **217,070** | **196,790** | **177,590** | **159,790** | **142,840** | **112,390** | **85,850** |
| **ACV0251M^ACD** | **4DHNR22ME** | **272,420** | **247,950** | **224,780** | **203,040** | **182,520** | **163,450** | **145,770** | **114,270** | **87,090** |
| **ACV0260M^ACD** | **4DHNR22ME** | **262,510** | **239,840** | **218,100** | **197,480** | **178,090** | **160,100** | **143,060** | **112,490** | **86,030** |
| **ACV0300M^ACD** | **4DJNR28ME** | **312,320** | **286,930** | **262,110** | **238,050** | **215,110** | **192,850** | **171,490** | **132,170** | **96,870** |
| **ACV0301M^ACD** | **4DJNR28ME** | **331,390** | **302,510** | **274,780** | **248,180** | **222,970** | **199,230** | **176,680** | **135,380** | **98,770** |
| **ACV0350M^ACD** | **6DHNR35ME** | **385,120** | **355,560** | **325,850** | **296,760** | **268,070** | **240,480** | **214,050** | **166,570** | **127,560** |
| **ACV0351M^ACD** | **6DHNR35ME** | **402,580** | **369,530** | **336,780** | **304,970** | **274,240** | **245,150** | **217,670** | **168,740** | **129,270** |
| **ACV0400M*ACD** | **6DJNR40ME** | **458,580** | **423,160** | **387,650** | **352,550** | **318,470** | **285,530** | **254,040** | **197,810** | **152,210** |
| **ACV0401M*ACD** | **6DJNR40ME** | **486,850** | **445,420** | **405,010** | **365,720** | **328,250** | **292,930** | **259,800** | **201,510** | **155,150** |
| **ACV0500MDACD** | **6DUNR49ME** | **542,800** | **501,890** | **460,630** | **419,600** | **378,970** | **340,050** | **302,650** | **234,550** | **177,260** |

**Notes:**

*LOW SUCTION TEMPERATURE APPLICATIONS IN THESE RANGES REQUIRE THE ADDITION OF A HEAD FAN*

^ C =208-230/3/60, D = 460/3/60, E = 575/3/60

* K =230/3/60, D = 460/3/60, E = 575/3/60

# PERFORMANCE DATA – R-448A/R-449A

## Medium Temperature - Copeland Discus™ Compressor Models

| R-448A/R-449A | | Capacity BTUH @ 100°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 40°F | 35°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F | -10°F |
| ACV0150M^ACD | 3DS3R17ME | 189,920 | 174,110 | 158,410 | 143,290 | 128,760 | 115,060 | 102,050 | 78,410 | 57,900 |
| ACV0151M^ACD | 3DS3R17ME | 185,940 | 170,680 | 155,740 | 141,310 | 127,260 | 113,840 | 101,100 | 77,740 | 57,340 |
| ACV0200M^ACD | 4DBNR20ME | 232,420 | 212,300 | 192,940 | 174,580 | 157,260 | 141,010 | 125,840 | 98,730 | 75,210 |
| ACV0201M^ACD | 4DBNR20ME | 243,730 | 221,190 | 199,910 | 180,050 | 161,440 | 144,380 | 128,640 | 100,550 | 76,410 |
| ACV0250M^ACD | 4DHNR22ME | 250,530 | 228,960 | 208,600 | 189,160 | 170,690 | 153,400 | 137,150 | 107,740 | 82,160 |
| ACV0251M^ACD | 4DHNR22ME | 262,130 | 238,780 | 216,470 | 195,550 | 175,750 | 157,350 | 140,260 | 109,790 | 83,470 |
| ACV0260M^ACD | 4DHNR22ME | 252,850 | 230,640 | 209,760 | 189,960 | 171,280 | 153,960 | 137,510 | 107,970 | 82,360 |
| ACV0300M^ACD | 4DJNR28ME | 299,600 | 275,240 | 251,450 | 228,390 | 206,360 | 184,910 | 164,470 | 126,500 | 92,440 |
| ACV0301M^ACD | 4DJNR28ME | 319,430 | 291,350 | 264,830 | 238,970 | 214,580 | 191,690 | 169,870 | 129,880 | 94,450 |
| ACV0350M^ACD | 6DHNR35ME | 372,070 | 343,850 | 315,460 | 287,470 | 259,750 | 233,000 | 207,300 | 160,830 | 122,360 |
| ACV0351M^ACD | 6DHNR35ME | 389,720 | 358,010 | 326,510 | 295,800 | 266,140 | 237,820 | 211,040 | 163,130 | 124,160 |
| ACV0400M*ACD | 6DJNR40ME | 443,080 | 409,190 | 375,160 | 341,410 | 308,570 | 276,680 | 246,120 | 191,210 | 146,320 |
| ACV0401M*ACD | 6DJNR40ME | 471,780 | 431,980 | 392,840 | 354,900 | 318,640 | 284,370 | 252,120 | 195,110 | 149,430 |
| ACV0500MDACD | 6DUNR49ME | 523,690 | 484,670 | 445,130 | 405,300 | 366,560 | 328,900 | 292,640 | 225,670 | 169,120 |

| R-448A/R-449A | | Capacity BTUH @ 110°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 40°F | 35°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F | -10°F |
| ACV0150M^ACD | 3DS3R17ME | - | 161,130 | 146,760 | 132,880 | 119,480 | 106,640 | 94,350 | 71,650 | 51,430 |
| ACV0151M^ACD | 3DS3R17ME | - | - | 144,230 | 130,980 | 117,970 | 105,390 | 93,360 | 70,970 | 50,870 |
| ACV0200M^ACD | 4DBNR20ME | - | - | - | 160,430 | 144,660 | 129,670 | 115,620 | 90,260 | 68,300 |
| ACV0201M^ACD | 4DBNR20ME | 225,100 | 204,510 | 184,710 | 166,370 | 149,080 | 133,180 | 118,520 | 92,250 | 69,580 |
| ACV0250M^ACD | 4DHNR22ME | - | - | - | - | 156,590 | 140,830 | 125,730 | 98,390 | 74,520 |
| ACV0251M^ACD | 4DHNR22ME | - | - | 199,640 | 180,320 | 161,970 | 145,030 | 128,990 | 100,600 | 75,950 |
| ACV0260M^ACD | 4DHNR22ME | - | - | - | 174,710 | 157,480 | 141,450 | 126,130 | 98,770 | 74,780 |
| ACV0300M^ACD | 4DJNR28ME | - | - | 229,410 | 208,320 | 188,110 | 168,220 | 149,490 | 114,650 | 83,260 |
| ACV0301M^ACD | 4DJNR28ME | 294,360 | 268,510 | 243,540 | 219,730 | 197,250 | 175,850 | 155,550 | 118,380 | 85,470 |
| ACV0350M^ACD | 6DHNR35ME | - | - | - | 268,110 | 242,560 | 217,510 | 193,280 | 148,860 | 111,430 |
| ACV0351M^ACD | 6DHNR35ME | 363,670 | 334,560 | 305,610 | 277,000 | 249,390 | 222,730 | 197,350 | 151,500 | 113,410 |
| ACV0400M*ACD | 6DJNR40ME | - | - | - | - | 288,230 | 258,450 | 229,740 | 177,480 | 134,000 |
| ACV0401M*ACD | 6DJNR40ME | 441,080 | 404,670 | 368,420 | 333,130 | 299,140 | 266,940 | 236,410 | 181,890 | 137,540 |
| ACV0500MDACD | 6DUNR49ME | - | - | - | - | 341,120 | 305,630 | 271,300 | 207,490 | 152,120 |

**Notes:**

*LOW SUCTION TEMPERATURE APPLICATIONS IN THESE RANGES REQUIRE THE ADDITION OF A HEAD FAN*

^ C =208-230/3/60, D = 460/3/60, E = 575/3/60

* K =230/3/60, D = 460/3/60, E = 575/3/60

# PERFORMANCE DATA – R-407A/R-407F

Medium Temperature - Copeland Discus™ Compressor Models

| R-407A/R-407F | | Capacity BTUH @ 90°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 40°F | 35°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F | -10°F |
| ACV0150MΛACD | 3DS3R17ME | 208,650 | 190,750 | 173,400 | 156,480 | 140,400 | 125,330 | 111,100 | 86,120 | 65,860 |
| ACV0151MΛACD | 3DS3R17ME | 203,560 | 186,550 | 169,870 | 153,730 | 138,350 | 123,650 | 109,890 | 85,290 | 65,240 |
| ACV0200MΛACD | 4DBNR20ME | 253,250 | 231,330 | 210,380 | 190,560 | 171,910 | 154,720 | 138,490 | 109,420 | 84,130 |
| ACV0201MΛACD | 4DBNR20ME | 267,310 | 242,580 | 219,430 | 197,600 | 177,560 | 158,950 | 141,800 | 111,590 | 85,430 |
| ACV0250MΛACD | 4DHNR22ME | 272,580 | 248,930 | 226,940 | 206,010 | 186,220 | 167,790 | 150,620 | 119,330 | 91,890 |
| ACV0251MΛACD | 4DHNR22ME | 286,800 | 261,170 | 236,840 | 214,210 | 192,790 | 172,740 | 154,630 | 121,780 | 93,430 |
| ACV0260MΛACD | 4DHNR22ME | 275,910 | 251,740 | 228,630 | 207,180 | 187,110 | 168,600 | 151,020 | 119,510 | 92,050 |
| ACV0300MΛACD | 4DJNR28ME | 329,310 | 301,700 | 275,470 | 250,270 | 226,160 | 203,410 | 181,400 | 141,370 | 105,900 |
| ACV0301MΛACD | 4DJNR28ME | 353,420 | 321,960 | 291,860 | 263,470 | 236,610 | 211,570 | 187,900 | 145,070 | 107,630 |
| ACV0350MΛACD | 6DHNR35ME | 403,010 | 371,680 | 340,500 | 309,910 | 280,160 | 251,940 | 224,930 | 176,350 | 136,510 |
| ACV0351MΛACD | 6DHNR35ME | 424,660 | 389,630 | 354,800 | 321,220 | 288,940 | 258,620 | 230,030 | 179,470 | 138,720 |
| ACV0400M*ACD | 6DJNR40ME | 479,900 | 442,000 | 404,750 | 368,170 | 332,960 | 298,970 | 266,720 | 209,090 | 162,460 |
| ACV0401M*ACD | 6DJNR40ME | 518,430 | 473,220 | 429,380 | 387,370 | 347,500 | 310,170 | 275,330 | 214,570 | 166,400 |
| ACV0500MDACD | 6DUNR49ME | 580,420 | 535,010 | 490,200 | 446,220 | 402,910 | 361,930 | 322,790 | 252,100 | 192,590 |

| R-407A/R-407F | | Capacity BTUH @ 95°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 40°F | 35°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F | -10°F |
| **ACV0150MΛACD** | **3DS3R17ME** | **200,500** | **183,350** | **166,850** | **150,630** | **135,080** | **120,590** | **106,870** | **82,580** | **62,630** |
| **ACV0151MΛACD** | **3DS3R17ME** | **195,560** | **179,360** | **163,420** | **148,130** | **133,160** | **119,010** | **105,620** | **81,770** | **62,030** |
| **ACV0200MΛACD** | **4DBNR20ME** | **243,150** | **222,190** | **202,100** | **183,020** | **165,160** | **148,620** | **132,970** | **104,990** | **80,610** |
| **ACV0201MΛACD** | **4DBNR20ME** | **257,330** | **233,420** | **211,160** | **190,070** | **170,750** | **152,850** | **136,370** | **107,220** | **81,970** |
| **ACV0250MΛACD** | **4DHNR22ME** | **261,580** | **238,910** | **217,860** | **197,800** | **178,790** | **161,080** | **144,580** | **114,480** | **87,920** |
| **ACV0251MΛACD** | **4DHNR22ME** | **275,760** | **251,150** | **227,740** | **205,780** | **185,360** | **166,130** | **148,520** | **116,930** | **89,580** |
| **ACV0260MΛACD** | **4DHNR22ME** | **265,080** | **241,870** | **219,660** | **199,070** | **179,770** | **161,960** | **145,030** | **114,660** | **88,180** |
| **ACV0300MΛACD** | **4DJNR28ME** | **315,650** | **289,170** | **264,170** | **240,060** | **217,280** | **195,230** | **174,220** | **135,940** | **102,190** |
| **ACV0301MΛACD** | **4DJNR28ME** | **340,120** | **309,830** | **280,860** | **253,440** | **227,700** | **203,340** | **180,740** | **139,610** | **103,820** |
| **ACV0350MΛACD** | **6DHNR35ME** | **388,820** | **358,880** | **328,980** | **299,520** | **271,170** | **243,710** | **217,510** | **170,120** | **130,960** |
| **ACV0351MΛACD** | **6DHNR35ME** | **410,130** | **376,480** | **343,150** | **310,770** | **279,710** | **250,330** | **222,690** | **173,320** | **133,210** |
| **ACV0400M*ACD** | **6DJNR40ME** | **463,420** | **426,580** | **390,930** | **355,850** | **321,980** | **289,190** | **257,970** | **201,880** | **156,100** |
| **ACV0401M*ACD** | **6DJNR40ME** | **500,910** | **457,330** | **415,520** | **374,910** | **336,530** | **300,320** | **266,600** | **207,400** | **160,130** |
| **ACV0500MDACD** | **6DUNR49ME** | **559,600** | **516,760** | **473,400** | **431,250** | **389,590** | **350,290** | **312,190** | **242,700** | **184,220** |

**Notes:**

*LOW SUCTION TEMPERATURE APPLICATIONS IN THESE RANGES REQUIRE THE ADDITION OF A HEAD FAN*

Λ C =208-230/3/60, D = 460/3/60, E = 575/3/60

* K =230/3/60, D = 460/3/60, E = 575/3/60

# PERFORMANCE DATA – R-407A/R-407F

## Medium Temperature - Copeland Discus™ Compressor Models

| R-407A/R-407F | | Capacity BTUH @ 100°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 40°F | 35°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F | -10°F |
| ACV0150MΛACD | 3DS3R17ME | 192,390 | 176,090 | 160,330 | 144,820 | 129,900 | 115,920 | 102,660 | 79,030 | 59,390 |
| ACV0151MΛACD | 3DS3R17ME | 187,600 | 172,180 | 157,000 | 142,200 | 128,000 | 114,300 | 101,430 | 78,230 | 58,800 |
| ACV0200MΛACD | 4DBNR20ME | 233,540 | 213,010 | 193,780 | 175,490 | 158,350 | 142,480 | 127,290 | 100,470 | 76,990 |
| ACV0201MΛACD | 4DBNR20ME | 247,160 | 224,570 | 202,930 | 182,650 | 163,950 | 146,790 | 130,880 | 102,760 | 78,430 |
| ACV0250MΛACD | 4DHNR22ME | - | 229,340 | 208,720 | 189,530 | 171,330 | 154,330 | 138,470 | 109,430 | 84,000 |
| ACV0251MΛACD | 4DHNR22ME | 264,640 | 241,090 | 218,650 | 197,770 | 177,820 | 159,470 | 142,450 | 112,100 | 85,650 |
| ACV0260MΛACD | 4DHNR22ME | 253,990 | 231,510 | 210,680 | 190,930 | 172,380 | 155,260 | 138,970 | 109,720 | 84,230 |
| ACV0300MΛACD | 4DJNR28ME | 301,750 | 276,480 | 252,660 | 229,680 | 207,960 | 186,910 | 166,850 | 130,520 | 98,570 |
| ACV0301MΛACD | 4DJNR28ME | 326,480 | 297,390 | 269,670 | 243,190 | 218,310 | 195,260 | 173,470 | 134,150 | 100,120 |
| ACV0350MΛACD | 6DHNR35ME | 374,470 | 345,920 | 317,240 | 289,160 | 261,890 | 235,370 | 209,860 | 163,800 | 125,260 |
| ACV0351MΛACD | 6DHNR35ME | 395,380 | 363,020 | 331,390 | 300,290 | 270,480 | 242,030 | 215,120 | 167,030 | 127,540 |
| ACV0400M*ACD | 6DJNR40ME | 445,080 | 411,160 | 377,050 | 343,460 | 310,920 | 279,300 | 248,920 | 194,550 | 149,610 |
| ACV0401M*ACD | 6DJNR40ME | 483,340 | 441,700 | 401,600 | 362,410 | 325,390 | 290,530 | 257,820 | 200,150 | 153,740 |
| ACV0500MDACD | 6DUNR49ME | 538,790 | 497,930 | 456,940 | 416,180 | 376,100 | 337,790 | 300,920 | 233,360 | 175,290 |

| R-407A/R-407F | | Capacity BTUH @ 110°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 40°F | 35°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F | -10°F |
| ACV0150MΛACD | 3DS3R17ME | - | 161,720 | 147,420 | 133,300 | 119,670 | 106,670 | 94,310 | 71,960 | 52,940 |
| ACV0151MΛACD | 3DS3R17ME | - | - | 144,310 | 130,960 | 117,790 | 105,210 | 93,130 | 71,200 | 52,390 |
| ACV0200MΛACD | 4DBNR20ME | - | - | - | 160,350 | 144,870 | 130,070 | 116,270 | 91,280 | 69,550 |
| ACV0201MΛACD | 4DBNR20ME | 227,090 | 206,280 | 186,300 | 167,720 | 150,360 | 134,450 | 119,850 | 93,700 | 71,080 |
| ACV0250MΛACD | 4DHNR22ME | - | - | - | - | 156,270 | 140,690 | 126,110 | 99,310 | 75,790 |
| ACV0251MΛACD | 4DHNR22ME | - | - | 200,310 | 181,030 | 162,790 | 146,000 | 130,140 | 102,060 | 77,510 |
| ACV0260MΛACD | 4DHNR22ME | - | - | - | 174,500 | 157,480 | 141,730 | 126,620 | 99,780 | 76,070 |
| ACV0300MΛACD | 4DJNR28ME | - | - | - | 208,580 | 189,030 | 170,050 | 152,140 | 119,760 | 91,540 |
| ACV0301MΛACD | 4DJNR28ME | 298,350 | 271,610 | 246,120 | 222,100 | 199,500 | 178,540 | 158,730 | 123,250 | 92,950 |
| ACV0350MΛACD | 6DHNR35ME | - | - | - | 268,040 | 242,940 | 218,270 | 194,430 | 150,740 | 113,410 |
| ACV0351MΛACD | 6DHNR35ME | - | 336,510 | 307,640 | 278,910 | 251,570 | 225,010 | 199,830 | 154,180 | 115,800 |
| ACV0400M*ACD | 6DJNR40ME | - | - | - | 318,310 | 288,440 | 259,160 | 230,920 | 179,470 | 136,230 |
| ACV0401M*ACD | 6DJNR40ME | 448,390 | 410,530 | 373,360 | 337,570 | 303,190 | 270,670 | 240,110 | 185,420 | 140,610 |
| ACV0500MDACD | 6DUNR49ME | - | - | 422,640 | 384,740 | 348,770 | 313,060 | 278,040 | 213,680 | 157,070 |

**Notes:**

*LOW SUCTION TEMPERATURE APPLICATIONS IN THESE RANGES REQUIRE THE ADDITION OF A HEAD FAN*

Λ C =208-230/3/60, D = 460/3/60, E = 575/3/60

* K =230/3/60, D = 460/3/60, E = 575/3/60

# PERFORMANCE DATA – R-407C

Medium Temperature - Copeland Discus™ Compressor Models

| R-407C | | Capacity BTUH @ 90°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 40°F | 35°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F | -10°F |
| ACV0150M^ACD | 3DS3R17ME | 185,130 | 168,750 | 153,040 | 137,990 | 123,830 | 110,560 | 98,270 | 76,230 | 57,660 |
| ACV0151M^ACD | 3DS3R17ME | 182,010 | 166,200 | 150,930 | 136,370 | 122,600 | 109,580 | 97,410 | 75,640 | 57,120 |
| ACV0200M^ACD | 4DBNR20ME | 225,570 | 204,890 | 185,010 | 166,530 | 149,010 | 132,310 | 115,950 | 83,870 | 50,950 |
| ACV0201M^ACD | 4DBNR20ME | 236,030 | 213,510 | 192,510 | 172,760 | 153,750 | 136,050 | 118,820 | 85,340 | 51,480 |
| ACV0250M^ACD | 4DHNR22ME | - | - | 204,330 | 184,520 | 165,930 | 148,390 | 131,990 | 102,570 | 78,440 |
| ACV0251M^ACD | 4DHNR22ME | 259,010 | 235,340 | 212,800 | 191,460 | 171,270 | 152,290 | 134,760 | 104,440 | 79,980 |
| ACV0260M^ACD | 4DHNR22ME | - | - | 206,040 | 185,920 | 166,650 | 148,840 | 132,200 | 102,760 | 78,660 |
| ACV0300M^ACD | 4DJNR28ME | - | - | 245,160 | 221,360 | 199,060 | 178,330 | 158,840 | 123,840 | 92,370 |
| ACV0301M^ACD | 4DJNR28ME | 320,910 | 288,610 | 259,060 | 231,790 | 206,610 | 183,730 | 162,800 | 126,070 | 94,390 |
| ACV0350M^ACD | 6DHNR35ME | 363,520 | 328,300 | 296,160 | 266,870 | 240,190 | 215,500 | 192,640 | 149,800 | 106,690 |
| ACV0351M^ACD | 6DHNR35ME | 381,820 | 343,050 | 307,410 | 275,240 | 246,260 | 220,150 | 196,180 | 152,390 | 109,290 |
| ACV0400M*ACD | 6DJNR40ME | 451,090 | 400,410 | 357,530 | 318,170 | 285,310 | 256,920 | 231,400 | 184,030 | 130,230 |
| ACV0401M*ACD | 6DJNR40ME | 507,630 | 445,630 | 391,710 | 345,750 | 306,280 | 272,420 | 242,720 | 189,090 | 130,880 |
| ACV0500MDACD | 6DUNR49ME | 523,600 | 470,100 | 421,180 | 373,820 | 332,250 | 294,490 | 261,770 | 210,110 | 177,490 |

| R-407C | | Capacity BTUH @ 95°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 40°F | 35°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F | -10°F |
| **ACV0150M^ACD** | **3DS3R17ME** | **179,140** | **163,370** | **148,260** | **133,710** | **120,040** | **107,070** | **95,020** | **73,240** | **54,530** |
| **ACV0151M^ACD** | **3DS3R17ME** | **176,090** | **160,890** | **146,200** | **132,110** | **118,750** | **106,120** | **94,180** | **72,580** | **53,920** |
| **ACV0200M^ACD** | **4DBNR20ME** | **216,750** | **196,780** | **177,710** | **159,910** | **143,020** | **126,980** | **111,220** | **80,700** | **49,350** |
| **ACV0201M^ACD** | **4DBNR20ME** | **227,270** | **205,450** | **184,850** | **165,720** | **147,690** | **130,520** | **114,020** | **81,970** | **49,690** |
| **ACV0250M^ACD** | **4DHNR22ME** | **-** | **-** | **195,770** | **177,080** | **159,520** | **142,830** | **127,100** | **98,640** | **74,680** |
| **ACV0251M^ACD** | **4DHNR22ME** | **247,090** | **224,920** | **203,860** | **183,870** | **164,380** | **146,520** | **129,870** | **100,480** | **76,220** |
| **ACV0260M^ACD** | **4DHNR22ME** | **-** | **-** | **197,380** | **178,130** | **160,180** | **143,240** | **127,270** | **98,840** | **74,920** |
| **ACV0300M^ACD** | **4DJNR28ME** | **-** | **-** | **235,290** | **212,970** | **191,910** | **172,300** | **153,720** | **119,840** | **88,520** |
| **ACV0301M^ACD** | **4DJNR28ME** | **306,310** | **276,220** | **248,270** | **222,690** | **198,990** | **177,300** | **157,370** | **121,900** | **90,440** |
| **ACV0350M^ACD** | **6DHNR35ME** | **349,430** | **315,810** | **285,360** | **257,400** | **231,860** | **207,950** | **185,820** | **143,980** | **100,930** |
| **ACV0351M^ACD** | **6DHNR35ME** | **367,200** | **330,470** | **296,540** | **265,890** | **238,090** | **212,970** | **189,710** | **146,780** | **103,720** |
| **ACV0400M*ACD** | **6DJNR40ME** | **424,640** | **376,750** | **336,680** | **299,960** | **269,680** | **243,310** | **220,340** | **178,070** | **128,840** |
| **ACV0401M*ACD** | **6DJNR40ME** | **482,360** | **423,710** | **371,670** | **328,520** | **291,210** | **259,590** | **231,890** | **182,120** | **127,830** |
| **ACV0500MDACD** | **6DUNR49ME** | **494,810** | **443,860** | **397,470** | **353,040** | **314,400** | **279,570** | **249,430** | **204,550** | **179,650** |

**Notes:**

*LOW SUCTION TEMPERATURE APPLICATIONS IN THESE RANGES REQUIRE THE ADDITION OF A HEAD FAN*

^ C =208-230/3/60, D = 460/3/60, E = 575/3/60

* K =230/3/60, D = 460/3/60, E = 575/3/60

# PERFORMANCE DATA – R-407C

## Medium Temperature - Copeland Discus™ Compressor Models

| R-407C | | Capacity BTUH @ 100°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 40°F | 35°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F | -10°F |
| ACV0150MΛACD | 3DS3R17ME | 173,210 | 158,060 | 143,490 | 129,330 | 116,010 | 103,490 | 91,630 | 69,990 | 51,130 |
| ACV0151MΛACD | 3DS3R17ME | 170,240 | 155,620 | 141,450 | 127,800 | 114,810 | 102,410 | 90,750 | 69,290 | - |
| ACV0200MΛACD | 4DBNR20ME | 208,070 | 188,860 | 170,520 | 153,440 | 137,250 | 121,840 | 106,840 | 77,760 | 48,020 |
| ACV0201MΛACD | 4DBNR20ME | 218,400 | 197,320 | 177,520 | 158,940 | 141,650 | 125,210 | 109,410 | 78,830 | 48,160 |
| ACV0250MΛACD | 4DHNR22ME | - | - | 187,540 | 169,970 | 153,350 | 137,550 | 122,380 | 94,820 | 70,970 |
| ACV0251MΛACD | 4DHNR22ME | 235,300 | 214,990 | 195,180 | 176,290 | 157,980 | 140,930 | 125,030 | 96,570 | 72,510 |
| ACV0260MΛACD | 4DHNR22ME | - | - | 189,030 | 170,940 | 153,960 | 137,960 | 122,630 | 95,000 | 71,210 |
| ACV0300MΛACD | 4DJNR28ME | - | - | 225,850 | 204,890 | 185,250 | 166,480 | 148,830 | 116,000 | 84,790 |
| ACV0301MΛACD | 4DJNR28ME | 292,200 | 264,090 | 237,920 | 213,970 | 191,670 | 171,170 | 152,140 | 117,890 | 86,560 |
| ACV0350MΛACD | 6DHNR35ME | 335,140 | 303,280 | 274,340 | 247,680 | 223,240 | 200,290 | 178,790 | 137,800 | 94,880 |
| ACV0351MΛACD | 6DHNR35ME | 352,760 | 317,730 | 285,220 | 256,100 | 229,590 | 205,440 | 182,920 | 140,820 | 97,870 |
| ACV0400M*ACD | 6DJNR40ME | 397,640 | 352,460 | 315,380 | 281,450 | 254,330 | 230,110 | 209,750 | 173,050 | 129,430 |
| ACV0401M*ACD | 6DJNR40ME | 455,090 | 398,790 | 351,000 | 310,140 | 275,580 | 246,310 | 220,910 | 175,870 | 126,460 |
| ACV0500MDACD | 6DUNR49ME | 465,750 | 417,500 | 374,090 | 332,450 | 296,730 | 265,010 | 238,090 | 200,370 | 184,180 |

| R-407C | | Capacity BTUH @ 110°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 40°F | 35°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F | -10°F |
| ACV0150MΛACD | 3DS3R17ME | 161,490 | 147,340 | 133,750 | 120,580 | 107,810 | 95,810 | 84,290 | - | 43,510 |
| ACV0151MΛACD | 3DS3R17ME | - | - | - | 114,320 | 102,070 | 90,500 | 79,180 | 58,080 | 38,590 |
| ACV0200MΛACD | 4DBNR20ME | - | - | 156,590 | 141,010 | 126,380 | 112,360 | 98,750 | 72,650 | 46,220 |
| ACV0201MΛACD | 4DBNR20ME | - | 173,560 | 156,140 | 139,970 | 124,750 | 110,400 | 96,840 | 70,880 | 45,210 |
| ACV0250MΛACD | 4DHNR22ME | - | - | - | 156,740 | 141,930 | 127,690 | 113,700 | 87,720 | - |
| ACV0251MΛACD | 4DHNR22ME | - | - | - | 155,500 | 140,310 | 125,710 | 111,810 | 85,700 | 61,920 |
| ACV0260MΛACD | 4DHNR22ME | - | - | 173,520 | 157,590 | 142,420 | 127,920 | 113,840 | 87,760 | 64,160 |
| ACV0300MΛACD | 4DJNR28ME | - | - | 208,120 | 189,830 | 172,490 | 155,850 | 139,750 | 108,830 | 77,840 |
| ACV0301MΛACD | 4DJNR28ME | 252,920 | 230,460 | 209,650 | 189,980 | 171,610 | 154,410 | 137,990 | 106,850 | 75,890 |
| ACV0350MΛACD | 6DHNR35ME | - | - | 251,700 | 227,840 | 205,190 | 184,160 | 163,930 | 124,420 | 82,090 |
| ACV0351MΛACD | 6DHNR35ME | - | 278,470 | 251,000 | 225,570 | 202,360 | 181,070 | 160,690 | 120,970 | 78,460 |
| ACV0400M*ACD | 6DJNR40ME | - | 303,390 | 271,870 | 244,020 | 221,930 | 204,180 | 189,870 | 166,420 | 136,940 |
| ACV0401M*ACD | 6DJNR40ME | 368,180 | 322,630 | 283,420 | 251,610 | 225,850 | 205,800 | 189,380 | 163,200 | 134,200 |
| ACV0500MDACD | 6DUNR49ME | - | - | 327,520 | 292,090 | 262,680 | 237,360 | 218,220 | 196,680 | 200,310 |

**Notes:**

*LOW SUCTION TEMPERATURE APPLICATIONS IN THESE RANGES REQUIRE THE ADDITION OF A HEAD FAN*

Λ C =208-230/3/60, D = 460/3/60, E = 575/3/60

* K =230/3/60, D = 460/3/60, E = 575/3/60

# PERFORMANCE DATA – R-404A/R-507A

## Low Temperature - Copeland Discus™ Compressor Models

| R-404A/R-507A | | Capacity BTUH @ 90°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| ACV0120L^ACD | 4DBNF54KE | 106,300 | 95,100 | 84,860 | 75,450 | 66,720 | 58,580 | 50,910 | 43,480 | 36,180 |
| ACV0150L^ACD | 4DHNF63KE | 124,270 | 111,680 | 100,090 | 89,270 | 79,270 | 69,830 | 60,930 | 52,360 | 43,990 |
| ACV0220L^ACD | 4DJNF76KE | 144,780 | 131,490 | 118,660 | 106,370 | 94,590 | 83,420 | 72,720 | 62,380 | 52,420 |
| ACV0270L^ACD | 6DHNF93KE | 177,910 | 161,710 | 145,650 | 130,010 | 114,670 | 100,170 | 86,680 | 74,090 | 62,740 |
| ACV0300L^ACD | 6DJNF11ME | 193,670 | 176,060 | 159,310 | 142,820 | 127,070 | 111,760 | 97,450 | 84,010 | 71,460 |
| ACV0400LDACD | 6DUNF13ME | 265,350 | 237,740 | 212,900 | 190,550 | 169,910 | 150,550 | 131,920 | 113,150 | - |

| R-404A/R-507A | | Capacity BTUH @ 95°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| **ACV0120L^ACD** | **4DBNF54KE** | **101,920** | **91,220** | **81,440** | **72,330** | **63,870** | **55,920** | **48,380** | **40,990** | **33,700** |
| **ACV0150L^ACD** | **4DHNF63KE** | **118,930** | **106,840** | **95,650** | **85,260** | **75,510** | **66,350** | **57,710** | **49,370** | **41,180** |
| **ACV0220L^ACD** | **4DJNF76KE** | **138,630** | **125,760** | **113,480** | **101,550** | **90,160** | **79,340** | **68,920** | **58,840** | **49,010** |
| **ACV0270L^ACD** | **6DHNF93KE** | **169,860** | **154,400** | **139,090** | **124,080** | **109,210** | **95,200** | **82,100** | **69,810** | **58,610** |
| **ACV0300L^ACD** | **6DJNF11ME** | **-** | **167,680** | **151,750** | **136,080** | **121,010** | **106,220** | **92,420** | **79,410** | **67,120** |
| **ACV0400LDACD** | **6DUNF13ME** | **253,970** | **226,870** | **202,750** | **181,110** | **161,180** | **142,520** | **124,640** | **106,690** | **-** |

| R-404A/R-507A | | Capacity BTUH @ 100°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| ACV0120L^ACD | 4DBNF54KE | 97,490 | 87,280 | 77,920 | 69,150 | 60,940 | 53,180 | 45,720 | 38,410 | 31,120 |
| ACV0150L^ACD | 4DHNF63KE | 113,810 | 102,150 | 91,390 | 81,350 | 71,930 | 63,050 | 54,650 | 46,540 | 38,580 |
| ACV0220L^ACD | 4DJNF76KE | 132,400 | 120,110 | 108,350 | 96,780 | 85,840 | 75,250 | 65,090 | 55,230 | 45,560 |
| ACV0270L^ACD | 6DHNF93KE | 161,630 | 147,040 | 132,430 | 118,040 | 103,960 | 90,180 | 77,460 | 65,520 | 54,510 |
| ACV0300L^ACD | 6DJNF11ME | - | - | 144,120 | 129,540 | 114,900 | 100,910 | 87,490 | 74,750 | 62,750 |
| ACV0400LDACD | 6DUNF13ME | 242,310 | 216,080 | 192,900 | 171,790 | 152,510 | 134,540 | 117,270 | - | - |

| R-404A/R-507A | | Capacity BTUH @ 110°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| ACV0120L^ACD | 4DBNF54KE | 88,330 | 79,190 | 70,600 | 62,470 | 54,750 | 47,300 | 40,070 | 32,880 | 25,690 |
| ACV0150L^ACD | 4DHNF63KE | 103,700 | 93,140 | 83,330 | 74,020 | 65,260 | 56,980 | 49,090 | 41,430 | 33,910 |
| ACV0220L^ACD | 4DJNF76KE | - | - | - | 87,410 | 77,100 | 67,080 | 57,300 | 47,780 | 38,420 |
| ACV0270L^ACD | 6DHNF93KE | - | - | - | - | - | 80,180 | 68,200 | 56,760 | 46,260 |
| ACV0300L^ACD | 6DJNF11ME | - | - | - | - | - | - | 77,500 | 65,530 | 53,980 |
| ACV0400LDACD | 6DUNF13ME | 219,320 | 194,970 | 173,380 | 153,630 | 135,640 | - | - | - | - |

**Notes:**

*DEMAND COOLING IS REQUIRED FOR OPERATION AT LOW TEMPERATURE APPLICATIONS*

^ C = 208-230/3/60, D = 460/3/60

# PERFORMANCE DATA – R-448A/R-449A

## Low Temperature - Copeland Discus™ Compressor Models

| R-448A/R-449A | | Capacity BTUH @ 90°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| ACV0120L^ACD | 4DBNF54KE | 99,210 | 87,570 | 76,690 | 66,450 | 57,000 | 48,370 | 40,600 | 33,730 | 27,770 |
| ACV0150L^ACD | 4DHNF63KE | 112,790 | 100,320 | 88,580 | 77,550 | 67,400 | 58,090 | 49,790 | 42,490 | 36,250 |
| ACV0220L^ACD | 4DJNF76KE | 140,060 | 123,030 | 107,930 | 94,170 | 81,880 | 70,520 | 59,890 | 49,500 | 39,160 |
| ACV0270L^ACD | 6DHNF93KE | 162,520 | 143,510 | 125,720 | 109,300 | 94,300 | 80,570 | 68,190 | 56,650 | 45,960 |
| ACV0300L^ACD | 6DJNF11ME | 193,820 | 171,500 | 150,730 | 131,570 | 113,420 | 97,020 | 81,910 | 67,670 | 54,220 |
| ACV0400LDACD | 6DUNF13ME | 235,380 | 209,470 | 184,570 | 160,770 | 138,260 | 117,710 | 991,40 | - | - |

| R-448A/R-449A | | Capacity BTUH @ 95°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| **ACV0120L^ACD** | **4DBNF54KE** | **95,220** | **83,940** | **73,400** | **63,450** | **54,230** | **45,810** | **38,190** | **31,430** | **25,590** |
| **ACV0150L^ACD** | **4DHNF63KE** | **108,290** | **96,300** | **84,950** | **74,300** | **64,410** | **55,370** | **47,300** | **40,150** | **34,080** |
| **ACV0220L^ACD** | **4DJNF76KE** | **134,610** | **117,920** | **103,200** | **89,820** | **77,800** | **66,660** | **56,210** | **45,960** | **35,760** |
| **ACV0270L^ACD** | **6DHNF93KE** | **155,740** | **137,340** | **120,030** | **103,960** | **89,380** | **76,070** | **63,830** | **52,480** | **41,860** |
| **ACV0300L^ACD** | **6DJNF11ME** | **185,320** | **163,720** | **143,540** | **124,720** | **107,280** | **91,160** | **76,380** | **62,360** | **49,080** |
| **ACV0400LDACD** | **6DUNF13ME** | **227,690** | **202,460** | **177,960** | **154,430** | **132,330** | **111,770** | - | - | - |

| R-448A/R-449A | | Capacity BTUH @ 100°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| ACV0120L^ACD | 4DBNF54KE | 91,100 | 80,250 | 69,960 | 60,290 | 51,320 | 43,060 | 35,640 | 29,000 | 23,250 |
| ACV0150L^ACD | 4DHNF63KE | 103,790 | 92,200 | 81,290 | 70,940 | 61,350 | 52,570 | 44,730 | 37,770 | 31,830 |
| ACV0220L^ACD | 4DJNF76KE | 129,120 | 112,880 | 98,500 | 85,410 | 73,660 | 62,730 | 52,460 | 42,370 | 32,290 |
| ACV0270L^ACD | 6DHNF93KE | 148,660 | 130,680 | 114,100 | 98,640 | 84,200 | 71,220 | 59,200 | 47,980 | 37,420 |
| ACV0300L^ACD | 6DJNF11ME | 176,450 | 155,520 | 136,060 | 117,760 | 100,810 | 85,160 | 70,530 | 56,760 | 43,450 |
| ACV0400LDACD | 6DUNF13ME | 220,130 | 195,180 | 171,100 | 147,890 | 126,050 | 105,560 | - | - | - |

| R-448A/R-449A | | Capacity BTUH @ 110°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| ACV0120L^ACD | 4DBNF54KE | 82,590 | 72,380 | 62,730 | 53,620 | 45,080 | 37,260 | 30,170 | 23,830 | 18,180 |
| ACV0150L^ACD | 4DHNF63KE | 94,670 | 83,890 | 73,730 | 64,070 | 55,070 | 46,830 | 39,390 | 32,820 | 27,210 |
| ACV0220L^ACD | 4DJNF76KE | 117,980 | 102,630 | 88,990 | 76,620 | 65,270 | 54,760 | 44,750 | 35,000 | 25,300 |
| ACV0270L^ACD | 6DHNF93KE | 133,840 | 117,030 | 101,420 | 86,650 | 73,230 | 60,730 | 49,100 | 38,100 | - |
| ACV0300L^ACD | 6DJNF11ME | - | - | 120,260 | 103,230 | 86,880 | 72,010 | 57,990 | 44,420 | - |
| ACV0400LDACD | 6DUNF13ME | 203,950 | 180,110 | 156,750 | 133,910 | 112,500 | 92,330 | - | - | - |

**Notes:**

*DEMAND COOLING IS REQUIRED FOR OPERATION AT LOW TEMPERATURE APPLICATIONS*

^ C = 208-230/3/60, D = 460/3/60

# PERFORMANCE DATA – R-407A/R-407F

## Low Temperature - Copeland Discus™ Compressor Models

| R-407A/R-407F | | Capacity BTUH @ 90°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| ACV0120L^ACD | 4DBNF54KE | 101,740 | 90,080 | 78,970 | 68,490 | 58,660 | 49,560 | 41,230 | 33,590 | 26,770 |
| ACV0150L^ACD | 4DHNF63KE | 115,400 | 102,880 | 91,040 | 79,770 | 69,270 | 59,420 | 50,380 | 42,080 | 34,600 |
| ACV0220L^ACD | 4DJNF76KE | 144,100 | 126,890 | 111,030 | 96,340 | 83,100 | 71,520 | 61,430 | 52,920 | 46,080 |
| ACV0270L^ACD | 6DHNF93KE | 164,120 | 145,580 | 128,030 | 111,570 | 96,390 | 82,130 | 68,840 | 56,020 | 43,590 |
| ACV0300L^ACD | 6DJNF11ME | 194,810 | 173,150 | 152,880 | 133,900 | 115,750 | 98,690 | 82,660 | 67,270 | 52,280 |
| ACV0400LDACD | 6DUNF13ME | 244,190 | 217,780 | 192,210 | 167,250 | 143,630 | 121,580 | - | - | - |

| R-407A/R-407F | | Capacity BTUH @ 95°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| **ACV0120L^ACD** | **4DBNF54KE** | **97,420** | **86,010** | **75,370** | **65,210** | **55,680** | **46,840** | **38,690** | **31,270** | **24,600** |
| **ACV0150L^ACD** | **4DHNF63KE** | **110,530** | **98,460** | **87,030** | **76,190** | **66,040** | **56,530** | **47,740** | **39,680** | **32,370** |
| **ACV0220L^ACD** | **4DJNF76KE** | **137,900** | **121,200** | **105,750** | **91,590** | **79,020** | **67,870** | **58,310** | **50,340** | **44,080** |
| **ACV0270L^ACD** | **6DHNF93KE** | **156,820** | **138,710** | **121,940** | **106,140** | **91,170** | **77,380** | **64,310** | **51,760** | **39,490** |
| **ACV0300L^ACD** | **6DJNF11ME** | **185,650** | **164,770** | **145,210** | **126,850** | **109,020** | **92,500** | **77,000** | **61,930** | **47,260** |
| **ACV0400LDACD** | **6DUNF13ME** | **235,920** | **210,100** | **184,900** | **160,460** | **137,190** | **115,380** | - | - | - |

| R-407A/R-407F | | Capacity BTUH @ 100°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| ACV0120L^ACD | 4DBNF54KE | 92,820 | 81,920 | 71,650 | 61,820 | 52,580 | 43,990 | 36,050 | 28,810 | 22,320 |
| ACV0150L^ACD | 4DHNF63KE | 105,520 | 93,950 | 83,000 | 72,620 | 62,760 | 53,530 | 45,030 | 37,210 | 30,080 |
| ACV0220L^ACD | 4DJNF76KE | 131,580 | 115,390 | 100,390 | 86,820 | 74,770 | 64,120 | 55,090 | 47,670 | 41,960 |
| ACV0270L^ACD | 6DHNF93KE | 149,300 | 131,820 | 115,610 | 100,200 | 85,660 | 72,270 | 59,520 | 47,230 | 35,160 |
| ACV0300L^ACD | 6DJNF11ME | 176,760 | 156,240 | 137,250 | 119,490 | 102,150 | 86,090 | 70,990 | 56,280 | 41,750 |
| ACV0400LDACD | 6DUNF13ME | 227,420 | 202,090 | 177,540 | 153,420 | 130,580 | 108,970 | - | - | - |

| R-407A/R-407F | | Capacity BTUH @ 110°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| ACV0120L^ACD | 4DBNF54KE | 83,500 | 73,490 | 63,850 | 54,670 | 46,010 | 37,870 | 30,410 | 23,580 | 17,380 |
| ACV0150L^ACD | 4DHNF63KE | 95,560 | 84,970 | 74,910 | 65,200 | 56,030 | 47,420 | 39,440 | 32,040 | 25,330 |
| ACV0220L^ACD | 4DJNF76KE | 118,630 | 103,500 | 89,580 | 77,130 | 65,990 | 56,360 | 48,370 | 42,000 | 37,330 |
| ACV0270L^ACD | 6DHNF93KE | 133,640 | 117,400 | 102,180 | 87,590 | 74,160 | 61,340 | 49,030 | 37,230 | 25,680 |
| ACV0500MDACD | 6DUNR49ME | - | - | 327,520 | 292,090 | 262,680 | 237,360 | 218,220 | 196,680 | 200,310 |
| ACV0400LDACD | 6DUNF13ME | 209,870 | 185,400 | 161,630 | 138,370 | 116,130 | 94,920 | - | - | - |

**Notes:**

*DEMAND COOLING IS REQUIRED FOR OPERATION AT LOW TEMPERATURE APPLICATIONS*

^ C = 208-230/3/60, D = 460/3/60

# PERFORMANCE DATA – R-407C

## Low Temperature - Copeland Discus™ Compressor Models

| R-407C | | Capacity BTUH @ 90°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| ACV0120L^ACD | 4DBNF54KE | 87,960 | 76,620 | 66,280 | 56,800 | 48,240 | 40,560 | 33,610 | 27,390 | 21,780 |
| ACV0150L^ACD | 4DHNF63KE | 100,100 | 87,800 | 76,580 | 66,350 | 57,050 | 48,680 | 41,180 | 34,350 | 28,110 |
| ACV0220L^ACD | 4DJNF76KE | 116,440 | 101,460 | 88,320 | 76,810 | 66,620 | 57,530 | 49,230 | 41,400 | 33,750 |
| ACV0270L^ACD | 6DHNF93KE | 143,780 | 127,240 | 111,070 | 95,550 | 81,070 | 67,660 | 55,440 | 44,860 | 35,770 |
| ACV0300L^ACD | 6DJNF11ME | 167,490 | 148,140 | 129,680 | 111,810 | 95,080 | 79,790 | 65,990 | 53,560 | 43,050 |
| ACV0400LDACD | 6DUNF13ME | 214,200 | 191,140 | 168,430 | 146,240 | 125,210 | - | - | - | - |

| R-407C | | Capacity BTUH @ 95°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| **ACV0120L^ACD** | **4DBNF54KE** | **84,600** | **73,530** | **63,440** | **54,160** | **45,790** | **38,270** | **31,460** | **25,370** | **19,830** |
| **ACV0150L^ACD** | **4DHNF63KE** | **96,300** | **84,330** | **73,400** | **63,430** | **54,350** | **46,190** | **38,880** | **32,180** | **26,130** |
| **ACV0220L^ACD** | **4DJNF76KE** | **112,470** | **97,900** | **85,230** | **74,010** | **64,090** | **55,190** | **47,090** | **39,390** | **31,850** |
| **ACV0270L^ACD** | **6DHNF93KE** | **138,380** | **122,260** | **106,300** | **91,140** | **76,910** | **63,560** | **51,620** | **40,920** | **31,840** |
| **ACV0300L^ACD** | **6DJNF11ME** | **160,790** | **141,960** | **123,980** | **106,510** | **90,090** | **75,140** | **61,400** | **49,300** | **38,700** |
| **ACV0400LDACD** | **6DUNF13ME** | **207,480** | **185,140** | **162,860** | **141,180** | **120,380** | **-** | **-** | **-** | **-** |

| R-407C | | Capacity BTUH @ 100°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| ACV0120L^ACD | 4DBNF54KE | 81,110 | 70,320 | 60,410 | 51,390 | 43,240 | 35,870 | 29,180 | 23,180 | 17,780 |
| ACV0150L^ACD | 4DHNF63KE | 92,400 | 80,770 | 70,120 | 60,360 | 51,550 | 43,590 | 36,470 | 29,930 | 24,020 |
| ACV0220L^ACD | 4DJNF76KE | 108,210 | 94,140 | 81,900 | 71,030 | 61,400 | 52,700 | 44,780 | 37,250 | 29,750 |
| ACV0270L^ACD | 6DHNF93KE | 132,930 | 117,150 | 101,560 | 86,580 | 72,620 | 59,390 | 47,600 | 36,970 | 27,810 |
| ACV0300L^ACD | 6DJNF11ME | 154,040 | 135,710 | 118,180 | 101,000 | 84,950 | 70,340 | 56,760 | 44,830 | 34,330 |
| ACV0400LDACD | 6DUNF13ME | 200,800 | 179,050 | 157,330 | 135,940 | 115,380 | - | - | - | - |

| R-407C | | Capacity BTUH @ 110°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| ACV0120L^ACD | 4DBNF54KE | 73,680 | 63,370 | 53,990 | 45,390 | 37,670 | 30,570 | 24,210 | 18,470 | 13,240 |
| ACV0150L^ACD | 4DHNF63KE | 84,390 | 73,320 | 63,240 | 53,980 | 45,620 | 38,120 | 31,300 | 25,090 | 19,420 |
| ACV0220L^ACD | 4DJNF76KE | 98,720 | 85,680 | 74,350 | 64,190 | 55,050 | 46,830 | 39,300 | 32,020 | 24,750 |
| ACV0270L^ACD | 6DHNF93KE | 121,860 | 106,780 | 91,790 | 77,460 | 63,620 | 50,890 | 39,160 | 28,580 | 19,400 |
| ACV0300L^ACD | 6DJNF11ME | - | 123,030 | 106,340 | 89,920 | 74,700 | 60,240 | 47,270 | 35,320 | 24,930 |
| ACV0400LDACD | 6DUNF13ME | 188,010 | 167,150 | 146,000 | 124,850 | - | - | - | - | - |

**Notes:**

*DEMAND COOLING IS REQUIRED FOR OPERATION AT LOW TEMPERATURE APPLICATIONS*

^ C = 208-230/3/60, D = 460/3/60

# UNIT SPECIFICATIONS

## Low Temperature - Copeland Discus™ Compressor Models

| Model | Compressor | Refrigerant Line Connections (OD) | | Rec. Capacity @90% full (lbs) | Condenser Fan Data | | Dimensions (In.) | | | Net Wt. |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Liquid | Suction | | No. Fans | Dia. | Length | Width | Height | (lbs.) |
| ACV0120LΛACD | 4DBNF54KE | 1-1/8 | 2-1/8 | 123 | 2 | 30" | 176.35 | 48.9 | 59.4 | 2,317 |
| ACV0150LΛACD | 4DHNF63KE | 1-1/8 | 2-1/8 | 123 | 2 | 30" | 176.35 | 48.9 | 59.4 | 2,317 |
| ACV0220LΛACD | 4DJNF76KE | 1-1/8 | 2-1/8 | 123 | 2 | 30" | 176.35 | 48.9 | 59.4 | 2,317 |
| ACV0270LΛACD | 6DHNF93KE | 1-1/8 | 2-1/8 | 123 | 2 | 30" | 176.35 | 48.9 | 59.4 | 2,317 |
| ACV0300LΛACD | 6DJNF11ME | 1-1/8 | 2-1/8 | 123 | 2 | 30" | 176.35 | 48.9 | 59.4 | 2,317 |
| ACV0400LDACD | 6DUNF13ME | 1-1/8 | 2-1/8 | 188 | 3 | 30" | 229.4 | 48.9 | 59.4 | 2,970 |

**Notes:**
Λ C = 208-230/3/60, D = 460/3/60, E = 575/3/60

# UNIT SPECIFICATIONS

## Medium Temperature - Copeland Discus™ Compressor Models

| Model | Compressor | Refrigerant Line Connections (OD) | | Rec. Capacity @90% full (lbs) | Condenser Fan Data | | Dimensions (In.) | | | Net Wt. |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Liquid | Suction | | No. Fans | Dia. | Length | Width | Height | (lbs.) |
| ACV0150M^ACD | 3DS3R17ME | 1-1/8 | 1-5/8 | 123 | 2 | 30" | 176.35 | 48.9 | 59.4 | 2,215 |
| ACV0151M^ACD | 3DS3R17ME | 7/8 | 1-5/8 | 123 | 2 | 30" | 176.35 | 48.9 | 59.4 | 2,125 |
| ACV0200M^ACD | 4DBNR20ME | 1-1/8 | 2-1/8 | 123 | 2 | 30" | 176.35 | 48.9 | 59.4 | 2,217 |
| ACV0201M^ACD | 4DBNR20ME | 7/8 | 2-1/8 | 123 | 2 | 30" | 176.35 | 48.9 | 59.4 | 2,207 |
| ACV0250M^ACD | 4DHNR22ME | 1-1/8 | 2-1/8 | 123 | 2 | 30" | 176.35 | 48.9 | 59.4 | 2,217 |
| ACV0251M^ACD | 4DHNR22ME | 1-1/8 | 2-1/8 | 188 | 3 | 30" | 229.4 | 48.9 | 59.4 | 2,293 |
| ACV0260M^ACD | 4DHNR22ME | 1-1/8 | 2-1/8 | 123 | 2 | 30" | 176.35 | 48.9 | 59.4 | 2,217 |
| ACV0300M^ACD | 4DJNR28ME | 1-1/8 | 2-1/8 | 188 | 2 | 30" | 176.35 | 48.9 | 59.4 | 2,307 |
| ACV0301M^ACD | 4DJNR28ME | 1-1/8 | 2-1/8 | 188 | 3 | 30" | 229.4 | 48.9 | 59.4 | 2,703 |
| ACV0350M^ACD | 6DHNR35ME | 1-1/8 | 2-1/8 | 188 | 3 | 30" | 229.4 | 48.9 | 59.4 | 2,833 |
| ACV0351M^ACD | 6DHNR35ME | 1-1/8 | 2-1/8 | 188 | 4 | 30" | 282.5 | 48.9 | 61.4 | 3,491 |
| ACV0400M*ACD | 6DJNR40ME | 1-1/8 | 2-1/8 | 188 | 3 | 30" | 229.4 | 48.9 | 59.4 | 2,933 |
| ACV0401M*ACD | 6DJNR40ME | 1-1/8 | 2-1/8 | 188 | 4 | 30" | 282.5 | 48.9 | 61.4 | 3,591 |
| ACV0500MDACD | 6DUNR49ME | 1-1/8 | 2-1/8 | 188 | 4 | 30" | 282.5 | 48.9 | 61.4 | 3,690 |

**Notes:**
^ C = 208-230/3/60, D = 460/3/60, E = 575/3/60
* K =230/3/60, D = 460/3/60, E = 575/3/60

# ELECTRICAL DATA

## Low Temperature - Copeland Discus™ Models/208-230V

| | | Remote Loads: Four Contactors | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Condensing Unit | | | | | | Low Amps "4L" | | | | High Amps "4H" | | | |
| Model | Compressor | Compressor | | Condenser | | Air Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | |
| | | RLA (Each) | LRA (Each) | No. Fans | FLA (Total) | MCA | MOPD | | | MCA | MOPD | | | MCA | MOPD |
| ACV0120LCACD | 4DBNF54KE | 46.0 | 220.0 | 2 | 13.2 | 70.7 | 100 | 22 | 48 | 92.7 | 125 | 22 | 64 | 92.7 | 125 |
| ACV0150LCACD | 4DHNF63KE | 47.2 | 278.0 | 2 | 13.2 | 72.2 | 100 | 25 | 64 | 97.2 | 125 | 25 | 91 | 113.8 | 125 |
| ACV0220LCACD | 4DJNF76KE | 57.7 | 374.0 | 2 | 13.2 | 85.3 | 125 | 25 | 96 | 120.0 | 150 | 25 | 105 | 131.3 | 150 |
| ACV0270LCACD | 6DHNF93KE | 72.4 | 450.0 | 2 | 13.2 | 103.7 | 175 | 25 | 96 | 128.7 | 200 | 25 | 108 | 135.0 | 200 |
| ACV0300LCACD | 6DJNF11ME | 85.8 | 470.0 | 2 | 13.2 | 120.4 | 200 | 30 | 150 | 187.5 | 225 | 30 | 181 | 226.3 | 250 |

| | | Remote Loads: Three Contactors | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Condensing Unit | | | | | | Low Amps "3L" | | | | High Amps "3H" | | | |
| Model | Compressor | Compressor | | Condenser | | Air Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | |
| | | RLA (Each) | LRA (Each) | No. Fans | FLA (Total) | MCA | MOPD | | | MCA | MOPD | | | MCA | MOPD |
| ACV0120LCACD | 4DBNF54KE | 46.0 | 220.0 | 2 | 13.2 | 70.7 | 100 | 20 | 40 | 90.7 | 125 | 22 | 48 | 92.7 | 125 |
| ACV0150LCACD | 4DHNF63KE | 47.2 | 278.0 | 2 | 13.2 | 72.2 | 100 | 22 | 70 | 94.2 | 125 | 25 | 64 | 97.2 | 125 |
| ACV0220LCACD | 4DJNF76KE | 57.7 | 374.0 | 2 | 13.2 | 85.3 | 125 | 20 | 85 | 106.3 | 150 | 25 | 96 | 120.0 | 150 |
| ACV0270LCACD | 6DHNF93KE | 72.4 | 450.0 | 2 | 13.2 | 103.7 | 175 | 20 | 80 | 123.7 | 175 | 25 | 96 | 128.7 | 200 |
| ACV0300LCACD | 6DJNF11ME | 85.8 | 470.0 | 2 | 13.2 | 120.4 | 200 | 20 | 96 | 140.4 | 225 | 25 | 96 | 145.4 | 225 |

**Notes:**
MCA = Minimum Circuit Ampacity
MOP = Maximum Overcurrent Protection
intelliGen™ 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 condensing unit to allow termination on coils that have already defrosted to prevent unnecessary steaming. This option is not needed on intelliGen™ systems wired for a Master / Slave operation.

Mounted Electric Defrost Kits for condensing units include:
Defrost timer, Spring terminals, (1) evaporator fan contactor and:
One (1) defrost heater contactor for 1L and 1H codes
Two (2) defrost heater contactors for 2L and 2H codes
Four (4) defrost heater contactors for 4L and 4H codes
Power is supplied to each intelliGen™ evaporator.
Each coil terminates its own defrost. Refrigeration will not start until all coils have terminated defrost.
Contact factory for 575 volt electrical specification

# ELECTRICAL DATA

## Low Temperature - Copeland Discus™ Models/208-230V

| | | Remote Loads: Two Contactors | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Condensing Unit | | | | | | Low Amps "2L" | | | | High Amps "2H" | | | |
| Model | Compressor | Compressor | | Condenser | | Air Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | |
| | | RLA (Each) | LRA (Each) | No. Fans | FLA (Total) | MCA | MOPD | | | MCA | MOPD | | | MCA | MOPD |
| ACV0120LCACD | 4DBNF54KE | 46.0 | 220.0 | 2 | 13.2 | 70.7 | 100 | 15 | 34 | 85.7 | 125 | 20 | 74 | 92.5 | 125 |
| ACV0150LCACD | 4DHNF63KE | 47.2 | 278.0 | 2 | 13.2 | 72.2 | 100 | 20 | 80 | 100.0 | 125 | 20 | 91 | 113.8 | 125 |
| ACV0220LCACD | 4DJNF76KE | 57.7 | 374.0 | 2 | 13.2 | 85.3 | 125 | 20 | 80 | 105.3 | 150 | 20 | 96 | 120.0 | 150 |
| ACV0270LCACD | 6DHNF93KE | 72.4 | 450.0 | 2 | 13.2 | 103.7 | 175 | 20 | 80 | 123.7 | 175 | 20 | 96 | 123.7 | 175 |
| ACV0300LCACD | 6DJNF11ME | 85.8 | 470.0 | 2 | 13.2 | 120.4 | 200 | 20 | 80 | 140.4 | 225 | 20 | 96 | 140.4 | 225 |

| | | Remote Loads: One Contactor | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Condensing Unit | | | | | | Low Amps "1L" | | | | High Amps "1H" | | | |
| Model | Compressor | Compressor | | Condenser | | Air Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | |
| | | RLA (Each) | LRA (Each) | No. Fans | FLA (Total) | MCA | MOPD | | | MCA | MOPD | | | MCA | MOPD |
| ACV0120LCACD | 4DBNF54KE | 46.0 | 220.0 | 2 | 13.2 | 70.7 | 100 | 15 | 40 | 85.7 | 125 | 15 | 48 | 85.7 | 125 |
| ACV0150LCACD | 4DHNF63KE | 47.2 | 278.0 | 2 | 13.2 | 72.2 | 100 | 15 | 40 | 87.2 | 125 | 15 | 48 | 87.2 | 125 |
| ACV0220LCACD | 4DJNF76KE | 57.7 | 374.0 | 2 | 13.2 | 85.3 | 125 | 15 | 40 | 100.3 | 150 | 15 | 48 | 100.3 | 150 |
| ACV0270LCACD | 6DHNF93KE | 72.4 | 450.0 | 2 | 13.2 | 103.7 | 175 | - | - | - | - | - | - | - | - |
| ACV0300LCACD | 6DJNF11ME | 85.8 | 470.0 | 2 | 13.2 | 120.4 | 200 | - | - | - | - | - | - | - | - |

**Notes:**
MCA = Minimum Circuit Ampacity
MOP = Maximum Overcurrent Protection
intelliGen™ 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 condensing unit to allow termination on coils that have already defrosted to prevent unnecessary steaming. This option is not needed on intelliGen™ systems wired for a Master / Slave operation.

Mounted Electric Defrost Kits for condensing units include:
Defrost timer, Spring terminals, (1) evaporator fan contactor and:
One (1) defrost heater contactor for 1L and 1H codes
Two (2) defrost heater contactors for 2L and 2H codes
Four (4) defrost heater contactors for 4L and 4H codes
Power is supplied to each intelliGen™ evaporator.
Each coil terminates its own defrost. Refrigeration will not start until all coils have terminated defrost.
Contact factory for 575 volt electrical specification

# ELECTRICAL DATA

## Low Temperature - Copeland Discus™ Models/460V

| Model | Compressor | Condensing Unit | | | | | | Remote Loads: Four Contactors | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Low Amps "4L" | | | | High Amps "4H" | | | |
| | | Compressor | | Condenser | | Air Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | |
| | | RLA (Each) | LRA (Each) | No. Fans | FLA (Total) | MCA | MOPD | | | MCA | MOPD | | | MCA | MOPD |
| ACV0120LDACD | 4DBNF54KE | 23.0 | 110.0 | 2 | 6.6 | 35.4 | 50 | - | - | - | - | - | - | - | - |
| ACV0150LDACD | 4DHNF63KE | 23.6 | 139.0 | 2 | 6.6 | 36.1 | 50 | 15 | 48 | 60.0 | 70 | 15 | 48 | 60.0 | 70 |
| ACV0220LDACD | 4DJNF76KE | 28.8 | 187.0 | 2 | 6.6 | 42.7 | 70 | 15 | 48 | 60.0 | 80 | 15 | 48 | 60.0 | 80 |
| ACV0270LDACD | 6DHNF93KE | 36.2 | 225.0 | 2 | 6.6 | 51.9 | 80 | 15 | 48 | 66.9 | 100 | 15 | 64 | 80.0 | 100 |
| ACV0300LDACD | 6DJNF11ME | 42.9 | 235.0 | 2 | 6.6 | 60.2 | 100 | 20 | 64 | 80.2 | 100 | 20 | 91 | 113.8 | 125 |
| ACV0400LDACD | 6DUNF13ME | 60.9 | 367.0 | 3 | 6.6 | 86.0 | 125 | 20 | 64 | 106.0 | 150 | 20 | 91 | 113.8 | 150 |

| Model | Compressor | Condensing Unit | | | | | | Remote Loads: Three Contactors | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Low Amps "3L" | | | | High Amps "3H" | | | |
| | | Compressor | | Condenser | | Air Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | |
| | | RLA (Each) | LRA (Each) | No. Fans | FLA (Total) | MCA | MOPD | | | MCA | MOPD | | | MCA | MOPD |
| ACV0120LDACD | 4DBNF54KE | 23.0 | 110.0 | 2 | 6.6 | 35.4 | 50 | 15 | 22 | 50.4 | 70 | 20 | 22 | 55.4 | 70 |
| ACV0150LDACD | 4DHNF63KE | 23.6 | 139.0 | 2 | 6.6 | 36.1 | 50 | 15 | 32 | 51.1 | 70 | 15 | 48 | 60.0 | 70 |
| ACV0220LDACD | 4DJNF76KE | 28.8 | 187.0 | 2 | 6.6 | 42.7 | 70 | 15 | 48 | 60.0 | 80 | 15 | 48 | 60.0 | 80 |
| ACV0270LDACD | 6DHNF93KE | 36.2 | 225.0 | 2 | 6.6 | 51.9 | 80 | 15 | 48 | 66.9 | 100 | 15 | 64 | 80.0 | 100 |
| ACV0300LDACD | 6DJNF11ME | 42.9 | 235.0 | 2 | 6.6 | 60.2 | 100 | 15 | 64 | 80.0 | 100 | 22 | 64 | 82.2 | 125 |
| ACV0400LDACD | 6DUNF13ME | 60.9 | 367.0 | 3 | 6.6 | 86.0 | 125 | 15 | 64 | 101.0 | 150 | 22 | 64 | 108.0 | 150 |

**Notes:**
MCA = Minimum Circuit Ampacity
MOP = Maximum Overcurrent Protection
intelliGen™ 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 condensing unit to allow termination on coils that have already defrosted to prevent unnecessary steaming. This option is not needed on intelliGen™ systems wired for a Master / Slave operation.

Mounted Electric Defrost Kits for condensing units include:
Defrost timer, Spring terminals, (1) evaporator fan contactor and:
One (1) defrost heater contactor for 1L and 1H codes
Two (2) defrost heater contactors for 2L and 2H codes
Four (4) defrost heater contactors for 4L and 4H codes
Power is supplied to each intelliGen™ evaporator.
Each coil terminates its own defrost. Refrigeration will not start until all coils have terminated defrost.
Contact factory for 575 volt electrical specification

# ELECTRICAL DATA

## Low Temperature - Copeland Discus™ Models/460V

| | | Remote Loads: Two Contactors | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Condensing Unit | | | | | | Low Amps "2L" | | | | High Amps "2H" | | | |
| Model | Compressor | Compressor | | Condenser | | Air Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | |
| | | RLA (Each) | LRA (Each) | No. Fans | FLA (Total) | MCA | MOPD | | | MCA | MOPD | | | MCA | MOPD |
| ACV0120LDACD | 4DBNF54KE | 23.0 | 110.0 | 2 | 6.6 | 35.4 | 50 | 10 | 19 | 45.4 | 60 | 15 | 38 | 50.4 | 70 |
| ACV0150LDACD | 4DHNF63KE | 23.6 | 139.0 | 2 | 6.6 | 36.1 | 50 | 15 | 32 | 51.1 | 70 | 15 | 48 | 60.0 | 70 |
| ACV0220LDACD | 4DJNF76KE | 28.8 | 187.0 | 2 | 6.6 | 42.7 | 70 | 15 | 48 | 60.0 | 80 | 15 | 64 | 80.0 | 80 |
| ACV0270LDACD | 6DHNF93KE | 36.2 | 225.0 | 2 | 6.6 | 51.9 | 80 | 15 | 48 | 66.9 | 100 | 15 | 64 | 80.0 | 100 |
| ACV0300LDACD | 6DJNF11ME | 42.9 | 235.0 | 2 | 6.6 | 60.2 | 100 | 15 | 48 | 75.2 | 100 | 15 | 80 | 100.0 | 100 |
| ACV0400LDACD | 6DUNF13ME | 60.9 | 367.0 | 3 | 6.6 | 86.0 | 125 | 15 | 48 | 101.0 | 150 | 15 | 80 | 101.0 | 150 |

| | | Remote Loads: One Contactor | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Condensing Unit | | | | | | Low Amps "1L" | | | | High Amps "1H" | | | |
| Model | Compressor | Compressor | | Condenser | | Air Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | |
| | | RLA (Each) | LRA (Each) | No. Fans | FLA (Total) | MCA | MOPD | | | MCA | MOPD | | | MCA | MOPD |
| ACV0120LDACD | 4DBNF54KE | 23.0 | 110.0 | 2 | 6.6 | 35.4 | 50 | 10 | 19 | 45.4 | 60 | 10 | 24 | 45.4 | 60 |
| ACV0150LDACD | 4DHNF63KE | 23.6 | 139.0 | 2 | 6.6 | 36.1 | 50 | 15 | 24 | 51.1 | 70 | 15 | 40 | 51.1 | 70 |
| ACV0220LDACD | 4DJNF76KE | 28.8 | 187.0 | 2 | 6.6 | 42.7 | 70 | 15 | 40 | 57.7 | 80 | 15 | 48 | 60.0 | 80 |
| ACV0270LDACD | 6DHNF93KE | 36.2 | 225.0 | 2 | 6.6 | 51.9 | 80 | 15 | 40 | 66.9 | 100 | 15 | 48 | 66.9 | 100 |
| ACV0300LDACD | 6DJNF11ME | 42.9 | 235.0 | 2 | 6.6 | 60.2 | 100 | 15 | 40 | 75.2 | 110 | 15 | 48 | 75.2 | 110 |
| ACV0400LDACD | 6DUNF13ME | 60.9 | 367.0 | 3 | 6.6 | 86.0 | 125 | 15 | 40 | 101.0 | 150 | 15 | 48 | 101.0 | 150 |

**Notes:**
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Mounted Electric Defrost Kits for condensing units include:
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One (1) defrost heater contactor for 1L and 1H codes
Two (2) defrost heater contactors for 2L and 2H codes
Four (4) defrost heater contactors for 4L and 4H codes
Power is supplied to each intelliGen™ evaporator.
Each coil terminates its own defrost. Refrigeration will not start until all coils have terminated defrost.
Contact factory for 575 volt electrical specification

# ELECTRICAL DATA

## Medium Temperature - Copeland Discus™ Models/208-230V

| Model | Compressor | Condensing Unit | | | | | | Remote Loads: Four Contactors | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Low Amps "4L" | | | | High Amps "4H" | | | |
| | | Compressor | | Condenser | | Air Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | |
| | | RLA (Each) | LRA (Each) | No. Fans | FLA (Total) | MCA | MOPD | | | MCA | MOPD | | | MCA | MOPD |
| ACV0150MCACD | 3DS3R17ME | 53.5 | 275.0 | 2 | 13.2 | 80.1 | 125 | 25 | 96 | 120.0 | 150 | 25 | 108 | 135.0 | 150 |
| ACV0151MCACD | 3DS3R17ME | 53.5 | 275.0 | 2 | 13.2 | 80.1 | 125 | 25 | 96 | 120.0 | 150 | 25 | 108 | 135.0 | 150 |
| ACV0200MCACD | 4DBNR20ME | 64.7 | 374.0 | 2 | 13.2 | 94.1 | 150 | 25 | 96 | 120.0 | 175 | 25 | 108 | 135.0 | 175 |
| ACV0201MCACD | 4DBNR20ME | 64.7 | 374.0 | 2 | 13.2 | 94.1 | 150 | 25 | 96 | 120.0 | 175 | 25 | 108 | 135.0 | 175 |
| ACV0250MCACD | 4DHNR22ME | 66.8 | 428.0 | 2 | 13.2 | 96.7 | 150 | 25 | 125 | 156.3 | 175 | 30 | 181 | 226.3 | 250 |
| ACV0251MCACD | 4DHNR22ME | 66.8 | 428.0 | 3 | 19.8 | 103.3 | 150 | 25 | 125 | 156.3 | 175 | 30 | 181 | 226.3 | 250 |
| ACV0260MCACD | 4DHNR22ME | 66.8 | 428.0 | 2 | 13.2 | 96.7 | 150 | 25 | 125 | 156.3 | 175 | 30 | 181 | 226.3 | 250 |
| ACV0300MCACD | 4DJNR28ME | 94.6 | 470.0 | 2 | 13.2 | 131.5 | 225 | 30 | 149 | 186.3 | 250 | 30 | 181 | 226.3 | 250 |
| ACV0301MCACD | 4DJNR28ME | 94.6 | 470.0 | 3 | 19.8 | 138.1 | 225 | 30 | 149 | 186.3 | 250 | 30 | 181 | 226.3 | 250 |
| ACV0350MCACD | 6DHNR35ME | 112.3 | 565.0 | 3 | 19.8 | 160.2 | 250 | 35 | 160 | 200.0 | 300 | 35 | 192 | 240.0 | 300 |
| ACV0351MCACD | 6DHNR35ME | 112.3 | 565.0 | 4 | 26.4 | 166.8 | 250 | 35 | 160 | 201.8 | 300 | 35 | 192 | 240.0 | 300 |
| ACV0400MKACD* | 6DJNR40ME | 128.2 | 594.0 | 3 | 19.8 | 180.1 | 300 | 35 | 160 | 215.1 | 300 | 35 | 192 | 240.0 | 300 |
| ACV0401MKACD* | 6DJNR40ME | 128.2 | 594.0 | 4 | 26.4 | 186.7 | 300 | 35 | 160 | 221.7 | 300 | 35 | 192 | 240.0 | 300 |

| Model | Compressor | Condensing Unit | | | | | | Remote Loads: Three Contactors | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Low Amps "4L" | | | | High Amps "4H" | | | |
| | | Compressor | | Condenser | | Air Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | |
| | | RLA (Each) | LRA (Each) | No. Fans | FLA (Total) | MCA | MOPD | | | MCA | MOPD | | | MCA | MOPD |
| ACV0150MCACD | 3DS3R17ME | 53.5 | 275.0 | 2 | 13.2 | 80.1 | 125 | 25 | 96 | 120.0 | 150 | 25 | 96 | 120.0 | 150 |
| ACV0151MCACD | 3DS3R17ME | 53.5 | 275.0 | 2 | 13.2 | 80.1 | 125 | 25 | 80 | 105.1 | 150 | 25 | 64 | 105.1 | 150 |
| ACV0200MCACD | 4DBNR20ME | 64.7 | 374.0 | 2 | 13.2 | 94.1 | 150 | 22 | 96 | 120.0 | 175 | 25 | 96 | 120.0 | 175 |
| ACV0201MCACD | 4DBNR20ME | 64.7 | 374.0 | 2 | 13.2 | 94.1 | 150 | 20 | 96 | 120.0 | 175 | 20 | 96 | 120.0 | 175 |
| ACV0250MCACD | 4DHNR22ME | 66.8 | 428.0 | 2 | 13.2 | 96.7 | 150 | 20 | 96 | 120.0 | 175 | 25 | 120 | 150.0 | 175 |
| ACV0251MCACD | 4DHNR22ME | 66.8 | 428.0 | 3 | 19.8 | 103.3 | 150 | 20 | 96 | 123.3 | 175 | 25 | 120 | 150.0 | 175 |
| ACV0260MCACD | 4DHNR22ME | 66.8 | 428.0 | 2 | 13.2 | 96.7 | 150 | 20 | 96 | 120.0 | 175 | 25 | 96 | 121.7 | 175 |
| ACV0300MCACD | 4DJNR28ME | 94.6 | 470.0 | 2 | 13.2 | 131.5 | 225 | 25 | 125 | 156.5 | 250 | 20 | 125 | 156.3 | 225 |
| ACV0301MCACD | 4DJNR28ME | 94.6 | 470.0 | 3 | 19.8 | 138.1 | 225 | 25 | 125 | 163.1 | 250 | 25 | 125 | 163.1 | 250 |
| ACV0350MCACD | 6DHNR35ME | 112.3 | 565.0 | 3 | 19.8 | 160.2 | 250 | 30 | 150 | 190.2 | 300 | 35 | 150 | 195.2 | 300 |
| ACV0351MCACD | 6DHNR35ME | 112.3 | 565.0 | 4 | 26.4 | 166.8 | 250 | 30 | 150 | 196.8 | 300 | 35 | 150 | 201.8 | 300 |
| ACV0400MKACD* | 6DJNR40ME | 128.2 | 594.0 | 3 | 19.8 | 180.1 | 300 | 30 | 150 | 210.1 | 300 | 30 | 150 | 210.1 | 300 |
| ACV0401MKACD* | 6DJNR40ME | 128.2 | 594.0 | 4 | 26.4 | 186.7 | 300 | 30 | 150 | 216.7 | 300 | 35 | 150 | 221.7 | 300 |

**Notes:**
MCA = Minimum Circuit Ampacity
MOP = Maximum Overcurrent Protection
intelliGen™ 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 condensing unit to allow termination on coils that have already defrosted to prevent unnecessary steaming. This option is not needed on intelliGen™ systems wired for a Master / Slave operation.

Mounted Electric Defrost Kits for condensing units include:
Defrost timer, Spring terminals, (1) evaporator fan contactor and:
One (1) defrost heater contactor for 1L and 1H codes, Two (2) defrost heater contactors for 2L and 2H codes, Four (4) defrost heater contactors for 4L and 4H codes
Power is supplied to each intelliGen™ evaporator.
Each coil terminates its own defrost. Refrigeration will not start until all coils have terminated defrost.
Contact factory for 575 volt electrical specification

# ELECTRICAL DATA

## Medium Temperature - Copeland Discus™ Models/208-230V

**Remote Loads: Two Contactors**

| Model | Compressor | Condensing Unit | | | | | | Low Amps "4L" | | | | High Amps "4H" | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Compressor | | Condenser | | Air Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | |
| | | RLA (Each) | LRA (Each) | No. Fans | FLA (Total) | MCA | MOPD | | | MCA | MOPD | | | MCA | MOPD |
| ACV0150MCACD | 3DS3R17ME | 53.5 | 275.0 | 2 | 13.2 | 80.1 | 125 | 25 | 80 | 105.1 | 150 | 25 | 96 | 120.0 | 150 |
| ACV0151MCACD | 3DS3R17ME | 53.5 | 275.0 | 2 | 13.2 | 80.1 | 125 | 25 | 80 | 105.1 | 150 | 25 | 96 | 120.0 | 150 |
| ACV0200MCACD | 4DBNR20ME | 64.7 | 374.0 | 2 | 13.2 | 94.1 | 150 | 20 | 80 | 114.1 | 175 | 20 | 96 | 120.0 | 175 |
| ACV0201MCACD | 4DBNR20ME | 64.7 | 374.0 | 2 | 13.2 | 94.1 | 150 | 20 | 80 | 114.1 | 175 | 20 | 96 | 120.0 | 175 |
| ACV0250MCACD | 4DHNR22ME | 66.8 | 428.0 | 2 | 13.2 | 96.7 | 150 | - | - | - | - | - | - | - | - |
| ACV0251MCACD | 4DHNR22ME | 66.8 | 428.0 | 3 | 19.8 | 103.3 | 150 | - | - | - | - | - | - | - | - |
| ACV0260MCACD | 4DHNR22ME | 66.8 | 428.0 | 2 | 13.2 | 96.7 | 150 | - | - | - | - | - | - | - | - |
| ACV0300MCACD | 4DJNR28ME | 94.6 | 470.0 | 2 | 13.2 | 131.5 | 225 | - | - | - | - | - | - | - | - |
| ACV0301MCACD | 4DJNR28ME | 94.6 | 470.0 | 3 | 19.8 | 138.1 | 225 | - | - | - | - | - | - | - | - |
| ACV0350MCACD | 6DHNR35ME | 112.3 | 565.0 | 3 | 19.8 | 160.2 | 250 | - | - | - | - | - | - | - | - |
| ACV0351MCACD | 6DHNR35ME | 112.3 | 565.0 | 4 | 26.4 | 166.8 | 250 | - | - | - | - | - | - | - | - |
| ACV0400MKACD* | 6DJNR40ME | 128.2 | 594.0 | 3 | 19.8 | 180.1 | 300 | - | - | - | - | - | - | - | - |
| ACV0401MKACD* | 6DJNR40ME | 128.2 | 594.0 | 4 | 26.4 | 186.7 | 300 | - | - | - | - | - | - | - | - |

**Remote Loads: One Contactor**

| Model | Compressor | Condensing Unit | | | | | | Low Amps "4L" | | | | High Amps "4H" | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Compressor | | Condenser | | Air Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | |
| | | RLA (Each) | LRA (Each) | No. Fans | FLA (Total) | MCA | MOPD | | | MCA | MOPD | | | MCA | MOPD |
| ACV0150MCACD | 3DS3R17ME | 53.5 | 275.0 | 2 | 13.2 | 80.1 | 125 | - | - | - | - | - | - | - | - |
| ACV0151MCACD | 3DS3R17ME | 53.5 | 275.0 | 2 | 13.2 | 80.1 | 125 | - | - | - | - | - | - | - | - |
| ACV0200MCACD | 4DBNR20ME | 64.7 | 374.0 | 2 | 13.2 | 94.1 | 150 | - | - | - | - | - | - | - | - |
| ACV0201MCACD | 4DBNR20ME | 64.7 | 374.0 | 2 | 13.2 | 94.1 | 150 | - | - | - | - | - | - | - | - |
| ACV0250MCACD | 4DHNR22ME | 66.8 | 428.0 | 2 | 13.2 | 96.7 | 150 | - | - | - | - | - | - | - | - |
| ACV0251MCACD | 4DHNR22ME | 66.8 | 428.0 | 3 | 19.8 | 103.3 | 150 | - | - | - | - | - | - | - | - |
| ACV0260MCACD | 4DHNR22ME | 66.8 | 428.0 | 2 | 13.2 | 96.7 | 150 | - | - | - | - | - | - | - | - |
| ACV0300MCACD | 4DJNR28ME | 94.6 | 470.0 | 2 | 13.2 | 131.5 | 225 | - | - | - | - | - | - | - | - |
| ACV0301MCACD | 4DJNR28ME | 94.6 | 470.0 | 3 | 19.8 | 138.1 | 225 | - | - | - | - | - | - | - | - |
| ACV0350MCACD | 6DHNR35ME | 112.3 | 565.0 | 3 | 19.8 | 160.2 | 250 | - | - | - | - | - | - | - | - |
| ACV0351MCACD | 6DHNR35ME | 112.3 | 565.0 | 4 | 26.4 | 166.8 | 250 | - | - | - | - | - | - | - | - |
| ACV0400MKACD* | 6DJNR40ME | 128.2 | 594.0 | 3 | 19.8 | 180.1 | 300 | - | - | - | - | - | - | - | - |
| ACV0401MKACD* | 6DJNR40ME | 128.2 | 594.0 | 4 | 26.4 | 186.7 | 300 | - | - | - | - | - | - | - | - |

**Notes:**
MCA = Minimum Circuit Ampacity
MOP = Maximum Overcurrent Protection
intelliGen™ 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 condensing unit to allow termination on coils that have already defrosted to prevent unnecessary steaming. This option is not needed on intelliGen™ systems wired for a Master / Slave operation.

Mounted Electric Defrost Kits for condensing units include:
Defrost timer, Spring terminals, (1) evaporator fan contactor and:
One (1) defrost heater contactor for 1L and 1H codes, Two (2) defrost heater contactors for 2L and 2H codes, Four (4) defrost heater contactors for 4L and 4H codes
Power is supplied to each intelliGen™ evaporator.
Each coil terminates its own defrost. Refrigeration will not start until all coils have terminated defrost.
Contact factory for 575 volt electrical specification

# ELECTRICAL DATA

## Medium Temperature - Copeland Discus™ Models/460V

| Model | Compressor | Condensing Unit | | | | | | Remote Loads: Four Contactors | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Low Amps "4L" | | | | High Amps "4H" | | | |
| | | Compressor | | Condenser | | Air Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | |
| | | RLA (Each) | LRA (Each) | No. Fans | FLA (Total) | MCA | MOPD | | | MCA | MOPD | | | MCA | MOPD |
| ACV0150MCACD | 3DS3R17ME | 26.0 | 138.0 | 2 | 6.6 | 39.1 | 60 | 15 | 48 | 60.0 | 80 | 15 | 64 | 80.0 | 80 |
| ACV0151MCACD | 3DS3R17ME | 26.0 | 138.0 | 2 | 6.6 | 39.1 | 60 | 15 | 48 | 60.0 | 80 | 15 | 64 | 80.0 | 80 |
| ACV0200MCACD | 4DBNR20ME | 32.4 | 187.0 | 2 | 6.6 | 47.1 | 70 | 15 | 48 | 62.1 | 90 | 15 | 64 | 80.0 | 90 |
| ACV0201MCACD | 4DBNR20ME | 32.4 | 187.0 | 2 | 6.6 | 47.1 | 70 | 15 | 48 | 62.1 | 90 | 15 | 64 | 80.0 | 90 |
| ACV0250MCACD | 4DHNR22ME | 33.4 | 214.0 | 2 | 6.6 | 48.3 | 80 | 20 | 64 | 80.0 | 100 | 20 | 96 | 120.0 | 125 |
| ACV0251MCACD | 4DHNR22ME | 33.4 | 214.0 | 3 | 9.9 | 51.6 | 80 | 20 | 64 | 80.0 | 100 | 20 | 96 | 120.0 | 125 |
| ACV0260MCACD | 4DHNR22ME | 33.4 | 214.0 | 2 | 6.6 | 48.3 | 80 | 20 | 64 | 80.0 | 100 | 20 | 96 | 120.0 | 125 |
| ACV0300MCACD | 4DJNR28ME | 47.3 | 235.0 | 2 | 6.6 | 65.7 | 100 | 20 | 64 | 85.7 | 125 | 20 | 96 | 120.0 | 125 |
| ACV0301MCACD | 4DJNR28ME | 47.3 | 235.0 | 3 | 9.9 | 69.0 | 100 | 20 | 64 | 89.0 | 125 | 20 | 96 | 120.0 | 125 |
| ACV0350MCACD | 6DHNR35ME | 56.2 | 283.0 | 3 | 9.9 | 80.1 | 125 | 20 | 64 | 100.1 | 150 | 20 | 96 | 120.0 | 150 |
| ACV0351MCACD | 6DHNR35ME | 56.2 | 283.0 | 4 | 13.2 | 83.4 | 125 | 20 | 64 | 103.4 | 150 | 20 | 96 | 120.0 | 150 |
| ACV0400MKACD* | 6DJNR40ME | 64.1 | 297.0 | 3 | 9.9 | 90.0 | 150 | 20 | 64 | 110.0 | 150 | 20 | 96 | 120.0 | 150 |
| ACV0401MKACD* | 6DJNR40ME | 64.1 | 297.0 | 4 | 13.2 | 93.3 | 150 | 20 | 64 | 113.3 | 175 | 20 | 96 | 120.0 | 175 |
| ACV0500MDACD | 6DUNR49ME | 75 | 482 | 4 | 13.2 | 107 | 175 | 20 | 64 | 127 | 200 | 20 | 96 | 127 | 200 |

| Model | Compressor | Condensing Unit | | | | | | Remote Loads: Three Contactors | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Low Amps "4L" | | | | High Amps "4H" | | | |
| | | Compressor | | Condenser | | Air Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | |
| | | RLA (Each) | LRA (Each) | No. Fans | FLA (Total) | MCA | MOPD | | | MCA | MOPD | | | MCA | MOPD |
| ACV0150MCACD | 3DS3R17ME | 26.0 | 138.0 | 2 | 6.6 | 39.1 | 60 | 15 | 48 | 60.0 | 80 | 15 | 64 | 80.0 | 80 |
| ACV0151MCACD | 3DS3R17ME | 26.0 | 138.0 | 2 | 6.6 | 39.1 | 60 | 15 | 48 | 60.0 | 80 | 15 | 64 | 80.0 | 80 |
| ACV0200MCACD | 4DBNR20ME | 32.4 | 187.0 | 2 | 6.6 | 47.1 | 70 | 15 | 64 | 80.0 | 90 | 15 | 64 | 80.0 | 90 |
| ACV0201MCACD | 4DBNR20ME | 32.4 | 187.0 | 2 | 6.6 | 47.1 | 70 | 15 | 48 | 62.1 | 90 | | | 47.1 | 70 |
| ACV0250MCACD | 4DHNR22ME | 33.4 | 214.0 | 2 | 6.6 | 48.3 | 80 | 15 | 64 | 80.0 | 90 | 20 | 64 | 80.0 | 100 |
| ACV0251MCACD | 4DHNR22ME | 33.4 | 214.0 | 3 | 9.9 | 51.6 | 80 | 15 | 64 | 80.0 | 100 | 20 | 80 | 100.0 | 100 |
| ACV0260MCACD | 4DHNR22ME | 33.4 | 214.0 | 2 | 6.6 | 48.3 | 80 | 15 | 64 | 80.0 | 90 | 20 | 64 | 80.0 | 100 |
| ACV0300MCACD | 4DJNR28ME | 47.3 | 235.0 | 2 | 6.6 | 65.7 | 100 | 20 | 64 | 85.7 | 125 | 20 | 64 | 85.7 | 125 |
| ACV0301MCACD | 4DJNR28ME | 47.3 | 235.0 | 3 | 9.9 | 69.0 | 100 | 20 | 80 | 100.0 | 125 | 20 | 80 | 100.0 | 125 |
| ACV0350MCACD | 6DHNR35ME | 56.2 | 283.0 | 3 | 9.9 | 80.1 | 125 | 20 | 64 | 100.1 | 150 | 20 | 96 | 120.0 | 150 |
| ACV0351MCACD | 6DHNR35ME | 56.2 | 283.0 | 4 | 13.2 | 83.4 | 125 | 20 | 64 | 103.4 | 150 | 20 | 96 | 120.0 | 150 |
| ACV0400MKACD* | 6DJNR40ME | 64.1 | 297.0 | 3 | 9.9 | 90.0 | 150 | 20 | 64 | 110.0 | 150 | 22 | 64 | 112.0 | 175 |
| ACV0401MKACD* | 6DJNR40ME | 64.1 | 297.0 | 4 | 13.2 | 93.3 | 150 | 20 | 80 | 113.3 | 175 | 20 | 80 | 113.3 | 175 |
| ACV0500MDACD | 6DUNR49ME | 75 | 482 | 4 | 13.2 | 107 | 175 | 20 | 64 | 127 | 200 | 22 | 64 | 129 | 200 |

**Notes:**
MCA = Minimum Circuit Ampacity
MOP = Maximum Overcurrent Protection
intelliGen™ 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 condensing unit to allow termination on coils that have already defrosted to prevent unnecessary steaming. This option is not needed on intelliGen™ systems wired for a Master / Slave operation.

Mounted Electric Defrost Kits for condensing units include:
Defrost timer, Spring terminals, (1) evaporator fan contactor and:
One (1) defrost heater contactor for 1L and 1H codes, Two (2) defrost heater contactors for 2L and 2H codes, Four (4) defrost heater contactors for 4L and 4H codes
Power is supplied to each intelliGen™ evaporator.
Each coil terminates its own defrost. Refrigeration will not start until all coils have terminated defrost.
Contact factory for 575 volt electrical specification

# ELECTRICAL DATA

## Medium Temperature - Copeland Discus™ Models/460V

| | | Remote Loads: Two Contactors | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Condensing Unit | | | | | | Low Amps "4L" | | | | High Amps "4H" | | | |
| Model | Compressor | Compressor | | Condenser | | Air Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | |
| | | RLA (Each) | LRA (Each) | No. Fans | FLA (Total) | MCA | MOPD | | | MCA | MOPD | | | MCA | MOPD |
| ACV0150MCACD | 3DS3R17ME | 26.0 | 138.0 | 2 | 6.6 | 39.1 | 60 | 15 | 48 | 60.0 | 80 | 15 | 64 | 80.0 | 80 |
| ACV0151MCACD | 3DS3R17ME | 26.0 | 138.0 | 2 | 6.6 | 39.1 | 60 | 15 | 48 | 60.0 | 80 | 15 | 64 | 80.0 | 80 |
| ACV0200MCACD | 4DBNR20ME | 32.4 | 187.0 | 2 | 6.6 | 47.1 | 70 | 15 | 48 | 62.1 | 90 | 15 | 64 | 80.0 | 90 |
| ACV0201MCACD | 4DBNR20ME | 32.4 | 187.0 | 2 | 6.6 | 47.1 | 70 | 15 | 48 | 62.1 | 90 | 15 | 64 | 80.0 | 90 |
| ACV0250MCACD | 4DHNR22ME | 33.4 | 214.0 | 2 | 6.6 | 48.3 | 80 | 15 | 48 | 63.3 | 90 | 15 | 80 | 100.0 | 100 |
| ACV0251MCACD | 4DHNR22ME | 33.4 | 214.0 | 3 | 9.9 | 51.6 | 80 | 15 | 48 | 66.6 | 100 | 15 | 80 | 100.0 | 100 |
| ACV0260MCACD | 4DHNR22ME | 33.4 | 214.0 | 2 | 6.6 | 48.3 | 80 | 15 | 48 | 63.3 | 90 | 15 | 80 | 100.0 | 100 |
| ACV0300MCACD | 4DJNR28ME | 47.3 | 235.0 | 2 | 6.6 | 65.7 | 100 | 15 | 80 | 100.0 | 125 | 20 | 96 | 120.0 | 125 |
| ACV0301MCACD | 4DJNR28ME | 47.3 | 235.0 | 3 | 9.9 | 69.0 | 100 | 15 | 80 | 100.0 | 125 | 20 | 96 | 120.0 | 125 |
| ACV0350MCACD | 6DHNR35ME | 56.2 | 283.0 | 3 | 9.9 | 80.1 | 125 | 20 | 80 | 100.1 | 150 | 20 | 96 | 120.0 | 150 |
| ACV0351MCACD | 6DHNR35ME | 56.2 | 283.0 | 4 | 13.2 | 83.4 | 125 | 20 | 80 | 103.4 | 150 | 20 | 96 | 120.0 | 150 |
| ACV0400MKACD* | 6DJNR40ME | 64.1 | 297.0 | 3 | 9.9 | 90.0 | 150 | 20 | 80 | 110.0 | 150 | 20 | 96 | 120.0 | 150 |
| ACV0401MKACD* | 6DJNR40ME | 64.1 | 297.0 | 4 | 13.2 | 93.3 | 150 | 20 | 80 | 113.3 | 175 | 20 | 96 | 120.0 | 175 |
| ACV0500MDACD | 6DUNR49ME | 75 | 482 | 4 | 13.2 | 107 | 175 | 20 | 80 | 127 | 200 | 20 | 96 | 20 | 96 |

| | | Remote Loads: One Contactor | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Condensing Unit | | | | | | Low Amps "4L" | | | | High Amps "4H" | | | |
| Model | Compressor | Compressor | | Condenser | | Air Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | |
| | | RLA (Each) | LRA (Each) | No. Fans | FLA (Total) | MCA | MOPD | | | MCA | MOPD | | | MCA | MOPD |
| ACV0150MCACD | 3DS3R17ME | 26.0 | 138.0 | 2 | 6.6 | 39.1 | 60 | 15 | 40 | 54.1 | 80 | 15 | 48 | 60.0 | 80 |
| ACV0151MCACD | 3DS3R17ME | 26.0 | 138.0 | 2 | 6.6 | 39.1 | 60 | 15 | 40 | 54.1 | 80 | 15 | 48 | 60.0 | 80 |
| ACV0200MCACD | 4DBNR20ME | 32.4 | 187.0 | 2 | 6.6 | 47.1 | 70 | 15 | 40 | 62.1 | 90 | 15 | 48 | 62.1 | 90 |
| ACV0201MCACD | 4DBNR20ME | 32.4 | 187.0 | 2 | 6.6 | 47.1 | 70 | 15 | 40 | 62.1 | 90 | 15 | 48 | 62.1 | 90 |
| ACV0250MCACD | 4DHNR22ME | 33.4 | 214.0 | 2 | 6.6 | 48.3 | 80 | - | - | - | - | - | - | - | - |
| ACV0251MCACD | 4DHNR22ME | 33.4 | 214.0 | 3 | 9.9 | 51.6 | 80 | - | - | - | - | - | - | - | - |
| ACV0260MCACD | 4DHNR22ME | 33.4 | 214.0 | 2 | 6.6 | 48.3 | 80 | - | - | - | - | - | - | - | - |
| ACV0300MCACD | 4DJNR28ME | 47.3 | 235.0 | 2 | 6.6 | 65.7 | 100 | - | - | - | - | - | - | - | - |
| ACV0301MCACD | 4DJNR28ME | 47.3 | 235.0 | 3 | 9.9 | 69.0 | 100 | - | - | - | - | - | - | - | - |
| ACV0350MCACD | 6DHNR35ME | 56.2 | 283.0 | 3 | 9.9 | 80.1 | 125 | - | - | - | - | - | - | - | - |
| ACV0351MCACD | 6DHNR35ME | 56.2 | 283.0 | 4 | 13.2 | 83.4 | 125 | - | - | - | - | - | - | - | - |
| ACV0400MKACD* | 6DJNR40ME | 64.1 | 297.0 | 3 | 9.9 | 90.0 | 150 | - | - | - | - | - | - | - | - |
| ACV0401MKACD* | 6DJNR40ME | 64.1 | 297.0 | 4 | 13.2 | 93.3 | 150 | - | - | - | - | - | - | - | - |
| ACV0500MDACD | 6DUNR49ME | 75 | 482 | 4 | 13.2 | 107 | 175 | - | - | - | - | - | - | - | - |

**Notes:**
MCA = Minimum Circuit Ampacity
MOP = Maximum Overcurrent Protection
intelliGen™ 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 condensing unit to allow termination on coils that have already defrosted to prevent unnecessary steaming. This option is not needed on intelliGen™ systems wired for a Master / Slave operation.

Mounted Electric Defrost Kits for condensing units include:
Defrost timer, Spring terminals, (1) evaporator fan contactor and:
One (1) defrost heater contactor for 1L and 1H codes, Two (2) defrost heater contactors for 2L and 2H codes, Four (4) defrost heater contactors for 4L and 4H codes
Power is supplied to each intelliGen™ evaporator.
Each coil terminates its own defrost. Refrigeration will not start until all coils have terminated defrost.
Contact factory for 575 volt electrical specification

# PERFORMANCE DATA – R-404A/R-507A

## Medium Temperature - Bitzer Compressor Models

| R-404A/R-507A | | Capacity BTUH @ 90°F Ambient by SST | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 40°F | 35°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F | -10°F | -20°F |
| ACV0150MΛABX | 4PES-15Y | 189,360 | 173,520 | 158,000 | 143,410 | 129,580 | 116,380 | 103,850 | 81,850 | 63,180 | 47,570 |
| ACV0200MΛABX | 4NES-20Y | 215,980 | 198,950 | 182,350 | 166,040 | 150,750 | 136,250 | 122,490 | 97,450 | 76,320 | 58,430 |
| ACV0220MΛABX | 4JE-22Y | 234,830 | 217,970 | 200,540 | 183,460 | 166,930 | 151,450 | 136,840 | 109,470 | 85,970 | 65,780 |
| ACV0250MΛABX | 4HE-25Y | 267,480 | 248,910 | 230,820 | 212,060 | 194,000 | 176,250 | 159,790 | 129,150 | 102,290 | 79,200 |
| ACV0300MΛABX | 4GE-30Y | 326,150 | 301,390 | 277,290 | 253,610 | 231,110 | 210,150 | 189,620 | 152,650 | 120,820 | 93,440 |
| ACV0330MΛABX | 6JE-33Y | 358,800 | 330,940 | 303,730 | 276,760 | 251,630 | 227,510 | 204,870 | 163,240 | 127,810 | 97,590 |
| ACV0350MΛABX | 6HE-35Y | 402,260 | 374,340 | 345,570 | 316,720 | 288,980 | 262,970 | 237,970 | 192,030 | 151,790 | 117,300 |
| ACV0400MΛABX | 6GE-40Y | 468,100 | 433,880 | 400,270 | 366,870 | 335,400 | 305,230 | 276,420 | 223,010 | 176,890 | 137,120 |
| ACV0500MΛABX | 6FE-50Y | 543,930 | 507,080 | 471,650 | 435,260 | 398,920 | 364,820 | 331,560 | 269,730 | 214,810 | 167,150 |

| R-404A/R-507A | | Capacity BTUH @ 95°F Ambient by SST | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 40°F | 35°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F | -10°F | -20°F |
| **ACV0150MΛABX** | **4PES-15Y** | **180,030** | **164,700** | **150,280** | **136,360** | **123,070** | **110,430** | **98,690** | **77,540** | **59,610** | **44,710** |
| **ACV0200MΛABX** | **4NES-20Y** | **204,670** | **189,200** | **173,480** | **158,270** | **143,470** | **129,560** | **116,410** | **92,700** | **72,370** | **55,200** |
| **ACV0220MΛABX** | **4JE-22Y** | **222,980** | **206,590** | **190,120** | **174,480** | **158,780** | **144,070** | **130,100** | **103,930** | **81,430** | **62,060** |
| **ACV0250MΛABX** | **4HE-25Y** | **253,540** | **236,140** | **219,070** | **201,520** | **184,060** | **167,650** | **151,990** | **122,880** | **97,240** | **75,030** |
| **ACV0300MΛABX** | **4GE-30Y** | **309,960** | **286,680** | **263,910** | **241,790** | **220,160** | **200,150** | **180,610** | **145,500** | **114,930** | **88,720** |
| **ACV0330MΛABX** | **6JE-33Y** | **341,530** | **315,160** | **289,220** | **263,700** | **239,740** | **217,010** | **194,800** | **155,270** | **121,070** | **91,960** |
| **ACV0350MΛABX** | **6HE-35Y** | **381,760** | **355,710** | **327,930** | **301,260** | **274,980** | **250,320** | **226,840** | **182,560** | **144,210** | **111,120** |
| **ACV0400MΛABX** | **6GE-40Y** | **444,500** | **412,470** | **380,540** | **349,110** | **319,340** | **291,030** | **263,350** | **212,380** | **168,330** | **130,230** |
| **ACV0500MΛABX** | **6FE-50Y** | **516,510** | **482,300** | **447,550** | **413,380** | **379,100** | **346,810** | **315,600** | **257,020** | **204,420** | **158,790** |

| R-404A/R-507A | | Capacity BTUH @ 100°F Ambient by SST | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 40°F | 35°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F | -10°F | -20°F |
| ACV0150MΛABX | 4PES-15Y | 170,650 | 156,190 | 142,510 | 129,190 | 116,620 | 104,600 | 93,450 | 73,250 | 56,110 | 41,890 |
| ACV0200MΛABX | 4NES-20Y | 194,470 | 179,360 | 164,530 | 149,850 | 136,120 | 123,080 | 110,530 | 87,840 | 68,450 | 52,050 |
| ACV0220MΛABX | 4JE-22Y | 210,930 | 195,660 | 180,530 | 165,410 | 150,550 | 136,620 | 123,290 | 98,360 | 76,900 | 58,290 |
| ACV0250MΛABX | 4HE-25Y | 239,510 | 223,140 | 207,330 | 190,970 | 174,620 | 158,910 | 144,090 | 116,600 | 92,060 | 70,860 |
| ACV0300MΛABX | 4GE-30Y | 293,680 | 271,810 | 250,360 | 228,900 | 209,040 | 190,030 | 171,580 | 138,150 | 109,010 | 83,940 |
| ACV0330MΛABX | 6JE-33Y | 324,050 | 299,210 | 274,610 | 250,450 | 227,480 | 206,040 | 184,930 | 147,090 | 114,330 | 86,420 |
| ACV0350MΛABX | 6HE-35Y | 361,090 | 335,390 | 310,660 | 285,580 | 260,800 | 237,510 | 215,250 | 173,130 | 136,560 | 104,920 |
| ACV0400MΛABX | 6GE-40Y | 420,830 | 390,450 | 360,640 | 331,090 | 302,970 | 276,330 | 249,630 | 201,630 | 159,690 | 123,290 |
| ACV0500MΛABX | 6FE-50Y | 485,390 | 454,040 | 423,210 | 391,180 | 358,850 | 328,700 | 299,330 | 243,910 | 194,090 | 150,340 |

**Notes:**

*LOW SUCTION TEMPERATURE APPLICATIONS IN THESE RANGES REQUIRE THE ADDITION OF A HEAD FAN*

Λ C =208-230/3/60, D = 460/3/60, E = 575/3/60

# PERFORMANCE DATA – R-404A/R-507A

## Medium Temperature - Bitzer Compressor Models

| R-404A/R-507A | | Capacity BTUH @ 110°F Ambient by SST | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 40°F | 35°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F | -10°F | -20°F |
| ACV0150M^ABX | 4PES-15Y | 151,810 | 138,980 | 126,910 | 114,980 | 103,690 | 93,110 | 82,980 | 64,740 | 49,220 | 36,370 |
| ACV0200M^ABX | 4NES-20Y | 172,790 | 159,530 | 146,440 | 133,520 | 121,520 | 109,580 | 98,390 | 78,160 | 60,640 | 45,830 |
| ACV0220M^ABX | 4JE-22Y | - | 174,040 | 160,410 | 146,740 | 133,970 | 121,760 | 109,670 | 87,390 | 67,850 | 50,940 |
| ACV0250M^ABX | 4HE-25Y | - | - | 183,780 | 169,130 | 154,670 | 141,260 | 128,380 | 103,470 | 81,680 | 62,550 |
| ACV0300M^ABX | 4GE-30Y | 260,830 | 241,640 | 222,600 | 204,040 | 186,660 | 169,640 | 153,050 | 123,300 | 97,090 | 74,470 |
| ACV0330M^ABX | 6JE-33Y | 288,610 | 266,670 | 245,060 | 223,270 | 203,190 | 183,590 | 164,900 | 130,750 | 100,930 | 75,430 |
| ACV0350M^ABX | 6HE-35Y | - | 298,190 | 275,810 | 253,900 | 232,110 | 211,530 | 191,700 | 154,040 | 121,200 | 92,500 |
| ACV0400M^ABX | 6GE-40Y | 372,580 | 346,420 | 320,490 | 294,430 | 269,780 | 245,940 | 222,680 | 180,000 | 142,150 | 109,200 |
| ACV0500M^ABX | 6FE-50Y | - | - | 373,770 | 346,020 | 318,140 | 291,940 | 266,580 | 216,890 | 172,740 | 133,210 |

**Notes:**

*LOW SUCTION TEMPERATURE APPLICATIONS IN THESE RANGES REQUIRE THE ADDITION OF A HEAD FAN*

^ C =208-230/3/60, D = 460/3/60, E = 575/3/60

# PERFORMANCE DATA – R-448A/R-449A

## Medium Temperature - Bitzer Compressor Models

| R-448A/R-449A | | Capacity BTUH @ 90°F Ambient by SST | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 40°F | 35°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F | -10°F | -20°F |
| ACV0150M^ABX | 4PES-15Y | 185,950 | 167,980 | 150,950 | 135,100 | 120,130 | 106,470 | 93,980 | 72,170 | 54,280 | 39,700 |
| ACV0200M^ABX | 4NES-20Y | 215,390 | 195,190 | 176,270 | 158,410 | 141,710 | 126,320 | 111,990 | 86,950 | 66,350 | 49,370 |
| ACV0220M^ABX | 4JE-22Y | 236,480 | 215,060 | 195,000 | 175,910 | 157,910 | 141,310 | 125,520 | 97,760 | 74,710 | 55,350 |
| ACV0250M^ABX | 4HE-25Y | 272,520 | 249,170 | 226,290 | 204,950 | 184,690 | 165,720 | 148,090 | 116,230 | 89,630 | 67,190 |
| ACV0300M^ABX | 4GE-30Y | 324,280 | 295,650 | 268,220 | 242,270 | 218,040 | 195,250 | 174,170 | 136,730 | 105,490 | 79,270 |
| ACV0330M^ABX | 6JE-33Y | 357,290 | 324,680 | 293,500 | 264,050 | 236,680 | 210,910 | 187,070 | 145,350 | 110,700 | 81,880 |
| ACV0350M^ABX | 6HE-35Y | 407,260 | 371,350 | 337,460 | 305,130 | 274,600 | 246,060 | 219,460 | 172,100 | 132,600 | 99,440 |
| ACV0400M^ABX | 6GE-40Y | 468,360 | 428,060 | 389,160 | 352,180 | 317,550 | 284,770 | 254,150 | 200,070 | 154,760 | 116,520 |
| ACV0500M^ABX | 6FE-50Y | 555,680 | 509,740 | 464,670 | 422,050 | 381,560 | 343,460 | 307,800 | 243,440 | 188,420 | 142,010 |

| R-448A/R-449A | | Capacity BTUH @ 95°F Ambient by SST | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 40°F | 35°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F | -10°F | -20°F |
| **ACV0150M^ABX** | **4PES-15Y** | **178,450** | **161,140** | **144,700** | **129,370** | **114,880** | **101,740** | **89,690** | **68,620** | **51,400** | **37,370** |
| **ACV0200M^ABX** | **4NES-20Y** | **206,940** | **187,480** | **169,260** | **152,030** | **136,050** | **121,040** | **107,270** | **83,060** | **63,180** | **46,820** |
| **ACV0220M^ABX** | **4JE-22Y** | **227,130** | **206,500** | **187,160** | **168,760** | **151,300** | **135,280** | **120,100** | **93,260** | **70,990** | **52,230** |
| **ACV0250M^ABX** | **4HE-25Y** | **261,540** | **239,150** | **217,160** | **196,630** | **177,150** | **158,890** | **141,900** | **111,160** | **85,490** | **63,830** |
| **ACV0300M^ABX** | **4GE-30Y** | **311,450** | **283,970** | **257,620** | **232,650** | **209,330** | **187,180** | **166,930** | **130,960** | **100,850** | **75,560** |
| **ACV0330M^ABX** | **6JE-33Y** | **343,630** | **312,250** | **282,160** | **253,670** | **227,180** | **202,220** | **179,210** | **138,650** | **105,150** | **77,280** |
| **ACV0350M^ABX** | **6HE-35Y** | **391,240** | **356,730** | **324,170** | **293,060** | **263,430** | **236,250** | **210,410** | **164,650** | **126,490** | **94,430** |
| **ACV0400M^ABX** | **6GE-40Y** | **449,780** | **411,120** | **373,800** | **338,260** | **304,900** | **273,340** | **243,940** | **191,720** | **147,970** | **111,010** |
| **ACV0500M^ABX** | **6FE-50Y** | **532,520** | **488,730** | **445,600** | **404,990** | **366,190** | **329,590** | **295,300** | **233,110** | **180,370** | **135,340** |

| R-448A/R-449A | | Capacity BTUH @ 100°F Ambient by SST | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 40°F | 35°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F | -10°F | -20°F |
| ACV0150M^ABX | 4PES-15Y | 170,990 | 154,300 | 138,460 | 123,680 | 109,880 | 97,030 | 85,440 | 65,120 | 48,550 | 35,070 |
| ACV0200M^ABX | 4NES-20Y | 198,510 | 179,770 | 162,230 | 145,660 | 130,260 | 115,780 | 102,400 | 79,150 | 60,050 | 44,310 |
| ACV0220M^ABX | 4JE-22Y | 217,750 | 198,290 | 179,320 | 161,480 | 144,800 | 129,330 | 114,600 | 88,850 | 67,270 | 49,160 |
| ACV0250M^ABX | 4HE-25Y | 250,510 | 229,100 | 207,980 | 188,330 | 169,590 | 152,020 | 135,570 | 106,060 | 81,330 | 60,460 |
| ACV0300M^ABX | 4GE-30Y | 298,550 | 272,210 | 246,930 | 222,960 | 200,520 | 179,240 | 159,710 | 125,170 | 96,170 | 71,830 |
| ACV0330M^ABX | 6JE-33Y | 330,580 | 299,790 | 270,790 | 243,270 | 217,670 | 193,520 | 171,150 | 132,010 | 99,610 | 72,670 |
| ACV0350M^ABX | 6HE-35Y | 375,190 | 342,030 | 310,830 | 280,760 | 252,500 | 226,240 | 201,350 | 157,180 | 120,350 | 89,380 |
| ACV0400M^ABX | 6GE-40Y | 431,110 | 394,050 | 358,300 | 324,190 | 292,220 | 261,860 | 233,640 | 183,230 | 141,070 | 105,420 |
| ACV0500M^ABX | 6FE-50Y | 509,690 | 467,900 | 426,670 | 387,840 | 350,680 | 316,020 | 282,710 | 222,890 | 172,070 | 128,490 |

**Notes:**

*LOW SUCTION TEMPERATURE APPLICATIONS IN THESE RANGES REQUIRE THE ADDITION OF A HEAD FAN*

^ C =208-230/3/60, D = 460/3/60, E = 575/3/60

# PERFORMANCE DATA – R-448A/R-449A

## Medium Temperature - Bitzer Compressor Models

| R-448A/R-449A | | Capacity BTUH @ 110°F Ambient by SST | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 40°F | 35°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F | -10°F | -20°F |
| ACV0150M^ABX | 4PES-15Y | 156,150 | 140,780 | 126,290 | 112,360 | 99,500 | 87,820 | 77,000 | 58,250 | 42,940 | 30,590 |
| ACV0200M^ABX | 4NES-20Y | - | - | 148,350 | 133,060 | 118,810 | 105,320 | 92,990 | 71,540 | 53,830 | 39,360 |
| ACV0220M^ABX | 4JE-22Y | - | - | - | 147,240 | 131,800 | 117,440 | 103,940 | 79,900 | 59,860 | 43,030 |
| ACV0250M^ABX | 4HE-25Y | - | - | - | - | 154,310 | 138,190 | 123,100 | 95,840 | 73,020 | 53,720 |
| ACV0300M^ABX | 4GE-30Y | - | - | 225,550 | 203,730 | 182,830 | 163,490 | 145,310 | 113,520 | 86,790 | 64,280 |
| ACV0330M^ABX | 6JE-33Y | - | - | 247,940 | 222,440 | 198,320 | 175,980 | 155,190 | 118,790 | 88,590 | 63,490 |
| ACV0350M^ABX | 6HE-35Y | - | - | - | - | 230,440 | 206,190 | 182,960 | 142,160 | 108,000 | 79,220 |
| ACV0400M^ABX | 6GE-40Y | - | - | 327,210 | 295,980 | 266,630 | 238,450 | 212,520 | 166,180 | 127,070 | 93,950 |
| ACV0500M^ABX | 6FE-50Y | - | - | - | - | 319,370 | 287,720 | 257,160 | 202,100 | 155,110 | 114,620 |

**Notes:**

*LOW SUCTION TEMPERATURE APPLICATIONS IN THESE RANGES REQUIRE THE ADDITION OF A HEAD FAN*

^ C =208-230/3/60, D = 460/3/60, E = 575/3/60

# PERFORMANCE DATA – R-407A/R-407F

## Medium Temperature - Bitzer Compressor Models

| R-407A/R-407F | | Capacity BTUH @ 90°F Ambient by SST | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 40°F | 35°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F | -10°F | -20°F |
| ACV0150MΛABX | 4PES-15Y | 187,720 | 170,420 | 153,860 | 138,400 | 123,480 | 109,960 | 97,280 | 75,110 | 56,520 | 40,910 |
| ACV0200MΛABX | 4NES-20Y | 214,480 | 195,060 | 176,860 | 159,550 | 143,230 | 128,070 | 113,690 | 88,470 | 67,230 | 49,300 |
| ACV0220MΛABX | 4JE-22Y | 233,700 | 213,180 | 193,140 | 174,390 | 156,680 | 140,240 | 124,490 | 96,370 | 72,650 | 52,220 |
| ACV0250MΛABX | 4HE-25Y | 265,710 | 242,770 | 220,560 | 199,090 | 179,000 | 160,180 | 142,600 | 110,480 | 83,300 | 59,980 |
| ACV0300MΛABX | 4GE-30Y | 325,660 | 297,010 | 269,430 | 243,160 | 218,710 | 195,500 | 173,840 | 135,440 | 102,830 | 75,030 |
| ACV0330MΛABX | 6JE-33Y | 355,920 | 323,750 | 293,610 | 264,850 | 237,580 | 212,330 | 188,430 | 145,780 | 109,630 | 78,750 |
| ACV0350MΛABX | 6HE-35Y | 410,300 | 375,240 | 340,800 | 308,340 | 277,740 | 248,900 | 221,930 | 172,860 | 131,280 | 95,640 |
| ACV0400MΛABX | 6GE-40Y | 482,990 | 440,440 | 400,280 | 361,950 | 325,600 | 291,770 | 259,370 | 202,180 | 153,660 | 112,130 |
| ACV0500MΛABX | 6FE-50Y | 561,130 | 513,110 | 466,590 | 422,890 | 381,240 | 341,990 | 305,230 | 238,180 | 181,230 | 132,430 |

| R-407A/R-407F | | Capacity BTUH @ 95°F Ambient by SST | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 40°F | 35°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F | -10°F | -20°F |
| **ACV0150MΛABX** | **4PES-15Y** | **179,870** | **163,220** | **147,290** | **132,370** | **118,070** | **104,950** | **92,840** | **71,370** | **53,410** | **38,450** |
| **ACV0200MΛABX** | **4NES-20Y** | **205,540** | **186,860** | **169,390** | **152,730** | **136,990** | **122,400** | **108,680** | **84,250** | **63,780** | **46,530** |
| **ACV0220MΛABX** | **4JE-22Y** | **223,800** | **204,090** | **184,810** | **166,770** | **149,700** | **133,810** | **118,540** | **91,640** | **68,680** | **49,030** |
| **ACV0250MΛABX** | **4HE-25Y** | **254,320** | **232,270** | **210,950** | **190,560** | **170,950** | **152,810** | **135,840** | **104,880** | **78,730** | **56,220** |
| **ACV0300MΛABX** | **4GE-30Y** | **312,580** | **284,980** | **258,450** | **233,150** | **209,530** | **186,940** | **166,220** | **129,180** | **97,720** | **70,880** |
| **ACV0330MΛABX** | **6JE-33Y** | **341,010** | **310,070** | **281,060** | **253,270** | **227,080** | **202,680** | **179,630** | **138,490** | **103,650** | **73,940** |
| **ACV0350MΛABX** | **6HE-35Y** | **393,150** | **359,490** | **326,980** | **295,210** | **265,760** | **237,970** | **211,950** | **164,620** | **124,580** | **90,260** |
| **ACV0400MΛABX** | **6GE-40Y** | **463,310** | **422,450** | **383,850** | **346,910** | **311,910** | **279,160** | **248,110** | **192,960** | **146,000** | **106,020** |
| **ACV0500MΛABX** | **6FE-50Y** | **536,600** | **491,670** | **447,010** | **405,030** | **364,980** | **327,160** | **291,540** | **227,040** | **172,150** | **125,190** |

| R-407A/R-407F | | Capacity BTUH @ 100°F Ambient by SST | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 40°F | 35°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F | -10°F | -20°F |
| ACV0150MΛABX | 4PES-15Y | 171,990 | 156,020 | 140,700 | 126,340 | 112,680 | 99,940 | 88,320 | 67,650 | 50,360 | 36,000 |
| ACV0200MΛABX | 4NES-20Y | 196,570 | 178,670 | 161,890 | 145,910 | 130,970 | 116,710 | 103,440 | 80,030 | 60,360 | 43,790 |
| ACV0220MΛABX | 4JE-22Y | 213,930 | 195,010 | 176,450 | 159,160 | 142,720 | 127,420 | 112,820 | 86,830 | 64,740 | 45,860 |
| ACV0250MΛABX | 4HE-25Y | 242,910 | 221,810 | 201,360 | 181,780 | 162,920 | 145,480 | 129,090 | 99,290 | 74,170 | 52,560 |
| ACV0300MΛABX | 4GE-30Y | 299,440 | 272,960 | 247,380 | 223,140 | 200,360 | 178,710 | 158,620 | 122,930 | 92,640 | 66,830 |
| ACV0330MΛABX | 6JE-33Y | 326,090 | 296,370 | 268,500 | 241,800 | 216,940 | 193,070 | 170,750 | 131,260 | 97,740 | 69,180 |
| ACV0350MΛABX | 6HE-35Y | 375,980 | 343,780 | 312,610 | 282,150 | 253,790 | 227,390 | 201,920 | 156,450 | 117,940 | 84,940 |
| ACV0400MΛABX | 6GE-40Y | 443,640 | 404,460 | 367,390 | 331,940 | 298,130 | 266,670 | 236,910 | 183,610 | 138,410 | 99,950 |
| ACV0500MΛABX | 6FE-50Y | - | 470,270 | 427,480 | 387,220 | 348,750 | 312,170 | 278,050 | 215,860 | 163,110 | 117,970 |

**Notes:**

*LOW SUCTION TEMPERATURE APPLICATIONS IN THESE RANGES REQUIRE THE ADDITION OF A HEAD FAN*

Liquid Injection is Required

Λ C =208-230/3/60, D = 460/3/60, E = 575/3/60

# PERFORMANCE DATA – R-407A/R-407F

## Medium Temperature - Bitzer Compressor Models

| R-407A/R-407F | | Capacity BTUH @ 110°F Ambient by SST | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 40°F | 35°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F | -10°F | -20°F |
| ACV0150M^ABX | 4PES-15Y | 156,280 | 141,640 | 127,780 | 114,150 | 101,670 | 90,110 | 79,310 | 60,250 | 44,330 | 31,190 |
| ACV0200M^ABX | 4NES-20Y | - | - | 146,960 | 132,290 | 118,530 | 105,320 | 93,180 | 71,680 | 53,510 | 38,360 |
| ACV0220M^ABX | 4JE-22Y | - | - | - | 144,080 | 128,930 | 114,780 | 101,290 | 77,370 | 56,950 | 39,660 |
| ACV0250M^ABX | 4HE-25Y | - | - | - | - | 147,030 | 131,180 | 115,720 | 88,500 | 65,260 | 45,410 |
| ACV0300M^ABX | 4GE-30Y | - | - | 225,510 | 203,490 | 182,140 | 162,370 | 143,560 | 110,640 | 82,650 | 58,880 |
| ACV0330M^ABX | 6JE-33Y | - | - | 243,600 | 219,030 | 196,030 | 174,000 | 153,400 | 116,990 | 86,100 | 59,860 |
| ACV0350M^ABX | 6HE-35Y | - | - | - | - | 230,100 | 205,760 | 182,130 | 140,310 | 104,820 | 74,500 |
| ACV0400M^ABX | 6GE-40Y | - | - | - | 302,070 | 271,270 | 241,600 | 214,260 | 165,200 | 123,460 | 88,060 |
| ACV0500M^ABX | 6FE-50Y | - | - | - | - | 316,470 | 282,880 | 251,380 | 194,020 | 145,380 | 103,860 |

**Notes:**

*LOW SUCTION TEMPERATURE APPLICATIONS IN THESE RANGES REQUIRE THE ADDITION OF A HEAD FAN*

Liquid Injection is Required

^ C =208-230/3/60, D = 460/3/60, E = 575/3/60

# PERFORMANCE DATA – R-407C

## Medium Temperature - Bitzer Compressor Models

| R-407C | | Capacity BTUH @ 90°F Ambient by SST | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 40°F | 35°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F | -10°F | -20°F |
| ACV0150MΛABX | 4PES-15Y | 169,460 | 152,840 | 137,430 | 123,100 | 109,570 | 97,280 | 85,780 | 65,630 | 48,370 | - |
| ACV0200MΛABX | 4NES-20Y | 194,600 | 176,320 | 158,750 | 142,590 | 127,500 | 113,490 | 100,490 | 77,480 | 57,770 | - |
| ACV0220MΛABX | 4JE-22Y | 215,710 | 195,330 | 175,930 | 157,460 | 140,450 | 124,650 | 109,970 | 83,630 | 61,110 | - |
| ACV0250MΛABX | 4HE-25Y | 251,190 | 228,100 | 206,020 | 184,950 | 165,450 | 147,330 | 130,460 | 99,970 | 73,650 | - |
| ACV0300MΛABX | 4GE-30Y | 305,860 | 277,560 | 250,600 | 225,430 | 201,590 | 179,560 | 159,000 | 122,710 | 91,490 | - |
| ACV0330MΛABX | 6JE-33Y | 318,280 | 288,320 | 259,880 | 233,150 | 208,310 | 185,210 | 163,700 | 125,930 | 93,530 | - |
| ACV0350MΛABX | 6HE-35Y | 370,300 | 335,910 | 303,730 | 273,360 | 245,180 | 218,590 | 193,840 | 150,030 | 112,630 | - |
| ACV0400MΛABX | 6GE-40Y | 442,230 | 401,950 | 363,580 | 327,800 | 293,830 | 262,240 | 233,290 | 181,610 | 137,510 | - |
| ACV0500MΛABX | 6FE-50Y | 511,350 | 464,440 | 420,180 | 378,540 | 339,430 | 303,300 | 269,120 | 208,880 | 157,240 | - |

| R-407C | | Capacity BTUH @ 95°F Ambient by SST | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 40°F | 35°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F | -10°F | -20°F |
| **ACV0150MΛABX** | **4PES-15Y** | **162,460** | **146,690** | **131,800** | **117,940** | **104,860** | **93,040** | **81,930** | **62,480** | **45,870** | **-** |
| **ACV0200MΛABX** | **4NES-20Y** | **186,970** | **169,300** | **152,350** | **136,740** | **122,200** | **108,690** | **96,230** | **73,930** | **54,970** | **-** |
| **ACV0220MΛABX** | **4JE-22Y** | **207,250** | **187,600** | **168,830** | **150,970** | **134,670** | **119,330** | **104,950** | **79,560** | **57,780** | **-** |
| **ACV0250MΛABX** | **4HE-25Y** | **241,570** | **219,280** | **197,970** | **177,850** | **158,740** | **141,190** | **124,860** | **95,400** | **-** | **-** |
| **ACV0300MΛABX** | **4GE-30Y** | **294,910** | **267,560** | **241,510** | **217,170** | **194,070** | **172,800** | **152,810** | **117,600** | **87,360** | **-** |
| **ACV0330MΛABX** | **6JE-33Y** | **305,850** | **276,990** | **249,550** | **224,020** | **199,780** | **177,590** | **156,720** | **120,320** | **89,060** | **-** |
| **ACV0350MΛABX** | **6HE-35Y** | **356,020** | **322,880** | **291,870** | **262,600** | **235,430** | **209,680** | **185,990** | **143,810** | **107,700** | **-** |
| **ACV0400MΛABX** | **6GE-40Y** | **426,090** | **387,300** | **350,270** | **315,760** | **282,920** | **252,500** | **224,500** | **174,670** | **132,170** | **-** |
| **ACV0500MΛABX** | **6FE-50Y** | **491,620** | **446,360** | **403,970** | **363,860** | **326,190** | **291,320** | **258,470** | **200,280** | **150,560** | **-** |

| R-407C | | Capacity BTUH @ 100°F Ambient by SST | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 40°F | 35°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F | -10°F | -20°F |
| ACV0150MΛABX | 4PES-15Y | 155,990 | 140,530 | 126,160 | 112,790 | 100,260 | 88,780 | 78,050 | 59,340 | 43,390 | - |
| ACV0200MΛABX | 4NES-20Y | 179,290 | 162,280 | 146,140 | 130,890 | 116,990 | 103,850 | 91,860 | 70,360 | 52,150 | - |
| ACV0220MΛABX | 4JE-22Y | 198,880 | 179,850 | 161,770 | 144,460 | 128,590 | 113,920 | 100,010 | 75,520 | 54,480 | - |
| ACV0250MΛABX | 4HE-25Y | 231,970 | 210,460 | 189,910 | 170,210 | 152,050 | 135,090 | 119,100 | 90,850 | - | - |
| ACV0300MΛABX | 4GE-30Y | 283,880 | 257,520 | 232,360 | 208,820 | 186,490 | 165,840 | 146,620 | 112,540 | 83,170 | - |
| ACV0330MΛABX | 6JE-33Y | 293,400 | 265,600 | 239,160 | 214,560 | 190,940 | 169,600 | 149,820 | 114,640 | 84,610 | - |
| ACV0350MΛABX | 6HE-35Y | 341,750 | 309,800 | 279,970 | 251,610 | 225,490 | 200,820 | 178,120 | 137,470 | 102,750 | - |
| ACV0400MΛABX | 6GE-40Y | 409,820 | 372,480 | 336,850 | 303,600 | 272,000 | 242,930 | 215,690 | 167,790 | 126,790 | - |
| ACV0500MΛABX | 6FE-50Y | 472,160 | 428,530 | 387,780 | 349,150 | 313,250 | 279,300 | 247,520 | 191,640 | 143,860 | - |

**Notes:**

*LOW SUCTION TEMPERATURE APPLICATIONS IN THESE RANGES REQUIRE THE ADDITION OF A HEAD FAN*

Λ C =208-230/3/60, D = 460/3/60, E = 575/3/60

# PERFORMANCE DATA – R407C

## Medium Temperature - Bitzer Compressor Models

| R-407C | | Capacity BTUH @ 110°F Ambient by SST | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 40°F | 35°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F | -10°F | -20°F |
| ACV0150M^ABX | 4PES-15Y | 142,280 | 128,170 | 114,940 | 102,300 | 90,830 | 80,090 | 70,240 | 53,020 | 38,340 | - |
| ACV0200M^ABX | 4NES-20Y | 164,020 | 148,240 | 133,100 | 119,170 | 106,280 | 94,160 | 83,060 | 63,280 | - | - |
| ACV0220M^ABX | 4JE-22Y | - | 164,440 | 147,630 | 131,650 | 117,080 | 103,170 | 90,450 | 67,600 | 47,910 | - |
| ACV0250M^ABX | 4HE-25Y | - | - | 173,750 | 155,480 | 138,650 | 123,100 | 108,320 | 81,760 | 58,920 | - |
| ACV0300M^ABX | 4GE-30Y | 261,950 | 237,520 | 214,120 | 192,130 | 171,370 | 152,120 | 134,330 | 102,480 | 74,990 | - |
| ACV0330M^ABX | 6JE-33Y | 268,970 | 242,750 | 218,290 | 195,490 | 173,840 | 153,840 | 135,670 | 103,310 | 75,690 | - |
| ACV0350M^ABX | 6HE-35Y | - | 283,350 | 255,920 | 229,980 | 205,850 | 183,010 | 161,950 | 124,740 | 92,760 | - |
| ACV0400M^ABX | 6GE-40Y | 377,380 | 342,940 | 309,970 | 279,220 | 250,010 | 223,190 | 198,000 | 153,800 | 116,040 | - |
| ACV0500M^ABX | 6FE-50Y | - | - | 355,140 | 319,530 | 286,420 | 255,070 | 225,940 | 174,540 | 130,510 | - |

**Notes:**

*LOW SUCTION TEMPERATURE APPLICATIONS IN THESE RANGES REQUIRE THE ADDITION OF A HEAD FAN*

^ C =208-230/3/60, D = 460/3/60, E = 575/3/60

# PERFORMANCE DATA – R-404A/R-507A

## Low Temperature - Bitzer Compressor Models

| R-404A/R-507A | | Capacity BTUH @ 90°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| ACV0130L^ABX | 4JE-15Y | 111,700 | 99,550 | 88,240 | 77,820 | 68,080 | 59,100 | 50,830 | 43,160 | 36,110 |
| ACV0150L^ABX | 4HE-18Y | 130,850 | 116,930 | 104,020 | 92,030 | 80,820 | 70,460 | 60,920 | 52,020 | 43,840 |
| ACV0200L^ABX | 4GE-23Y | 150,080 | 135,040 | 120,600 | 107,140 | 94,550 | 82,950 | 72,110 | 62,060 | 52,700 |
| ACV0220L^ABX | 6JE-25Y | 156,840 | 140,330 | 125,240 | 111,010 | 97,500 | 85,120 | 73,610 | 62,920 | 52,930 |
| ACV0250L^ABX | 6HE-28Y | 181,490 | 163,270 | 146,260 | 130,210 | 114,810 | 100,460 | 87,310 | 74,940 | 63,430 |
| ACV0300L^ABX | 6GE-34Y | 206,290 | 187,800 | 169,700 | 152,590 | 136,200 | 120,680 | 105,990 | 91,950 | 78,960 |
| ACV0400L^ABX | 6FE-44Y | 263,440 | 237,840 | 213,680 | 190,230 | 168,160 | 147,500 | 128,430 | 110,460 | 93,670 |

| R-404A/R-507A | | Capacity BTUH @ 95°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| **ACV0130L^ABX** | **4JE-15Y** | **106,180** | **94,630** | **83,910** | **73,820** | **64,480** | **55,800** | **47,880** | **40,560** | **33,800** |
| **ACV0150L^ABX** | **4HE-18Y** | **124,540** | **111,350** | **98,920** | **87,460** | **76,740** | **66,810** | **57,670** | **49,130** | **41,290** |
| **ACV0200L^ABX** | **4GE-23Y** | **142,820** | **128,550** | **114,820** | **101,980** | **90,060** | **78,880** | **68,530** | **58,910** | **49,960** |
| **ACV0220L^ABX** | **6JE-25Y** | **148,940** | **133,250** | **118,810** | **105,050** | **92,220** | **80,400** | **69,370** | **59,050** | **49,540** |
| **ACV0250L^ABX** | **6HE-28Y** | **172,230** | **154,950** | **138,800** | **123,490** | **108,920** | **95,060** | **82,500** | **70,650** | **59,550** |
| **ACV0300L^ABX** | **6GE-34Y** | **195,540** | **178,190** | **161,120** | **144,970** | **129,440** | **114,680** | **100,570** | **87,250** | **74,820** |
| **ACV0400L^ABX** | **6FE-44Y** | **250,470** | **226,260** | **203,330** | **180,850** | **159,870** | **140,240** | **121,820** | **104,520** | **88,330** |

| R-404A/R-507A | | Capacity BTUH @ 100°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| ACV0130L^ABX | 4JE-15Y | 100,840 | 89,690 | 79,470 | 69,830 | 60,890 | 52,610 | 44,980 | 37,970 | 31,500 |
| ACV0150L^ABX | 4HE-18Y | 118,160 | 105,560 | 93,790 | 82,880 | 72,650 | 63,160 | 54,360 | 46,260 | 38,760 |
| ACV0200L^ABX | 4GE-23Y | 135,510 | 121,980 | 109,130 | 96,780 | 85,460 | 74,790 | 64,950 | 55,770 | 47,240 |
| ACV0220L^ABX | 6JE-25Y | 140,870 | 126,110 | 112,540 | 99,360 | 87,090 | 75,690 | 65,140 | 55,260 | 46,170 |
| ACV0250L^ABX | 6HE-28Y | 162,880 | 146,550 | 131,280 | 116,720 | 102,720 | 89,790 | 77,680 | 66,350 | 55,720 |
| ACV0300L^ABX | 6GE-34Y | 184,560 | 168,420 | 152,390 | 137,210 | 122,790 | 108,440 | 95,170 | 82,590 | 70,620 |
| ACV0400L^ABX | 6FE-44Y | 237,350 | 214,530 | 192,780 | 171,390 | 151,480 | 132,760 | 115,130 | 98,520 | 82,830 |

| R-404A/R-507A | | Capacity BTUH @ 110°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| ACV0130L^ABX | 4JE-15Y | 89,750 | 79,930 | 70,600 | 61,870 | 53,720 | 46,150 | 39,250 | 32,870 | 26,970 |
| ACV0150L^ABX | 4HE-18Y | 105,390 | 94,040 | 83,650 | 73,720 | 64,480 | 55,820 | 47,910 | 40,570 | 33,770 |
| ACV0200L^ABX | 4GE-23Y | 120,900 | 108,810 | 97,180 | 86,440 | 76,200 | 66,670 | 57,820 | 49,560 | 41,820 |
| ACV0220L^ABX | 6JE-25Y | 124,640 | 111,770 | 99,330 | 87,610 | 76,680 | 66,360 | 56,690 | 47,790 | 39,540 |
| ACV0250L^ABX | 6HE-28Y | 143,650 | 129,650 | 116,350 | 103,180 | 90,700 | 79,000 | 68,060 | 57,700 | 48,120 |
| ACV0300L^ABX | 6GE-34Y | - | 148,590 | 134,640 | 121,410 | 108,700 | 96,230 | 84,250 | 72,890 | 62,060 |
| ACV0400L^ABX | 6FE-44Y | 210,640 | 190,640 | 171,040 | 152,410 | 134,640 | 117,620 | 101,590 | 86,330 | 71,960 |

**Notes:**

*LOW SUCTION TEMPERATURE APPLICATIONS IN THESE RANGES REQUIRE THE ADDITION OF A HEAD FAN*

^ C =208-230/3/60, D = 460/3/60, E = 575/3/60

# PERFORMANCE DATA – R-448A/R-449A

## Low Temperature - Bitzer Compressor Models

| R-448A/R-449A | | Capacity BTUH @ 90°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| ACV0130L^ABX | 4JE-15Y | 100,830 | 88,480 | 77,320 | 67,020 | 57,620 | 49,050 | 41,210 | 34,030 | 27,430 |
| ACV0150L^ABX | 4HE-18Y | 118,460 | 104,430 | 91,470 | 79,640 | 68,760 | 58,820 | 49,770 | 41,390 | 33,690 |
| ACV0200L^ABX | 4GE-23Y | 137,410 | 121,420 | 106,910 | 93,420 | 81,120 | 69,800 | 59,460 | 49,910 | 41,050 |
| ACV0220L^ABX | 6JE-25Y | 143,770 | 126,760 | 111,160 | 96,570 | 83,330 | 71,210 | 60,160 | 49,920 | 40,520 |
| ACV0250L^ABX | 6HE-28Y | 167,600 | 148,280 | 130,440 | 113,730 | 98,450 | 84,510 | 71,690 | 59,860 | 48,860 |
| ACV0300L^ABX | 6GE-34Y | 195,570 | 174,760 | 155,190 | 136,860 | 119,650 | 103,680 | 88,960 | 75,380 | 62,650 |
| ACV0400L^ABX | 6FE-44Y | 243,340 | 215,940 | 190,280 | 166,410 | 144,410 | 124,270 | 105,710 | 88,490 | 72,520 |

| R-448A/R-449A | | Capacity BTUH @ 95°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| **ACV0130L^ABX** | **4JE-15Y** | **96,440** | **84,550** | **73,760** | **63,810** | **54,710** | **46,380** | **38,850** | **31,920** | **25,550** |
| **ACV0150L^ABX** | **4HE-18Y** | **113,570** | **99,950** | **87,430** | **76,020** | **65,520** | **55,930** | **47,160** | **39,110** | **31,680** |
| **ACV0200L^ABX** | **4GE-23Y** | **131,790** | **116,440** | **102,430** | **89,440** | **77,580** | **66,690** | **56,720** | **47,520** | **38,980** |
| **ACV0220L^ABX** | **6JE-25Y** | **137,490** | **121,050** | **105,930** | **91,810** | **79,060** | **67,360** | **56,630** | **46,810** | **37,760** |
| **ACV0250L^ABX** | **6HE-28Y** | **160,480** | **141,620** | **124,500** | **108,350** | **93,610** | **80,180** | **67,810** | **56,390** | **45,760** |
| **ACV0300L^ABX** | **6GE-34Y** | **187,340** | **167,290** | **148,560** | **131,040** | **114,450** | **99,040** | **84,910** | **71,710** | - |
| **ACV0400L^ABX** | **6FE-44Y** | **233,410** | **207,030** | **182,120** | **159,220** | **137,920** | **118,440** | **100,430** | **83,700** | **68,070** |

| R-448A/R-449A | | Capacity BTUH @ 100°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| ACV0130L^ABX | 4JE-15Y | 92,100 | 80,600 | 70,200 | 60,590 | 51,810 | 43,760 | 36,490 | 29,810 | 23,680 |
| ACV0150L^ABX | 4HE-18Y | 108,590 | 95,460 | 83,490 | 72,420 | 62,290 | 53,050 | 44,590 | 36,840 | - |
| ACV0200L^ABX | 4GE-23Y | 126,160 | 111,550 | 97,940 | 85,450 | 74,070 | 63,580 | 54,000 | 45,150 | - |
| ACV0220L^ABX | 6JE-25Y | 131,230 | 115,360 | 100,610 | 87,080 | 74,810 | 63,520 | 53,180 | 43,720 | - |
| ACV0250L^ABX | 6HE-28Y | 152,910 | 135,050 | 118,550 | 103,130 | 88,770 | 75,830 | 63,910 | 52,900 | - |
| ACV0300L^ABX | 6GE-34Y | 178,960 | 159,930 | 141,960 | 125,130 | 109,060 | 94,330 | 80,730 | 67,970 | - |
| ACV0400L^ABX | 6FE-44Y | 223,430 | 198,050 | 174,120 | 151,950 | 131,380 | 112,550 | 95,090 | 78,850 | - |

| R-448A/R-449A | | Capacity BTUH @ 110°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| ACV0130L^ABX | 4JE-15Y | 83,460 | 72,890 | 63,140 | 54,200 | 45,990 | 38,570 | 31,810 | 25,660 | - |
| ACV0150L^ABX | 4HE-18Y | 98,720 | 86,550 | 75,490 | 65,250 | 55,880 | 47,330 | 39,510 | 32,350 | - |
| ACV0200L^ABX | 4GE-23Y | 114,960 | 101,530 | 89,020 | 77,610 | 67,080 | 57,450 | 48,590 | 40,490 | - |
| ACV0220L^ABX | 6JE-25Y | 118,760 | 104,140 | 90,540 | 77,900 | 66,420 | 55,870 | 46,340 | - | - |
| ACV0250L^ABX | 6HE-28Y | 138,360 | 122,110 | 106,640 | 92,280 | 79,210 | 67,150 | 56,110 | - | - |
| ACV0300L^ABX | 6GE-34Y | - | - | 128,530 | 113,090 | 98,440 | - | - | - | - |
| ACV0400L^ABX | 6FE-44Y | 203,650 | 179,970 | 158,000 | 137,280 | 118,320 | 100,640 | 84,310 | - | - |

**Notes:**

*HEAD FAN REQUIRED FOR ALL OPERATING CONDITIONS*

Liquid Injection is Required

^ C =208-230/3/60, D = 460/3/60, E = 575/3/60

# PERFORMANCE DATA – R-407A/R-407F

## Low Temperature - Bitzer Compressor Models

| R-407A/R-407F | | Capacity BTUH @ 90°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| ACV0130L^ABX | 4JE-15Y | 98,060 | 85,580 | 74,180 | 63,520 | 53,670 | 44,560 | 36,200 | 28,440 | 21,230 |
| ACV0150L^ABX | 4HE-18Y | 116,360 | 101,930 | 88,590 | 76,320 | 64,870 | 54,300 | 44,510 | 35,440 | 26,970 |
| ACV0200L^ABX | 4GE-23Y | 136,640 | 120,270 | 105,260 | 91,150 | 78,180 | 66,110 | 54,930 | 44,490 | 34,690 |
| ACV0220L^ABX | 6JE-25Y | 139,380 | 122,320 | 106,260 | 91,320 | 77,530 | 64,620 | 52,580 | 41,390 | 30,910 |
| ACV0250L^ABX | 6HE-28Y | 165,720 | 146,000 | 127,650 | 110,210 | 93,870 | 78,920 | 64,950 | 51,810 | 39,540 |
| ACV0300L^ABX | 6GE-34Y | 185,790 | 163,950 | 143,750 | 124,780 | 106,740 | 89,790 | 74,260 | 59,540 | 45,620 |
| ACV0400L^ABX | 6FE-44Y | 236,410 | 208,340 | 181,710 | 157,070 | 134,320 | 113,110 | 93,490 | 75,160 | 57,910 |

| R-407A/R-407F | | Capacity BTUH @ 95°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| **ACV0130L^ABX** | **4JE-15Y** | **93,350** | **81,420** | **70,340** | **60,080** | **50,610** | **41,850** | **33,850** | **26,420** | **19,540** |
| **ACV0150L^ABX** | **4HE-18Y** | **111,020** | **97,130** | **84,350** | **72,430** | **61,420** | **51,260** | **41,880** | **33,180** | **25,110** |
| **ACV0200L^ABX** | **4GE-23Y** | **130,760** | **115,010** | **100,470** | **86,900** | **74,430** | **62,810** | **52,080** | **42,080** | **32,700** |
| **ACV0220L^ABX** | **6JE-25Y** | **132,580** | **116,350** | **100,780** | **86,270** | **73,050** | **60,570** | **49,110** | **38,410** | **28,460** |
| **ACV0250L^ABX** | **6HE-28Y** | **157,960** | **138,990** | **121,260** | **104,440** | **88,910** | **74,480** | **61,080** | **48,490** | **36,760** |
| **ACV0300L^ABX** | **6GE-34Y** | **176,640** | **156,080** | **136,650** | **118,340** | **100,970** | **84,890** | **69,890** | **55,810** | **42,510** |
| **ACV0400L^ABX** | **6FE-44Y** | **225,800** | **198,730** | **173,030** | **149,370** | **127,460** | **107,110** | **88,290** | **70,720** | **54,260** |

| R-407A/R-407F | | Capacity BTUH @ 100°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| ACV0130L^ABX | 4JE-15Y | 88,690 | 77,200 | 66,550 | 56,670 | 47,580 | 39,180 | 31,520 | 24,450 | 17,880 |
| ACV0150L^ABX | 4HE-18Y | 105,850 | 92,360 | 80,070 | 68,600 | 58,020 | 48,280 | 39,280 | 30,970 | 23,270 |
| ACV0200L^ABX | 4GE-23Y | 124,910 | 109,780 | 95,770 | 82,710 | 70,720 | 59,560 | 49,280 | 39,700 | 30,740 |
| ACV0220L^ABX | 6JE-25Y | 125,860 | 110,180 | 95,390 | 81,460 | 68,640 | 56,680 | 45,700 | 35,490 | 26,020 |
| ACV0250L^ABX | 6HE-28Y | 150,280 | 132,000 | 114,990 | 98,830 | 83,950 | 70,090 | 57,270 | 45,240 | 34,050 |
| ACV0300L^ABX | 6GE-34Y | 168,040 | 148,320 | 129,660 | 112,040 | 95,370 | 79,980 | 65,630 | 52,090 | 39,460 |
| ACV0400L^ABX | 6FE-44Y | 215,290 | 189,150 | 164,760 | 141,760 | 120,730 | 101,180 | 83,160 | 66,300 | 50,690 |

| R-407A/R-407F | | Capacity BTUH @ 110°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| ACV0130L^ABX | 4JE-15Y | 79,510 | 68,950 | 59,120 | 50,030 | 41,640 | 33,990 | 27,010 | 20,610 | 14,670 |
| ACV0150L^ABX | 4HE-18Y | 95,380 | 82,980 | 71,680 | 61,110 | 51,390 | 42,420 | 34,240 | 26,680 | 19,720 |
| ACV0200L^ABX | 4GE-23Y | 113,440 | 99,590 | 86,550 | 74,590 | 63,500 | 53,260 | 43,850 | 35,120 | 26,970 |
| ACV0220L^ABX | 6JE-25Y | 112,690 | 98,000 | 84,410 | 71,840 | 60,080 | 49,120 | 39,130 | 29,910 | 21,330 |
| ACV0250L^ABX | 6HE-28Y | 135,260 | 118,450 | 102,780 | 87,910 | 74,310 | 61,620 | 49,910 | 38,960 | 28,840 |
| ACV0300L^ABX | 6GE-34Y | - | 133,160 | 116,230 | 99,760 | 84,640 | 70,490 | 57,390 | 45,070 | 33,630 |
| ACV0400L^ABX | 6FE-44Y | 194,920 | 170,320 | 147,960 | 127,080 | 107,660 | 89,740 | 73,270 | 57,920 | 43,720 |

**Notes:**

*HEAD FAN REQUIRED FOR ALL OPERATING CONDITIONS*

Liquid Injection is Required

^ C =208-230/3/60, D = 460/3/60, E = 575/3/60

# PERFORMANCE DATA – R-407C

## Low Temperature - Bitzer Compressor Models

| R-407C | | Capacity BTUH @ 90°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| ACV0130L^ABX | 4JE-15Y | 85,150 | 73,620 | 62,980 | - | - | - | - | - | - |
| ACV0150L^ABX | 4HE-18Y | 101,490 | 88,140 | 75,830 | - | - | - | - | - | - |
| ACV0200L^ABX | 4GE-23Y | 116,320 | 101,060 | 87,160 | - | - | - | - | - | - |
| ACV0220L^ABX | 6JE-25Y | 121,980 | 105,980 | 90,780 | - | - | - | - | - | - |
| ACV0250L^ABX | 6HE-28Y | 145,700 | 126,840 | 109,290 | - | - | - | - | - | - |
| ACV0300L^ABX | 6GE-34Y | 164,930 | 143,710 | 124,270 | - | - | - | - | - | - |
| ACV0400L^ABX | 6FE-44Y | 209,620 | 182,470 | 157,650 | - | - | - | - | - | - |

| R-407C | | Capacity BTUH @ 95°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| **ACV0130L^ABX** | **4JE-15Y** | **81,190** | **70,040** | **59,720** | **-** | **-** | **-** | **-** | **-** | **-** |
| **ACV0150L^ABX** | **4HE-18Y** | **97,010** | **84,100** | **72,090** | **-** | **-** | **-** | **-** | **-** | **-** |
| **ACV0200L^ABX** | **4GE-23Y** | **111,210** | **96,420** | **82,980** | **-** | **-** | **-** | **-** | **-** | **-** |
| **ACV0220L^ABX** | **6JE-25Y** | **116,190** | **100,660** | **86,100** | **-** | **-** | **-** | **-** | **-** | **-** |
| **ACV0250L^ABX** | **6HE-28Y** | **138,950** | **120,800** | **103,930** | **-** | **-** | **-** | **-** | **-** | **-** |
| **ACV0300L^ABX** | **6GE-34Y** | **157,500** | **136,850** | **118,140** | **-** | **-** | **-** | **-** | **-** | **-** |
| **ACV0400L^ABX** | **6FE-44Y** | **200,580** | **174,410** | **150,250** | **-** | **-** | **-** | **-** | **-** | **-** |

| R-407C | | Capacity BTUH @ 100°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| ACV0130L^ABX | 4JE-15Y | 77,260 | 66,380 | 56,470 | - | - | - | - | - | - |
| ACV0150L^ABX | 4HE-18Y | 92,640 | 80,060 | 68,420 | - | - | - | - | - | - |
| ACV0200L^ABX | 4GE-23Y | 106,260 | 91,930 | 78,820 | - | - | - | - | - | - |
| ACV0220L^ABX | 6JE-25Y | 110,440 | 95,250 | 81,380 | - | - | - | - | - | - |
| ACV0250L^ABX | 6HE-28Y | 132,410 | 114,850 | 98,530 | - | - | - | - | - | - |
| ACV0300L^ABX | 6GE-34Y | 149,860 | 130,130 | 112,050 | - | - | - | - | - | - |
| ACV0400L^ABX | 6FE-44Y | 191,550 | 166,330 | 142,880 | - | - | - | - | - | - |

| R-407C | | Capacity BTUH @ 110°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| ACV0130L^ABX | 4JE-15Y | 69,450 | 59,290 | 50,060 | - | - | - | - | - | - |
| ACV0150L^ABX | 4HE-18Y | 83,780 | 72,040 | - | - | - | - | - | - | - |
| ACV0200L^ABX | 4GE-23Y | - | - | - | - | - | - | - | - | - |
| ACV0220L^ABX | 6JE-25Y | - | - | - | - | - | - | - | - | - |
| ACV0250L^ABX | 6HE-28Y | - | - | - | - | - | - | - | - | - |
| ACV0300L^ABX | 6GE-34Y | - | - | - | - | - | - | - | - | - |
| ACV0400L^ABX | 6FE-44Y | - | - | - | - | - | - | - | - | - |

**Notes:**

*HEAD FAN REQUIRED FOR ALL OPERATING CONDITIONS*

^ C =208-230/3/60, D = 460/3/60, E = 575/3/60

# UNIT SPECIFICATIONS

## Medium & Low Temperature - Bitzer Compressor Models

| Model | Compressor | Refrigerant Line Connections (OD) | | Rec. Capacity @90% full (lbs) | Condenser Fan Data | | Dimensions (In.) | | | Net Wt. |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Liquid | Suction | Standard | No. Fans | Dia. | Length | Width | Height | (lbs.) |
| ACV0130L^ABX | 4JE-15Y | 1-1/8 | 2-1/8 | 123 | 2 | 30" | 176.35 | 48.9 | 59.4 | 2,317 |
| ACV0150L^ABX | 4HE-18Y | 1-1/8 | 2-1/8 | 123 | 2 | 30" | 176.35 | 48.9 | 59.4 | 2,317 |
| ACV0200L^ABX | 4GE-23Y | 1-1/8 | 2-1/8 | 123 | 2 | 30" | 176.35 | 48.9 | 59.4 | 2,317 |
| ACV0220L^ABX | 6JE-25Y | 1-1/8 | 2-1/8 | 123 | 2 | 30" | 176.35 | 48.9 | 59.4 | 2,317 |
| ACV0250L^ABX | 6HE-28Y | 1-1/8 | 2-1/8 | 123 | 2 | 30" | 176.35 | 48.9 | 59.4 | 2,317 |
| ACV0300L^ABX | 6GE-34Y | 1-1/8 | 2-1/8 | 123 | 2 | 30" | 176.35 | 48.9 | 59.4 | 2,317 |
| ACV0400L^ABX | 6FE-44Y | 1-1/8 | 2-1/8 | 188 | 3 | 30" | 229.4 | 48.9 | 59.4 | 2,933 |
| ACV0150M^ABX | 4PES-15Y | 1-1/8 | 1-5/8 | 123 | 2 | 30" | 176.35 | 48.9 | 59.4 | 2,214 |
| ACV0200M^ABX | 4NES-20Y | 1-1/8 | 2-1/8 | 123 | 2 | 30" | 176.35 | 48.9 | 59.4 | 2,217 |
| ACV0220M^ABX | 4JE-22Y | 1-1/8 | 2-1/8 | 123 | 2 | 30" | 176.35 | 48.9 | 59.4 | 2,217 |
| ACV0250M^ABX | 4HE-25Y | 1-1/8 | 2-1/8 | 123 | 2 | 30" | 176.35 | 48.9 | 59.4 | 2,217 |
| ACV0300M^ABX | 4GE-30Y | 1-1/8 | 2-1/8 | 188 | 3 | 30" | 229.4 | 48.9 | 59.4 | 2,703 |
| ACV0330M^ABX | 6JE-33Y | 1-1/8 | 2-1/8 | 188 | 3 | 30" | 229.4 | 48.9 | 59.4 | 2,803 |
| ACV0350M^ABX | 6HE-35Y | 1-1/8 | 2-1/8 | 188 | 3 | 30" | 229.4 | 48.9 | 59.4 | 2,833 |
| ACV0400M^ABX | 6GE-40Y | 1-1/8 | 2-1/8 | 188 | 4 | 30" | 282.5 | 48.9 | 61.4 | 3,591 |
| ACV0500M^ABX | 6FE-50Y | 1-1/8 | 2-1/8 | 188 | 4 | 30" | 282.5 | 48.9 | 61.4 | 3,611 |

**Notes:**
^ C = 208-230/3/60, D = 460/3/60, E = 575/3/60

# ELECTRICAL DATA

## Low Temperature - Bitzer Compressor Models/208-230V

| Model | Compressor | Condensing Unit | | | | | | Remote Loads: Four Contactors | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Low Amps "4L" | | | | High Amps "4H" | | | |
| | | Compressor | | Condenser | | Air Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | |
| | | RLA (Each) | LRA (Each) | No. Fans | FLA (Total) | MCA | MOPD | | | MCA | MOPD | | | MCA | MOPD |
| ACV0130LCABX | 4JE-15Y | 55.3 | 352.0 | 2 | 13.2 | 82.4 | 125 | 22 | 48 | 104.4 | 150 | 22 | 64 | 104.4 | 150 |
| ACV0150LCABX | 4HE-18Y | 59.8 | 352.0 | 2 | 13.2 | 88.0 | 125 | 25 | 64 | 113.0 | 150 | 25 | 91 | 113.8 | 150 |
| ACV0200LCABX | 4GE-23Y | 63.8 | 352.0 | 2 | 13.2 | 92.9 | 150 | 25 | 96 | 120.0 | 175 | 25 | 105 | 131.3 | 175 |
| ACV0220LCABX | 6JE-25Y | 78.5 | 490.0 | 2 | 13.2 | 111.4 | 175 | 25 | 96 | 136.4 | 200 | 25 | 105 | 136.4 | 200 |
| ACV0250LCABX | 6HE-28Y | 85.8 | 490.0 | 2 | 13.2 | 120.4 | 200 | 25 | 96 | 145.4 | 225 | 25 | 108 | 145.4 | 225 |
| ACV0300LCABX | 6GE-34Y | 93.6 | 490.0 | 2 | 13.2 | 130.2 | 200 | 30 | 150 | 187.5 | 250 | 30 | 181 | 226.3 | 250 |
| ACV0400LCABX | 6FE-44Y | 107.8 | 700.0 | 3 | 19.8 | 154.5 | 250 | 30 | 150 | 187.5 | 250 | 30 | 181 | 226.3 | 250 |

| Model | Compressor | Condensing Unit | | | | | | Remote Loads: Three Contactors | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Low Amps "3L" | | | | High Amps "3H" | | | |
| | | Compressor | | Condenser | | Air Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | |
| | | RLA (Each) | LRA (Each) | No. Fans | FLA (Total) | MCA | MOPD | | | MCA | MOPD | | | MCA | MOPD |
| ACV0130LCABX | 4JE-15Y | 55.3 | 352.0 | 2 | 13.2 | 82.4 | 125 | 20 | 40 | 102.4 | 150 | 22 | 48 | 104.4 | 150 |
| ACV0150LCABX | 4HE-18Y | 59.8 | 352.0 | 2 | 13.2 | 88.0 | 125 | 22 | 70 | 110.0 | 150 | 25 | 64 | 113.0 | 150 |
| ACV0200LCABX | 4GE-23Y | 63.8 | 352.0 | 2 | 13.2 | 92.9 | 150 | 20 | 85 | 112.9 | 175 | 25 | 96 | 120.0 | 175 |
| ACV0220LCABX | 6JE-25Y | 78.5 | 490.0 | 2 | 13.2 | 111.4 | 175 | 20 | 85 | 131.4 | 200 | 25 | 96 | 136.4 | 200 |
| ACV0250LCABX | 6HE-28Y | 85.8 | 490.0 | 2 | 13.2 | 120.4 | 200 | 20 | 80 | 140.4 | 225 | 25 | 96 | 145.4 | 225 |
| ACV0300LCABX | 6GE-34Y | 93.6 | 490.0 | 2 | 13.2 | 130.2 | 200 | 20 | 96 | 150.2 | 225 | 25 | 96 | 155.2 | 225 |
| ACV0400LCABX | 6FE-44Y | 107.8 | 700.0 | 3 | 19.8 | 154.5 | 250 | 20 | 96 | 174.5 | 250 | 25 | 96 | 179.5 | 250 |

**Notes:**
MCA = Minimum Circuit Ampacity
MOP = Maximum Overcurrent Protection
Ratings shown at 60Hz.
intelliGen™ 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 condensing unit to allow termination on coils that have already defrosted to prevent unnecessary steaming. This option is not needed on intelliGen™ systems wired for a Master / Slave operation.

Mounted Electric Defrost Kits for condensing units include:
Defrost timer, Spring terminals, (1) evaporator fan contactor and:
One (1) defrost heater contactor for 1L and 1H codes
Two (2) defrost heater contactors for 2L and 2H codes
Four (4) defrost heater contactors for 4L and 4H codes
Power is supplied to each intelliGen™ evaporator.
Each coil terminates its own defrost. Refrigeration will not start until all coils have terminated defrost.
Contact factory for 575 volt electrical specification

# ELECTRICAL DATA

## Low Temperature - Bitzer Compressor Models/208-230V

| Model | Compressor | Condensing Unit | | | | | | Remote Loads: Two Contactors | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Low Amps "2L" | | | | High Amps "2H" | | | |
| | | Compressor | | Condenser | | Air Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | |
| | | RLA (Each) | LRA (Each) | No. Fans | FLA (Total) | MCA | MOPD | | | MCA | MOPD | | | MCA | MOPD |
| ACV0130LCABX | 4JE-15Y | 55.3 | 352.0 | 2 | 13.2 | 82.4 | 125 | 15 | 34 | 97.4 | 150 | 20 | 74 | 102.4 | 150 |
| ACV0150LCABX | 4HE-18Y | 59.8 | 352.0 | 2 | 13.2 | 88.0 | 125 | 20 | 80 | 108.0 | 150 | 20 | 91 | 113.8 | 150 |
| ACV0200LCABX | 4GE-23Y | 63.8 | 352.0 | 2 | 13.2 | 92.9 | 150 | 20 | 80 | 112.9 | 175 | 20 | 96 | 120.0 | 175 |
| ACV0220LCABX | 6JE-25Y | 78.5 | 490.0 | 2 | 13.2 | 111.4 | 175 | 20 | 80 | 131.4 | 200 | 20 | 96 | 131.4 | 200 |
| ACV0250LCABX | 6HE-28Y | 85.8 | 490.0 | 2 | 13.2 | 120.4 | 200 | 20 | 80 | 140.4 | 225 | 20 | 96 | 140.4 | 225 |
| ACV0300LCABX | 6GE-34Y | 93.6 | 490.0 | 2 | 13.2 | 130.2 | 200 | 20 | 80 | 150.2 | 225 | 20 | 96 | 150.2 | 225 |
| ACV0400LCABX | 6FE-44Y | 107.8 | 700.0 | 3 | 19.8 | 154.5 | 250 | 20 | 80 | 174.5 | 250 | 20 | 96 | 174.5 | 250 |

| Model | Compressor | Condensing Unit | | | | | | Remote Loads: One Contactor | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Low Amps "1L" | | | | High Amps "1H" | | | |
| | | Compressor | | Condenser | | Air Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | |
| | | RLA (Each) | LRA (Each) | No. Fans | FLA (Total) | MCA | MOPD | | | MCA | MOPD | | | MCA | MOPD |
| ACV0130LCABX | 4JE-15Y | 55.3 | 352.0 | 2 | 13.2 | 82.4 | 125 | 15 | 40 | 97.4 | 150 | 15 | 48 | 97.4 | 150 |
| ACV0150LCABX | 4HE-18Y | 59.8 | 352.0 | 2 | 13.2 | 88.0 | 125 | 15 | 40 | 103.0 | 150 | 15 | 48 | 103.0 | 150 |
| ACV0200LCABX | 4GE-23Y | 63.8 | 352.0 | 2 | 13.2 | 92.9 | 150 | 15 | 40 | 107.9 | 150 | 15 | 48 | 107.9 | 150 |
| ACV0220LCABX | 6JE-25Y | 78.5 | 490.0 | 2 | 13.2 | 111.4 | 175 | 15 | 40 | 126.4 | 200 | 15 | 48 | 126.4 | 200 |
| ACV0250LCABX | 6HE-28Y | 85.8 | 490.0 | 2 | 13.2 | 120.4 | 200 | - | - | - | - | - | - | - | - |
| ACV0300LCABX | 6GE-34Y | 93.6 | 490.0 | 2 | 13.2 | 130.2 | 200 | - | - | - | - | - | - | - | - |
| ACV0400LCABX | 6FE-44Y | 107.8 | 700.0 | 3 | 19.8 | 154.5 | 250 | - | - | - | - | - | - | - | - |

**Notes:**
MCA = Minimum Circuit Ampacity
MOP = Maximum Overcurrent Protection
Ratings shown at 60Hz.
intelliGen™ 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 condensing unit to allow termination on coils that have already defrosted to prevent unnecessary steaming. This option is not needed on intelliGen™ systems wired for a Master / Slave operation.

Mounted Electric Defrost Kits for condensing units include:
Defrost timer, Spring terminals, (1) evaporator fan contactor and:
One (1) defrost heater contactor for 1L and 1H codes
Two (2) defrost heater contactors for 2L and 2H codes
Four (4) defrost heater contactors for 4L and 4H codes
Power is supplied to each intelliGen™ evaporator.
Each coil terminates its own defrost. Refrigeration will not start until all coils have terminated defrost.
Contact factory for 575 volt electrical specification

# ELECTRICAL DATA

## Low Temperature - Bitzer Compressor Models/460V

| Model | Compressor | Condensing Unit | | | | | | Remote Loads: Four Contactors | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Low Amps "4L" | | | | High Amps "4H" | | | |
| | | Compressor | | Condenser | | Air Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | |
| | | RLA (Each) | LRA (Each) | No. Fans | FLA (Total) | MCA | MOPD | | | MCA | MOPD | | | MCA | MOPD |
| ACV0130LDABX | 4JE-15Y | 25.0 | 176.0 | 2 | 6.6 | 37.9 | 60 | - | - | - | - | - | - | - | - |
| ACV0150LDABX | 4HE-18Y | 27.1 | 176.0 | 2 | 6.6 | 40.4 | 60 | 15 | 48 | 60.0 | 80 | 15 | 48 | 60.0 | 80 |
| ACV0200LDABX | 4GE-23Y | 28.8 | 176.0 | 2 | 6.6 | 42.7 | 70 | 15 | 48 | 60.0 | 80 | 15 | 48 | 60.0 | 80 |
| ACV0220LDABX | 6JE-25Y | 35.5 | 245.0 | 2 | 6.6 | 51.0 | 80 | 15 | 48 | 66.0 | 100 | 15 | 48 | 66.0 | 100 |
| ACV0250LDABX | 6HE-28Y | 38.8 | 245.0 | 2 | 6.6 | 55.1 | 90 | 15 | 48 | 70.1 | 100 | 15 | 64 | 80.0 | 100 |
| ACV0300LDABX | 6GE-34Y | 42.3 | 245.0 | 2 | 6.6 | 59.5 | 100 | 20 | 64 | 80.0 | 100 | 20 | 91 | 113.8 | 125 |
| ACV0400LDABX | 6FE-44Y | 48.7 | 350.0 | 3 | 9.9 | 70.8 | 100 | 20 | 64 | 90.8 | 125 | 20 | 91 | 113.8 | 125 |

| Model | Compressor | Condensing Unit | | | | | | Remote Loads: Three Contactors | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Low Amps "3L" | | | | High Amps "3H" | | | |
| | | Compressor | | Condenser | | Air Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | |
| | | RLA (Each) | LRA (Each) | No. Fans | FLA (Total) | MCA | MOPD | | | MCA | MOPD | | | MCA | MOPD |
| ACV0130LDABX | 4JE-15Y | 25.0 | 176.0 | 2 | 6.6 | 37.9 | 60 | 15 | 22 | 52.9 | 70 | 20 | 22 | 57.9 | 80 |
| ACV0150LDABX | 4HE-18Y | 27.1 | 176.0 | 2 | 6.6 | 40.4 | 60 | 15 | 32 | 55.4 | 80 | 15 | 48 | 60.0 | 80 |
| ACV0200LDABX | 4GE-23Y | 28.8 | 176.0 | 2 | 6.6 | 42.7 | 70 | 15 | 48 | 60.0 | 80 | 15 | 48 | 60.0 | 80 |
| ACV0220LDABX | 6JE-25Y | 35.5 | 245.0 | 2 | 6.6 | 51.0 | 80 | 15 | 48 | 66.0 | 100 | 15 | 48 | 66.0 | 100 |
| ACV0250LDABX | 6HE-28Y | 38.8 | 245.0 | 2 | 6.6 | 55.1 | 90 | 15 | 48 | 70.1 | 100 | 15 | 64 | 80.0 | 100 |
| ACV0300LDABX | 6GE-34Y | 42.3 | 245.0 | 2 | 6.6 | 59.5 | 100 | 15 | 64 | 80.0 | 100 | 22 | 64 | 81.5 | 100 |
| ACV0400LDABX | 6FE-44Y | 48.7 | 350.0 | 3 | 9.9 | 70.8 | 100 | 15 | 64 | 85.8 | 125 | 22 | 64 | 92.8 | 125 |

**Notes:**
MCA = Minimum Circuit Ampacity
MOP = Maximum Overcurrent Protection
Ratings shown at 60Hz.
intelliGen™ 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 condensing unit to allow termination on coils that have already defrosted to prevent unnecessary steaming. This option is not needed on intelliGen™ systems wired for a Master / Slave operation.

Mounted Electric Defrost Kits for condensing units include:
Defrost timer, Spring terminals, (1) evaporator fan contactor and:
One (1) defrost heater contactor for 1L and 1H codes
Two (2) defrost heater contactors for 2L and 2H codes
Four (4) defrost heater contactors for 4L and 4H codes
Power is supplied to each intelliGen™ evaporator.
Each coil terminates its own defrost. Refrigeration will not start until all coils have terminated defrost.
Contact factory for 575 volt electrical specification

# ELECTRICAL DATA

## Low Temperature - Bitzer Compressor Models/460V

| Model | Compressor | Condensing Unit | | | | | | Remote Loads: Two Contactors | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Low Amps "2L" | | | | High Amps "2H" | | | |
| | | Compressor | | Condenser | | Air Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | |
| | | RLA (Each) | LRA (Each) | No. Fans | FLA (Total) | MCA | MOPD | | | MCA | MOPD | | | MCA | MOPD |
| ACV0130LDABX | 4JE-15Y | 25.0 | 176.0 | 2 | 6.6 | 37.9 | 60 | 10 | 19 | 47.9 | 70 | 15 | 38 | 52.9 | 70 |
| ACV0150LDABX | 4HE-18Y | 27.1 | 176.0 | 2 | 6.6 | 40.4 | 60 | 15 | 32 | 55.4 | 80 | 15 | 48 | 60.0 | 80 |
| ACV0200LDABX | 4GE-23Y | 28.8 | 176.0 | 2 | 6.6 | 42.7 | 70 | 15 | 48 | 60.0 | 80 | 15 | 64 | 80.0 | 80 |
| ACV0220LDABX | 6JE-25Y | 35.5 | 245.0 | 2 | 6.6 | 51.0 | 80 | 15 | 48 | 66.0 | 100 | 15 | 64 | 80.0 | 100 |
| ACV0250LDABX | 6HE-28Y | 38.8 | 245.0 | 2 | 6.6 | 55.1 | 90 | 15 | 48 | 70.1 | 100 | 15 | 64 | 80.0 | 100 |
| ACV0300LDABX | 6GE-34Y | 42.3 | 245.0 | 2 | 6.6 | 59.5 | 100 | 15 | 48 | 74.5 | 100 | 15 | 80 | 100.0 | 100 |
| ACV0400LDABX | 6FE-44Y | 48.7 | 350.0 | 3 | 9.9 | 70.8 | 100 | 15 | 48 | 85.8 | 125 | 15 | 80 | 100.0 | 125 |

| Model | Compressor | Condensing Unit | | | | | | Remote Loads: One Contactor | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Low Amps "1L" | | | | High Amps "1H" | | | |
| | | Compressor | | Condenser | | Air Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | |
| | | RLA (Each) | LRA (Each) | No. Fans | FLA (Total) | MCA | MOPD | | | MCA | MOPD | | | MCA | MOPD |
| ACV0130LDABX | 4JE-15Y | 25.0 | 176.0 | 2 | 6.6 | 37.9 | 60 | 10 | 19 | 47.9 | 70 | 10 | 24 | 47.9 | 70 |
| ACV0150LDABX | 4HE-18Y | 27.1 | 176.0 | 2 | 6.6 | 40.4 | 60 | 15 | 24 | 55.4 | 80 | 15 | 40 | 55.4 | 80 |
| ACV0200LDABX | 4GE-23Y | 28.8 | 176.0 | 2 | 6.6 | 42.7 | 70 | 15 | 40 | 57.7 | 80 | 15 | 48 | 60.0 | 80 |
| ACV0220LDABX | 6JE-25Y | 35.5 | 245.0 | 2 | 6.6 | 51.0 | 80 | 15 | 40 | 66.0 | 100 | 15 | 48 | 66.0 | 100 |
| ACV0250LDABX | 6HE-28Y | 38.8 | 245.0 | 2 | 6.6 | 55.1 | 90 | 15 | 40 | 70.1 | 100 | 15 | 48 | 70.1 | 100 |
| ACV0300LDABX | 6GE-34Y | 42.3 | 245.0 | 2 | 6.6 | 59.5 | 100 | 15 | 40 | 74.5 | 100 | 15 | 48 | 74.5 | 100 |
| ACV0400LDABX | 6FE-44Y | 48.7 | 350.0 | 3 | 9.9 | 70.8 | 100 | 15 | 40 | 85.8 | 125 | 15 | 48 | 85.8 | 125 |

**Notes:**
MCA = Minimum Circuit Ampacity
MOP = Maximum Overcurrent Protection
Ratings shown at 60Hz.
intelliGen™ 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 condensing unit to allow termination on coils that have already defrosted to prevent unnecessary steaming. This option is not needed on intelliGen™ systems wired for a Master / Slave operation.

Mounted Electric Defrost Kits for condensing units include:
Defrost timer, Spring terminals, (1) evaporator fan contactor and:
One (1) defrost heater contactor for 1L and 1H codes
Two (2) defrost heater contactors for 2L and 2H codes
Four (4) defrost heater contactors for 4L and 4H codes
Power is supplied to each intelliGen™ evaporator.
Each coil terminates its own defrost. Refrigeration will not start until all coils have terminated defrost.
Contact factory for 575 volt electrical specification

# ELECTRICAL DATA

## Medium Temperature - Bitzer Compressor Models/208-230V

| Model | Compressor | Condensing Unit | | | | | | Remote Loads: Four Contactors | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Low Amps "4L" | | | | High Amps "4H" | | | |
| | | Compressor | | Condenser | | Air Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | |
| | | RLA (Each) | LRA (Each) | No. Fans | FLA (Total) | MCA | MOPD | | | MCA | MOPD | | | MCA | MOPD |
| ACV0150MCABX | 4PES-15Y | 53.8 | 294.0 | 2 | 13.2 | 80.5 | 125 | 25 | 96 | 120.0 | 150 | 25 | 108 | 135.0 | 150 |
| ACV0200MCABX | 4NES-20Y | 63.8 | 352.0 | 2 | 13.2 | 92.9 | 150 | 25 | 96 | 120.0 | 175 | 25 | 108 | 135.0 | 175 |
| ACV0220MCABX | 4JE-22Y | 68.1 | 352.0 | 2 | 13.2 | 98.3 | 150 | 25 | 96 | 123.3 | 175 | 25 | 108 | 135.0 | 175 |
| ACV0250MCABX | 4HE-25Y | 83.7 | 436.0 | 2 | 13.2 | 117.8 | 200 | 25 | 125 | 156.3 | 225 | 30 | 181 | 226.3 | 250 |
| ACV0300MCABX | 4GE-30Y | 99.2 | 490.0 | 3 | 19.8 | 143.8 | 225 | 30 | 149 | 186.3 | 250 | 30 | 181 | 226.3 | 250 |
| ACV0330MCABX | 6JE-33Y | 110.6 | 550.0 | 3 | 19.8 | 158.0 | 250 | 30 | 149 | 188.0 | 250 | 30 | 181 | 226.3 | 250 |
| ACV0350MCABX | 6HE-35Y | 116.2 | 550.0 | 3 | 19.8 | 165.1 | 250 | 35 | 160 | 200.1 | 300 | 35 | 192 | 240.0 | 300 |
| ACV0400MCABX | 6GE-40Y | 156.0 | 700.0 | 4 | 26.4 | 221.4 | 350 | 35 | 160 | 256.4 | 400 | 35 | 192 | 256.4 | 400 |
| ACV0500MCABX | 6FE-50Y | 158.8 | 950.0 | 4 | 26.4 | 224.9 | 350 | 35 | 160 | 259.9 | 400 | 35 | 192 | 259.9 | 400 |

| Model | Compressor | Condensing Unit | | | | | | Remote Loads: Three Contactors | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Low Amps "3L" | | | | High Amps "3H" | | | |
| | | Compressor | | Condenser | | Air Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | |
| | | RLA (Each) | LRA (Each) | No. Fans | FLA (Total) | MCA | MOPD | | | MCA | MOPD | | | MCA | MOPD |
| ACV0150MCABX | 4PES-15Y | 53.8 | 294.0 | 2 | 13.2 | 80.5 | 125 | 25 | 96 | 120.0 | 150 | 25 | 96 | 120.0 | 150 |
| ACV0200MCABX | 4NES-20Y | 63.8 | 352.0 | 2 | 13.2 | 92.9 | 150 | 25 | 96 | 120.0 | 175 | 25 | 96 | 120.0 | 175 |
| ACV0220MCABX | 4JE-22Y | 68.1 | 352.0 | 2 | 13.2 | 98.3 | 150 | 22 | 96 | 120.3 | 175 | 25 | 96 | 123.3 | 175 |
| ACV0250MCABX | 4HE-25Y | 83.7 | 436.0 | 2 | 13.2 | 117.8 | 200 | 20 | 96 | 137.8 | 200 | 25 | 120 | 150.0 | 225 |
| ACV0300MCABX | 4GE-30Y | 99.2 | 490.0 | 3 | 19.8 | 143.8 | 225 | 25 | 125 | 168.8 | 250 | 20 | 125 | 163.8 | 250 |
| ACV0330MCABX | 6JE-33Y | 110.6 | 550.0 | 3 | 19.8 | 158.0 | 250 | 25 | 125 | 183.0 | 250 | 20 | 125 | 178.0 | 250 |
| ACV0350MCABX | 6HE-35Y | 116.2 | 550.0 | 3 | 19.8 | 165.1 | 250 | 30 | 150 | 195.1 | 300 | 35 | 150 | 200.1 | 300 |
| ACV0400MCABX | 6GE-40Y | 156.0 | 700.0 | 4 | 26.4 | 221.4 | 350 | 30 | 150 | 251.4 | 400 | 30 | 150 | 251.4 | 400 |
| ACV0500MCABX | 6FE-50Y | 158.8 | 950.0 | 4 | 26.4 | 224.9 | 350 | 30 | 150 | 254.9 | 400 | 30 | 150 | 254.9 | 400 |

**Notes:**
MCA = Minimum Circuit Ampacity
MOP = Maximum Overcurrent Protection
Ratings shown at 60Hz.
intelliGen™ 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 condensing unit to allow termination on coils that have already defrosted to prevent unnecessary steaming. This option is not needed on intelliGen™ systems wired for a Master / Slave operation.

Mounted Electric Defrost Kits for condensing units include:
Defrost timer, Spring terminals, (1) evaporator fan contactor and:
One (1) defrost heater contactor for 1L and 1H codes
Two (2) defrost heater contactors for 2L and 2H codes
Four (4) defrost heater contactors for 4L and 4H codes
Power is supplied to each intelliGen™ evaporator.
Each coil terminates its own defrost. Refrigeration will not start until all coils have terminated defrost.
Contact factory for 575 volt electrical specification

# ELECTRICAL DATA

## Medium Temperature - Bitzer Compressor Models/208-230V

| Model | Compressor | Condensing Unit | | | | | | Remote Loads: Two Contactors | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Low Amps "2L" | | | | High Amps "2H" | | | |
| | | Compressor | | Condenser | | Air Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | |
| | | RLA (Each) | LRA (Each) | No. Fans | FLA (Total) | MCA | MOPD | | | MCA | MOPD | | | MCA | MOPD |
| ACV0150MCABX | 4PES-15Y | 53.8 | 294.0 | 2 | 13.2 | 80.5 | 125 | 25 | 80 | 105.5 | 150 | 25 | 96 | 120.0 | 150 |
| ACV0200MCABX | 4NES-20Y | 63.8 | 352.0 | 2 | 13.2 | 92.9 | 150 | 25 | 80 | 117.9 | 175 | 25 | 96 | 120.0 | 175 |
| ACV0220MCABX | 4JE-22Y | 68.1 | 352.0 | 2 | 13.2 | 98.3 | 150 | 20 | 80 | 118.3 | 175 | 20 | 96 | 120.0 | 175 |
| ACV0250MCABX | 4HE-25Y | 83.7 | 436.0 | 2 | 13.2 | 117.8 | 200 | - | - | - | - | - | - | - | - |
| ACV0300MCABX | 4GE-30Y | 99.2 | 490.0 | 3 | 19.8 | 143.8 | 225 | - | - | - | - | - | - | - | - |
| ACV0330MCABX | 6JE-33Y | 110.6 | 550.0 | 3 | 19.8 | 158.0 | 250 | - | - | - | - | - | - | - | - |
| ACV0350MCABX | 6HE-35Y | 116.2 | 550.0 | 3 | 19.8 | 165.1 | 250 | - | - | - | - | - | - | - | - |
| ACV0400MCABX | 6GE-40Y | 156.0 | 700.0 | 4 | 26.4 | 221.4 | 350 | - | - | - | - | - | - | - | - |
| ACV0500MCABX | 6FE-50Y | 158.8 | 950.0 | 4 | 26.4 | 224.9 | 350 | - | - | - | - | - | - | - | - |

| Model | Compressor | Condensing Unit | | | | | | Remote Loads: One Contactors | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Low Amps "1L" | | | | High Amps "1H" | | | |
| | | Compressor | | Condenser | | Air Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | |
| | | RLA (Each) | LRA (Each) | No. Fans | FLA (Total) | MCA | MOPD | | | MCA | MOPD | | | MCA | MOPD |
| ACV0150MCABX | 4PES-15Y | 53.8 | 294.0 | 2 | 13.2 | 80.5 | 125 | - | - | - | - | - | - | - | - |
| ACV0200MCABX | 4NES-20Y | 63.8 | 352.0 | 2 | 13.2 | 92.9 | 150 | - | - | - | - | - | - | - | - |
| ACV0220MCABX | 4JE-22Y | 68.1 | 352.0 | 2 | 13.2 | 98.3 | 150 | - | - | - | - | - | - | - | - |
| ACV0250MCABX | 4HE-25Y | 83.7 | 436.0 | 2 | 13.2 | 117.8 | 200 | - | - | - | - | - | - | - | - |
| ACV0300MCABX | 4GE-30Y | 99.2 | 490.0 | 3 | 19.8 | 143.8 | 225 | - | - | - | - | - | - | - | - |
| ACV0330MCABX | 6JE-33Y | 110.6 | 550.0 | 3 | 19.8 | 158.0 | 250 | - | - | - | - | - | - | - | - |
| ACV0350MCABX | 6HE-35Y | 116.2 | 550.0 | 3 | 19.8 | 165.1 | 250 | - | - | - | - | - | - | - | - |
| ACV0400MCABX | 6GE-40Y | 156.0 | 700.0 | 4 | 26.4 | 221.4 | 350 | - | - | - | - | - | - | - | - |
| ACV0500MCABX | 6FE-50Y | 158.8 | 950.0 | 4 | 26.4 | 224.9 | 350 | - | - | - | - | - | - | - | - |

**Notes:**
MCA = Minimum Circuit Ampacity
MOP = Maximum Overcurrent Protection
Ratings shown at 60Hz.
intelliGen™ 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 condensing unit to allow termination on coils that have already defrosted to prevent unnecessary steaming. This option is not needed on intelliGen™ systems wired for a Master / Slave operation.

Mounted Electric Defrost Kits for condensing units include:
Defrost timer, Spring terminals, (1) evaporator fan contactor and:
One (1) defrost heater contactor for 1L and 1H codes
Two (2) defrost heater contactors for 2L and 2H codes
Four (4) defrost heater contactors for 4L and 4H codes
Power is supplied to each intelliGen™ evaporator.
Each coil terminates its own defrost. Refrigeration will not start until all coils have terminated defrost.
Contact factory for 575 volt electrical specification

# ELECTRICAL DATA

## Medium Temperature - Bitzer Compressor Models/460V

| Model | Compressor | Condensing Unit | | | | | | Remote Loads: Four Contactors | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Low Amps "4L" | | | | High Amps "4H" | | | |
| | | Compressor | | Condenser | | Air Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | |
| | | RLA (Each) | LRA (Each) | No. Fans | FLA (Total) | MCA | MOPD | | | MCA | MOPD | | | MCA | MOPD |
| ACV0150MDABX | 4PES-15Y | 24.4 | 147.0 | 2 | 6.6 | 37.0 | 60 | 15 | 48 | 60.0 | 70 | 15 | 64 | 80.0 | 80 |
| ACV0200MDABX | 4NES-20Y | 28.8 | 176.0 | 2 | 6.6 | 42.7 | 70 | 15 | 48 | 60.0 | 80 | 15 | 64 | 80.0 | 80 |
| ACV0220MDABX | 4JE-22Y | 30.8 | 176.0 | 2 | 6.6 | 45.1 | 70 | 15 | 48 | 60.1 | 90 | 15 | 64 | 80.0 | 90 |
| ACV0250MDABX | 4HE-25Y | 37.8 | 218.0 | 2 | 6.6 | 53.9 | 90 | 20 | 64 | 80.0 | 100 | 20 | 96 | 120.0 | 125 |
| ACV0300MDABX | 4GE-30Y | 44.9 | 245.0 | 3 | 9.9 | 66.0 | 100 | 20 | 64 | 86.0 | 125 | 20 | 96 | 120.0 | 125 |
| ACV0330MDABX | 6JE-33Y | 50.0 | 275.0 | 3 | 9.9 | 72.4 | 100 | 20 | 64 | 92.4 | 125 | 20 | 96 | 120.0 | 125 |
| ACV0350MDABX | 6HE-35Y | 52.6 | 275.0 | 3 | 9.9 | 75.6 | 125 | 20 | 64 | 95.6 | 125 | 20 | 96 | 120.0 | 125 |
| ACV0400MDABX | 6GE-40Y | 70.5 | 350.0 | 4 | 13.2 | 101.3 | 150 | 20 | 64 | 121.3 | 175 | 20 | 96 | 121.3 | 175 |
| ACV0500MDABX | 6FE-50Y | 71.8 | 425.0 | 4 | 13.2 | 102.9 | 150 | 20 | 64 | 122.9 | 175 | 20 | 96 | 122.9 | 175 |

| Model | Compressor | Condensing Unit | | | | | | Remote Loads: Three Contactors | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Low Amps "3L" | | | | High Amps "3H" | | | |
| | | Compressor | | Condenser | | Air Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | |
| | | RLA (Each) | LRA (Each) | No. Fans | FLA (Total) | MCA | MOPD | | | MCA | MOPD | | | MCA | MOPD |
| ACV0150MDABX | 4PES-15Y | 24.4 | 147.0 | 2 | 6.6 | 37.0 | 60 | 15 | 48 | 60.0 | 70 | 15 | 64 | 80.0 | 80 |
| ACV0200MDABX | 4NES-20Y | 28.8 | 176.0 | 2 | 6.6 | 42.7 | 70 | 15 | 48 | 60.0 | 80 | 15 | 64 | 80.0 | 80 |
| ACV0220MDABX | 4JE-22Y | 30.8 | 176.0 | 2 | 6.6 | 45.1 | 70 | 15 | 64 | 80.0 | 90 | 15 | 64 | 80.0 | 90 |
| ACV0250MDABX | 4HE-25Y | 37.8 | 218.0 | 2 | 6.6 | 53.9 | 90 | 15 | 64 | 80.0 | 100 | 20 | 64 | 80.0 | 100 |
| ACV0300MDABX | 4GE-30Y | 44.9 | 245.0 | 3 | 9.9 | 66.0 | 100 | 20 | 64 | 86.0 | 125 | 20 | 64 | 86.0 | 125 |
| ACV0330MDABX | 6JE-33Y | 50.0 | 275.0 | 3 | 9.9 | 72.4 | 100 | 20 | 64 | 92.4 | 125 | 20 | 64 | 92.4 | 125 |
| ACV0350MDABX | 6HE-35Y | 52.6 | 275.0 | 3 | 9.9 | 75.6 | 125 | 20 | 64 | 95.6 | 125 | 20 | 96 | 120.0 | 125 |
| ACV0400MDABX | 6GE-40Y | 70.5 | 350.0 | 4 | 13.2 | 101.3 | 150 | 20 | 64 | 121.3 | 175 | 22 | 64 | 123.3 | 175 |
| ACV0500MDABX | 6FE-50Y | 71.8 | 425.0 | 4 | 13.2 | 102.9 | 150 | 20 | 64 | 122.9 | 175 | 22 | 64 | 124.9 | 175 |

**Notes:**
MCA = Minimum Circuit Ampacity
MOP = Maximum Overcurrent Protection
Ratings shown at 60Hz.
intelliGen™ 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 condensing unit to allow termination on coils that have already defrosted to prevent unnecessary steaming. This option is not needed on intelliGen™ systems wired for a Master / Slave operation.

Mounted Electric Defrost Kits for condensing units include:
Defrost timer, Spring terminals, (1) evaporator fan contactor and:
One (1) defrost heater contactor for 1L and 1H codes
Two (2) defrost heater contactors for 2L and 2H codes
Four (4) defrost heater contactors for 4L and 4H codes
Power is supplied to each intelliGen™ evaporator.
Each coil terminates its own defrost. Refrigeration will not start until all coils have terminated defrost.
Contact factory for 575 volt electrical specification

# ELECTRICAL DATA

## Medium Temperature - Bitzer Compressor Models/460V

| Model | Compressor | Condensing Unit | | | | | | Remote Loads: Two Contactors | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Low Amps "2L" | | | | High Amps "2H" | | | |
| | | Compressor | | Condenser | | Air Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | |
| | | RLA (Each) | LRA (Each) | No. Fans | FLA (Total) | MCA | MOPD | | | MCA | MOPD | | | MCA | MOPD |
| ACV0150MDABX | 4PES-15Y | 24.4 | 147.0 | 2 | 6.6 | 37.0 | 60 | 15 | 48 | 60.0 | 70 | 15 | 64 | 80.0 | 80 |
| ACV0200MDABX | 4NES-20Y | 28.8 | 176.0 | 2 | 6.6 | 42.7 | 70 | 15 | 48 | 60.0 | 80 | 15 | 64 | 80.0 | 80 |
| ACV0220MDABX | 4JE-22Y | 30.8 | 176.0 | 2 | 6.6 | 45.1 | 70 | 15 | 48 | 60.1 | 90 | 15 | 64 | 80.0 | 90 |
| ACV0250MDABX | 4HE-25Y | 37.8 | 218.0 | 2 | 6.6 | 53.9 | 90 | 15 | 48 | 68.9 | 100 | 15 | 80 | 100.0 | 100 |
| ACV0300MDABX | 4GE-30Y | 44.9 | 245.0 | 3 | 9.9 | 66.0 | 100 | 15 | 80 | 100.0 | 125 | 20 | 96 | 120.0 | 125 |
| ACV0330MDABX | 6JE-33Y | 50.0 | 275.0 | 3 | 9.9 | 72.4 | 100 | 15 | 80 | 100.0 | 125 | 20 | 96 | 120.0 | 125 |
| ACV0350MDABX | 6HE-35Y | 52.6 | 275.0 | 3 | 9.9 | 75.6 | 125 | 20 | 80 | 100.0 | 125 | 20 | 96 | 120.0 | 125 |
| ACV0400MDABX | 6GE-40Y | 70.5 | 350.0 | 4 | 13.2 | 101.3 | 150 | 20 | 80 | 121.3 | 175 | 20 | 96 | 121.3 | 175 |
| ACV0500MDABX | 6FE-50Y | 71.8 | 425.0 | 4 | 13.2 | 102.9 | 150 | 20 | 80 | 122.9 | 175 | 20 | 96 | 122.9 | 175 |

| Model | Compressor | Condensing Unit | | | | | | Remote Loads: One Contactor | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Low Amps "1L" | | | | High Amps "1H" | | | |
| | | Compressor | | Condenser | | Air Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | |
| | | RLA (Each) | LRA (Each) | No. Fans | FLA (Total) | MCA | MOPD | | | MCA | MOPD | | | MCA | MOPD |
| ACV0150MDABX | 4PES-15Y | 24.4 | 147.0 | 2 | 6.6 | 37.0 | 60 | 15 | 40 | 52.0 | 70 | 15 | 48 | 60.0 | 70 |
| ACV0200MDABX | 4NES-20Y | 28.8 | 176.0 | 2 | 6.6 | 42.7 | 70 | 15 | 40 | 57.7 | 80 | 15 | 48 | 60.0 | 80 |
| ACV0220MDABX | 4JE-22Y | 30.8 | 176.0 | 2 | 6.6 | 45.1 | 70 | 15 | 40 | 60.1 | 90 | 15 | 48 | 60.1 | 90 |
| ACV0250MDABX | 4HE-25Y | 37.8 | 218.0 | 2 | 6.6 | 53.9 | 90 | - | - | - | - | - | - | - | - |
| ACV0300MDABX | 4GE-30Y | 44.9 | 245.0 | 3 | 9.9 | 66.0 | 100 | - | - | - | - | - | - | - | - |
| ACV0330MDABX | 6JE-33Y | 50.0 | 275.0 | 3 | 9.9 | 72.4 | 100 | - | - | - | - | - | - | - | - |
| ACV0350MDABX | 6HE-35Y | 52.6 | 275.0 | 3 | 9.9 | 75.6 | 125 | - | - | - | - | - | - | - | - |
| ACV0400MDABX | 6GE-40Y | 70.5 | 350.0 | 4 | 13.2 | 101.3 | 150 | - | - | - | - | - | - | - | - |
| ACV0500MDABX | 6FE-50Y | 71.8 | 425.0 | 4 | 13.2 | 102.9 | 150 | - | - | - | - | - | - | - | - |

**Notes:**
MCA = Minimum Circuit Ampacity
MOP = Maximum Overcurrent Protection
Ratings shown at 60Hz.
intelliGen™ 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 condensing unit to allow termination on coils that have already defrosted to prevent unnecessary steaming. This option is not needed on intelliGen™ systems wired for a Master / Slave operation.

Mounted Electric Defrost Kits for condensing units include:
Defrost timer, Spring terminals, (1) evaporator fan contactor and:
One (1) defrost heater contactor for 1L and 1H codes
Two (2) defrost heater contactors for 2L and 2H codes
Four (4) defrost heater contactors for 4L and 4H codes
Power is supplied to each intelliGen™ evaporator.
Each coil terminates its own defrost. Refrigeration will not start until all coils have terminated defrost.
Contact factory for 575 volt electrical specification

# PERFORMANCE DATA – R-404A/R-507A

## Medium Temperature - Frascold Compressor Models

| R-404A/R-507A | | Capacity BTUH @ 90°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 40°F | 35°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F | -10°F |
| ACV0150M^AFX | S15-52Y-2NU | 197,040 | 181,820 | 167,410 | 153,450 | 140,040 | 127,250 | 115,110 | 93,040 | 73,750 |
| ACV0200M^AFX | S20-56Y-2NU | 211,710 | 196,170 | 180,630 | 166,050 | 151,920 | 138,450 | 125,580 | 101,790 | 80,880 |
| ACV0220M^AFX | V20-59Y-2NU | 218,000 | 201,120 | 184,280 | 167,960 | 152,630 | 138,170 | 124,050 | 98,380 | 76,430 |
| ACV0250M^AFX | V25-71Y-2NU | 252,500 | 234,680 | 215,860 | 197,620 | 179,830 | 162,820 | 146,800 | 117,270 | 91,610 |
| ACV0300M^AFX | V30-84Y-2NU | 319,030 | 294,340 | 269,720 | 246,490 | 223,970 | 202,830 | 182,470 | 145,590 | 113,770 |
| ACV0330M^AFX | V35-103Y-2NU | 358,320 | 333,240 | 308,380 | 283,370 | 259,720 | 236,690 | 214,930 | 173,860 | 137,380 |
| ACV0350M^AFX | Z35-106Y-2NU | 389,750 | 361,850 | 332,170 | 304,230 | 277,510 | 251,780 | 227,390 | 181,960 | 142,970 |
| ACV0400M^AFX | Z40-126Y-2NU | 466,580 | 431,200 | 396,430 | 361,810 | 329,270 | 298,570 | 268,340 | 213,400 | 166,380 |
| ACV0500M^AFX | Z50-154Y-2NU | 544,070 | 505,500 | 468,360 | 430,290 | 392,420 | 356,790 | 322,180 | 258,230 | 201,600 |

| R-404A/R-507A | | Capacity BTUH @ 95°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 40°F | 35°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F | -10°F |
| **ACV0150M^AFX** | **S15-52Y-2NU** | **187,900** | **173,520** | **159,900** | **146,670** | **134,120** | **121,830** | **110,300** | **89,040** | **70,340** |
| **ACV0200M^AFX** | **S20-56Y-2NU** | **201,700** | **187,120** | **172,790** | **158,650** | **145,290** | **132,380** | **120,170** | **97,330** | **77,170** |
| **ACV0220M^AFX** | **V20-59Y-2NU** | **206,340** | **190,370** | **175,050** | **159,570** | **144,990** | **131,200** | **117,840** | **93,330** | **72,210** |
| **ACV0250M^AFX** | **V25-71Y-2NU** | **-** | **222,580** | **204,910** | **187,770** | **170,540** | **154,680** | **139,620** | **111,220** | **86,700** |
| **ACV0300M^AFX** | **V30-84Y-2NU** | **303,590** | **280,260** | **256,940** | **234,630** | **213,430** | **193,240** | **173,900** | **138,510** | **108,010** |
| **ACV0330M^AFX** | **V35-103Y-2NU** | **-** | **-** | **294,060** | **270,560** | **248,380** | **226,180** | **205,330** | **165,750** | **130,620** |
| **ACV0350M^AFX** | **Z35-106Y-2NU** | **-** | **342,630** | **315,950** | **289,030** | **263,760** | **239,400** | **216,200** | **172,990** | **135,880** |
| **ACV0400M^AFX** | **Z40-126Y-2NU** | **442,600** | **409,380** | **376,310** | **343,720** | **312,920** | **283,630** | **254,740** | **202,950** | **157,980** |
| **ACV0500M^AFX** | **Z50-154Y-2NU** | **-** | **-** | **444,670** | **408,760** | **372,950** | **339,080** | **306,380** | **245,090** | **191,320** |

| R-404A/R-507A | | Capacity BTUH @ 100°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 40°F | 35°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F | -10°F |
| ACV0150M^AFX | S15-52Y-2NU | - | - | 152,280 | 139,830 | 127,850 | 116,150 | 105,200 | 84,950 | 66,930 |
| ACV0200M^AFX | S20-56Y-2NU | - | - | - | 151,170 | 138,540 | 126,460 | 114,570 | 92,840 | 73,440 |
| ACV0220M^AFX | V20-59Y-2NU | - | - | 165,740 | 151,110 | 137,320 | 124,190 | 111,490 | 88,160 | 67,990 |
| ACV0250M^AFX | V25-71Y-2NU | - | - | - | - | 161,530 | 146,530 | 132,210 | 105,200 | 81,840 |
| ACV0300M^AFX | V30-84Y-2NU | - | - | 244,430 | 222,980 | 203,120 | 183,370 | 165,070 | 131,470 | 102,340 |
| ACV0330M^AFX | V35-103Y-2NU | - | - | - | - | 236,380 | 215,790 | 195,870 | 157,950 | 124,030 |
| ACV0350M^AFX | Z35-106Y-2NU | - | - | - | 273,760 | 250,010 | 227,040 | 205,040 | 164,100 | 128,890 |
| ACV0400M^AFX | Z40-126Y-2NU | - | - | 356,180 | 325,490 | 296,410 | 268,760 | 241,650 | 192,320 | 149,630 |
| ACV0500M^AFX | Z50-154Y-2NU | - | - | - | - | 353,130 | 321,400 | 290,890 | 232,290 | 181,090 |

**Notes:**
^ C =208-230/3/60, D = 460/3/60, E = 575/3/60

# PERFORMANCE DATA – R-404A/R-507A

Medium Temperature - Frascold Compressor Models

| R-404A/R-507A | | Capacity BTUH @ 110°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 40°F | 35°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F | -10°F |
| ACV0150M^AFX | S15-52Y-2NU | - | - | - | - | - | - | - | 76,670 | 60,060 |
| ACV0200M^AFX | S20-56Y-2NU | - | - | - | - | - | - | - | 83,880 | 65,960 |
| ACV0220M^AFX | V20-59Y-2NU | - | - | - | - | - | - | - | 77,860 | 59,650 |
| ACV0250M^AFX | V25-71Y-2NU | - | - | - | - | - | - | - | 93,430 | 72,260 |
| ACV0300M^AFX | V30-84Y-2NU | - | - | - | - | - | - | - | 117,590 | 91,240 |
| ACV0330M^AFX | V35-103Y-2NU | - | - | - | - | - | - | - | - | 111,580 |
| ACV0350M^AFX | Z35-106Y-2NU | - | - | - | - | - | - | - | 146,760 | 115,250 |
| ACV0400M^AFX | Z40-126Y-2NU | - | - | - | - | - | - | - | 171,200 | 133,180 |
| ACV0500M^AFX | Z50-154Y-2NU | - | - | - | - | - | - | - | - | 160,880 |

**Notes:**
^ C =208-230/3/60, D = 460/3/60, E = 575/3/60

# PERFORMANCE DATA – R-448A/R-449A

## Medium Temperature - Frascold Compressor Models

| R-448A/R-449A | | Capacity BTUH @ 90°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 40°F | 35°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F | -10°F |
| ACV0150M^AFX | S15-52Y-2NU | 193,130 | 174,920 | 157,550 | 141,380 | 125,970 | 111,890 | 98,690 | 76,000 | 57,260 |
| ACV0200M^AFX | S20-56Y-2NU | 213,180 | 193,430 | 174,950 | 157,450 | 141,030 | 125,870 | 111,710 | 86,820 | 66,240 |
| ACV0220M^AFX | V20-59Y-2NU | 218,550 | 199,100 | 180,390 | 162,640 | 146,090 | 130,440 | 115,880 | 90,190 | 68,730 |
| ACV0250M^AFX | V25-71Y-2NU | 262,320 | 239,350 | 217,770 | 197,120 | 177,540 | 159,200 | 142,110 | 111,350 | 85,700 |
| ACV0300M^AFX | V30-84Y-2NU | 318,460 | 290,780 | 264,150 | 238,840 | 215,100 | 192,530 | 171,840 | 134,910 | 103,900 |
| ACV0330M^AFX | V35-103Y-2NU | 375,330 | 343,600 | 313,850 | 285,330 | 258,190 | 232,920 | 208,840 | 165,740 | 129,130 |
| ACV0350M^AFX | Z35-106Y-2NU | 391,070 | 356,960 | 324,560 | 293,600 | 264,250 | 236,650 | 211,040 | 165,150 | 126,750 |
| ACV0400M^AFX | Z40-126Y-2NU | 458,420 | 419,460 | 381,800 | 345,910 | 312,180 | 280,220 | 250,350 | 197,270 | 152,660 |
| ACV0500M^AFX | Z50-154Y-2NU | 555,900 | 511,040 | 466,690 | 424,760 | 384,800 | 346,970 | 311,460 | 246,840 | 191,200 |

| R-448A/R-449A | | Capacity BTUH @ 95°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 40°F | 35°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F | -10°F |
| **ACV0150M^AFX** | **S15-52Y-2NU** | **185,080** | **167,570** | **150,840** | **135,250** | **120,410** | **106,740** | **94,220** | **72,260** | **54,200** |
| **ACV0200M^AFX** | **S20-56Y-2NU** | **204,530** | **185,560** | **167,790** | **150,940** | **135,290** | **120,490** | **106,780** | **82,870** | **63,030** |
| **ACV0220M^AFX** | **V20-59Y-2NU** | **209,880** | **191,180** | **173,160** | **156,050** | **140,000** | **124,890** | **110,940** | **86,050** | **65,310** |
| **ACV0250M^AFX** | **V25-71Y-2NU** | **251,670** | **230,100** | **208,940** | **189,100** | **170,270** | **152,800** | **136,140** | **106,460** | **81,690** |
| **ACV0300M^AFX** | **V30-84Y-2NU** | **305,630** | **279,080** | **253,530** | **229,220** | **206,400** | **184,740** | **164,750** | **129,190** | **99,300** |
| **ACV0330M^AFX** | **V35-103Y-2NU** | **359,900** | **330,280** | **301,240** | **273,950** | **247,950** | **223,740** | **200,580** | **159,100** | **123,820** |
| **ACV0350M^AFX** | **Z35-106Y-2NU** | **375,700** | **342,910** | **311,820** | **282,040** | **253,640** | **227,340** | **202,440** | **158,100** | **120,980** |
| **ACV0400M^AFX** | **Z40-126Y-2NU** | **439,970** | **402,680** | **366,580** | **332,130** | **299,670** | **268,940** | **240,310** | **189,070** | **146,040** |
| **ACV0500M^AFX** | **Z50-154Y-2NU** | **532,020** | **489,260** | **446,910** | **407,080** | **368,870** | **332,650** | **298,590** | **236,290** | **183,010** |

| R-448A/R-449A | | Capacity BTUH @ 100°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 40°F | 35°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F | -10°F |
| ACV0150M^AFX | S15-52Y-2NU | 177,050 | 160,210 | 144,150 | 129,140 | 114,810 | 101,710 | 89,700 | 68,570 | 51,210 |
| ACV0200M^AFX | S20-56Y-2NU | 195,940 | 177,680 | 160,620 | 144,440 | 129,370 | 114,990 | 101,920 | 78,880 | 59,830 |
| ACV0220M^AFX | V20-59Y-2NU | 201,580 | 183,250 | 165,940 | 149,380 | 133,990 | 119,290 | 105,840 | 81,940 | 61,900 |
| ACV0250M^AFX | V25-71Y-2NU | 241,010 | 220,370 | 200,100 | 181,080 | 162,970 | 146,070 | 130,040 | 101,550 | 77,680 |
| ACV0300M^AFX | V30-84Y-2NU | 292,660 | 267,310 | 242,840 | 219,510 | 197,600 | 176,980 | 157,570 | 123,450 | 94,690 |
| ACV0330M^AFX | V35-103Y-2NU | 344,560 | 316,320 | 288,570 | 262,510 | 237,670 | 214,450 | 192,260 | 152,340 | 118,420 |
| ACV0350M^AFX | Z35-106Y-2NU | 360,260 | 328,810 | 299,000 | 270,240 | 243,120 | 217,800 | 193,640 | 151,010 | 115,190 |
| ACV0400M^AFX | Z40-126Y-2NU | 421,430 | 385,710 | 351,220 | 318,220 | 287,140 | 257,650 | 230,230 | 180,790 | 139,290 |
| ACV0500M^AFX | Z50-154Y-2NU | 508,360 | 467,700 | 427,300 | 389,310 | 352,830 | 318,200 | 285,540 | 225,750 | 174,510 |

**Notes:**

*HEAD FAN REQUIRED FOR ALL OPERATING CONDITIONS*

Liquid Injection Required

^ C =208-230/3/60, D = 460/3/60, E = 575/3/60

# PERFORMANCE DATA – R-448A/R-449A

## Medium Temperature - Frascold Compressor Models

| R-448A/R-449A | | Capacity BTUH @ 110°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 40°F | 35°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F | -10°F |
| ACV0150M^AFX | S15-52Y-2NU | - | 145,650 | 130,900 | 117,050 | 103,830 | 91,740 | 80,720 | 61,280 | 45,280 |
| ACV0200M^AFX | S20-56Y-2NU | - | - | 146,390 | 131,510 | 117,600 | 104,460 | 92,240 | 71,060 | 53,430 |
| ACV0220M^AFX | V20-59Y-2NU | - | - | 151,410 | 136,240 | 121,990 | 108,530 | 95,890 | 73,730 | 55,110 |
| ACV0250M^AFX | V25-71Y-2NU | - | - | - | - | 148,260 | 132,820 | 117,930 | 91,710 | 69,680 |
| ACV0300M^AFX | V30-84Y-2NU | - | - | 221,430 | 200,270 | 179,950 | 161,160 | 143,250 | 111,920 | 85,420 |
| ACV0330M^AFX | V35-103Y-2NU | - | - | - | - | 216,840 | 195,580 | 175,150 | 138,720 | 107,420 |
| ACV0350M^AFX | Z35-106Y-2NU | - | - | - | 246,890 | 222,290 | 198,600 | 176,260 | 136,870 | 103,500 |
| ACV0400M^AFX | Z40-126Y-2NU | - | - | 320,500 | 290,420 | 261,980 | 234,830 | 209,510 | 164,190 | 125,660 |
| ACV0500M^AFX | Z50-154Y-2NU | - | - | - | - | 320,230 | 289,190 | 258,990 | 204,190 | 156,980 |

**Notes:**

*HEAD FAN REQUIRED FOR ALL OPERATING CONDITIONS*

Liquid Injection Required

^ C =208-230/3/60, D = 460/3/60, E = 575/3/60

# PERFORMANCE DATA – R-407A/R-407F

## Medium Temperature - Frascold Compressor Models

| R-407A/R-407F | | Capacity BTUH @ 90°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 40°F | 35°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F | -10°F |
| ACV0150M^AFX | S15-52Y-2NU | 194,580 | 176,910 | 160,010 | 144,020 | 129,070 | 115,110 | 102,000 | 79,100 | 59,740 |
| ACV0200M^AFX | S20-56Y-2NU | 212,440 | 193,150 | 175,130 | 158,030 | 141,960 | 127,040 | 113,070 | 88,250 | 67,250 |
| ACV0220M^AFX | V20-59Y-2NU | 217,190 | 197,420 | 178,870 | 161,310 | 144,940 | 129,380 | 115,010 | 89,210 | 67,260 |
| ACV0250M^AFX | V25-71Y-2NU | 254,980 | 233,060 | 211,570 | 191,540 | 172,430 | 154,490 | 137,660 | 106,980 | 80,700 |
| ACV0300M^AFX | V30-84Y-2NU | 322,380 | 294,100 | 266,930 | 241,080 | 216,980 | 194,170 | 172,850 | 134,970 | 102,590 |
| ACV0330M^AFX | V35-103Y-2NU | 376,580 | 344,140 | 312,570 | 283,070 | 255,120 | 229,110 | 204,370 | 160,020 | 122,170 |
| ACV0350M^AFX | Z35-106Y-2NU | 394,320 | 359,580 | 327,370 | 295,700 | 266,220 | 238,840 | 212,790 | 166,130 | 126,380 |
| ACV0400M^AFX | Z40-126Y-2NU | 473,400 | 433,120 | 394,170 | 356,990 | 322,160 | 288,880 | 257,430 | 201,400 | 153,320 |
| ACV0500M^AFX | Z50-154Y-2NU | 563,990 | 517,100 | 470,740 | 427,640 | 386,420 | 347,450 | 310,910 | 243,870 | 185,710 |

| R-407A/R-407F | | Capacity BTUH @ 95°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 40°F | 35°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F | -10°F |
| **ACV0150M^AFX** | **S15-52Y-2NU** | **186,290** | **169,360** | **153,130** | **137,750** | **123,400** | **109,890** | **97,350** | **75,310** | **56,580** |
| **ACV0200M^AFX** | **S20-56Y-2NU** | **203,670** | **185,160** | **167,850** | **151,400** | **135,920** | **121,570** | **108,160** | **84,170** | **63,910** |
| **ACV0220M^AFX** | **V20-59Y-2NU** | **208,060** | **189,120** | **171,290** | **154,410** | **138,650** | **123,510** | **109,670** | **84,920** | **63,720** |
| **ACV0250M^AFX** | **V25-71Y-2NU** | **243,940** | **222,980** | **202,360** | **183,090** | **164,830** | **147,780** | **131,350** | **101,930** | **76,470** |
| **ACV0300M^AFX** | **V30-84Y-2NU** | **309,360** | **282,240** | **256,160** | **231,330** | **208,100** | **185,980** | **165,570** | **129,050** | **97,750** |
| **ACV0330M^AFX** | **V35-103Y-2NU** | **361,060** | **330,000** | **299,710** | **271,370** | **244,420** | **219,450** | **195,620** | **152,830** | **116,260** |
| **ACV0350M^AFX** | **Z35-106Y-2NU** | **377,910** | **344,640** | **313,140** | **283,350** | **255,000** | **228,640** | **203,480** | **158,530** | **120,140** |
| **ACV0400M^AFX** | **Z40-126Y-2NU** | **454,280** | **415,600** | **378,120** | **342,350** | **308,720** | **276,510** | **246,300** | **192,270** | **145,650** |
| **ACV0500M^AFX** | **Z50-154Y-2NU** | **539,420** | **495,190** | **451,140** | **409,700** | **370,060** | **332,500** | **297,070** | **232,330** | **176,380** |

| R-407A/R-407F | | Capacity BTUH @ 100°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 40°F | 35°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F | -10°F |
| ACV0150M^AFX | S15-52Y-2NU | 178,020 | 161,800 | 146,270 | 131,680 | 117,580 | 104,740 | 92,790 | 71,500 | 53,450 |
| ACV0200M^AFX | S20-56Y-2NU | 194,910 | 177,170 | 160,570 | 144,790 | 130,070 | 115,940 | 103,070 | 80,100 | 60,570 |
| ACV0220M^AFX | V20-59Y-2NU | 198,980 | 180,820 | 163,730 | 147,530 | 132,340 | 117,890 | 104,500 | 80,660 | 60,200 |
| ACV0250M^AFX | V25-71Y-2NU | 232,920 | 212,880 | 193,180 | 174,710 | 157,210 | 140,630 | 124,930 | 96,760 | 72,250 |
| ACV0300M^AFX | V30-84Y-2NU | 296,390 | 270,400 | 245,340 | 221,560 | 199,240 | 178,120 | 158,320 | 123,120 | 92,900 |
| ACV0330M^AFX | V35-103Y-2NU | 345,550 | 315,890 | 286,880 | 259,710 | 233,860 | 209,820 | 186,610 | 145,650 | 110,380 |
| ACV0350M^AFX | Z35-106Y-2NU | 361,480 | 329,690 | 299,580 | 271,010 | 243,830 | 218,480 | 194,120 | 150,950 | 113,920 |
| ACV0400M^AFX | Z40-126Y-2NU | 435,140 | 398,080 | 362,110 | 327,700 | 294,900 | 264,290 | 235,370 | 183,020 | 138,050 |
| ACV0500M^AFX | Z50-154Y-2NU | - | 473,760 | 431,580 | 391,840 | 353,750 | 317,650 | 283,510 | 220,980 | 167,070 |

**Notes:**

*HEAD FAN REQUIRED FOR ALL OPERATING CONDITIONS*

^ C =208-230/3/60, D = 460/3/60, E = 575/3/60

# PERFORMANCE DATA – R-407A/R-407F

Medium Temperature - Frascold Compressor Models

| R-407A/R-407F | | Capacity BTUH @ 110°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 40°F | 35°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F | -10°F |
| ACV0150M^AFX | S15-52Y-2NU | - | 146,770 | 132,550 | 119,190 | 106,470 | 94,460 | 83,530 | 63,900 | 47,180 |
| ACV0200M^AFX | S20-56Y-2NU | - | - | 146,090 | 131,610 | 118,070 | 105,240 | 93,180 | 71,990 | 53,820 |
| ACV0220M^AFX | V20-59Y-2NU | - | - | 148,730 | 133,880 | 119,870 | 106,590 | 94,210 | 72,200 | 53,160 |
| ACV0250M^AFX | V25-71Y-2NU | - | - | - | 158,030 | 142,050 | 127,020 | 112,610 | 86,490 | 63,780 |
| ACV0300M^AFX | V30-84Y-2NU | - | - | 223,920 | 202,390 | 181,550 | 162,070 | 143,810 | 111,270 | 83,130 |
| ACV0330M^AFX | V35-103Y-2NU | - | - | - | 236,510 | 212,810 | 190,700 | 169,470 | 131,590 | 98,710 |
| ACV0350M^AFX | Z35-106Y-2NU | - | - | - | 246,480 | 221,950 | 198,280 | 176,070 | 136,110 | 101,580 |
| ACV0400M^AFX | Z40-126Y-2NU | - | - | - | 298,650 | 268,670 | 239,930 | 213,170 | 164,890 | 123,140 |
| ACV0500M^AFX | Z50-154Y-2NU | - | - | - | - | 321,520 | 288,110 | 256,720 | 198,890 | 148,960 |

**Notes:**

*HEAD FAN REQUIRED FOR ALL OPERATING CONDITIONS*

^ C =208-230/3/60, D = 460/3/60, E = 575/3/60

# PERFORMANCE DATA – R-407C

## Medium Temperature - Frascold Compressor Models

| R-407C | | Capacity BTUH @ 90°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 40°F | 35°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F | -10°F |
| ACV0150M^AFX | S15-52Y-2NU | 179,810 | 162,780 | 146,690 | 131,620 | 117,650 | 104,600 | 92,640 | 71,220 | 52,980 |
| ACV0200M^AFX | S20-56Y-2NU | 197,920 | 179,740 | 162,760 | 146,730 | 131,700 | 117,790 | 104,750 | 81,360 | 61,080 |
| ACV0220M^AFX | V20-59Y-2NU | 195,050 | 176,430 | 159,010 | 142,570 | 127,290 | 112,790 | 99,420 | 75,750 | 55,590 |
| ACV0250M^AFX | V25-71Y-2NU | 231,400 | 210,130 | 190,060 | 171,100 | 153,340 | 136,980 | 121,560 | 94,570 | 71,900 |
| ACV0300M^AFX | V30-84Y-2NU | 296,940 | 269,450 | 243,260 | 218,780 | 195,570 | 174,250 | 154,150 | 119,020 | 88,950 |
| ACV0330M^AFX | V35-103Y-2NU | 347,420 | 314,810 | 284,430 | 255,690 | 228,720 | 203,790 | 180,430 | 139,050 | 104,060 |
| ACV0350M^AFX | Z35-106Y-2NU | 355,440 | 322,480 | 291,020 | 261,350 | 233,870 | 207,900 | 184,310 | 143,000 | 108,640 |
| ACV0400M^AFX | Z40-126Y-2NU | 426,470 | 387,820 | 350,570 | 315,530 | 281,820 | 250,490 | 221,090 | 168,960 | 124,360 |
| ACV0500M^AFX | Z50-154Y-2NU | 512,020 | 465,870 | 420,800 | 378,650 | 338,800 | 301,680 | 266,460 | 203,780 | 150,230 |

| R-407C | | Capacity BTUH @ 95°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 40°F | 35°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F | -10°F |
| **ACV0150M^AFX** | **S15-52Y-2NU** | **173,590** | **157,020** | **141,310** | **126,750** | **112,880** | **100,250** | **88,610** | **67,690** | - |
| **ACV0200M^AFX** | **S20-56Y-2NU** | **190,420** | **173,190** | **156,560** | **141,130** | **126,630** | **113,180** | **100,480** | **77,940** | **58,210** |
| **ACV0220M^AFX** | **V20-59Y-2NU** | **187,700** | **169,680** | **152,840** | **136,920** | **122,090** | **108,180** | **95,260** | **72,240** | **52,710** |
| **ACV0250M^AFX** | **V25-71Y-2NU** | **223,280** | **202,720** | **183,460** | **165,190** | **148,070** | **132,260** | **117,500** | **91,430** | - |
| **ACV0300M^AFX** | **V30-84Y-2NU** | **286,060** | **259,460** | **234,110** | **210,400** | **187,760** | **167,090** | **147,760** | **113,670** | **84,540** |
| **ACV0330M^AFX** | **V35-103Y-2NU** | **333,350** | **301,850** | **272,550** | **244,830** | **218,830** | **194,820** | **172,240** | **132,670** | **99,280** |
| **ACV0350M^AFX** | **Z35-106Y-2NU** | **341,270** | **309,570** | **279,260** | **250,700** | **224,220** | **199,250** | **176,600** | **136,940** | **104,070** |
| **ACV0400M^AFX** | **Z40-126Y-2NU** | **408,920** | **371,820** | **336,080** | **302,410** | **269,930** | **239,950** | **211,500** | **161,320** | **118,240** |
| **ACV0500M^AFX** | **Z50-154Y-2NU** | **492,580** | **447,420** | **404,770** | **364,050** | **325,520** | **289,570** | **255,510** | **195,000** | **142,940** |

| R-407C | | Capacity BTUH @ 100°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 40°F | 35°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F | -10°F |
| ACV0150M^AFX | S15-52Y-2NU | 167,830 | 151,660 | 136,350 | 122,090 | 108,620 | 96,230 | 84,850 | 64,410 | - |
| ACV0200M^AFX | S20-56Y-2NU | 182,910 | 166,050 | 150,320 | 135,480 | 121,500 | 108,420 | 96,250 | 74,460 | 55,360 |
| ACV0220M^AFX | V20-59Y-2NU | 180,380 | 163,030 | 146,680 | 131,330 | 117,010 | 103,500 | 91,080 | 68,780 | 49,870 |
| ACV0250M^AFX | V25-71Y-2NU | 215,300 | 195,560 | 177,000 | 159,440 | 142,970 | 127,700 | 113,440 | 88,440 | - |
| ACV0300M^AFX | V30-84Y-2NU | 275,160 | 249,470 | 224,980 | 202,010 | 180,200 | 160,120 | 141,550 | 108,390 | 80,140 |
| ACV0330M^AFX | V35-103Y-2NU | 319,230 | 288,910 | 260,680 | 233,980 | 209,260 | 185,600 | 164,160 | 126,240 | 94,500 |
| ACV0350M^AFX | Z35-106Y-2NU | 327,280 | 296,800 | 267,650 | 240,050 | 214,610 | 190,960 | 169,030 | 131,050 | 99,660 |
| ACV0400M^AFX | Z40-126Y-2NU | 391,270 | 355,740 | 321,460 | 289,160 | 258,060 | 229,050 | 201,900 | 153,650 | 112,000 |
| ACV0500M^AFX | Z50-154Y-2NU | 473,650 | 430,180 | 389,020 | 349,720 | 312,820 | 277,730 | 245,030 | 186,300 | 135,860 |

**Notes:**

*HEAD FAN REQUIRED FOR ALL OPERATING CONDITIONS*

Liquid Injection Required

^ C =208-230/3/60, D = 460/3/60, E = 575/3/60

# PERFORMANCE DATA – R-407C

## Medium Temperature - Frascold Compressor Models

| R-407C | | Capacity BTUH @ 110°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 40°F | 35°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F | -10°F |
| ACV0150M^AFX | S15-52Y-2NU | 157,940 | 142,560 | 128,020 | 114,280 | 101,470 | 89,600 | 78,640 | 59,020 | 42,130 |
| ACV0200M^AFX | S20-56Y-2NU | 167,740 | 152,510 | 137,750 | 124,050 | 111,210 | 99,090 | 87,770 | 67,360 | 49,520 |
| ACV0220M^AFX | V20-59Y-2NU | 165,980 | 149,890 | 134,780 | 120,480 | 107,010 | 94,480 | 82,940 | - | 44,360 |
| ACV0250M^AFX | V25-71Y-2NU | - | - | 164,580 | 148,400 | 133,310 | 119,150 | 106,060 | 82,890 | - |
| ACV0300M^AFX | V30-84Y-2NU | 253,620 | 229,740 | 206,740 | 185,340 | 165,190 | 146,200 | 128,890 | 97,930 | 71,440 |
| ACV0330M^AFX | V35-103Y-2NU | - | 263,130 | 237,040 | 212,420 | 189,410 | 168,010 | 148,050 | 113,630 | 85,060 |
| ACV0350M^AFX | Z35-106Y-2NU | - | 271,580 | 244,840 | 219,900 | 196,210 | 174,610 | 154,410 | 119,810 | 91,380 |
| ACV0400M^AFX | Z40-126Y-2NU | 356,280 | 323,810 | 292,450 | 262,690 | 234,350 | 207,600 | 182,910 | 138,230 | 99,690 |
| ACV0500M^AFX | Z50-154Y-2NU | - | - | 358,290 | 321,850 | 287,520 | 254,670 | 224,320 | 169,680 | 122,460 |

**Notes:**

*HEAD FAN REQUIRED FOR ALL OPERATING CONDITIONS*

Liquid Injection Required

^ C =208-230/3/60, D = 460/3/60, E = 575/3/60

# PERFORMANCE DATA – R-404A/R-507A

## Low Temperature - Frascold Compressor Models

| R-404A/R-507A | | Capacity BTUH @ 90°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| ACV0130L^AFX | V15-59Y-2NU | 102,600 | 92,010 | 82,080 | 72,890 | 64,270 | 56,220 | 48,710 | 41,580 | 34,830 |
| ACV0150L^AFX | V15-71Y-2NU | 120,960 | 108,610 | 96,910 | 86,100 | 75,960 | 66,470 | 57,570 | 49,060 | 40,970 |
| ACV0200L^AFX | V20-84Y-2NU | 136,710 | 122,590 | 109,190 | 96,510 | 84,710 | 73,570 | 63,280 | 53,750 | 44,980 |
| ACV0220L^AFX | V25-103Y-2NU | 159,680 | 143,060 | 127,190 | 112,250 | 98,050 | 84,850 | 72,670 | 61,310 | 50,890 |
| ACV0250L^AFX | Z25-106Y-2NU | 169,210 | 151,650 | 134,800 | 118,740 | 103,420 | 89,270 | 76,160 | 64,060 | 53,020 |
| ACV0300L^AFX | Z30-126Y-2NU | 188,530 | 169,910 | 151,740 | 134,540 | 118,220 | 102,590 | 88,210 | 74,760 | 62,360 |
| ACV0400L^AFX | Z40-154Y-2NU | 257,410 | 232,700 | 209,360 | 186,570 | 165,310 | 144,990 | 126,000 | 107,620 | 89,830 |

| R-404A/R-507A | | Capacity BTUH @ 95°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| **ACV0130L^AFX** | **V15-59Y-2NU** | **98,210** | **87,900** | **78,440** | **69,530** | **61,210** | **53,410** | **46,140** | **39,210** | **32,630** |
| **ACV0150L^AFX** | **V15-71Y-2NU** | **115,370** | **103,560** | **92,420** | **82,030** | **72,250** | **63,060** | **54,370** | **46,150** | **38,250** |
| **ACV0200L^AFX** | **V20-84Y-2NU** | **129,370** | **115,980** | **103,440** | **91,590** | **80,350** | **69,810** | **60,080** | **51,030** | **42,710** |
| **ACV0220L^AFX** | **V25-103Y-2NU** | **150,890** | **134,930** | **120,100** | **106,060** | **92,400** | **79,690** | **68,130** | **57,350** | **47,500** |
| **ACV0250L^AFX** | **Z25-106Y-2NU** | **160,130** | **143,580** | **127,860** | **112,270** | **97,820** | **84,380** | **71,880** | **60,340** | **49,760** |
| **ACV0300L^AFX** | **Z30-126Y-2NU** | **177,990** | **160,120** | **143,400** | **127,150** | **111,470** | **96,810** | **83,160** | **70,340** | **58,510** |
| **ACV0400L^AFX** | **Z40-154Y-2NU** | **245,000** | **221,510** | **199,230** | **177,660** | **156,900** | **137,460** | **118,880** | **101,000** | **83,590** |

| R-404A/R-507A | | Capacity BTUH @ 100°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| ACV0130L^AFX | V15-59Y-2NU | 93,500 | 83,720 | 74,680 | 66,120 | 58,090 | 50,570 | 43,490 | 36,790 | 30,380 |
| ACV0150L^AFX | V15-71Y-2NU | 109,910 | 98,570 | 87,890 | 77,940 | 68,500 | 59,640 | 51,260 | 43,220 | 35,530 |
| ACV0200L^AFX | V20-84Y-2NU | 121,890 | 109,550 | 97,620 | 86,530 | 75,920 | 66,040 | 56,860 | 48,330 | 40,440 |
| ACV0220L^AFX | V25-103Y-2NU | - | 127,010 | 112,950 | 99,570 | 86,740 | 74,650 | 63,580 | 53,380 | 44,100 |
| ACV0250L^AFX | Z25-106Y-2NU | 151,050 | 135,500 | 120,660 | 106,000 | 92,260 | 79,530 | 67,660 | 56,700 | 46,640 |
| ACV0300L^AFX | Z30-126Y-2NU | - | 150,730 | 135,040 | 119,960 | 105,100 | 91,060 | 78,150 | 65,970 | 54,740 |
| ACV0400L^AFX | Z40-154Y-2NU | 232,390 | 210,170 | 188,960 | 168,310 | 148,390 | 129,680 | 111,670 | 94,300 | 77,270 |

| R-404A/R-507A | | Capacity BTUH @ 110°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| ACV0130L^AFX | V15-59Y-2NU | - | 75,270 | 66,970 | 59,050 | 51,710 | 44,700 | 38,120 | 31,820 | 25,800 |
| ACV0150L^AFX | V15-71Y-2NU | - | - | 78,870 | 69,690 | 60,990 | 52,730 | 44,880 | 37,350 | 30,070 |
| ACV0200L^AFX | V20-84Y-2NU | - | - | 86,080 | 76,290 | 67,100 | 58,480 | 50,460 | 42,990 | 36,070 |
| ACV0220L^AFX | V25-103Y-2NU | - | - | - | - | - | 64,350 | 54,470 | 45,440 | 37,210 |
| ACV0250L^AFX | Z25-106Y-2NU | - | - | - | - | 81,410 | 70,020 | 59,450 | 49,670 | 40,680 |
| ACV0300L^AFX | Z30-126Y-2NU | - | - | - | - | - | 79,870 | 68,300 | 57,460 | 47,410 |
| ACV0400L^AFX | Z40-154Y-2NU | - | - | - | - | 131,310 | 113,870 | 97,070 | 80,540 | 64,450 |

**Notes:**

*HEAD FAN REQUIRED FOR ALL OPERATING CONDITIONS*

Liquid Injection Required

^ C =208-230/3/60, D = 460/3/60, E = 575/3/60

# PERFORMANCE DATA – R-448A/R-449A

## Low Temperature - Frascold Compressor Models

| R-448A/R-449A | | Capacity BTUH @ 90°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| ACV0130L^AFX | V15-59Y-2NU | 93,680 | 82,300 | 71,960 | 62,370 | 53,610 | 45,550 | 38,240 | 31,500 | 25,290 |
| ACV0150L^AFX | V15-71Y-2NU | 113,650 | 100,060 | 87,580 | 76,210 | 65,750 | 56,220 | 47,510 | 39,540 | 32,210 |
| ACV0200L^AFX | V20-84Y-2NU | 134,890 | 119,360 | 105,200 | 92,090 | 80,110 | 69,020 | 58,800 | 49,220 | 40,160 |
| ACV0220L^AFX | V25-103Y-2NU | 158,160 | 140,930 | 124,950 | 109,680 | 95,570 | 82,240 | 70,100 | 58,600 | 47,710 |
| ACV0250L^AFX | Z25-106Y-2NU | 161,140 | 142,600 | 125,380 | 109,400 | 94,520 | 81,040 | 68,620 | 57,130 | 46,440 |
| ACV0300L^AFX | Z30-126Y-2NU | 193,100 | 172,570 | 153,190 | 134,980 | 117,880 | 102,000 | 87,370 | 73,890 | 61,310 |
| ACV0400L^AFX | Z40-154Y-2NU | 246,190 | 218,550 | 192,540 | 168,420 | 145,900 | 125,390 | 106,540 | 89,150 | 73,150 |

| R-448A/R-449A | | Capacity BTUH @ 95°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| **ACV0130L^AFX** | **V15-59Y-2NU** | **89,680** | **78,750** | **68,690** | **59,430** | **50,950** | **43,170** | **36,100** | **29,590** | **23,600** |
| **ACV0150L^AFX** | **V15-71Y-2NU** | **109,010** | **95,780** | **83,810** | **72,750** | **62,640** | **53,440** | **45,030** | **37,330** | **30,250** |
| **ACV0200L^AFX** | **V20-84Y-2NU** | **129,370** | **114,520** | **100,800** | **88,170** | **76,620** | **65,950** | **56,100** | **46,870** | **38,140** |
| **ACV0220L^AFX** | **V25-103Y-2NU** | **151,390** | **134,830** | **119,450** | **104,750** | **91,000** | **78,220** | **66,490** | **55,350** | **44,770** |
| **ACV0250L^AFX** | **Z25-106Y-2NU** | **153,960** | **136,380** | **119,710** | **104,230** | **89,950** | **76,960** | **64,960** | **53,850** | **43,490** |
| **ACV0300L^AFX** | **Z30-126Y-2NU** | **185,070** | **165,300** | **146,770** | **129,330** | **112,760** | **97,520** | **83,450** | **70,310** | **58,090** |
| **ACV0400L^AFX** | **Z40-154Y-2NU** | **236,130** | **209,590** | **184,520** | **161,120** | **139,460** | **119,610** | **101,320** | **84,390** | **68,660** |

| R-448A/R-449A | | Capacity BTUH @ 100°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| ACV0130L^AFX | V15-59Y-2NU | 85,640 | 75,110 | 65,400 | 56,460 | 48,280 | 40,760 | 33,940 | 27,690 | 21,900 |
| ACV0150L^AFX | V15-71Y-2NU | 104,320 | 91,510 | 79,970 | 69,300 | 59,550 | 50,660 | 42,540 | 35,120 | 28,300 |
| ACV0200L^AFX | V20-84Y-2NU | 123,850 | 109,580 | 96,390 | 84,250 | 73,170 | 62,890 | 53,420 | 44,550 | 36,150 |
| ACV0220L^AFX | V25-103Y-2NU | 144,570 | 128,670 | 113,840 | 99,690 | 86,480 | 74,270 | 62,840 | 52,060 | 41,780 |
| ACV0250L^AFX | Z25-106Y-2NU | 146,930 | 130,020 | 113,990 | 99,080 | 85,450 | 72,830 | 61,260 | 50,480 | 40,510 |
| ACV0300L^AFX | Z30-126Y-2NU | 176,970 | 158,200 | 140,430 | 123,680 | 107,780 | 93,030 | 79,450 | 66,730 | 54,880 |
| ACV0400L^AFX | Z40-154Y-2NU | 225,990 | 200,520 | 176,250 | 153,840 | 132,930 | 113,740 | 96,000 | 79,550 | 64,230 |

| R-448A/R-449A | | Capacity BTUH @ 110°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| ACV0130L^AFX | V15-59Y-2NU | 77,600 | 67,770 | 58,750 | 50,400 | 42,800 | 35,870 | 29,570 | 23,770 | 18,400 |
| ACV0150L^AFX | V15-71Y-2NU | 94,810 | 83,040 | 72,350 | 62,450 | 53,410 | 45,170 | 37,650 | 30,770 | 24,470 |
| ACV0200L^AFX | V20-84Y-2NU | 112,970 | 99,800 | 87,700 | 76,600 | 66,340 | 56,900 | 48,140 | 40,010 | 32,280 |
| ACV0220L^AFX | V25-103Y-2NU | - | 116,160 | 102,600 | 89,600 | 77,300 | 66,020 | 55,390 | 45,250 | 35,670 |
| ACV0250L^AFX | Z25-106Y-2NU | 132,680 | 117,170 | 102,390 | 88,660 | 76,130 | 64,480 | 53,760 | 43,730 | 34,450 |
| ACV0300L^AFX | Z30-126Y-2NU | - | - | 127,710 | 112,340 | 97,800 | 84,060 | 71,470 | 59,610 | 48,510 |
| ACV0400L^AFX | Z40-154Y-2NU | 205,510 | 182,140 | 159,880 | 139,040 | 119,760 | 101,770 | 85,140 | 69,550 | - |

**Notes:**

*HEAD FAN REQUIRED FOR ALL OPERATING CONDITIONS*

Liquid Injection Required

^ C =208-230/3/60, D = 460/3/60, E = 575/3/60

# PERFORMANCE DATA – R-407A/R-407F

## Low Temperature - Frascold Compressor Models

| R-407A/R-407F | | Capacity BTUH @ 90°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| ACV0130L\AFX | V15-59Y-2NU | 89,440 | 78,080 | 67,640 | 58,030 | 49,160 | 40,840 | 33,060 | 25,550 | 18,230 |
| ACV0150L\AFX | V15-71Y-2NU | 110,310 | 96,560 | 84,080 | 72,500 | 61,770 | 51,760 | 42,280 | 33,180 | 24,280 |
| ACV0200L\AFX | V20-84Y-2NU | 134,540 | 118,400 | 103,660 | 89,920 | 77,270 | 65,380 | 54,140 | 43,300 | 32,650 |
| ACV0220L\AFX | V25-103Y-2NU | 151,810 | 133,950 | 117,550 | 101,920 | 87,470 | 73,950 | 61,030 | 48,490 | 36,070 |
| ACV0250L\AFX | Z25-106Y-2NU | 158,130 | 139,240 | 121,410 | 104,870 | 89,620 | 75,250 | 61,660 | 48,470 | 35,600 |
| ACV0300L\AFX | Z30-126Y-2NU | 183,440 | 162,030 | 142,130 | 123,400 | 105,580 | 88,700 | 72,890 | 57,710 | 43,260 |
| ACV0400L\AFX | Z40-154Y-2NU | 238,840 | 210,820 | 184,120 | 159,420 | 136,400 | 114,750 | 94,470 | 75,220 | 56,740 |

| R-407A/R-407F | | Capacity BTUH @ 95°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| **ACV0130L\AFX** | **V15-59Y-2NU** | **85,230** | **74,240** | **64,150** | **54,880** | **46,280** | **38,330** | **30,860** | **23,700** | **16,690** |
| **ACV0150L\AFX** | **V15-71Y-2NU** | **105,390** | **92,080** | **80,010** | **68,820** | **58,470** | **48,800** | **39,740** | **31,020** | **22,510** |
| **ACV0200L\AFX** | **V20-84Y-2NU** | **128,920** | **113,340** | **99,040** | **85,780** | **73,590** | **62,130** | **51,320** | **40,910** | **30,700** |
| **ACV0220L\AFX** | **V25-103Y-2NU** | **145,250** | **127,980** | **112,110** | **97,020** | **83,080** | **70,070** | **57,650** | **45,610** | **33,710** |
| **ACV0250L\AFX** | **Z25-106Y-2NU** | **151,010** | **132,530** | **115,410** | **99,580** | **84,860** | **71,030** | **57,980** | **45,320** | **32,990** |
| **ACV0300L\AFX** | **Z30-126Y-2NU** | **174,740** | **154,450** | **135,240** | **117,070** | **99,770** | **83,620** | **68,380** | **53,850** | **39,870** |
| **ACV0400L\AFX** | **Z40-154Y-2NU** | **228,300** | **201,190** | **175,610** | **151,540** | **129,300** | **108,450** | **88,900** | **70,280** | **52,670** |

| R-407A/R-407F | | Capacity BTUH @ 100°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| ACV0130L\AFX | V15-59Y-2NU | 81,090 | 70,480 | 60,750 | 51,800 | 43,540 | 35,890 | 28,750 | 21,900 | 15,210 |
| ACV0150L\AFX | V15-71Y-2NU | 100,570 | 87,690 | 76,040 | 65,230 | 55,280 | 45,980 | 37,290 | 28,950 | 20,830 |
| ACV0200L\AFX | V20-84Y-2NU | 123,430 | 108,440 | 94,580 | 81,790 | 70,040 | 59,000 | 48,620 | 38,640 | 28,880 |
| ACV0220L\AFX | V25-103Y-2NU | 138,820 | 122,180 | 106,820 | 92,420 | 78,850 | 66,340 | 54,420 | 42,880 | 31,500 |
| ACV0250L\AFX | Z25-106Y-2NU | 144,070 | 126,370 | 109,890 | 94,420 | 80,290 | 67,000 | 54,470 | 42,330 | 30,530 |
| ACV0300L\AFX | Z30-126Y-2NU | 166,610 | 147,040 | 128,470 | 110,960 | 94,260 | 78,730 | 64,050 | 50,050 | 36,600 |
| ACV0400L\AFX | Z40-154Y-2NU | 218,300 | 191,710 | 167,110 | 143,880 | 122,430 | 102,290 | 83,480 | 65,570 | 48,600 |

| R-407A/R-407F | | Capacity BTUH @ 110°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| ACV0130L\AFX | V15-59Y-2NU | 73,230 | 63,280 | 54,240 | 45,970 | 38,350 | 31,340 | 24,810 | 18,590 | 12,530 |
| ACV0150L\AFX | V15-71Y-2NU | 91,250 | 79,360 | 68,460 | 58,450 | 49,260 | 40,720 | 32,760 | 25,160 | 17,790 |
| ACV0200L\AFX | V20-84Y-2NU | 112,850 | 98,990 | 86,080 | 74,250 | 63,380 | 53,210 | 43,680 | 34,550 | 25,640 |
| ACV0220L\AFX | V25-103Y-2NU | 126,510 | 111,240 | 96,820 | 83,420 | 71,060 | 59,460 | 48,500 | 37,910 | 27,580 |
| ACV0250L\AFX | Z25-106Y-2NU | 130,710 | 114,270 | 99,080 | 84,730 | 71,710 | 59,460 | 47,910 | 36,880 | 26,130 |
| ACV0300L\AFX | Z30-126Y-2NU | - | 132,920 | 115,880 | 99,400 | 84,040 | 69,550 | 55,940 | 42,940 | 30,610 |
| ACV0400L\AFX | Z40-154Y-2NU | 198,360 | 173,740 | 150,840 | 129,360 | 109,450 | 90,780 | 73,370 | 56,900 | 41,200 |

**Notes:**

*HEAD FAN REQUIRED FOR ALL OPERATING CONDITIONS*

Liquid Injection Required

^ C =208-230/3/60, D = 460/3/60, E = 575/3/60

# UNIT SPECIFICATIONS

## Medium & Low Temperature - Frascold Compressor Models

| Model | Compressor | Refrigerant Line Connections (OD) | | Rec. Capacity @90% full (lbs) | Condenser Fan Data | | Dimensions (In.) | | | Net Wt. |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Liquid | Suction | Standard | No. Fans | Dia. | Length | Width | Height | (lbs.) |
| ACV0130L^AFX | V15-59Y-2NU | 1-1/8 | 2-1/8 | 123 | 2 | 30" | 176.35 | 48.9 | 59.4 | 2,274 |
| ACV0150L^AFX | V15-71Y-2NU | 1-1/8 | 2-1/8 | 123 | 2 | 30" | 176.35 | 48.9 | 59.4 | 2,282 |
| ACV0200L^AFX | V20-84Y-2NU | 1-1/8 | 2-1/8 | 123 | 2 | 30" | 176.35 | 48.9 | 59.4 | 2,290 |
| ACV0220L^AFX | V25-103Y-2NU | 1-1/8 | 2-1/8 | 123 | 2 | 30" | 176.35 | 48.9 | 59.4 | 2,264 |
| ACV0250L^AFX | Z25-106Y-2NU | 1-1/8 | 2-1/8 | 123 | 2 | 30" | 176.35 | 48.9 | 59.4 | 2,319 |
| ACV0300L^AFX | Z30-126Y-2NU | 1-1/8 | 2-1/8 | 123 | 2 | 30" | 176.35 | 48.9 | 59.4 | 2,319 |
| ACV0400L^AFX | Z40-154Y-2NU | 1-1/8 | 2-1/8 | 188 | 3 | 30" | 229.4 | 48.9 | 59.4 | 2,931 |
| ACV0150M^AFX | S15-52Y-2NU | 1-1/8 | 1-5/8 | 123 | 2 | 30" | 176.35 | 48.9 | 59.4 | 2,168 |
| ACV0200M^AFX | S20-56Y-2NU | 1-1/8 | 2-1/8 | 123 | 2 | 30" | 176.35 | 48.9 | 59.4 | 2,177 |
| ACV0220M^AFX | V20-59Y-2NU | 1-1/8 | 2-1/8 | 123 | 2 | 30" | 176.35 | 48.9 | 59.4 | 2,183 |
| ACV0250M^AFX | V25-71Y-2NU | 1-1/8 | 2-1/8 | 123 | 2 | 30" | 176.35 | 48.9 | 59.4 | 2,195 |
| ACV0300M^AFX | V30-84Y-2NU | 1-1/8 | 2-1/8 | 188 | 3 | 30" | 229.4 | 48.9 | 59.4 | 2,661 |
| ACV0330M^AFX | V35-103Y-2NU | 1-1/8 | 2-1/8 | 188 | 3 | 30" | 229.4 | 48.9 | 59.4 | 2,750 |
| ACV0350M^AFX | Z35-106Y-2NU | 1-1/8 | 2-1/8 | 188 | 3 | 30" | 229.4 | 48.9 | 59.4 | 2,807 |
| ACV0400M^AFX | Z40-126Y-2NU | 1-1/8 | 2-1/8 | 188 | 4 | 30" | 282.5 | 48.9 | 61.4 | 3,595 |
| ACV0500M^AFX | Z50-154Y-2NU | 1-1/8 | 2-1/8 | 188 | 4 | 30" | 282.5 | 48.9 | 61.4 | 3,571 |

**Notes:**
^ C = 208-230/3/60, D = 460/3/60, E = 575/3/60

# ELECTRICAL DATA

## Medium Temperature - Frascold Compressor Models/208-230V

| | | Remote Loads: Four Contactors | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Condensing Unit | | | | | | Low Amps "4L" | | | | High Amps "4H" | | | |
| Model | Compressor | Compressor | | Condenser | | Air Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | |
| | | RLA (Each) | LRA (Each) | No. Fans | FLA (Total) | MCA | MOPD | | | MCA | MOPD | | | MCA | MOPD |
| ACV0150MCAFX | S15-52Y-2NU | 67.3 | 231.0 | 2 | 13.2 | 97.3 | 150.0 | 25 | 96 | 122.3 | 150.0 | 25 | 108 | 135.0 | 150.0 |
| ACV0200MCAFX | S20-56Y-2NU | 73.1 | 293.0 | 2 | 13.2 | 104.6 | 150.0 | 25 | 96 | 129.6 | 200.0 | 25 | 108 | 135.0 | 200.0 |
| ACV0220MCAFX | V20-59Y-2NU | 69.2 | 367.0 | 2 | 13.2 | 99.7 | 150.0 | 25 | 96 | 124.7 | 150.0 | 25 | 108 | 135.0 | 150.0 |
| ACV0250MCAFX | V25-71Y-2NU | 73.7 | 415.0 | 2 | 13.2 | 105.3 | 150.0 | 25 | 125 | 156.3 | 200.0 | 30 | 181 | 226.3 | 250.0 |
| ACV0300MCAFX | V30-84Y-2NU | 96.8 | 462.0 | 3 | 19.8 | 140.8 | 225.0 | 30 | 149 | 186.3 | 250.0 | 30 | 181 | 226.3 | 250.0 |
| ACV0330MCAFX | V35-103Y-2NU | 108.3 | 507.0 | 3 | 19.8 | 155.2 | 250.0 | 30 | 149 | 186.3 | 250.0 | 30 | 181 | 226.3 | 250.0 |
| ACV0350MCAFX | Z35-106Y-2NU | 107.7 | 507.0 | 3 | 19.8 | 154.4 | 250.0 | 35 | 160 | 200.0 | 250.0 | 35 | 192 | 240.0 | 250.0 |
| ACV0400MCAFX | Z40-126Y-2NU | 136.5 | 520.0 | 4 | 26.4 | 197.0 | 300.0 | 35 | 160 | 232.0 | 300.0 | 35 | 192 | 240.0 | 300.0 |
| ACV0500MCAFX | Z50-154Y-2NU | 167.3 | 603.0 | 4 | 26.4 | 235.5 | 400.0 | 35 | 160 | 270.5 | 400.0 | 35 | 192 | 270.5 | 400.0 |

| | | Remote Loads: Three Contactors | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Condensing Unit | | | | | | Low Amps "3L" | | | | High Amps "3H" | | | |
| Model | Compressor | Compressor | | Condenser | | Air Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | |
| | | RLA (Each) | LRA (Each) | No. Fans | FLA (Total) | MCA | MOPD | | | MCA | MOPD | | | MCA | MOPD |
| ACV0150MCAFX | S15-52Y-2NU | 67.3 | 231.0 | 2 | 13.2 | 97.3 | 150.0 | 25 | 96 | 122.3 | 150.0 | 25 | 96 | 122.3 | 150.0 |
| ACV0200MCAFX | S20-56Y-2NU | 73.1 | 293.0 | 2 | 13.2 | 104.6 | 150.0 | 25 | 96 | 129.6 | 200.0 | 25 | 96 | 129.6 | 200.0 |
| ACV0220MCAFX | V20-59Y-2NU | 69.2 | 367.0 | 2 | 13.2 | 99.7 | 150.0 | 22 | 96 | 121.7 | 150.0 | 25 | 96 | 124.7 | 150.0 |
| ACV0250MCAFX | V25-71Y-2NU | 73.7 | 415.0 | 2 | 13.2 | 105.3 | 150.0 | 20 | 96 | 125.3 | 150.0 | 25 | 120 | 150.0 | 200.0 |
| ACV0300MCAFX | V30-84Y-2NU | 96.8 | 462.0 | 3 | 19.8 | 140.8 | 225.0 | 25 | 125 | 165.8 | 250.0 | 20 | 125 | 160.8 | 250.0 |
| ACV0330MCAFX | V35-103Y-2NU | 108.3 | 507.0 | 3 | 19.8 | 155.2 | 250.0 | 25 | 125 | 180.2 | 250.0 | 20 | 125 | 175.2 | 250.0 |
| ACV0350MCAFX | Z35-106Y-2NU | 107.7 | 507.0 | 3 | 19.8 | 154.4 | 250.0 | 30 | 150 | 187.5 | 250.0 | 35 | 150 | 189.4 | 250.0 |
| ACV0400MCAFX | Z40-126Y-2NU | 136.5 | 520.0 | 4 | 26.4 | 197.0 | 300.0 | 30 | 150 | 227.0 | 300.0 | 30 | 150 | 227.0 | 300.0 |
| ACV0500MCAFX | Z50-154Y-2NU | 167.3 | 603.0 | 4 | 26.4 | 235.5 | 400.0 | 30 | 150 | 265.5 | 400.0 | 30 | 150 | 265.5 | 400.0 |

# ELECTRICAL DATA

## Medium Temperature - Frascold Compressor Models/208-230V

| Model | Compressor | Condensing Unit | | | | | | Remote Loads: Two Contactors | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Low Amps "2L" | | | | High Amps "2H" | | | |
| | | Compressor | | Condenser | | Air Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | |
| | | RLA (Each) | LRA (Each) | No. Fans | FLA (Total) | MCA | MOPD | | | MCA | MOPD | | | MCA | MOPD |
| ACV0150MCAFX | S15-52Y-2NU | 67.3 | 231.0 | 2 | 13.2 | 97.3 | 150.0 | 25 | 80 | 122.3 | 150.0 | 25 | 96 | 122.3 | 150.0 |
| ACV0200MCAFX | S20-56Y-2NU | 73.1 | 293.0 | 2 | 13.2 | 104.6 | 150.0 | 25 | 80 | 129.6 | 200.0 | 25 | 96 | 129.6 | 200.0 |
| ACV0220MCAFX | V20-59Y-2NU | 69.2 | 367.0 | 2 | 13.2 | 99.7 | 150.0 | 20 | 80 | 119.7 | 150.0 | 20 | 96 | 120.0 | 150.0 |
| ACV0250MCAFX | V25-71Y-2NU | 73.7 | 415.0 | 2 | 13.2 | 105.3 | 150.0 | - | - | - | - | - | - | - | - |
| ACV0300MCAFX | V30-84Y-2NU | 96.8 | 462.0 | 3 | 19.8 | 140.8 | 225.0 | - | - | - | - | - | - | - | - |
| ACV0330MCAFX | V35-103Y-2NU | 108.3 | 507.0 | 3 | 19.8 | 155.2 | 250.0 | - | - | - | - | - | - | - | - |
| ACV0350MCAFX | Z35-106Y-2NU | 107.7 | 507.0 | 3 | 19.8 | 154.4 | 250.0 | - | - | - | - | - | - | - | - |
| ACV0400MCAFX | Z40-126Y-2NU | 136.5 | 520.0 | 4 | 26.4 | 197.0 | 300.0 | - | - | - | - | - | - | - | - |
| ACV0500MCAFX | Z50-154Y-2NU | 167.3 | 603.0 | 4 | 26.4 | 235.5 | 400.0 | - | - | - | - | - | - | - | - |

| Model | Compressor | Condensing Unit | | | | | | Remote Loads: One Contactor | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Low Amps "1L" | | | | High Amps "1H" | | | |
| | | Compressor | | Condenser | | Air Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | |
| | | RLA (Each) | LRA (Each) | No. Fans | FLA (Total) | MCA | MOPD | | | MCA | MOPD | | | MCA | MOPD |
| ACV0150MCAFX | S15-52Y-2NU | 67.3 | 231.0 | 2 | 13.2 | 97.3 | 150.0 | - | - | - | - | - | - | - | - |
| ACV0200MCAFX | S20-56Y-2NU | 73.1 | 293.0 | 2 | 13.2 | 104.6 | 150.0 | - | - | - | - | - | - | - | - |
| ACV0220MCAFX | V20-59Y-2NU | 69.2 | 367.0 | 2 | 13.2 | 99.7 | 150.0 | - | - | - | - | - | - | - | - |
| ACV0250MCAFX | V25-71Y-2NU | 73.7 | 415.0 | 2 | 13.2 | 105.3 | 150.0 | - | - | - | - | - | - | - | - |
| ACV0300MCAFX | V30-84Y-2NU | 96.8 | 462.0 | 3 | 19.8 | 140.8 | 225.0 | - | - | - | - | - | - | - | - |
| ACV0330MCAFX | V35-103Y-2NU | 108.3 | 507.0 | 3 | 19.8 | 155.2 | 250.0 | - | - | - | - | - | - | - | - |
| ACV0350MDAFX | Z35-106Y-2NU | 107.7 | 507.0 | 3 | 19.8 | 154.4 | 250.0 | - | - | - | - | - | - | - | - |
| ACV0400MDAFX | Z40-126Y-2NU | 136.5 | 520.0 | 4 | 26.4 | 197.0 | 300.0 | - | - | - | - | - | - | - | - |
| ACV0500MDAFX | Z50-154Y-2NU | 167.3 | 603.0 | 4 | 26.4 | 235.5 | 400.0 | - | - | - | - | - | - | - | - |

# ELECTRICAL DATA

## Medium Temperature - Frascold Compressor Models/460V

| Model | Compressor | Condensing Unit | | | | | | Remote Loads: Four Contactors | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Low Amps "4L" | | | | High Amps "4H" | | | |
| | | Compressor | | Condenser | | Air Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | |
| | | RLA (Each) | LRA (Each) | No. Fans | FLA (Total) | MCA | MOPD | | | MCA | MOPD | | | MCA | MOPD |
| ACV0150MDAFX | S15-52Y-2NU | 32.7 | 113.0 | 2 | 6.6 | 47.5 | 80.0 | 15 | 48 | 62.5 | 90.0 | 15 | 64 | 80.0 | 90.0 |
| ACV0200MDAFX | S20-56Y-2NU | 36.5 | 143.0 | 2 | 6.6 | 52.2 | 80.0 | 15 | 48 | 67.2 | 100.0 | 15 | 64 | 80.0 | 100.0 |
| ACV0220MDAFX | V20-59Y-2NU | 35.3 | 184.0 | 2 | 6.6 | 50.7 | 80.0 | 15 | 48 | 65.7 | 100.0 | 15 | 64 | 80.0 | 100.0 |
| ACV0250MDAFX | V25-71Y-2NU | 36.5 | 207.0 | 2 | 6.6 | 52.2 | 80.0 | 20 | 64 | 80.0 | 100.0 | 20 | 96 | 120.0 | 125.0 |
| ACV0300MDAFX | V30-84Y-2NU | 48.1 | 231.0 | 3 | 9.9 | 70.0 | 100.0 | 20 | 64 | 90.0 | 125.0 | 20 | 96 | 120.0 | 125.0 |
| ACV0330MDAFX | V35-103Y-2NU | 55.8 | 253.0 | 3 | 9.9 | 79.7 | 125.0 | 20 | 64 | 99.7 | 150.0 | 20 | 96 | 120.0 | 150.0 |
| ACV0350MDAFX | Z35-106Y-2NU | 53.2 | 253.0 | 3 | 9.9 | 76.4 | 125.0 | 20 | 64 | 96.4 | 125.0 | 20 | 96 | 120.0 | 125.0 |
| ACV0400MDAFX | Z40-126Y-2NU | 68.6 | 260.0 | 4 | 13.2 | 99.0 | 150.0 | 20 | 64 | 119.0 | 150.0 | 20 | 96 | 120.0 | 150.0 |
| ACV0500MDAFX | Z50-154Y-2NU | 89.7 | 302.0 | 4 | 13.2 | 125.3 | 200.0 | 20 | 64 | 145.3 | 225.0 | 20 | 96 | 145.3 | 225.0 |

| Model | Compressor | Condensing Unit | | | | | | Remote Loads: Three Contactors | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Low Amps "3L" | | | | High Amps "3H" | | | |
| | | Compressor | | Condenser | | Air Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | |
| | | RLA (Each) | LRA (Each) | No. Fans | FLA (Total) | MCA | MOPD | | | MCA | MOPD | | | MCA | MOPD |
| ACV0150MDAFX | S15-52Y-2NU | 32.7 | 113.0 | 2 | 6.6 | 47.5 | 80.0 | 15 | 48 | 62.5 | 90.0 | 15 | 64 | 80.0 | 90.0 |
| ACV0200MDAFX | S20-56Y-2NU | 36.5 | 143.0 | 2 | 6.6 | 52.2 | 80.0 | 15 | 48 | 67.2 | 100.0 | 15 | 64 | 80.0 | 100.0 |
| ACV0220MDAFX | V20-59Y-2NU | 35.3 | 184.0 | 2 | 6.6 | 50.7 | 80.0 | 15 | 64 | 80.0 | 100.0 | 15 | 64 | 80.0 | 100.0 |
| ACV0250MDAFX | V25-71Y-2NU | 36.5 | 207.0 | 2 | 6.6 | 52.2 | 80.0 | 15 | 64 | 80.0 | 100.0 | 20 | 64 | 80.0 | 100.0 |
| ACV0300MDAFX | V30-84Y-2NU | 48.1 | 231.0 | 3 | 9.9 | 70.0 | 100.0 | 20 | 64 | 90.0 | 125.0 | 20 | 64 | 90.0 | 125.0 |
| ACV0330MDAFX | V35-103Y-2NU | 55.8 | 253.0 | 3 | 9.9 | 79.7 | 125.0 | 20 | 64 | 99.7 | 150.0 | 20 | 64 | 99.7 | 150.0 |
| ACV0350MDAFX | Z35-106Y-2NU | 53.2 | 253.0 | 3 | 9.9 | 76.4 | 125.0 | 20 | 64 | 96.4 | 125.0 | 20 | 96 | 120.0 | 125.0 |
| ACV0400MDAFX | Z40-126Y-2NU | 68.6 | 260.0 | 4 | 13.2 | 99.0 | 150.0 | 20 | 64 | 119.0 | 150.0 | 22 | 64 | 121.0 | 150.0 |
| ACV0500MDAFX | Z50-154Y-2NU | 89.7 | 302.0 | 4 | 13.2 | 125.3 | 200.0 | 20 | 64 | 145.3 | 225.0 | 22 | 64 | 147.3 | 225.0 |

**Notes:**
MCA = Minimum Circuit Ampacity
MOP = Maximum Overcurrent Protection
Ratings shown at 60Hz.
intelliGen™ 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 condensing unit to allow termination on coils that have already defrosted to prevent unnecessary steaming. This option is not needed on intelliGen™ systems wired for a Master / Slave operation.

Mounted Electric Defrost Kits for condensing units include:
Defrost timer, Spring terminals, (1) evaporator fan contactor and:
One (1) defrost heater contactor for 1L and 1H codes
Two (2) defrost heater contactors for 2L and 2H codes
Four (4) defrost heater contactors for 4L and 4H codes
Power is supplied to each intelliGen™/ Beacon II™ evaporator. volt electrical specification.
Each coil terminates its own defrost. Refrigeration will not start until all coils have terminated defrost.
Contact factory for 575 volt electrical specification

# ELECTRICAL DATA

## Medium Temperature - Frascold Compressor Models/460V

| | | | | | | | | Remote Loads: Two Contactors | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Condensing Unit | | | | | | Low Amps "2L" | | | | High Amps "2H" | | | |
| Model | Compressor | Compressor | | Condenser | | Air Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | |
| | | RLA (Each) | LRA (Each) | No. Fans | FLA (Total) | MCA | MOPD | | | MCA | MOPD | | | MCA | MOPD |
| ACV0150MDAFX | S15-52Y-2NU | 32.7 | 113.0 | 2 | 6.6 | 47.5 | 80.0 | 15 | 48 | 62.5 | 90.0 | 15 | 64 | 80.0 | 90.0 |
| ACV0200MDAFX | S20-56Y-2NU | 36.5 | 143.0 | 2 | 6.6 | 52.2 | 80.0 | 15 | 48 | 67.2 | 100.0 | 15 | 64 | 80.0 | 100.0 |
| ACV0220MDAFX | V20-59Y-2NU | 35.3 | 184.0 | 2 | 6.6 | 50.7 | 80.0 | 15 | 48 | 65.7 | 100.0 | 15 | 64 | 80.0 | 100.0 |
| ACV0250MDAFX | V25-71Y-2NU | 36.5 | 207.0 | 2 | 6.6 | 52.2 | 80.0 | 15 | 48 | 67.2 | 100.0 | 15 | 80 | 100.0 | 100.0 |
| ACV0300MDAFX | V30-84Y-2NU | 48.1 | 231.0 | 3 | 9.9 | 70.0 | 100.0 | 15 | 80 | 100.0 | 125.0 | 20 | 96 | 120.0 | 125.0 |
| ACV0330MDAFX | V35-103Y-2NU | 55.8 | 253.0 | 3 | 9.9 | 79.7 | 125.0 | 15 | 80 | 100.0 | 150.0 | 20 | 96 | 120.0 | 150.0 |
| ACV0350MDAFX | Z35-106Y-2NU | 53.2 | 253.0 | 3 | 9.9 | 76.4 | 125.0 | 20 | 80 | 100.0 | 125.0 | 20 | 96 | 120.0 | 125.0 |
| ACV0400MDAFX | Z40-126Y-2NU | 68.6 | 260.0 | 4 | 13.2 | 99.0 | 150.0 | 20 | 80 | 119.0 | 150.0 | 20 | 96 | 120.0 | 150.0 |
| ACV0500MDAFX | Z50-154Y-2NU | 89.7 | 302.0 | 4 | 13.2 | 125.3 | 200.0 | 20 | 80 | 145.3 | 225.0 | 20 | 96 | 145.3 | 225.0 |

| | | | | | | | | Remote Loads: One Contactor | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Condensing Unit | | | | | | Low Amps "1L" | | | | High Amps "1H" | | | |
| Model | Compressor | Compressor | | Condenser | | Air Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | |
| | | RLA (Each) | LRA (Each) | No. Fans | FLA (Total) | MCA | MOPD | | | MCA | MOPD | | | MCA | MOPD |
| ACV0150MDAFX | S15-52Y-2NU | 32.7 | 113.0 | 2 | 6.6 | 47.5 | 80.0 | 15 | 40 | 62.5 | 90.0 | 15 | 48 | 62.5 | 90.0 |
| ACV0200MDAFX | S20-56Y-2NU | 36.5 | 143.0 | 2 | 6.6 | 52.2 | 80.0 | 15 | 40 | 67.2 | 100.0 | 15 | 48 | 67.2 | 100.0 |
| ACV0220MDAFX | V20-59Y-2NU | 35.3 | 184.0 | 2 | 6.6 | 50.7 | 80.0 | 15 | 40 | 65.7 | 100.0 | 15 | 48 | 65.7 | 100.0 |
| ACV0250MDAFX | V25-71Y-2NU | 36.5 | 207.0 | 2 | 6.6 | 52.2 | 80.0 | - | - | - | - | - | - | - | - |
| ACV0300MDAFX | V30-84Y-2NU | 48.1 | 231.0 | 3 | 9.9 | 70.0 | 100.0 | - | - | - | - | - | - | - | - |
| ACV0330MDAFX | V35-103Y-2NU | 55.8 | 253.0 | 3 | 9.9 | 79.7 | 125.0 | - | - | - | - | - | - | - | - |
| ACV0350MDAFX | Z35-106Y-2NU | 53.2 | 253.0 | 3 | 9.9 | 76.4 | 125.0 | - | - | - | - | - | - | - | - |
| ACV0400MDAFX | Z40-126Y-2NU | 68.6 | 260.0 | 4 | 13.2 | 99.0 | 150.0 | - | - | - | - | - | - | - | - |
| ACV0500MDAFX | Z50-154Y-2NU | 89.7 | 302.0 | 4 | 13.2 | 125.3 | 200.0 | - | - | - | - | - | - | - | - |

**Notes:**
MCA = Minimum Circuit Ampacity
MOP = Maximum Overcurrent Protection
Ratings shown at 60Hz.
intelliGen™ 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 condensing unit to allow termination on coils that have already defrosted to prevent unnecessary steaming. This option is not needed on intelliGen™ systems wired for a Master / Slave operation.

Mounted Electric Defrost Kits for condensing units include:
Defrost timer, Spring terminals, (1) evaporator fan contactor and:
One (1) defrost heater contactor for 1L and 1H codes
Two (2) defrost heater contactors for 2L and 2H codes
Four (4) defrost heater contactors for 4L and 4H codes
Power is supplied to each intelliGen™/ Beacon II™ evaporator. volt electrical specification.
Each coil terminates its own defrost. Refrigeration will not start until all coils have terminated defrost.
Contact factory for 575 volt electrical specification

# ELECTRICAL DATA

## Low Temperature - Frascold Compressor Models/208-230V

| | | Remote Loads: Four Contactors | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Condensing Unit | | | | | | Low Amps "4L" | | | | High Amps "4H" | | | |
| Model | Compressor | Compressor | | Condenser | | Air Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | |
| | | RLA (Each) | LRA (Each) | No. Fans | FLA (Total) | MCA | MOPD | | | MCA | MOPD | | | MCA | MOPD |
| ACV0130LCAFX | V15-59Y-2NU | 62.8 | 248.0 | 2 | 13.2 | 91.7 | 150.0 | 22 | 48 | 113.7 | 150.0 | 22 | 64 | 113.7 | 150.0 |
| ACV0150LCAFX | V15-71Y-2NU | 66.7 | 248.0 | 2 | 13.2 | 96.6 | 150.0 | 25 | 64 | 121.6 | 150.0 | 25 | 91 | 121.6 | 150.0 |
| ACV0200LCAFX | V20-84Y-2NU | 63.5 | 367.0 | 2 | 13.2 | 92.6 | 150.0 | 25 | 96 | 120.0 | 150.0 | 25 | 105 | 131.3 | 150.0 |
| ACV0220LCAFX | V25-103Y-2NU | 92.3 | 415.0 | 2 | 13.2 | 128.6 | 200.0 | 25 | 96 | 153.6 | 225.0 | 25 | 105 | 153.6 | 225.0 |
| ACV0250LCAFX | Z25-106Y-2NU | 71.8 | 415.0 | 2 | 13.2 | 103.0 | 150.0 | 25 | 96 | 128.0 | 150.0 | 25 | 108 | 135.0 | 150.0 |
| ACV0300LCAFX | Z30-126Y-2NU | 86.5 | 462.0 | 2 | 13.2 | 121.3 | 200.0 | 30 | 150 | 187.5 | 225.0 | 30 | 181 | 226.3 | 250.0 |
| ACV0400LCAFX | Z40-154Y-2NU | 124.4 | 520.0 | 3 | 19.8 | 175.3 | 250.0 | 30 | 150 | 205.3 | 300.0 | 30 | 181 | 226.3 | 300.0 |

| | | Remote Loads: Three Contactors | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Condensing Unit | | | | | | Low Amps "3L" | | | | High Amps "3H" | | | |
| Model | Compressor | Compressor | | Condenser | | Air Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | |
| | | RLA (Each) | LRA (Each) | No. Fans | FLA (Total) | MCA | MOPD | | | MCA | MOPD | | | MCA | MOPD |
| ACV0130LCAFX | V15-59Y-2NU | 62.8 | 248.0 | 2 | 13.2 | 91.7 | 150.0 | 20 | 40 | 111.7 | 150.0 | 22 | 48 | 113.7 | 150.0 |
| ACV0150LCAFX | V15-71Y-2NU | 66.7 | 248.0 | 2 | 13.2 | 96.6 | 150.0 | 22 | 70 | 118.6 | 150.0 | 25 | 64 | 121.6 | 150.0 |
| ACV0200LCAFX | V20-84Y-2NU | 63.5 | 367.0 | 2 | 13.2 | 92.6 | 150.0 | 20 | 85 | 112.6 | 150.0 | 25 | 96 | 120.0 | 150.0 |
| ACV0220LCAFX | V25-103Y-2NU | 92.3 | 415.0 | 2 | 13.2 | 128.6 | 200.0 | 20 | 85 | 148.6 | 225.0 | 25 | 96 | 153.6 | 225.0 |
| ACV0250LCAFX | Z25-106Y-2NU | 71.8 | 415.0 | 2 | 13.2 | 103.0 | 150.0 | 20 | 80 | 123.0 | 150.0 | 25 | 96 | 128.0 | 150.0 |
| ACV0300LCAFX | Z30-126Y-2NU | 86.5 | 462.0 | 2 | 13.2 | 121.3 | 200.0 | 20 | 96 | 141.3 | 225.0 | 25 | 96 | 146.3 | 225.0 |
| ACV0400LCAFX | Z40-154Y-2NU | 124.4 | 520.0 | 3 | 19.8 | 175.3 | 250.0 | 20 | 96 | 195.3 | 300.0 | 25 | 96 | 200.3 | 300.0 |

# ELECTRICAL DATA

## Low Temperature - Frascold Compressor Models/208-230V

| Model | Compressor | Condensing Unit | | | | | | Remote Loads: Two Contactors | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Low Amps "2L" | | | | High Amps "2H" | | | |
| | | Compressor | | Condenser | | Air Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | |
| | | RLA (Each) | LRA (Each) | No. Fans | FLA (Total) | MCA | MOPD | | | MCA | MOPD | | | MCA | MOPD |
| ACV0130LCAFX | V15-59Y-2NU | 62.8 | 248.0 | 2 | 13.2 | 91.7 | 150.0 | 15 | 34 | 106.7 | 150.0 | 20 | 74 | 111.7 | 150.0 |
| ACV0150LCAFX | V15-71Y-2NU | 66.7 | 248.0 | 2 | 13.2 | 96.6 | 150.0 | 20 | 80 | 116.6 | 150.0 | 20 | 91 | 116.6 | 150.0 |
| ACV0200LCAFX | V20-84Y-2NU | 63.5 | 367.0 | 2 | 13.2 | 92.6 | 150.0 | 20 | 80 | 112.6 | 150.0 | 20 | 96 | 120.0 | 150.0 |
| ACV0220LCAFX | V25-103Y-2NU | 92.3 | 415.0 | 2 | 13.2 | 128.6 | 200.0 | 20 | 80 | 148.6 | 225.0 | 20 | 96 | 148.6 | 225.0 |
| ACV0250LCAFX | Z25-106Y-2NU | 71.8 | 415.0 | 2 | 13.2 | 103.0 | 150.0 | 20 | 80 | 123.0 | 150.0 | 20 | 96 | 123.0 | 150.0 |
| ACV0300LCAFX | Z30-126Y-2NU | 86.5 | 462.0 | 2 | 13.2 | 121.3 | 200.0 | 20 | 80 | 141.3 | 225.0 | 20 | 96 | 141.3 | 225.0 |
| ACV0400LCAFX | Z40-154Y-2NU | 124.4 | 520.0 | 3 | 19.8 | 175.3 | 250.0 | 20 | 80 | 195.3 | 300.0 | 20 | 96 | 195.3 | 300.0 |

| Model | Compressor | Condensing Unit | | | | | | Remote Loads: One Contactor | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Low Amps "1L" | | | | High Amps "1H" | | | |
| | | Compressor | | Condenser | | Air Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | |
| | | RLA (Each) | LRA (Each) | No. Fans | FLA (Total) | MCA | MOPD | | | MCA | MOPD | | | MCA | MOPD |
| ACV0130LCAFX | V15-59Y-2NU | 62.8 | 248.0 | 2 | 13.2 | 91.7 | 150.0 | 15 | 40 | 106.7 | 150.0 | 15 | 48 | 106.7 | 150.0 |
| ACV0150LCAFX | V15-71Y-2NU | 66.7 | 248.0 | 2 | 13.2 | 96.6 | 150.0 | 15 | 40 | 111.6 | 150.0 | 15 | 48 | 111.6 | 150.0 |
| ACV0200LCAFX | V20-84Y-2NU | 63.5 | 367.0 | 2 | 13.2 | 92.6 | 150.0 | 15 | 40 | 107.6 | 150.0 | 15 | 48 | 107.6 | 150.0 |
| ACV0220LCAFX | V25-103Y-2NU | 92.3 | 415.0 | 2 | 13.2 | 128.6 | 200.0 | 15 | 40 | 143.6 | 225.0 | 15 | 48 | 143.6 | 225.0 |
| ACV0250LCAFX | Z25-106Y-2NU | 71.8 | 415.0 | 2 | 13.2 | 103.0 | 150.0 | - | - | - | - | - | - | - | 150.0 |
| ACV0300LCAFX | Z30-126Y-2NU | 86.5 | 462.0 | 2 | 13.2 | 121.3 | 200.0 | - | - | - | - | - | - | - | 250.0 |
| ACV0400LCAFX | Z40-154Y-2NU | 124.4 | 520.0 | 3 | 19.8 | 175.3 | 250.0 | - | - | - | - | - | - | - | 300.0 |

# ELECTRICAL DATA

## Low Temperature - Frascold Compressor Models/460V

| Model | Compressor | Condensing Unit | | | | | | Remote Loads: Four Contactors | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Low Amps "4L" | | | | High Amps "4H" | | | |
| | | Compressor | | Condenser | | Air Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | |
| | | RLA (Each) | LRA (Each) | No. Fans | FLA (Total) | MCA | MOPD | | | MCA | MOPD | | | MCA | MOPD |
| ACV0130LDAFX | V15-59Y-2NU | 29.5 | 121.0 | 2 | 6.6 | 43.5 | 70.0 | - | - | - | - | - | - | - | - |
| ACV0150LDAFX | V15-71Y-2NU | 35.3 | 121.0 | 2 | 6.6 | 50.7 | 80.0 | 15 | 48 | 65.7 | 100.0 | 15 | 48 | 65.7 | 100.0 |
| ACV0200LDAFX | V20-84Y-2NU | 31.4 | 184.0 | 2 | 6.6 | 45.9 | 70.0 | 15 | 48 | 60.9 | 90.0 | 15 | 48 | 60.9 | 90.0 |
| ACV0220LDAFX | V25-103Y-2NU | 43.6 | 207.0 | 2 | 6.6 | 61.1 | 100.0 | 15 | 48 | 76.1 | 100.0 | 15 | 48 | 76.1 | 100.0 |
| ACV0250LDAFX | Z25-106Y-2NU | 38.5 | 207.0 | 2 | 6.6 | 54.7 | 90.0 | 15 | 48 | 69.7 | 100.0 | 15 | 64 | 80.0 | 100.0 |
| ACV0300LDAFX | Z30-126Y-2NU | 42.9 | 231.0 | 2 | 6.6 | 60.2 | 100.0 | 20 | 64 | 80.2 | 100.0 | 20 | 91 | 113.8 | 125.0 |
| ACV0400LDAFX | Z40-154Y-2NU | 59.6 | 260.0 | 3 | 9.9 | 84.4 | 125.0 | 20 | 64 | 104.4 | 150.0 | 20 | 91 | 113.8 | 150.0 |

| Model | Compressor | Condensing Unit | | | | | | Remote Loads: Three Contactors | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Low Amps "3L" | | | | High Amps "3H" | | | |
| | | Compressor | | Condenser | | Air Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | |
| | | RLA (Each) | LRA (Each) | No. Fans | FLA (Total) | MCA | MOPD | | | MCA | MOPD | | | MCA | MOPD |
| ACV0130LDAFX | V15-59Y-2NU | 29.5 | 121.0 | 2 | 6.6 | 43.5 | 70.0 | 15 | 22 | 58.5 | 80.0 | 20 | 22 | 63.5 | 90.0 |
| ACV0150LDAFX | V15-71Y-2NU | 35.3 | 121.0 | 2 | 6.6 | 50.7 | 80.0 | 15 | 32 | 65.7 | 100.0 | 15 | 48 | 65.7 | 100.0 |
| ACV0200LDAFX | V20-84Y-2NU | 31.4 | 184.0 | 2 | 6.6 | 45.9 | 70.0 | 15 | 48 | 60.9 | 90.0 | 15 | 48 | 60.9 | 90.0 |
| ACV0220LDAFX | V25-103Y-2NU | 43.6 | 207.0 | 2 | 6.6 | 61.1 | 100.0 | 15 | 48 | 76.1 | 100.0 | 15 | 48 | 76.1 | 100.0 |
| ACV0250LDAFX | Z25-106Y-2NU | 38.5 | 207.0 | 2 | 6.6 | 54.7 | 90.0 | 15 | 48 | 69.7 | 100.0 | 15 | 64 | 80.0 | 100.0 |
| ACV0300LDAFX | Z30-126Y-2NU | 42.9 | 231.0 | 2 | 6.6 | 60.2 | 100.0 | 15 | 64 | 80.0 | 100.0 | 22 | 64 | 82.2 | 125.0 |
| ACV0400LDAFX | Z40-154Y-2NU | 59.6 | 260.0 | 3 | 9.9 | 84.4 | 125.0 | 15 | 64 | 99.4 | 150.0 | 22 | 64 | 106.4 | 150.0 |

**Notes:**
MCA = Minimum Circuit Ampacity
MOP = Maximum Overcurrent Protection
Ratings shown at 60Hz.
intelliGen™ 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 condensing unit to allow termination on coils that have already defrosted to prevent unnecessary steaming. This option is not needed on intelliGen™ systems wired for a Master / Slave operation.

Mounted Electric Defrost Kits for condensing units include:
Defrost timer, Spring terminals, (1) evaporator fan contactor and:
One (1) defrost heater contactor for 1L and 1H codes
Two (2) defrost heater contactors for 2L and 2H codes
Four (4) defrost heater contactors for 4L and 4H codes
Power is supplied to each intelliGen™/ Beacon II™ evaporator. volt electrical specification.
Each coil terminates its own defrost. Refrigeration will not start until all coils have terminated defrost.
Contact factory for 575 volt electrical specification

# ELECTRICAL DATA

## Low Temperature - Frascold Compressor Models/460V

| Model | Compressor | Remote Loads: Two Contactors | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Condensing Unit | | | | | | Low Amps "2L" | | | | High Amps "2H" | | | |
| | | Compressor | | Condenser | | Air Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | |
| | | RLA (Each) | LRA (Each) | No. Fans | FLA (Total) | MCA | MOPD | | | MCA | MOPD | | | MCA | MOPD |
| ACV0130LDAFX | V15-59Y-2NU | 29.5 | 121.0 | 2 | 6.6 | 43.5 | 70.0 | 10 | 19 | 53.5 | 80.0 | 15 | 38 | 58.5 | 80.0 |
| ACV0150LDAFX | V15-71Y-2NU | 35.3 | 121.0 | 2 | 6.6 | 50.7 | 80.0 | 15 | 32 | 65.7 | 100.0 | 15 | 48 | 65.7 | 100.0 |
| ACV0200LDAFX | V20-84Y-2NU | 31.4 | 184.0 | 2 | 6.6 | 45.9 | 70.0 | 15 | 48 | 60.9 | 90.0 | 15 | 64 | 80.0 | 90.0 |
| ACV0220LDAFX | V25-103Y-2NU | 43.6 | 207.0 | 2 | 6.6 | 61.1 | 100.0 | 15 | 48 | 76.1 | 100.0 | 15 | 64 | 80.0 | 100.0 |
| ACV0250LDAFX | Z25-106Y-2NU | 38.5 | 207.0 | 2 | 6.6 | 54.7 | 90.0 | 15 | 48 | 69.7 | 100.0 | 15 | 64 | 80.0 | 100.0 |
| ACV0300LDAFX | Z30-126Y-2NU | 42.9 | 231.0 | 2 | 6.6 | 60.2 | 100.0 | 15 | 48 | 75.2 | 100.0 | 15 | 80 | 100.0 | 100.0 |
| ACV0400LDAFX | Z40-154Y-2NU | 59.6 | 260.0 | 3 | 9.9 | 84.4 | 125.0 | 15 | 48 | 99.4 | 150.0 | 15 | 80 | 100.0 | 150.0 |

| Model | Compressor | Remote Loads: One Contactor | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Condensing Unit | | | | | | Low Amps "1L" | | | | High Amps "1H" | | | |
| | | Compressor | | Condenser | | Air Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | |
| | | RLA (Each) | LRA (Each) | No. Fans | FLA (Total) | MCA | MOPD | | | MCA | MOPD | | | MCA | MOPD |
| ACV0130LDAFX | V15-59Y-2NU | 29.5 | 121.0 | 2 | 6.6 | 43.5 | 70.0 | 10 | 19 | 53.5 | 80.0 | 10 | 24 | 53.5 | 80.0 |
| ACV0150LDAFX | V15-71Y-2NU | 35.3 | 121.0 | 2 | 6.6 | 50.7 | 80.0 | 15 | 24 | 65.7 | 100.0 | 15 | 40 | 65.7 | 100.0 |
| ACV0200LDAFX | V20-84Y-2NU | 31.4 | 184.0 | 2 | 6.6 | 45.9 | 70.0 | 15 | 40 | 60.9 | 90.0 | 15 | 48 | 60.9 | 90.0 |
| ACV0220LDAFX | V25-103Y-2NU | 43.6 | 207.0 | 2 | 6.6 | 61.1 | 100.0 | 15 | 40 | 76.1 | 100.0 | 15 | 48 | 76.1 | 100.0 |
| ACV0250LDAFX | Z25-106Y-2NU | 38.5 | 207.0 | 2 | 6.6 | 54.7 | 90.0 | 15 | 40 | 69.7 | 100.0 | 15 | 48 | 69.7 | 100.0 |
| ACV0300LDAFX | Z30-126Y-2NU | 42.9 | 231.0 | 2 | 6.6 | 60.2 | 100.0 | 15 | 40 | 75.2 | 100.0 | 15 | 48 | 75.2 | 100.0 |
| ACV0400LDAFX | Z40-154Y-2NU | 59.6 | 260.0 | 3 | 9.9 | 84.4 | 125.0 | 15 | 40 | 99.4 | 150.0 | 15 | 48 | 99.4 | 150.0 |

**Notes:**
MCA = Minimum Circuit Ampacity
MOP = Maximum Overcurrent Protection
Ratings shown at 60Hz.
intelliGen™ 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 condensing unit to allow termination on coils that have already defrosted to prevent unnecessary steaming. This option is not needed on intelliGen™ systems wired for a Master / Slave operation.

Mounted Electric Defrost Kits for condensing units include:
Defrost timer, Spring terminals, (1) evaporator fan contactor and:
One (1) defrost heater contactor for 1L and 1H codes
Two (2) defrost heater contactors for 2L and 2H codes
Four (4) defrost heater contactors for 4L and 4H codes
Power is supplied to each intelliGen™/ Beacon II™ evaporator. volt electrical specification.
Each coil terminates its own defrost. Refrigeration will not start until all coils have terminated defrost.
Contact factory for 575 volt electrical specification

MAGNA
INDUSTRIAL REFRIGERATION

# 24-100 HP DUAL VERTICAL AIR-COOLED CONDENSING UNIT

# PERFORMANCE DATA – R-404A/R-507A

## Low Temperature - Dual Copeland Compressor Models

| R-404A/R-507A | | Capacity BTUH @ 90°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| ACD0240L^ACD | 4DBNF54KE | 212,600 | 190,200 | 169,720 | 150,900 | 133,440 | 117,160 | 101,820 | 86,960 | 72,360 |
| ACD0300L^ACD | 4DHNF63KE | 248,540 | 223,360 | 200,180 | 178,540 | 158,540 | 139,660 | 121,860 | 104,720 | 87,980 |
| ACD0440L^ACD | 4DJNF76KE | 289,560 | 262,980 | 237,320 | 212,740 | 189,180 | 166,840 | 145,440 | 124,760 | 104,840 |
| ACD0540L^ACD | 6DHNF93KE | 355,820 | 323,420 | 291,300 | 260,020 | 229,340 | 200,340 | 173,360 | 148,180 | 125,480 |
| ACD0600L^ACD | 6DJNF11ME | 387,340 | 352,120 | 318,620 | 285,640 | 254,140 | 223,520 | 194,900 | 168,020 | 142,920 |

| R-404A/R-507A | | Capacity BTUH @ 95°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| **ACD0240L^ACD** | **4DBNF54KE** | **203,840** | **182,440** | **162,880** | **144,660** | **127,740** | **111,840** | **96,760** | **81,980** | **67,400** |
| **ACD0300L^ACD** | **4DHNF63KE** | **237,860** | **213,680** | **191,300** | **170,520** | **151,020** | **132,700** | **115,420** | **98,740** | **82,360** |
| **ACD0440L^ACD** | **4DJNF76KE** | **277,260** | **251,520** | **226,960** | **203,100** | **180,320** | **158,680** | **137,840** | **117,680** | **98,020** |
| **ACD0540L^ACD** | **6DHNF93KE** | **339,720** | **308,800** | **278,180** | **248,160** | **218,420** | **190,400** | **164,200** | **139,620** | **117,220** |
| **ACD0600L^ACD** | **6DJNF11ME** | **----** | **335,360** | **303,500** | **272,160** | **242,020** | **212,440** | **184,840** | **158,820** | **134,240** |

| R-404A/R-507A | | Capacity BTUH @ 100°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| ACD0240L^ACD | 4DBNF54KE | 194,980 | 174,560 | 155,840 | 138,300 | 121,880 | 106,360 | 91,440 | 76,820 | 62,240 |
| ACD0300L^ACD | 4DHNF63KE | 227,620 | 204,300 | 182,780 | 162,700 | 143,860 | 126,100 | 109,300 | 93,080 | 77,160 |
| ACD0440L^ACD | 4DJNF76KE | 264,800 | 240,220 | 216,700 | 193,560 | 171,680 | 150,500 | 130,180 | 110,460 | 91,120 |
| ACD0540L^ACD | 6DHNF93KE | 323,260 | 294,080 | 264,860 | 236,080 | 207,920 | 180,360 | 154,920 | 131,040 | 109,020 |
| ACD0600L^ACD | 6DJNF11ME | - | - | 288,240 | 259,080 | 229,800 | 201,820 | 174,980 | 149,500 | 125,500 |

| R-404A/R-507A | | Capacity BTUH @ 110°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| ACD0240L^ACD | 4DBNF54KE | 176,660 | 158,380 | 141,200 | 124,940 | 109,500 | 94,600 | 80,140 | 65,760 | 51,380 |
| ACD0300L^ACD | 4DHNF63KE | 207,400 | 186,280 | 166,660 | 148,040 | 130,520 | 113,960 | 98,180 | 82,860 | 67,820 |
| ACD0440L^ACD | 4DJNF76KE | - | - | - | 174,820 | 154,200 | 134,160 | 114,600 | 95,560 | 76,840 |
| ACD0540L^ACD | 6DHNF93KE | - | - | - | - | - | 160,360 | 136,400 | 113,520 | 92,520 |
| ACD0600L^ACD | 6DJNF11ME | - | - | - | - | - | - | 155,000 | 131,060 | 107,960 |

**Notes:**

*DEMAND COOLING IS REQUIRED FOR OPERATION AT LOW TEMPERATURE APPLICATIONS*

^ C =208-230/3/60, D = 460/3/60, E = 575/3/60

# PERFORMANCE DATA – R-448A/R-449A

## Low Temperature - Dual Copeland Compressor Models

| R-448A/R-449A | | Capacity BTUH @ 90°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| ACD0240L^ACD | 4DBNF54KE | 198,420 | 175,140 | 153,380 | 132,900 | 114,000 | 96,740 | 81,200 | 67,460 | 55,540 |
| ACD0300L^ACD | 4DHNF63KE | 225,580 | 200,640 | 177,160 | 155,100 | 134,800 | 116,180 | 99,580 | 84,980 | 72,500 |
| ACD0440L^ACD | 4DJNF76KE | 280,120 | 246,060 | 215,860 | 188,340 | 163,760 | 141,040 | 119,780 | 99,000 | 78,320 |
| ACD0540L^ACD | 6DHNF93KE | 325,040 | 287,020 | 251,440 | 218,600 | 188,600 | 161,140 | 136,380 | 113,300 | 91,920 |
| ACD0600L^ACD | 6DJNF11ME | 387,640 | 343,000 | 301,460 | 263,140 | 226,840 | 194,040 | 163,820 | 135,340 | 108,440 |

| R-448A/R-449A | | Capacity BTUH @ 95°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| **ACD0240L^ACD** | **4DBNF54KE** | **190,440** | **167,880** | **146,800** | **126,900** | **108,460** | **91,620** | **76,380** | **62,860** | **51,180** |
| **ACD0300L^ACD** | **4DHNF63KE** | **216,580** | **192,600** | **169,900** | **148,600** | **128,820** | **110,740** | **94,600** | **80,300** | **68,160** |
| **ACD0440L^ACD** | **4DJNF76KE** | **269,220** | **235,840** | **206,400** | **179,640** | **155,600** | **133,320** | **112,420** | **91,920** | **71,520** |
| **ACD0540L^ACD** | **6DHNF93KE** | **311,480** | **274,680** | **240,060** | **207,920** | **178,760** | **152,140** | **127,660** | **104,960** | **83,720** |
| **ACD0600L^ACD** | **6DJNF11ME** | **370,640** | **327,440** | **287,080** | **249,440** | **214,560** | **182,320** | **152,760** | **124,720** | **98,160** |

| R-448A/R-449A | | Capacity BTUH @ 100°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| ACD0240L^ACD | 4DBNF54KE | 182,200 | 160,500 | 139,920 | 120,580 | 102,640 | 86,120 | 71,280 | 58,000 | 46,500 |
| ACD0300L^ACD | 4DHNF63KE | 207,580 | 184,400 | 162,580 | 141,880 | 122,700 | 105,140 | 89,460 | 75,540 | 63,660 |
| ACD0440L^ACD | 4DJNF76KE | 258,240 | 225,760 | 197,000 | 170,820 | 147,320 | 125,460 | 104,920 | 84,740 | 64,580 |
| ACD0540L^ACD | 6DHNF93KE | 297,320 | 261,360 | 228,200 | 197,280 | 168,400 | 142,440 | 118,400 | 95,960 | 74,840 |
| ACD0600L^ACD | 6DJNF11ME | 352,900 | 311,040 | 272,120 | 235,520 | 201,620 | 170,320 | 141,060 | 113,520 | 86,900 |

| R-448A/R-449A | | Capacity BTUH @ 110°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| ACD0240L^ACD | 4DBNF54KE | 165,180 | 144,760 | 125,460 | 107,240 | 90,160 | 74,520 | 60,340 | 47,660 | 36,360 |
| ACD0300L^ACD | 4DHNF63KE | 189,340 | 167,780 | 147,460 | 128,140 | 110,140 | 93,660 | 78,780 | 65,640 | 54,420 |
| ACD0440L^ACD | 4DJNF76KE | 235,960 | 205,260 | 177,980 | 153,240 | 130,540 | 109,520 | 89,500 | 70,000 | 50,600 |
| ACD0540L^ACD | 6DHNF93KE | 267,680 | 234,060 | 202,840 | 173,300 | 146,460 | 121,460 | 98,200 | 76,200 | - |
| ACD0600L^ACD | 6DJNF11ME | - | - | 240,520 | 206,460 | 173,760 | 144,020 | 115,980 | 88,840 | - |

**Notes:**

*DEMAND COOLING IS REQUIRED FOR OPERATION AT LOW TEMPERATURE APPLICATIONS*

^ C =208-230/3/60, D = 460/3/60, E = 575/3/60

# PERFORMANCE DATA – R-407A/R-407F

## Low Temperature - Dual Copeland Compressor Models

| R-407A/R-407F | | Capacity BTUH @ 90°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| ACD0240L^ACD | 4DBNF54KE | 203,480 | 180,160 | 157,940 | 136,980 | 117,320 | 99,120 | 82,460 | 67,180 | 53,540 |
| ACD0300L^ACD | 4DHNF63KE | 230,800 | 205,760 | 182,080 | 159,540 | 138,540 | 118,840 | 100,760 | 84,160 | 69,200 |
| ACD0440L^ACD | 4DJNF76KE | 288,200 | 253,780 | 222,060 | 192,680 | 166,200 | 143,040 | 122,860 | 105,840 | 92,160 |
| ACD0540L^ACD | 6DHNF93KE | 328,240 | 291,160 | 256,060 | 223,140 | 192,780 | 164,260 | 137,680 | 112,040 | 87,180 |
| ACD0600L^ACD | 6DJNF11ME | 389,620 | 346,300 | 305,760 | 267,800 | 231,500 | 197,380 | 165,320 | 134,540 | 104,560 |

| R-407A/R-407F | | Capacity BTUH @ 95°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| **ACD0240L^ACD** | **4DBNF54KE** | **194,840** | **172,020** | **150,740** | **130,420** | **111,360** | **93,680** | **77,380** | **62,540** | **49,200** |
| **ACD0300L^ACD** | **4DHNF63KE** | **221,060** | **196,920** | **174,060** | **152,380** | **132,080** | **113,060** | **95,480** | **79,360** | **64,740** |
| **ACD0440L^ACD** | **4DJNF76KE** | **275,800** | **242,400** | **211,500** | **183,180** | **158,040** | **135,740** | **116,620** | **100,680** | **88,160** |
| **ACD0540L^ACD** | **6DHNF93KE** | **313,640** | **277,420** | **243,880** | **212,280** | **182,340** | **154,760** | **128,620** | **103,520** | **78,980** |
| **ACD0600L^ACD** | **6DJNF11ME** | **371,300** | **329,540** | **290,420** | **253,700** | **218,040** | **185,000** | **154,000** | **123,860** | **94,520** |

| R-407A/R-407F | | Capacity BTUH @ 100°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| ACD0240L^ACD | 4DBNF54KE | 185,640 | 163,840 | 143,300 | 123,640 | 105,160 | 87,980 | 72,100 | 57,620 | 44,640 |
| ACD0300L^ACD | 4DHNF63KE | 211,040 | 187,900 | 166,000 | 145,240 | 125,520 | 107,060 | 90,060 | 74,420 | 60,160 |
| ACD0440L^ACD | 4DJNF76KE | 263,160 | 230,780 | 200,780 | 173,640 | 149,540 | 128,240 | 110,180 | 95,340 | 83,920 |
| ACD0540L^ACD | 6DHNF93KE | 298,600 | 263,640 | 231,220 | 200,400 | 171,320 | 144,540 | 119,040 | 94,460 | 70,320 |
| ACD0600L^ACD | 6DJNF11ME | 353,520 | 312,480 | 274,500 | 238,980 | 204,300 | 172,180 | 141,980 | 112,560 | 83,500 |

| R-407A/R-407F | | Capacity BTUH @ 110°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| ACD0240L^ACD | 4DBNF54KE | 167,000 | 146,980 | 127,700 | 109,340 | 92,020 | 75,740 | 60,820 | 47,160 | 34,760 |
| ACD0300L^ACD | 4DHNF63KE | 191,120 | 169,940 | 149,820 | 130,400 | 112,060 | 94,840 | 78,880 | 64,080 | 50,660 |
| ACD0440L^ACD | 4DJNF76KE | 237,260 | 207,000 | 179,160 | 154,260 | 131,980 | 112,720 | 96,740 | 84,000 | 74,660 |
| ACD0540L^ACD | 6DHNF93KE | 267,280 | 234,800 | 204,360 | 175,180 | 148,320 | 122,680 | 98,060 | 74,460 | 51,360 |
| ACD0600L^ACD | 6DJNF11ME | - | - | 241,060 | 207,680 | 175,400 | 145,260 | 116,340 | 87,820 | 60,080 |

**Notes:**

*LOW SUCTION TEMPERATURE APPLICATIONS IN THESE RANGES REQUIRE THE ADDITION OF A HEAD FAN*

^ C =208-230/3/60, D = 460/3/60, E = 575/3/60

# PERFORMANCE DATA – R-407C

## Low Temperature - Dual Copeland Compressor Models

| R-407C | | Capacity BTUH @ 90°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| ACD0240L^ACD | 4DBNF54KE | 175,920 | 153,240 | 132,560 | 113,600 | 96,480 | 81,120 | 67,220 | 54,780 | 43,560 |
| ACD0300L^ACD | 4DHNF63KE | 200,200 | 175,600 | 153,160 | 132,700 | 114,100 | 97,360 | 82,360 | 68,700 | 56,220 |
| ACD0440L^ACD | 4DJNF76KE | 232,880 | 202,920 | 176,640 | 153,620 | 133,240 | 115,060 | 98,460 | 82,800 | 67,500 |
| ACD0540L^ACD | 6DHNF93KE | 287,560 | 254,480 | 222,140 | 191,100 | 162,140 | 135,320 | 110,880 | 89,720 | 71,540 |
| ACD0600L^ACD | 6DJNF11ME | 334,980 | 296,280 | 259,360 | 223,620 | 190,160 | 159,580 | 131,980 | 107,120 | 86,100 |

| R-407C | | Capacity BTUH @ 95°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| **ACD0240L^ACD** | **4DBNF54KE** | **169,200** | **147,060** | **126,880** | **108,320** | **91,580** | **76,540** | **62,920** | **50,740** | **39,660** |
| **ACD0300L^ACD** | **4DHNF63KE** | **192,600** | **168,660** | **146,800** | **126,860** | **108,700** | **92,380** | **77,760** | **64,360** | **52,260** |
| **ACD0440L^ACD** | **4DJNF76KE** | **224,940** | **195,800** | **170,460** | **148,020** | **128,180** | **110,380** | **94,180** | **78,780** | **63,700** |
| **ACD0540L^ACD** | **6DHNF93KE** | **276,760** | **244,520** | **212,600** | **182,280** | **153,820** | **127,120** | **103,240** | **81,840** | **63,680** |
| **ACD0600L^ACD** | **6DJNF11ME** | **321,580** | **283,920** | **247,960** | **213,020** | **180,180** | **150,280** | **122,800** | **98,600** | **77,400** |

| R-407C | | Capacity BTUH @ 100°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| ACD0240L^ACD | 4DBNF54KE | 162,220 | 140,640 | 120,820 | 102,780 | 86,480 | 71,740 | 58,360 | 46,360 | 35,560 |
| ACD0300L^ACD | 4DHNF63KE | 184,800 | 161,540 | 140,240 | 120,720 | 103,100 | 87,180 | 72,940 | 59,860 | 48,040 |
| ACD0440L^ACD | 4DJNF76KE | 216,420 | 188,280 | 163,800 | 142,060 | 122,800 | 105,400 | 89,560 | 74,500 | 59,500 |
| ACD0540L^ACD | 6DHNF93KE | 265,860 | 234,300 | 203,120 | 173,160 | 145,240 | 118,780 | 95,200 | 73,940 | 55,620 |
| ACD0600L^ACD | 6DJNF11ME | 308,080 | 271,420 | 236,360 | 202,000 | 169,900 | 140,680 | 113,520 | 89,660 | 68,660 |

| R-407C | | Capacity BTUH @ 110°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| ACD0240L^ACD | 4DBNF54KE | 147,360 | 126,740 | 107,980 | 90,780 | 75,340 | 61,140 | 48,420 | 36,940 | 26,480 |
| ACD0300L^ACD | 4DHNF63KE | 168,780 | 146,640 | 126,480 | 107,960 | 91,240 | 76,240 | 62,600 | 50,180 | 38,840 |
| ACD0440L^ACD | 4DJNF76KE | 197,440 | 171,360 | 148,700 | 128,380 | 110,100 | 93,660 | 78,600 | 64,040 | 49,500 |
| ACD0540L^ACD | 6DHNF93KE | 243,720 | 213,560 | 183,580 | 154,920 | 127,240 | 101,780 | 78,320 | 57,160 | 38,800 |
| ACD0600L^ACD | 6DJNF11ME | - | 246,060 | 212,680 | 179,840 | 149,400 | 120,480 | 94,540 | 70,640 | 49,860 |

**Notes:**

*DEMAND COOLING IS REQUIRED FOR OPERATION AT LOW TEMPERATURE APPLICATIONS*

^ C =208-230/3/60, D = 460/3/60, E = 575/3/60

# PERFORMANCE DATA – R-404A/R-507A

## Medium Temperature - Dual Copeland Compressor Models

| R-404A/R-507A | | Capacity BTUH @ 90°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 40°F | 35°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F | -10°F |
| ACD0300M^ACD | 3DS3R17ME | 413,580 | 380,840 | 349,500 | 319,220 | 290,380 | 263,440 | 237,980 | 192,220 | 152,000 |
| ACD0400M^ACD | 4DBNR20ME | 486,440 | 452,560 | 418,100 | 383,400 | 349,780 | 317,580 | 286,860 | 230,900 | 186,840 |
| ACD0500M^ACD | 4DHNR22ME | 515,080 | 480,020 | 444,460 | 408,540 | 373,440 | 338,760 | 306,100 | 247,020 | 200,320 |
| ACD0520M^ACD | 4DHNR22ME | 522,300 | 485,660 | 448,680 | 411,220 | 375,400 | 340,680 | 307,800 | 247,680 | 200,800 |
| ACD0600M^ACD | 4DJNR28ME | 647,360 | 597,500 | 549,180 | 501,640 | 457,100 | 414,640 | 374,420 | 300,300 | 236,620 |
| ACD0700M^ACD | 6DHNR35ME | 804,020 | 743,220 | 684,080 | 625,980 | 571,400 | 520,040 | 471,460 | 381,300 | - |
| ACD0800M*ACD | 6DJNR40ME | 934,000 | 866,080 | 799,340 | 733,380 | 671,140 | 611,520 | 555,060 | 450,640 | - |

| R-404A/R-507A | | Capacity BTUH @ 95°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 40°F | 35°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F | -10°F |
| **ACD0300M^ACD** | **3DS3R17ME** | **395,060** | **363,620** | **333,580** | **305,360** | **278,020** | **252,540** | **228,180** | **184,440** | **145,800** |
| **ACD0400M^ACD** | **4DBNR20ME** | **463,400** | **431,220** | **398,700** | **366,380** | **333,820** | **303,040** | **273,660** | **220,180** | **178,160** |
| **ACD0500M^ACD** | **4DHNR22ME** | **490,420** | **456,120** | **423,340** | **389,600** | **355,300** | **323,160** | **292,360** | **235,920** | **191,060** |
| **ACD0520M^ACD** | **4DHNR22ME** | **498,120** | **463,380** | **428,220** | **392,540** | **358,340** | **325,240** | **293,660** | **236,220** | **191,520** |
| **ACD0600M^ACD** | **4DJNR28ME** | **615,440** | **568,680** | **522,760** | **477,860** | **435,540** | **395,740** | **356,900** | **286,680** | **226,320** |
| **ACD0700M^ACD** | **6DHNR35ME** | **764,560** | **707,460** | **651,520** | **596,200** | **545,180** | **496,300** | **450,000** | **363,680** | **-** |
| **ACD0800M*ACD** | **6DJNR40ME** | **889,300** | **825,360** | **762,360** | **699,880** | **640,900** | **584,320** | **530,420** | **430,560** | **-** |

| R-404A/R-507A | | Capacity BTUH @ 100°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 40°F | 35°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F | -10°F |
| ACD0300M^ACD | 3DS3R17ME | 375,040 | 346,760 | 318,080 | 291,440 | 265,480 | 241,300 | 218,380 | 176,700 | 139,660 |
| ACD0400M^ACD | 4DBNR20ME | 440,200 | 410,060 | 379,380 | 347,860 | 317,900 | 289,020 | 260,580 | 209,560 | 169,520 |
| ACD0500M^ACD | 4DHNR22ME | 464,360 | 434,400 | 402,580 | 370,740 | 338,220 | 307,640 | 278,320 | 224,340 | 182,000 |
| ACD0520M^ACD | 4DHNR22ME | 473,920 | 441,140 | 407,840 | 373,980 | 341,460 | 309,860 | 279,680 | 224,880 | 182,360 |
| ACD0600M^ACD | 4DJNR28ME | 583,620 | 539,440 | 496,400 | 453,900 | 414,080 | 376,320 | 339,900 | 273,440 | 216,180 |
| ACD0700M^ACD | 6DHNR35ME | 724,760 | 670,960 | 618,620 | 566,640 | 518,400 | 472,960 | 428,240 | 346,060 | - |
| ACD0800M*ACD | 6DJNR40ME | 844,100 | 784,060 | 724,840 | 665,900 | 610,180 | 557,400 | 505,480 | 410,540 | - |

| R-404A/R-507A | | Capacity BTUH @ 110°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 40°F | 35°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F | -10°F |
| ACD0300M^ACD | 3DS3R17ME | 337,140 | 311,160 | 287,240 | 263,420 | 240,960 | 219,200 | 198,740 | 161,320 | 127,520 |
| ACD0400M^ACD | 4DBNR20ME | - | - | - | 312,960 | 286,200 | 260,260 | 234,620 | 188,580 | 152,380 |
| ACD0500M^ACD | 4DHNR22ME | - | - | - | 332,540 | 304,100 | 276,820 | 250,420 | 201,800 | 163,700 |
| ACD0520M^ACD | 4DHNR22ME | - | - | 367,120 | 336,960 | 307,820 | 279,720 | 252,240 | 202,800 | 164,140 |
| ACD0600M^ACD | 4DJNR28ME | - | 480,960 | 442,120 | 405,980 | 371,440 | 337,660 | 304,880 | 246,740 | 196,340 |
| ACD0700M^ACD | 6DHNR35ME | - | - | 549,640 | 506,200 | 463,780 | 423,560 | 384,020 | 310,920 | - |
| ACD0800M*ACD | 6DJNR40ME | - | - | 647,520 | 595,800 | 546,980 | 500,320 | 454,500 | 370,160 | - |

**Notes:**

*LOW SUCTION TEMPERATURE APPLICATIONS IN THESE RANGES REQUIRE THE ADDITION OF A HEAD FAN*

^ C =208-230/3/60, D = 460/3/60, E = 575/3/60

* K =230/3/60, D = 460/3/60, E = 575/3/60

# PERFORMANCE DATA – R-448A/R-449A

## Medium Temperature - Dual Copeland Compressor Models

| R-448A/R-449A | | Capacity BTUH @ 90°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 40°F | 35°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F | -10°F |
| ACD0300M^ACD | 3DS3R17ME | 409,060 | 373,960 | 340,120 | 307,360 | 276,120 | 246,920 | 219,360 | 170,040 | 128,360 |
| ACD0400M^ACD | 4DBNR20ME | 502,280 | 458,420 | 416,420 | 376,660 | 339,580 | 304,660 | 272,060 | 213,740 | 163,540 |
| ACD0500M^ACD | 4DHNR22ME | 541,360 | 495,320 | 450,960 | 408,720 | 368,840 | 331,820 | 296,680 | 233,500 | 178,760 |
| ACD0520M^ACD | 4DHNR22ME | 545,120 | 497,900 | 452,700 | 409,880 | 369,600 | 332,340 | 297,060 | 233,860 | 179,160 |
| ACD0600M^ACD | 4DJNR28ME | 649,460 | 596,640 | 544,840 | 494,840 | 447,120 | 400,980 | 356,740 | 275,160 | 202,280 |
| ACD0700M^ACD | 6DHNR35ME | 795,820 | 734,100 | 672,360 | 611,420 | 552,500 | 495,660 | 441,540 | 344,280 | 265,220 |
| ACD0800M*ACD | 6DJNR40ME | 947,980 | 873,820 | 799,840 | 727,060 | 656,500 | 588,500 | 523,940 | 408,540 | 315,880 |

| R-448A/R-449A | | Capacity BTUH @ 95°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 40°F | 35°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F | -10°F |
| **ACD0300M^ACD** | **3DS3R17ME** | **394,440** | **360,880** | **328,460** | **296,980** | **266,880** | **238,580** | **211,740** | **163,500** | **122,140** |
| **ACD0400M^ACD** | **4DBNR20ME** | **483,640** | **441,560** | **401,220** | **362,960** | **327,260** | **293,540** | **261,880** | **205,700** | **157,080** |
| **ACD0500M^ACD** | **4DHNR22ME** | **521,800** | **476,660** | **434,140** | **393,580** | **355,180** | **319,580** | **285,680** | **224,780** | **171,700** |
| **ACD0520M^ACD** | **4DHNR22ME** | **525,020** | **479,680** | **436,200** | **394,960** | **356,180** | **320,200** | **286,120** | **224,980** | **172,060** |
| **ACD0600M^ACD** | **4DJNR28ME** | **624,640** | **573,860** | **524,220** | **476,100** | **430,220** | **385,700** | **342,980** | **264,340** | **193,740** |
| **ACD0700M^ACD** | **6DHNR35ME** | **770,240** | **711,120** | **651,700** | **593,520** | **536,140** | **480,960** | **428,100** | **333,140** | **255,120** |
| **ACD0800M*ACD** | **6DJNR40ME** | **917,160** | **846,320** | **775,300** | **705,100** | **636,940** | **571,060** | **508,080** | **395,620** | **304,420** |

| R-448A/R-449A | | Capacity BTUH @ 100°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 40°F | 35°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F | -10°F |
| ACD0300M^ACD | 3DS3R17ME | 379,840 | 348,220 | 316,820 | 286,580 | 257,520 | 230,120 | 204,100 | 156,820 | 115,800 |
| ACD0400M^ACD | 4DBNR20ME | 464,840 | 424,600 | 385,880 | 349,160 | 314,520 | 282,020 | 251,680 | 197,460 | 150,420 |
| ACD0500M^ACD | 4DHNR22ME | 501,060 | 457,920 | 417,200 | 378,320 | 341,380 | 306,800 | 274,300 | 215,480 | 164,320 |
| ACD0520M^ACD | 4DHNR22ME | 505,700 | 461,280 | 419,520 | 379,920 | 342,560 | 307,920 | 275,020 | 215,940 | 164,720 |
| ACD0600M^ACD | 4DJNR28ME | 599,200 | 550,480 | 502,900 | 456,780 | 412,720 | 369,820 | 328,940 | 253,000 | 184,880 |
| ACD0700M^ACD | 6DHNR35ME | 744,140 | 687,700 | 630,920 | 574,940 | 519,500 | 466,000 | 414,600 | 321,660 | 244,720 |
| ACD0800M*ACD | 6DJNR40ME | 886,160 | 818,380 | 750,320 | 682,820 | 617,140 | 553,360 | 492,240 | 382,420 | 292,640 |

| R-448A/R-449A | | Capacity BTUH @ 110°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 40°F | 35°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F | -10°F |
| ACD0300M^ACD | 3DS3R17ME | - | 322,260 | 293,520 | 265,760 | 238,960 | 213,280 | 188,700 | 143,300 | 102,860 |
| ACD0400M^ACD | 4DBNR20ME | - | - | - | 320,860 | 289,320 | 259,340 | 231,240 | 180,520 | 136,600 |
| ACD0500M^ACD | 4DHNR22ME | - | - | - | - | 313,180 | 281,660 | 251,460 | 196,780 | 149,040 |
| ACD0520M^ACD | 4DHNR22ME | - | - | - | 349,420 | 314,960 | 282,900 | 252,260 | 197,540 | 149,560 |
| ACD0600M^ACD | 4DJNR28ME | - | - | 458,820 | 416,640 | 376,220 | 336,440 | 298,980 | 229,300 | 166,520 |
| ACD0700M^ACD | 6DHNR35ME | - | - | - | 536,220 | 485,120 | 435,020 | 386,560 | 297,720 | 222,860 |
| ACD0800M*ACD | 6DJNR40ME | - | - | - | - | 576,460 | 516,900 | 459,480 | 354,960 | 268,000 |

**Notes:**

*LOW SUCTION TEMPERATURE APPLICATIONS IN THESE RANGES REQUIRE THE ADDITION OF A HEAD FAN*

^ C =208-230/3/60, D = 460/3/60, E = 575/3/60

* K =230/3/60, D = 460/3/60, E = 575/3/60

# PERFORMANCE DATA – R-407A/R-407F

## Medium Temperature - Dual Copeland Compressor Models

| R-407A/R-407F | | Capacity BTUH @ 90°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 40°F | 35°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F | -10°F |
| ACD0300M^ACD | 3DS3R17ME | 417,300 | 381,500 | 346,800 | 312,960 | 280,800 | 250,660 | 222,200 | 172,240 | 131,720 |
| ACD0400M^ACD | 4DBNR20ME | 506,500 | 462,660 | 420,760 | 381,120 | 343,820 | 309,440 | 276,980 | 218,840 | 168,260 |
| ACD0500M^ACD | 4DHNR22ME | 545,160 | 497,860 | 453,880 | 412,020 | 372,440 | 335,580 | 301,240 | 238,660 | 183,780 |
| ACD0520M^ACD | 4DHNR22ME | 551,820 | 503,480 | 457,260 | 414,360 | 374,220 | 337,200 | 302,040 | 239,020 | 184,100 |
| ACD0600M^ACD | 4DJNR28ME | 658,620 | 603,400 | 550,940 | 500,540 | 452,320 | 406,820 | 362,800 | 282,740 | 211,800 |
| ACD0700M^ACD | 6DHNR35ME | 806,020 | 743,360 | 681,000 | 619,820 | 560,320 | 503,880 | 449,860 | 352,700 | 273,020 |
| ACD0800M*ACD | 6DJNR40ME | 959,800 | 884,000 | 809,500 | 736,340 | 665,920 | 597,940 | 533,440 | 418,180 | 324,920 |

| R-407A/R-407F | | Capacity BTUH @ 95°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 40°F | 35°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F | -10°F |
| **ACD0300M^ACD** | **3DS3R17ME** | **401,000** | **366,700** | **333,700** | **301,260** | **270,160** | **241,180** | **213,740** | **165,160** | **125,260** |
| **ACD0400M^ACD** | **4DBNR20ME** | **486,300** | **444,380** | **404,200** | **366,040** | **330,320** | **297,240** | **265,940** | **209,980** | **161,220** |
| **ACD0500M^ACD** | **4DHNR22ME** | **523,160** | **477,820** | **435,720** | **395,600** | **357,580** | **322,160** | **289,160** | **228,960** | **175,840** |
| **ACD0520M^ACD** | **4DHNR22ME** | **530,160** | **483,740** | **439,320** | **398,140** | **359,540** | **323,920** | **290,060** | **229,320** | **176,360** |
| **ACD0600M^ACD** | **4DJNR28ME** | **631,300** | **578,340** | **528,340** | **480,120** | **434,560** | **390,460** | **348,440** | **271,880** | **204,380** |
| **ACD0700M^ACD** | **6DHNR35ME** | **777,640** | **717,760** | **657,960** | **599,040** | **542,340** | **487,420** | **435,020** | **340,240** | **261,920** |
| **ACD0800M*ACD** | **6DJNR40ME** | **926,840** | **853,160** | **781,860** | **711,700** | **643,960** | **578,380** | **515,940** | **403,760** | **312,200** |

| R-407A/R-407F | | Capacity BTUH @ 100°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 40°F | 35°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F | -10°F |
| ACD0300M^ACD | 3DS3R17ME | 384,780 | 352,180 | 320,660 | 289,640 | 259,800 | 231,840 | 205,320 | 158,060 | 118,780 |
| ACD0400M^ACD | 4DBNR20ME | 467,080 | 426,020 | 387,560 | 350,980 | 316,700 | 284,960 | 254,580 | 200,940 | 153,980 |
| ACD0500M^ACD | 4DHNR22ME | - | 458,680 | 417,440 | 379,060 | 342,660 | 308,660 | 276,940 | 218,860 | 168,000 |
| ACD0520M^ACD | 4DHNR22ME | 507,980 | 463,020 | 421,360 | 381,860 | 344,760 | 310,520 | 277,940 | 219,440 | 168,460 |
| ACD0600M^ACD | 4DJNR28ME | 603,500 | 552,960 | 505,320 | 459,360 | 415,920 | 373,820 | 333,700 | 261,040 | 197,140 |
| ACD0700M^ACD | 6DHNR35ME | 748,940 | 691,840 | 634,480 | 578,320 | 523,780 | 470,740 | 419,720 | 327,600 | 250,520 |
| ACD0800M*ACD | 6DJNR40ME | 890,160 | 822,320 | 754,100 | 686,920 | 621,840 | 558,600 | 497,840 | 389,100 | 299,220 |

| R-407A/R-407F | | Capacity BTUH @ 110°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 40°F | 35°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F | -10°F |
| ACD0300M^ACD | 3DS3R17ME | - | 323,440 | 294,840 | 266,600 | 239,340 | 213,340 | 188,620 | 143,920 | 105,880 |
| ACD0400M^ACD | 4DBNR20ME | - | - | - | 320,700 | 289,740 | 260,140 | 232,540 | 182,560 | 139,100 |
| ACD0500M^ACD | 4DHNR22ME | - | - | - | - | 312,540 | 281,380 | 252,220 | 198,620 | 151,580 |
| ACD0520M^ACD | 4DHNR22ME | - | - | - | 349,000 | 314,960 | 283,460 | 253,240 | 199,560 | 152,140 |
| ACD0600M^ACD | 4DJNR28ME | - | - | - | 417,160 | 378,060 | 340,100 | 304,280 | 239,520 | 183,080 |
| ACD0700M^ACD | 6DHNR35ME | - | - | - | 536,080 | 485,880 | 436,540 | 388,860 | 301,480 | 226,820 |
| ACD0800M*ACD | 6DJNR40ME | - | - | - | 636,620 | 576,880 | 518,320 | 461,840 | 358,940 | 272,460 |

**Notes:**

*LOW SUCTION TEMPERATURE APPLICATIONS IN THESE RANGES REQUIRE THE ADDITION OF A HEAD FAN*

^ C =208-230/3/60, D = 460/3/60, E = 575/3/60

* K =230/3/60, D = 460/3/60, E = 575/3/60

# PERFORMANCE DATA – R-407C

## Medium Temperature - Dual Copeland Compressor Models

| R-407C | | Capacity BTUH @ 90°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 40°F | 35°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F | -10°F |
| ACD0300M^ACD | 3DS3R17ME | 370,260 | 337,500 | 306,080 | 275,980 | 247,660 | 221,120 | 196,540 | 152,460 | 115,320 |
| ACD0400M^ACD | 4DBNR20ME | 451,140 | 409,780 | 370,020 | 333,060 | 298,020 | 264,620 | 231,900 | 167,740 | 101,900 |
| ACD0500M^ACD | 4DHNR22ME | - | - | 408,660 | 369,040 | 331,860 | 296,780 | 263,980 | 205,140 | 156,880 |
| ACD0520M^ACD | 4DHNR22ME | - | - | 412,080 | 371,840 | 333,300 | 297,680 | 264,400 | 205,520 | 157,320 |
| ACD0600M^ACD | 4DJNR28ME | - | - | 490,320 | 442,720 | 398,120 | 356,660 | 317,680 | 247,680 | 184,740 |
| ACD0700M^ACD | 6DHNR35ME | 727,040 | 656,600 | 592,320 | 533,740 | 480,380 | 431,000 | 385,280 | 299,600 | 213,380 |
| ACD0800M*ACD | 6DJNR40ME | 902,180 | 800,820 | 715,060 | 636,340 | 570,620 | 513,840 | 462,800 | 368,060 | 260,460 |

| R-407C | | Capacity BTUH @ 95°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 40°F | 35°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F | -10°F |
| **ACD0300M^ACD** | **3DS3R17ME** | **358,280** | **326,740** | **296,520** | **267,420** | **240,080** | **214,140** | **190,040** | **146,480** | **109,060** |
| **ACD0400M^ACD** | **4DBNR20ME** | **433,500** | **393,560** | **355,420** | **319,820** | **286,040** | **253,960** | **222,440** | **161,400** | **98,700** |
| **ACD0500M^ACD** | **4DHNR22ME** | **-** | **-** | **391,540** | **354,160** | **319,040** | **285,660** | **254,200** | **197,280** | **149,360** |
| **ACD0520M^ACD** | **4DHNR22ME** | **-** | **-** | **394,760** | **356,260** | **320,360** | **286,480** | **254,540** | **197,680** | **149,840** |
| **ACD0600M^ACD** | **4DJNR28ME** | **-** | **-** | **470,580** | **425,940** | **383,820** | **344,600** | **307,440** | **239,680** | **177,040** |
| **ACD0700M^ACD** | **6DHNR35ME** | **698,860** | **631,620** | **570,720** | **514,800** | **463,720** | **415,900** | **371,640** | **287,960** | **201,860** |
| **ACD0800M*ACD** | **6DJNR40ME** | **849,280** | **753,500** | **673,360** | **599,920** | **539,360** | **486,620** | **440,680** | **356,140** | **257,680** |

| R-407C | | Capacity BTUH @ 100°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 40°F | 35°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F | -10°F |
| ACD0300M^ACD | 3DS3R17ME | 346,420 | 316,120 | 286,980 | 258,660 | 232,020 | 206,980 | 183,260 | 139,980 | 102,260 |
| ACD0400M^ACD | 4DBNR20ME | 416,140 | 377,720 | 341,040 | 306,880 | 274,500 | 243,680 | 213,680 | 155,520 | 96,040 |
| ACD0500M^ACD | 4DHNR22ME | - | - | 375,080 | 339,940 | 306,700 | 275,100 | 244,760 | 189,640 | 141,940 |
| ACD0520M^ACD | 4DHNR22ME | - | - | 378,060 | 341,880 | 307,920 | 275,920 | 245,260 | 190,000 | 142,420 |
| ACD0600M^ACD | 4DJNR28ME | - | - | 451,700 | 409,780 | 370,500 | 332,960 | 297,660 | 232,000 | 169,580 |
| ACD0700M^ACD | 6DHNR35ME | 670,280 | 606,560 | 548,680 | 495,360 | 446,480 | 400,580 | 357,580 | 275,600 | 189,760 |
| ACD0800M*ACD | 6DJNR40ME | 795,280 | 704,920 | 630,760 | 562,900 | 508,660 | 460,220 | 419,500 | 346,100 | 258,860 |

| R-407C | | Capacity BTUH @ 110°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 40°F | 35°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F | -10°F |
| ACD0300M^ACD | 3DS3R17ME | 322,980 | 294,680 | 267,500 | 241,160 | 215,620 | 191,620 | 168,580 | - | 87,020 |
| ACD0400M^ACD | 4DBNR20ME | - | - | 313,180 | 282,020 | 252,760 | 224,720 | 197,500 | 145,300 | 92,440 |
| ACD0500M^ACD | 4DHNR22ME | - | - | - | 313,480 | 283,860 | 255,380 | 227,400 | 175,440 | - |
| ACD0520M^ACD | 4DHNR22ME | - | - | 347,040 | 315,180 | 284,840 | 255,840 | 227,680 | 175,520 | 128,320 |
| ACD0600M^ACD | 4DJNR28ME | - | - | 416,240 | 379,660 | 344,980 | 311,700 | 279,500 | 217,660 | 155,680 |
| ACD0700M^ACD | 6DHNR35ME | - | - | 503,400 | 455,680 | 410,380 | 368,320 | 327,860 | 248,840 | 164,180 |
| ACD0800M*ACD | 6DJNR40ME | - | 606,780 | 543,740 | 488,040 | 443,860 | 408,360 | 379,740 | 332,840 | 273,880 |

**Notes:**

*LOW SUCTION TEMPERATURE APPLICATIONS IN THESE RANGES REQUIRE THE ADDITION OF A HEAD FAN*

^ C =208-230/3/60, D = 460/3/60, E = 575/3/60

* K =230/3/60, D = 460/3/60, E = 575/3/60

# UNIT SPECIFICATIONS

## Medium & Low Temperature - Dual Copeland Compressor Models

| Model | Compressor | Refrigerant Line Connections (OD) | | | | Rec. Capacity @90% full (lbs) | | Condenser Fan Data | | Dimensions (In.) | | | Net Wt. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Standard (2 Each) | | Parallel Piped | | Standard (2 Each) | Parallel Piped | No. Fans | Dia. | Length | Width | Height | (lbs.) |
| | | Liquid | Suction | Liquid | Suction | | | | | | | | |
| ACD0240L^ACD | 4DBNF54KE | 1-1/8 | 2-1/8 | 1-3/8 | 3-1/8 | 123 | 269 | 4 | 30" | 176.35 | 91.5 | 59.4 | 4,475 |
| ACD0300L^ACD | 4DHNF63KE | 1-1/8 | 2-1/8 | 1-3/8 | 3-1/8 | 123 | 269 | 4 | 30" | 176.35 | 91.5 | 59.4 | 4,475 |
| ACD0440L^ACD | 4DJNF76KE | 1-1/8 | 2-1/8 | 1-3/8 | 3-1/8 | 123 | 269 | 4 | 30" | 176.35 | 91.5 | 59.4 | 4,475 |
| ACD0540L^ACD | 6DHNF93KE | 1-1/8 | 2-1/8 | 1-3/8 | 3-1/8 | 123 | 269 | 4 | 30" | 176.35 | 91.5 | 59.4 | 4,475 |
| ACD0600L^ACD | 6DJNF11ME | 1-1/8 | 2-1/8 | 1-3/8 | 3-1/8 | 123 | 269 | 4 | 30" | 176.35 | 91.5 | 59.4 | 4,475 |
| ACD0300M^ACD | 3DS3R17ME | 1-1/8 | 1-5/8 | 1-3/8 | 2-5/8 | 123 | 269 | 4 | 30" | 176.35 | 91.5 | 59.4 | 4,220 |
| ACD0400M^ACD | 4DBNR20ME | 1-1/8 | 2-1/8 | 1-3/8 | 2-5/8 | 123 | 269 | 4 | 30" | 176.35 | 91.5 | 59.4 | 4,225 |
| ACD0500M^ACD | 4DHNR22ME | 1-1/8 | 2-1/8 | 1-3/8 | 2-5/8 | 123 | 269 | 4 | 30" | 176.35 | 91.5 | 59.4 | 4,225 |
| ACD0520M^ACD | 4DHNR22ME | 1-1/8 | 2-1/8 | 1-3/8 | 2-5/8 | 123 | 269 | 4 | 30" | 176.35 | 91.5 | 59.4 | 4,225 |
| ACD0600M^ACD | 4DJNR28ME | 1-1/8 | 2-1/8 | 1-3/8 | 2-5/8 | 188 | 269 | 4 | 30" | 176.35 | 91.5 | 59.4 | 4,425 |
| ACD0700M^ACD | 6DHNR35ME | 1-1/8 | 2-1/8 | 1-5/8 | 3-1/8 | 188 | 363 | 6 | 30" | 229.4 | 91.5 | 59.4 | 5,094 |
| ACD0800M*ACD | 6DJNR40ME | 1-1/8 | 2-1/8 | 1-5/8 | 3-1/8 | 188 | 363 | 6 | 30" | 229.4 | 91.5 | 59.4 | 5,534 |

**Notes:**
^ C = 208-230/3/60, D = 460/3/60, K = 230/3/60
* K =230/3/60, D = 460/3/60, E = 575/3/60

# ELECTRICAL DATA

## Low Temperature - Dual Copeland Compressor Models/208-230V

| Model | Compressor | Condensing Unit | | | | | | Remote Loads | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | 2 Contactors† | | | | 1 Contactor† | | | |
| | | Compressor | | Condenser | | Air Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | |
| | | RLA (Each) | LRA (Each) | No. Fans | FLA (Total) | MCA | MOPD | | | MCA | MOPD | | | MCA | MOPD |
| ACD0240LCACD | 4DBNF54KE | 46.0 | 220 | 4 | 26.4 | 130.0 | 175 | 22 | 64 | 174.0 | 200 | 15 | 48 | 160.0 | 200 |
| ACD0300LCACD | 4DHNF63KE | 47.2 | 278 | 4 | 26.4 | 132.6 | 175 | 25 | 83 | 186.8 | 225 | 15 | 48 | 162.6 | 200 |
| ACD0440LCACD | 4DJNF76KE | 57.7 | 374 | 4 | 26.4 | 156.2 | 200 | 25 | 105 | 236.3 | 250 | 15 | 48 | 186.2 | 225 |
| ACD0540LCACD | 6DHNF93KE | 72.4 | 450 | 4 | 26.4 | 189.4 | 250 | 25 | 106 | 239.4 | 300 | 20 | 96 | 229.4 | 300 |
| ACD0600LCACD | 6DJNF11ME | 85.8 | 470 | 4 | 26.4 | 219.4 | 300 | 30 | 159.1 | 358.0 | 400 | 20 | 96 | 259.4 | 300 |

## Low Temperature - Dual Copeland Compressor Models/460V

| Model | Compressor | Condensing Unit | | | | | | Remote Loads | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | 2 Contactors† | | | | 1 Contactor† | | | |
| | | Compressor | | Condenser | | Air Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | |
| | | RLA (Each) | LRA (Each) | No. Fans | FLA (Total) | MCA | MOPD | | | MCA | MOPD | | | MCA | MOPD |
| ACD0240LDACD | 4DBNF54KE | 23.0 | 110 | 4 | 13.2 | 65.0 | 80 | 15 | 38 | 95.0 | 100 | 10 | 24 | 85.0 | 100 |
| ACD0300LDACD | 4DHNF63KE | 23.6 | 139 | 4 | 13.2 | 66.3 | 80 | 15 | 48 | 108.0 | 125 | 15 | 40 | 96.3 | 100 |
| ACD0440LDACD | 4DJNF76KE | 28.8 | 187 | 4 | 13.2 | 78.1 | 100 | 15 | 56.8 | 127.8 | 150 | 15 | 48 | 108.1 | 125 |
| ACD0540LDACD | 6DHNF93KE | 36.2 | 225 | 4 | 13.2 | 94.7 | 125 | 15 | 64 | 144.0 | 150 | 15 | 48 | 124.7 | 150 |
| ACD0600LDACD | 6DJNF11ME | 42.9 | 235 | 4 | 13.2 | 109.7 | 150 | 20 | 76 | 171.0 | 175 | 15 | 48 | 139.7 | 175 |

**Notes:**
MCA = Minimum Circuit Ampacity
MOP = Maximum Overcurrent Protection
† = Number of Contactors per Compressor
Loads are shown per compressor circuit
Contact factory for 575 volt electrical specification

# ELECTRICAL DATA

## Medium Temperature - Dual Copeland Compressor Models/208-230V

| Model | Compressor | Condensing Unit | | | | | | Remote Loads | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | 2 Contactors† | | | | 1 Contactor† | | | |
| | | Compressor | | Condenser | | Air Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | |
| | | RLA (Each) | LRA (Each) | No. Fans | FLA (Total) | MCA | MOPD | | | MCA | MOPD | | | MCA | MOPD |
| ACD0300MCACD | 3DS3R17ME | 53.5 | 275 | 4 | 26.4 | 146.8 | 200 | 25 | 96 | 216.0 | 250 | 25 | 96 | 216.0 | 250 |
| ACD0400MCACD | 4DBNR20ME | 64.7 | 374 | 4 | 26.4 | 172.1 | 225 | 25 | 108 | 243.0 | 250 | 20 | 96 | 216.0 | 250 |
| ACD0500MCACD | 4DHNR22ME | 66.8 | 428 | 4 | 26.4 | 176.7 | 225 | 30 | 136.4 | 306.9 | 350 | - | - | - | - |
| ACD0520MCACD | 4DHNR22ME | 66.8 | 428 | 4 | 26.4 | 176.7 | 225 | 30 | 136.4 | 306.9 | 350 | - | - | - | - |
| ACD0600MCACD | 4DJNR28ME | 94.6 | 470 | 4 | 26.4 | 239.3 | 300 | - | - | - | - | - | - | - | - |
| ACD0700MCACD | 6DHNR35ME | 112.3 | 565 | 6 | 39.6 | 292.3 | 400 | - | - | - | - | - | - | - | - |
| ACD0800MKACD | 6DJNR40ME | 128.2 | 594 | 6 | 39.6 | 328.1 | 400 | - | - | - | - | - | - | - | - |

## Medium Temperature - Dual Copeland Compressor Models/460V

| Model | Compressor | Condensing Unit | | | | | | Remote Loads | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | 2 Contactors† | | | | 1 Contactor† | | | |
| | | Compressor | | Condenser | | Air Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | |
| | | RLA (Each) | LRA (Each) | No. Fans | FLA (Total) | MCA | MOPD | | | MCA | MOPD | | | MCA | MOPD |
| ACD0300MDACD | 3DS3R17ME | 26.0 | 138 | 4 | 13.2 | 71.8 | 90 | 15 | 56.8 | 127.8 | 150 | 15 | 48 | 108.0 | 125 |
| ACD0400MDACD | 4DBNR20ME | 32.4 | 187 | 4 | 13.2 | 86.0 | 100 | 15 | 56.8 | 127.8 | 150 | 15 | 48 | 116.0 | 125 |
| ACD0500MDACD | 4DHNR22ME | 33.4 | 214 | 4 | 13.2 | 88.3 | 100 | 20 | 67 | 150.8 | 175 | 15 | 68.2 | 153.5 | 175 |
| ACD0520MDACD | 4DHNR22ME | 33.4 | 214 | 4 | 13.2 | 88.3 | 100 | 20 | 79.5 | 178.9 | 200 | 15 | 68.2 | 153.5 | 175 |
| ACD0600MDACD | 4DJNR28ME | 47.3 | 235 | 4 | 13.2 | 119.6 | 150 | 20 | 77 | 173.3 | 200 | 20 | 77 | 173.3 | 200 |
| ACD0700MDACD | 6DHNR35ME | 56.2 | 283 | 6 | 19.8 | 146.1 | 200 | 20 | 84 | 189.0 | 225 | 20 | 84 | 189.0 | 225 |
| ACD0800MDACD | 6DJNR40ME | 64.1 | 297 | 6 | 19.8 | 164.0 | 225 | 20 | 96 | 216.0 | 250 | 20 | 96 | 216.0 | 250 |

**Notes:**
MCA = Minimum Circuit Ampacity
MOP = Maximum Overcurrent Protection
† = Number of Contactors per Compressor
Loads are shown per compressor circuit
Contact factory for 575 volt electrical specification

# PERFORMANCE DATA – R-404A/R-507A

## Low Temperature - Dual Bitzer Compressor Models

| R-404A/R-507A | | Capacity BTUH @ 90°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| ACD0260L^ABX | 4JE-15Y | 223,400 | 199,100 | 176,480 | 155,640 | 136,160 | 118,200 | 101,660 | 86,320 | 72,220 |
| ACD0300L^ABX | 4HE-18Y | 261,700 | 233,860 | 208,040 | 184,060 | 161,640 | 140,920 | 121,840 | 104,040 | 87,680 |
| ACD0400L^ABX | 4GE-23Y | 300,160 | 270,080 | 241,200 | 214,280 | 189,100 | 165,900 | 144,220 | 124,120 | 105,400 |
| ACD0440L^ABX | 6JE-25Y | 313,680 | 280,660 | 250,480 | 222,020 | 195,000 | 170,240 | 147,220 | 125,840 | 105,860 |
| ACD0500L^ABX | 6HE-28Y | 362,980 | 326,540 | 292,520 | 260,420 | 229,620 | 200,920 | 174,620 | 149,880 | 126,860 |
| ACD0600L^ABX | 6GE-34Y | 412,580 | 375,600 | 339,400 | 305,180 | 272,400 | 241,360 | 211,980 | 183,900 | 157,920 |
| ACD0800L^ABX | 6FE-44Y | 526,880 | 475,680 | 427,360 | 380,460 | 336,320 | 295,000 | 256,860 | 220,920 | 187,340 |

| R-404A/R-507A | | Capacity BTUH @ 95°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| **ACD0260L^ABX** | **4JE-15Y** | **212,360** | **189,260** | **167,820** | **147,640** | **128,960** | **111,600** | **95,760** | **81,120** | **67,600** |
| **ACD0300L^ABX** | **4HE-18Y** | **249,080** | **222,700** | **197,840** | **174,920** | **153,480** | **133,620** | **115,340** | **98,260** | **82,580** |
| **ACD0400L^ABX** | **4GE-23Y** | **285,640** | **257,100** | **229,640** | **203,960** | **180,120** | **157,760** | **137,060** | **117,820** | **99,920** |
| **ACD0440L^ABX** | **6JE-25Y** | **297,880** | **266,500** | **237,620** | **210,100** | **184,440** | **160,800** | **138,740** | **118,100** | **99,080** |
| **ACD0500L^ABX** | **6HE-28Y** | **344,460** | **309,900** | **277,600** | **246,980** | **217,840** | **190,120** | **165,000** | **141,300** | **119,100** |
| **ACD0600L^ABX** | **6GE-34Y** | **391,080** | **356,380** | **322,240** | **289,940** | **258,880** | **229,360** | **201,140** | **174,500** | **149,640** |
| **ACD0800L^ABX** | **6FE-44Y** | **500,940** | **452,520** | **406,660** | **361,700** | **319,740** | **280,480** | **243,640** | **209,040** | **176,660** |

| R-404A/R-507A | | Capacity BTUH @ 100°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| ACD0260L^ABX | 4JE-15Y | 201,680 | 179,380 | 158,940 | 139,660 | 121,780 | 105,220 | 89,960 | 75,940 | 63,000 |
| ACD0300L^ABX | 4HE-18Y | 236,320 | 211,120 | 187,580 | 165,760 | 145,300 | 126,320 | 108,720 | 92,520 | 77,520 |
| ACD0400L^ABX | 4GE-23Y | 271,020 | 243,960 | 218,260 | 193,560 | 170,920 | 149,580 | 129,900 | 111,540 | 94,480 |
| ACD0440L^ABX | 6JE-25Y | 281,740 | 252,220 | 225,080 | 198,720 | 174,180 | 151,380 | 130,280 | 110,520 | 92,340 |
| ACD0500L^ABX | 6HE-28Y | 325,760 | 293,100 | 262,560 | 233,440 | 205,440 | 179,580 | 155,360 | 132,700 | 111,440 |
| ACD0600L^ABX | 6GE-34Y | 369,120 | 336,840 | 304,780 | 274,420 | 245,580 | 216,880 | 190,340 | 165,180 | 141,240 |
| ACD0800L^ABX | 6FE-44Y | 474,700 | 429,060 | 385,560 | 342,780 | 302,960 | 265,520 | 230,260 | 197,040 | 165,660 |

| R-404A/R-507A | | Capacity BTUH @ 110°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| ACD0260L^ABX | 4JE-15Y | 179,500 | 159,860 | 141,200 | 123,740 | 107,440 | 92,300 | 78,500 | 65,740 | 53,940 |
| ACD0300L^ABX | 4HE-18Y | 210,780 | 188,080 | 167,300 | 147,440 | 128,960 | 111,640 | 95,820 | 81,140 | 67,540 |
| ACD0400L^ABX | 4GE-23Y | 241,800 | 217,620 | 194,360 | 172,880 | 152,400 | 133,340 | 115,640 | 99,120 | 83,640 |
| ACD0440L^ABX | 6JE-25Y | 249,280 | 223,540 | 198,660 | 175,220 | 153,360 | 132,720 | 113,380 | 95,580 | 79,080 |
| ACD0500L^ABX | 6HE-28Y | 287,300 | 259,300 | 232,700 | 206,360 | 181,400 | 158,000 | 136,120 | 115,400 | 96,240 |
| ACD0600L^ABX | 6GE-34Y | - | 297,180 | 269,280 | 242,820 | 217,400 | 192,460 | 168,500 | 145,780 | 124,120 |
| ACD0800L^ABX | 6FE-44Y | 421,280 | 381,280 | 342,080 | 304,820 | 269,280 | 235,240 | 203,180 | 172,660 | 143,920 |

**Notes:**

*HEAD FAN REQUIRED FOR ALL OPERATING CONDITIONS*

^ C =208-230/3/60, D = 460/3/60, E = 575/3/60

# PERFORMANCE DATA – R-448A/R-449A

## Low Temperature - Dual Bitzer Compressor Models

| R-448A/R-449A | | Capacity BTUH @ 90°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| ACD0260L^ABX | 4JE-15Y | 201,660 | 176,960 | 154,640 | 134,040 | 115,240 | 98,100 | 82,420 | 68,060 | 54,860 |
| ACD0300L^ABX | 4HE-18Y | 236,920 | 208,860 | 182,940 | 159,280 | 137,520 | 117,640 | 99,540 | 82,780 | 67,380 |
| ACD0400L^ABX | 4GE-23Y | 274,820 | 242,840 | 213,820 | 186,840 | 162,240 | 139,600 | 118,920 | 99,820 | 82,100 |
| ACD0440L^ABX | 6JE-25Y | 287,540 | 253,520 | 222,320 | 193,140 | 166,660 | 142,420 | 120,320 | 99,840 | 81,040 |
| ACD0500L^ABX | 6HE-28Y | 335,200 | 296,560 | 260,880 | 227,460 | 196,900 | 169,020 | 143,380 | 119,720 | 97,720 |
| ACD0600L^ABX | 6GE-34Y | 391,140 | 349,520 | 310,380 | 273,720 | 239,300 | 207,360 | 177,920 | 150,760 | 125,300 |
| ACD0800L^ABX | 6FE-44Y | 486,680 | 431,880 | 380,560 | 332,820 | 288,820 | 248,540 | 211,420 | 176,980 | 145,040 |

| R-448A/R-449A | | Capacity BTUH @ 95°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| **ACD0260L^ABX** | **4JE-15Y** | **192,880** | **169,100** | **147,520** | **127,620** | **109,420** | **92,760** | **77,700** | **63,840** | **51,100** |
| **ACD0300L^ABX** | **4HE-18Y** | **227,140** | **199,900** | **174,860** | **152,040** | **131,040** | **111,860** | **94,320** | **78,220** | **63,360** |
| **ACD0400L^ABX** | **4GE-23Y** | **263,580** | **232,880** | **204,860** | **178,880** | **155,160** | **133,380** | **113,440** | **95,040** | **77,960** |
| **ACD0440L^ABX** | **6JE-25Y** | **274,980** | **242,100** | **211,860** | **183,620** | **158,120** | **134,720** | **113,260** | **93,620** | **75,520** |
| **ACD0500L^ABX** | **6HE-28Y** | **320,960** | **283,240** | **249,000** | **216,700** | **187,220** | **160,360** | **135,620** | **112,780** | **91,520** |
| **ACD0600L^ABX** | **6GE-34Y** | **374,680** | **334,580** | **297,120** | **262,080** | **228,900** | **198,080** | **169,820** | **143,420** | **-** |
| **ACD0800L^ABX** | **6FE-44Y** | **466,820** | **414,060** | **364,240** | **318,440** | **275,840** | **236,880** | **200,860** | **167,400** | **136,140** |

| R-448A/R-449A | | Capacity BTUH @ 100°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| ACD0260L^ABX | 4JE-15Y | 184,200 | 161,200 | 140,400 | 121,180 | 103,620 | 87,520 | 72,980 | 59,620 | 47,360 |
| ACD0300L^ABX | 4HE-18Y | 217,180 | 190,920 | 166,980 | 144,840 | 124,580 | 106,100 | 89,180 | 73,680 | - |
| ACD0400L^ABX | 4GE-23Y | 252,320 | 223,100 | 195,880 | 170,900 | 148,140 | 127,160 | 108,000 | 90,300 | - |
| ACD0440L^ABX | 6JE-25Y | 262,460 | 230,720 | 201,220 | 174,160 | 149,620 | 127,040 | 106,360 | 87,440 | - |
| ACD0500L^ABX | 6HE-28Y | 305,820 | 270,100 | 237,100 | 206,260 | 177,540 | 151,660 | 127,820 | 105,800 | - |
| ACD0600L^ABX | 6GE-34Y | 357,920 | 319,860 | 283,920 | 250,260 | 218,120 | 188,660 | 161,460 | 135,940 | - |
| ACD0800L^ABX | 6FE-44Y | 446,860 | 396,100 | 348,240 | 303,900 | 262,760 | 225,100 | 190,180 | 157,700 | - |

| R-448A/R-449A | | Capacity BTUH @ 110°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| ACD0260L^ABX | 4JE-15Y | 166,920 | 145,780 | 126,280 | 108,400 | 91,980 | 77,140 | 63,620 | 51,320 | - |
| ACD0300L^ABX | 4HE-18Y | 197,440 | 173,100 | 150,980 | 130,500 | 111,760 | 94,660 | 79,020 | 64,700 | - |
| ACD0400L^ABX | 4GE-23Y | 229,920 | 203,060 | 178,040 | 155,220 | 134,160 | 114,900 | 97,180 | 80,980 | - |
| ACD0440L^ABX | 6JE-25Y | 237,520 | 208,280 | 181,080 | 155,800 | 132,840 | 111,740 | 92,680 | - | - |
| ACD0500L^ABX | 6HE-28Y | 276,720 | 244,220 | 213,280 | 184,560 | 158,420 | 134,300 | 112,220 | - | - |
| ACD0600L^ABX | 6GE-34Y | - | - | 257,060 | 226,180 | 196,880 | - | - | - | - |
| ACD0800L^ABX | 6FE-44Y | 407,300 | 359,940 | 316,000 | 274,560 | 236,640 | 201,280 | 168,620 | - | - |

**Notes:**

*HEAD FAN REQUIRED FOR ALL OPERATING CONDITIONS*

Head Fan & SH < 35F Required

^ C =208-230/3/60, D = 460/3/60, E = 575/3/60

# PERFORMANCE DATA – R-407A/R-407F

## Low Temperature - Dual Bitzer Compressor Models

| R-407A/R-407F | | Capacity BTUH @ 90°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| ACD0260L^ABX | 4JE-15Y | 196,120 | 171,160 | 148,360 | 127,040 | 107,340 | 89,120 | 72,400 | 56,880 | 42,460 |
| ACD0300L^ABX | 4HE-18Y | 232,720 | 203,860 | 177,180 | 152,640 | 129,740 | 108,600 | 89,020 | 70,880 | 53,940 |
| ACD0400L^ABX | 4GE-23Y | 273,280 | 240,540 | 210,520 | 182,300 | 156,360 | 132,220 | 109,860 | 88,980 | 69,380 |
| ACD0440L^ABX | 6JE-25Y | 278,760 | 244,640 | 212,520 | 182,640 | 155,060 | 129,240 | 105,160 | 82,780 | 61,820 |
| ACD0500L^ABX | 6HE-28Y | 331,440 | 292,000 | 255,300 | 220,420 | 187,740 | 157,840 | 129,900 | 103,620 | 79,080 |
| ACD0600L^ABX | 6GE-34Y | 371,580 | 327,900 | 287,500 | 249,560 | 213,480 | 179,580 | 148,520 | 119,080 | 91,240 |
| ACD0800L^ABX | 6FE-44Y | 472,820 | 416,680 | 363,420 | 314,140 | 268,640 | 226,220 | 186,980 | 150,320 | 115,820 |

| R-407A/R-407F | | Capacity BTUH @ 95°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| **ACD0260L^ABX** | **4JE-15Y** | **186,700** | **162,840** | **140,680** | **120,160** | **101,220** | **83,700** | **67,700** | **52,840** | **39,080** |
| **ACD0300L^ABX** | **4HE-18Y** | **222,040** | **194,260** | **168,700** | **144,860** | **122,840** | **102,520** | **83,760** | **66,360** | **50,220** |
| **ACD0400L^ABX** | **4GE-23Y** | **261,520** | **230,020** | **200,940** | **173,800** | **148,860** | **125,620** | **104,160** | **84,160** | **65,400** |
| **ACD0440L^ABX** | **6JE-25Y** | **265,160** | **232,700** | **201,560** | **172,540** | **146,100** | **121,140** | **98,220** | **76,820** | **56,920** |
| **ACD0500L^ABX** | **6HE-28Y** | **315,920** | **277,980** | **242,520** | **208,880** | **177,820** | **148,960** | **122,160** | **96,980** | **73,520** |
| **ACD0600L^ABX** | **6GE-34Y** | **353,280** | **312,160** | **273,300** | **236,680** | **201,940** | **169,780** | **139,780** | **111,620** | **85,020** |
| **ACD0800L^ABX** | **6FE-44Y** | **451,600** | **397,460** | **346,060** | **298,740** | **254,920** | **214,220** | **176,580** | **141,440** | **108,520** |

| R-407A/R-407F | | Capacity BTUH @ 100°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| ACD0260L^ABX | 4JE-15Y | 177,380 | 154,400 | 133,100 | 113,340 | 95,160 | 78,360 | 63,040 | 48,900 | 35,760 |
| ACD0300L^ABX | 4HE-18Y | 211,700 | 184,720 | 160,140 | 137,200 | 116,040 | 96,560 | 78,560 | 61,940 | 46,540 |
| ACD0400L^ABX | 4GE-23Y | 249,820 | 219,560 | 191,540 | 165,420 | 141,440 | 119,120 | 98,560 | 79,400 | 61,480 |
| ACD0440L^ABX | 6JE-25Y | 251,720 | 220,360 | 190,780 | 162,920 | 137,280 | 113,360 | 91,400 | 70,980 | 52,040 |
| ACD0500L^ABX | 6HE-28Y | 300,560 | 264,000 | 229,980 | 197,660 | 167,900 | 140,180 | 114,540 | 90,480 | 68,100 |
| ACD0600L^ABX | 6GE-34Y | 336,080 | 296,640 | 259,320 | 224,080 | 190,740 | 159,960 | 131,260 | 104,180 | 78,920 |
| ACD0800L^ABX | 6FE-44Y | 430,580 | 378,300 | 329,520 | 283,520 | 241,460 | 202,360 | 166,320 | 132,600 | 101,380 |

| R-407A/R-407F | | Capacity BTUH @ 110°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| ACD0260L^ABX | 4JE-15Y | 159,020 | 137,900 | 118,240 | 100,060 | 83,280 | 67,980 | 54,020 | 41,220 | 29,340 |
| ACD0300L^ABX | 4HE-18Y | 190,760 | 165,960 | 143,360 | 122,220 | 102,780 | 84,840 | 68,480 | 53,360 | 39,440 |
| ACD0400L^ABX | 4GE-23Y | 226,880 | 199,180 | 173,100 | 149,180 | 127,000 | 106,520 | 87,700 | 70,240 | 53,940 |
| ACD0440L^ABX | 6JE-25Y | 225,380 | 196,000 | 168,820 | 143,680 | 120,160 | 98,240 | 78,260 | 59,820 | 42,660 |
| ACD0500L^ABX | 6HE-28Y | 270,520 | 236,900 | 205,560 | 175,820 | 148,620 | 123,240 | 99,820 | 77,920 | 57,680 |
| ACD0600L^ABX | 6GE-34Y | - | 266,320 | 232,460 | 199,520 | 169,280 | 140,980 | 114,780 | 90,140 | 67,260 |
| ACD0800L^ABX | 6FE-44Y | 389,840 | 340,640 | 295,920 | 254,160 | 215,320 | 179,480 | 146,540 | 115,840 | 87,440 |

**Notes:**

*HEAD FAN REQUIRED FOR ALL OPERATING CONDITIONS*

Liquid Injection is Required

^ C =208-230/3/60, D = 460/3/60, E = 575/3/60

# PERFORMANCE DATA – R-407C

Low Temperature - Dual Bitzer Compressor Models

| R-407C | | Capacity BTUH @ 90°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| ACD0260L^ABX | 4JE-15Y | 170,300 | 147,240 | 125,960 | - | - | - | - | - | - |
| ACD0300L^ABX | 4HE-18Y | 202,980 | 176,280 | 151,660 | - | - | - | - | - | - |
| ACD0400L^ABX | 4GE-23Y | 232,640 | 202,120 | 174,320 | - | - | - | - | - | - |
| ACD0440L^ABX | 6JE-25Y | 243,960 | 211,960 | 181,560 | - | - | - | - | - | - |
| ACD0500L^ABX | 6HE-28Y | 291,400 | 253,680 | 218,580 | - | - | - | - | - | - |
| ACD0600L^ABX | 6GE-34Y | 329,860 | 287,420 | 248,540 | - | - | - | - | - | - |
| ACD0800L^ABX | 6FE-44Y | 419,240 | 364,940 | 315,300 | - | - | - | - | - | - |

| R-407C | | Capacity BTUH @ 95°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| **ACD0260L^ABX** | **4JE-15Y** | **162,380** | **140,080** | **119,440** | **-** | **-** | **-** | **-** | **-** | **-** |
| **ACD0300L^ABX** | **4HE-18Y** | **194,020** | **168,200** | **144,180** | **-** | **-** | **-** | **-** | **-** | **-** |
| **ACD0400L^ABX** | **4GE-23Y** | **222,420** | **192,840** | **165,960** | **-** | **-** | **-** | **-** | **-** | **-** |
| **ACD0440L^ABX** | **6JE-25Y** | **232,380** | **201,320** | **172,200** | **-** | **-** | **-** | **-** | **-** | **-** |
| **ACD0500L^ABX** | **6HE-28Y** | **277,900** | **241,600** | **207,860** | **-** | **-** | **-** | **-** | **-** | **-** |
| **ACD0600L^ABX** | **6GE-34Y** | **315,000** | **273,700** | **236,280** | **-** | **-** | **-** | **-** | **-** | **-** |
| **ACD0800L^ABX** | **6FE-44Y** | **401,160** | **348,820** | **300,500** | **-** | **-** | **-** | **-** | **-** | **-** |

| R-407C | | Capacity BTUH @ 100°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| ACD0260L^ABX | 4JE-15Y | 154,520 | 132,760 | 112,940 | - | - | - | - | - | - |
| ACD0300L^ABX | 4HE-18Y | 185,280 | 160,120 | 136,840 | - | - | - | - | - | - |
| ACD0400L^ABX | 4GE-23Y | 212,520 | 183,860 | 157,640 | - | - | - | - | - | - |
| ACD0440L^ABX | 6JE-25Y | 220,880 | 190,500 | 162,760 | - | - | - | - | - | - |
| ACD0500L^ABX | 6HE-28Y | 264,820 | 229,700 | 197,060 | - | - | - | - | - | - |
| ACD0600L^ABX | 6GE-34Y | 299,720 | 260,260 | 224,100 | - | - | - | - | - | - |
| ACD0800L^ABX | 6FE-44Y | 383,100 | 332,660 | 285,760 | - | - | - | - | - | - |

| R-407C | | Capacity BTUH @ 110°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| ACD0260L^ABX | 4JE-15Y | 138,900 | 118,580 | 100,120 | - | - | - | - | - | - |
| ACD0300L^ABX | 4HE-18Y | 167,560 | 144,080 | - | - | - | - | - | - | - |
| ACD0400L^ABX | 4GE-23Y | - | - | - | - | - | - | - | - | - |
| ACD0440L^ABX | 6JE-25Y | - | - | - | - | - | - | - | - | - |
| ACD0500L^ABX | 6HE-28Y | - | - | - | - | - | - | - | - | - |
| ACD0600L^ABX | 6GE-34Y | - | - | - | - | - | - | - | - | - |
| ACD0800L^ABX | 6FE-44Y | - | - | - | - | - | - | - | - | - |

**Notes:**

*HEAD FAN REQUIRED FOR ALL OPERATING CONDITIONS*

^ C =208-230/3/60, D = 460/3/60, E = 575/3/60

# PERFORMANCE DATA – R-404A/R-507A

## Medium Temperature - Dual Bitzer Compressor Models

| R-404A/R-507A | | Capacity BTUH @ 90°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 40°F | 35°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F | -10°F |
| ACD0300M^ABX | 4PES-15Y | 378,720 | 347,040 | 316,000 | 286,820 | 259,160 | 232,760 | 207,700 | 163,700 | 126,360 |
| ACD0400M^ABX | 4NES-20Y | 431,960 | 397,900 | 364,700 | 332,080 | 301,500 | 272,500 | 244,980 | 194,900 | 152,640 |
| ACD0440M^ABX | 4JE-22Y | 469,660 | 435,940 | 401,080 | 366,920 | 333,860 | 302,900 | 273,680 | 218,940 | 171,940 |
| ACD0500M^ABX | 4HE-25Y | 534,960 | 497,820 | 461,640 | 424,120 | 388,000 | 352,500 | 319,580 | 258,300 | 204,580 |
| ACD0600M^ABX | 4GE-30Y | 652,300 | 602,780 | 554,580 | 507,220 | 462,220 | 420,300 | 379,240 | 305,300 | 241,640 |
| ACD0660M^ABX | 6JE-33Y | 717,600 | 661,880 | 607,460 | 553,520 | 503,260 | 455,020 | 409,740 | 326,480 | 255,620 |
| ACD0700M^ABX | 6HE-35Y | 804,520 | 748,680 | 691,140 | 633,440 | 577,960 | 525,940 | 475,940 | 384,060 | 303,580 |
| ACD0800M^ABX | 6GE-40Y | 936,200 | 867,760 | 800,540 | 733,740 | 670,800 | 610,460 | 552,840 | 446,020 | 353,780 |
| ACD1100M^ABX | 6FE-50Y | 1,087,860 | 1,014,160 | 943,300 | 870,520 | 797,840 | 729,640 | 663,120 | 539,460 | 429,620 |

| R-404A/R-507A | | Capacity BTUH @ 95°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 40°F | 35°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F | -10°F |
| **ACD0300M^ABX** | **4PES-15Y** | **360,060** | **329,400** | **300,560** | **272,720** | **246,140** | **220,860** | **197,380** | **155,080** | **119,220** |
| **ACD0400M^ABX** | **4NES-20Y** | **409,340** | **378,400** | **346,960** | **316,540** | **286,940** | **259,120** | **232,820** | **185,400** | **144,740** |
| **ACD0440M^ABX** | **4JE-22Y** | **445,960** | **413,180** | **380,240** | **348,960** | **317,560** | **288,140** | **260,200** | **207,860** | **162,860** |
| **ACD0500M^ABX** | **4HE-25Y** | **507,080** | **472,280** | **438,140** | **403,040** | **368,120** | **335,300** | **303,980** | **245,760** | **194,480** |
| **ACD0600M^ABX** | **4GE-30Y** | **619,920** | **573,360** | **527,820** | **483,580** | **440,320** | **400,300** | **361,220** | **291,000** | **229,860** |
| **ACD0660M^ABX** | **6JE-33Y** | **683,060** | **630,320** | **578,440** | **527,400** | **479,480** | **434,020** | **389,600** | **310,540** | **242,140** |
| **ACD0700M^ABX** | **6HE-35Y** | **763,520** | **711,420** | **655,860** | **602,520** | **549,960** | **500,640** | **453,680** | **365,120** | **288,420** |
| **ACD0800M^ABX** | **6GE-40Y** | **889,000** | **824,940** | **761,080** | **698,220** | **638,680** | **582,060** | **526,700** | **424,760** | **336,660** |
| **ACD1100M^ABX** | **6FE-50Y** | **1,033,020** | **964,600** | **895,100** | **826,760** | **758,200** | **693,620** | **631,200** | **514,040** | **408,840** |

| R-404A/R-507A | | Capacity BTUH @ 100°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 40°F | 35°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F | -10°F |
| ACD0300M^ABX | 4PES-15Y | 341,300 | 312,380 | 285,020 | 258,380 | 233,240 | 209,200 | 186,900 | 146,500 | 112,220 |
| ACD0400M^ABX | 4NES-20Y | 388,940 | 358,720 | 329,060 | 299,700 | 272,240 | 246,160 | 221,060 | 175,680 | 136,900 |
| ACD0440M^ABX | 4JE-22Y | 421,860 | 391,320 | 361,060 | 330,820 | 301,100 | 273,240 | 246,580 | 196,720 | 153,800 |
| ACD0500M^ABX | 4HE-25Y | 479,020 | 446,280 | 414,660 | 381,940 | 349,240 | 317,820 | 288,180 | 233,200 | 184,120 |
| ACD0600M^ABX | 4GE-30Y | 587,360 | 543,620 | 500,720 | 457,800 | 418,080 | 380,060 | 343,160 | 276,300 | 218,020 |
| ACD0660M^ABX | 6JE-33Y | 648,100 | 598,420 | 549,220 | 500,900 | 454,960 | 412,080 | 369,860 | 294,180 | 228,660 |
| ACD0700M^ABX | 6HE-35Y | 722,180 | 670,780 | 621,320 | 571,160 | 521,600 | 475,020 | 430,500 | 346,260 | 273,120 |
| ACD0800M^ABX | 6GE-40Y | 841,660 | 780,900 | 721,280 | 662,180 | 605,940 | 552,660 | 499,260 | 403,260 | 319,380 |
| ACD1100M^ABX | 6FE-50Y | 970,780 | 908,080 | 846,420 | 782,360 | 717,700 | 657,400 | 598,660 | 487,820 | 388,180 |

**Notes:**

*HEAD FAN REQUIRED*

^ C =208-230/3/60, D = 460/3/60, E = 575/3/60

# PERFORMANCE DATA – R-404A/R-507A

Medium Temperature - Dual Bitzer Compressor Models

| R-404A/R-507A | | Capacity BTUH @ 110°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 40°F | 35°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F | -10°F |
| ACD0300M^ABX | 4PES-15Y | 303,620 | 277,960 | 253,820 | 229,960 | 207,380 | 186,220 | 165,960 | 129,480 | 98,440 |
| ACD0400M^ABX | 4NES-20Y | 345,580 | 319,060 | 292,880 | 267,040 | 243,040 | 219,160 | 196,780 | 156,320 | 121,280 |
| ACD0440M^ABX | 4JE-22Y | - | 348,080 | 320,820 | 293,480 | 267,940 | 243,520 | 219,340 | 174,780 | 135,700 |
| ACD0500M^ABX | 4HE-25Y | - | - | 367,560 | 338,260 | 309,340 | 282,520 | 256,760 | 206,940 | 163,360 |
| ACD0600M^ABX | 4GE-30Y | 521,660 | 483,280 | 445,200 | 408,080 | 373,320 | 339,280 | 306,100 | 246,600 | 194,180 |
| ACD0660M^ABX | 6JE-33Y | 577,220 | 533,340 | 490,120 | 446,540 | 406,380 | 367,180 | 329,800 | 261,500 | 201,860 |
| ACD0700M^ABX | 6HE-35Y | - | 596,380 | 551,620 | 507,800 | 464,220 | 423,060 | 383,400 | 308,080 | 242,400 |
| ACD0800M^ABX | 6GE-40Y | 745,160 | 692,840 | 640,980 | 588,860 | 539,560 | 491,880 | 445,360 | 360,000 | 284,300 |
| ACD1100M^ABX | 6FE-50Y | - | - | 747,540 | 692,040 | 636,280 | 583,880 | 533,160 | 433,780 | 345,480 |

**Notes:**

*HEAD FAN REQUIRED*

^ C =208-230/3/60, D = 460/3/60, E = 575/3/60

# PERFORMANCE DATA – R-448A/R-449A

## Medium Temperature - Dual Bitzer Compressor Models

| R-448A/R-449A | | Capacity BTUH @ 90°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 40°F | 35°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F | -10°F |
| ACD0300M^ABX | 4PES-15Y | 371,900 | 335,960 | 301,900 | 270,200 | 240,260 | 212,940 | 187,960 | 144,340 | 108,560 |
| ACD0400M^ABX | 4NES-20Y | 430,780 | 390,380 | 352,540 | 316,820 | 283,420 | 252,640 | 223,980 | 173,900 | 132,700 |
| ACD0440M^ABX | 4JE-22Y | 472,960 | 430,120 | 390,000 | 351,820 | 315,820 | 282,620 | 251,040 | 195,520 | 149,420 |
| ACD0500M^ABX | 4HE-25Y | 545,040 | 498,340 | 452,580 | 409,900 | 369,380 | 331,440 | 296,180 | 232,460 | 179,260 |
| ACD0600M^ABX | 4GE-30Y | 648,560 | 591,300 | 536,440 | 484,540 | 436,080 | 390,500 | 348,340 | 273,460 | 210,980 |
| ACD0660M^ABX | 6JE-33Y | 714,580 | 649,360 | 587,000 | 528,100 | 473,360 | 421,820 | 374,140 | 290,700 | 221,400 |
| ACD0700M^ABX | 6HE-35Y | 814,520 | 742,700 | 674,920 | 610,260 | 549,200 | 492,120 | 438,920 | 344,200 | 265,200 |
| ACD0800M^ABX | 6GE-40Y | 936,720 | 856,120 | 778,320 | 704,360 | 635,100 | 569,540 | 508,300 | 400,140 | 309,520 |
| ACD1100M^ABX | 6FE-50Y | 1,111,360 | 1,019,480 | 929,340 | 844,100 | 763,120 | 686,920 | 615,600 | 486,880 | 376,840 |

| R-448A/R-449A | | Capacity BTUH @ 95°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 40°F | 35°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F | -10°F |
| **ACD0300M^ABX** | **4PES-15Y** | **356,900** | **322,280** | **289,400** | **258,740** | **229,760** | **203,480** | **179,380** | **137,240** | **102,800** |
| **ACD0400M^ABX** | **4NES-20Y** | **413,880** | **374,960** | **338,520** | **304,060** | **272,100** | **242,080** | **214,540** | **166,120** | **126,360** |
| **ACD0440M^ABX** | **4JE-22Y** | **454,260** | **413,000** | **374,320** | **337,520** | **302,600** | **270,560** | **240,200** | **186,520** | **141,980** |
| **ACD0500M^ABX** | **4HE-25Y** | **523,080** | **478,300** | **434,320** | **393,260** | **354,300** | **317,780** | **283,800** | **222,320** | **170,980** |
| **ACD0600M^ABX** | **4GE-30Y** | **622,900** | **567,940** | **515,240** | **465,300** | **418,660** | **374,360** | **333,860** | **261,920** | **201,700** |
| **ACD0660M^ABX** | **6JE-33Y** | **687,260** | **624,500** | **564,320** | **507,340** | **454,360** | **404,440** | **358,420** | **277,300** | **210,300** |
| **ACD0700M^ABX** | **6HE-35Y** | **782,480** | **713,460** | **648,340** | **586,120** | **526,860** | **472,500** | **420,820** | **329,300** | **252,980** |
| **ACD0800M^ABX** | **6GE-40Y** | **899,560** | **822,240** | **747,600** | **676,520** | **609,800** | **546,680** | **487,880** | **383,440** | **295,940** |
| **ACD1100M^ABX** | **6FE-50Y** | **1,065,040** | **977,460** | **891,200** | **809,980** | **732,380** | **659,180** | **590,600** | **466,220** | **360,740** |

| R-448A/R-449A | | Capacity BTUH @ 100°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 40°F | 35°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F | -10°F |
| ACD0300M^ABX | 4PES-15Y | 341,980 | 308,600 | 276,920 | 247,360 | 219,760 | 194,060 | 170,880 | 130,240 | 97,100 |
| ACD0400M^ABX | 4NES-20Y | 397,020 | 359,540 | 324,460 | 291,320 | 260,520 | 231,560 | 204,800 | 158,300 | 120,100 |
| ACD0440M^ABX | 4JE-22Y | 435,500 | 396,580 | 358,640 | 322,960 | 289,600 | 258,660 | 229,200 | 177,700 | 134,540 |
| ACD0500M^ABX | 4HE-25Y | 501,020 | 458,200 | 415,960 | 376,660 | 339,180 | 304,040 | 271,140 | 212,120 | 162,660 |
| ACD0600M^ABX | 4GE-30Y | 597,100 | 544,420 | 493,860 | 445,920 | 401,040 | 358,480 | 319,420 | 250,340 | 192,340 |
| ACD0660M^ABX | 6JE-33Y | 661,160 | 599,580 | 541,580 | 486,540 | 435,340 | 387,040 | 342,300 | 264,020 | 199,220 |
| ACD0700M^ABX | 6HE-35Y | 750,380 | 684,060 | 621,660 | 561,520 | 505,000 | 452,480 | 402,700 | 314,360 | 240,700 |
| ACD0800M^ABX | 6GE-40Y | 862,220 | 788,100 | 716,600 | 648,380 | 584,440 | 523,720 | 467,280 | 366,460 | 282,140 |
| ACD1100M^ABX | 6FE-50Y | 1,019,380 | 935,800 | 853,340 | 775,680 | 701,360 | 632,040 | 565,420 | 445,780 | 344,140 |

**Notes:**
*HEAD FAN REQUIRED*
^ C =208-230/3/60, D = 460/3/60, E = 575/3/60

# PERFORMANCE DATA – R-448A/R-449A

Medium Temperature - Dual Bitzer Compressor Models

| R-448A/R-449A | | Capacity BTUH @ 110°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 40°F | 35°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F | -10°F |
| ACD0300M^ABX | 4PES-15Y | 312,300 | 281,560 | 252,580 | 224,720 | 199,000 | 175,640 | 154,000 | 116,500 | 85,880 |
| ACD0400M^ABX | 4NES-20Y | - | - | 296,700 | 266,120 | 237,620 | 210,640 | 185,980 | 143,080 | 107,660 |
| ACD0440M^ABX | 4JE-22Y | - | - | - | 294,480 | 263,600 | 234,880 | 207,880 | 159,800 | 119,720 |
| ACD0500M^ABX | 4HE-25Y | - | - | - | - | 308,620 | 276,380 | 246,200 | 191,680 | 146,040 |
| ACD0600M^ABX | 4GE-30Y | - | - | 451,100 | 407,460 | 365,660 | 326,980 | 290,620 | 227,040 | 173,580 |
| ACD0660M^ABX | 6JE-33Y | - | - | 495,880 | 444,880 | 396,640 | 351,960 | 310,380 | 237,580 | 177,180 |
| ACD0700M^ABX | 6HE-35Y | - | - | - | - | 460,880 | 412,380 | 365,920 | 284,320 | 216,000 |
| ACD0800M^ABX | 6GE-40Y | - | - | 654,420 | 591,960 | 533,260 | 476,900 | 425,040 | 332,360 | 254,140 |
| ACD1100M^ABX | 6FE-50Y | - | - | - | - | 638,740 | 575,440 | 514,320 | 404,200 | 310,220 |

**Notes:**

*HEAD FAN REQUIRED*

^ C =208-230/3/60, D = 460/3/60, E = 575/3/60

# PERFORMANCE DATA – R-407A/R-407F

## Medium Temperature - Dual Bitzer Compressor Models

| R-407A/R-407F | | Capacity BTUH @ 90°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 40°F | 35°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F | -10°F |
| ACD0300M^ABX | 4PES-15Y | 375,440 | 340,840 | 307,720 | 276,800 | 246,960 | 219,920 | 194,560 | 150,220 | 113,040 |
| ACD0400M^ABX | 4NES-20Y | 428,960 | 390,120 | 353,720 | 319,100 | 286,460 | 256,140 | 227,380 | 176,940 | 134,460 |
| ACD0440M^ABX | 4JE-22Y | 467,400 | 426,360 | 386,280 | 348,780 | 313,360 | 280,480 | 248,980 | 192,740 | 145,300 |
| ACD0500M^ABX | 4HE-25Y | 531,420 | 485,540 | 441,120 | 398,180 | 358,000 | 320,360 | 285,200 | 220,960 | 166,600 |
| ACD0600M^ABX | 4GE-30Y | 651,320 | 594,020 | 538,860 | 486,320 | 437,420 | 391,000 | 347,680 | 270,880 | 205,660 |
| ACD0660M^ABX | 6JE-33Y | 711,840 | 647,500 | 587,220 | 529,700 | 475,160 | 424,660 | 376,860 | 291,560 | 219,260 |
| ACD0700M^ABX | 6HE-35Y | 820,600 | 750,480 | 681,600 | 616,680 | 555,480 | 497,800 | 443,860 | 345,720 | 262,560 |
| ACD0800M^ABX | 6GE-40Y | 965,980 | 880,880 | 800,560 | 723,900 | 651,200 | 583,540 | 518,740 | 404,360 | 307,320 |
| ACD1100M^ABX | 6FE-50Y | 1,122,260 | 1,026,220 | 933,180 | 845,780 | 762,480 | 683,980 | 610,460 | 476,360 | 362,460 |

| R-407A/R-407F | | Capacity BTUH @ 95°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 40°F | 35°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F | -10°F |
| **ACD0300M^ABX** | **4PES-15Y** | **359,740** | **326,440** | **294,580** | **264,740** | **236,140** | **209,900** | **185,680** | **142,740** | **106,820** |
| **ACD0400M^ABX** | **4NES-20Y** | **411,080** | **373,720** | **338,780** | **305,460** | **273,980** | **244,800** | **217,360** | **168,500** | **127,560** |
| **ACD0440M^ABX** | **4JE-22Y** | **447,600** | **408,180** | **369,620** | **333,540** | **299,400** | **267,620** | **237,080** | **183,280** | **137,360** |
| **ACD0500M^ABX** | **4HE-25Y** | **508,640** | **464,540** | **421,900** | **381,120** | **341,900** | **305,620** | **271,680** | **209,760** | **157,460** |
| **ACD0600M^ABX** | **4GE-30Y** | **625,160** | **569,960** | **516,900** | **466,300** | **419,060** | **373,880** | **332,440** | **258,360** | **195,440** |
| **ACD0660M^ABX** | **6JE-33Y** | **682,020** | **620,140** | **562,120** | **506,540** | **454,160** | **405,360** | **359,260** | **276,980** | **207,300** |
| **ACD0700M^ABX** | **6HE-35Y** | **786,300** | **718,980** | **653,960** | **590,420** | **531,520** | **475,940** | **423,900** | **329,240** | **249,160** |
| **ACD0800M^ABX** | **6GE-40Y** | **926,620** | **844,900** | **767,700** | **693,820** | **623,820** | **558,320** | **496,220** | **385,920** | **292,000** |
| **ACD1100M^ABX** | **6FE-50Y** | **1,073,200** | **983,340** | **894,020** | **810,060** | **729,960** | **654,320** | **583,080** | **454,080** | **344,300** |

| R-407A/R-407F | | Capacity BTUH @ 100°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 40°F | 35°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F | -10°F |
| ACD0300M^ABX | 4PES-15Y | 343,980 | 312,040 | 281,400 | 252,680 | 225,360 | 199,880 | 176,640 | 135,300 | 100,720 |
| ACD0400M^ABX | 4NES-20Y | 393,140 | 357,340 | 323,780 | 291,820 | 261,940 | 233,420 | 206,880 | 160,060 | 120,720 |
| ACD0440M^ABX | 4JE-22Y | 427,860 | 390,020 | 352,900 | 318,320 | 285,440 | 254,840 | 225,640 | 173,660 | 129,480 |
| ACD0500M^ABX | 4HE-25Y | 485,820 | 443,620 | 402,720 | 363,560 | 325,840 | 290,960 | 258,180 | 198,580 | 148,340 |
| ACD0600M^ABX | 4GE-30Y | 598,880 | 545,920 | 494,760 | 446,280 | 400,720 | 357,420 | 317,240 | 245,860 | 185,280 |
| ACD0660M^ABX | 6JE-33Y | 652,180 | 592,740 | 537,000 | 483,600 | 433,880 | 386,140 | 341,500 | 262,520 | 195,480 |
| ACD0700M^ABX | 6HE-35Y | 751,960 | 687,560 | 625,220 | 564,300 | 507,580 | 454,780 | 403,840 | 312,900 | 235,880 |
| ACD0800M^ABX | 6GE-40Y | 887,280 | 808,920 | 734,780 | 663,880 | 596,260 | 533,340 | 473,820 | 367,220 | 276,820 |
| ACD1100M^ABX | 6FE-50Y | - | 940,540 | 854,960 | 774,440 | 697,500 | 624,340 | 556,100 | 431,720 | 326,220 |

**Notes:**

*HEAD FAN REQUIRED*

^ C =208-230/3/60, D = 460/3/60, E = 575/3/60

# PERFORMANCE DATA – R-407A/R-407F

## Medium Temperature - Dual Bitzer Compressor Models

| R-407A/R-407F | | Capacity BTUH @ 110°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 40°F | 35°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F | -10°F |
| ACD0300M^ABX | 4PES-15Y | 312,560 | 283,280 | 255,560 | 228,300 | 203,340 | 180,220 | 158,620 | 120,500 | 88,660 |
| ACD0400M^ABX | 4NES-20Y | - | - | 293,920 | 264,580 | 237,060 | 210,640 | 186,360 | 143,360 | 107,020 |
| ACD0440M^ABX | 4JE-22Y | - | - | - | 288,160 | 257,860 | 229,560 | 202,580 | 154,740 | 113,900 |
| ACD0500M^ABX | 4HE-25Y | - | - | - | - | 294,060 | 262,360 | 231,440 | 177,000 | 130,520 |
| ACD0600M^ABX | 4GE-30Y | - | - | 451,020 | 406,980 | 364,280 | 324,740 | 287,120 | 221,280 | 165,300 |
| ACD0660M^ABX | 6JE-33Y | - | - | 487,200 | 438,060 | 392,060 | 348,000 | 306,800 | 233,980 | 172,200 |
| ACD0700M^ABX | 6HE-35Y | - | - | - | - | 460,200 | 411,520 | 364,260 | 280,620 | 209,640 |
| ACD0800M^ABX | 6GE-40Y | - | - | - | 604,140 | 542,540 | 483,200 | 428,520 | 330,400 | 246,920 |
| ACD1100M^ABX | 6FE-50Y | - | - | - | - | 632,940 | 565,760 | 502,760 | 388,040 | 290,760 |

**Notes:**

*HEAD FAN REQUIRED*

^ C =208-230/3/60, D = 460/3/60, E = 575/3/60

Liquid Injection is Required

# PERFORMANCE DATA – R-407C

## Medium Temperature - Dual Bitzer Compressor Models

| R-407C | | Capacity BTUH @ 90°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 40°F | 35°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F | -10°F |
| ACD0300M^ABX | 4PES-15Y | 338,920 | 305,680 | 274,860 | 246,200 | 219,140 | 194,560 | 171,560 | 131,260 | 96,740 |
| ACD0400M^ABX | 4NES-20Y | 389,200 | 352,640 | 317,500 | 285,180 | 255,000 | 226,980 | 200,980 | 154,960 | 115,540 |
| ACD0440M^ABX | 4JE-22Y | 431,420 | 390,660 | 351,860 | 314,920 | 280,900 | 249,300 | 219,940 | 167,260 | 122,220 |
| ACD0500M^ABX | 4HE-25Y | 502,380 | 456,200 | 412,040 | 369,900 | 330,900 | 294,660 | 260,920 | 199,940 | 147,300 |
| ACD0600M^ABX | 4GE-30Y | 611,720 | 555,120 | 501,200 | 450,860 | 403,180 | 359,120 | 318,000 | 245,420 | 182,980 |
| ACD0660M^ABX | 6JE-33Y | 636,560 | 576,640 | 519,760 | 466,300 | 416,620 | 370,420 | 327,400 | 251,860 | 187,060 |
| ACD0700M^ABX | 6HE-35Y | 740,600 | 671,820 | 607,460 | 546,720 | 490,360 | 437,180 | 387,680 | 300,060 | 225,260 |
| ACD0800M^ABX | 6GE-40Y | 884,460 | 803,900 | 727,160 | 655,600 | 587,660 | 524,480 | 466,580 | 363,220 | 275,020 |
| ACD1100M^ABX | 6FE-50Y | 1,022,700 | 928,880 | 840,360 | 757,080 | 678,860 | 606,600 | 538,240 | 417,760 | 314,480 |

| R-407C | | Capacity BTUH @ 95°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 40°F | 35°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F | -10°F |
| **ACD0300M^ABX** | **4PES-15Y** | **324,920** | **293,380** | **263,600** | **235,880** | **209,720** | **186,080** | **163,860** | **124,960** | **91,740** |
| **ACD0400M^ABX** | **4NES-20Y** | **373,940** | **338,600** | **304,700** | **273,480** | **244,400** | **217,380** | **192,460** | **147,860** | **109,940** |
| **ACD0440M^ABX** | **4JE-22Y** | **414,500** | **375,200** | **337,660** | **301,940** | **269,340** | **238,660** | **209,900** | **159,120** | **115,560** |
| **ACD0500M^ABX** | **4HE-25Y** | **483,140** | **438,560** | **395,940** | **355,700** | **317,480** | **282,380** | **249,720** | **190,800** | - |
| **ACD0600M^ABX** | **4GE-30Y** | **589,820** | **535,120** | **483,020** | **434,340** | **388,140** | **345,600** | **305,620** | **235,200** | **174,720** |
| **ACD0660M^ABX** | **6JE-33Y** | **611,700** | **553,980** | **499,100** | **448,040** | **399,560** | **355,180** | **313,440** | **240,640** | **178,120** |
| **ACD0700M^ABX** | **6HE-35Y** | **712,040** | **645,760** | **583,740** | **525,200** | **470,860** | **419,360** | **371,980** | **287,620** | **215,400** |
| **ACD0800M^ABX** | **6GE-40Y** | **852,180** | **774,600** | **700,540** | **631,520** | **565,840** | **505,000** | **449,000** | **349,340** | **264,340** |
| **ACD1100M^ABX** | **6FE-50Y** | **983,240** | **892,720** | **807,940** | **727,720** | **652,380** | **582,640** | **516,940** | **400,560** | **301,120** |

| R-407C | | Capacity BTUH @ 100°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 40°F | 35°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F | -10°F |
| ACD0300M^ABX | 4PES-15Y | 311,980 | 281,060 | 252,320 | 225,580 | 200,520 | 177,560 | 156,100 | 118,680 | 86,780 |
| ACD0400M^ABX | 4NES-20Y | 358,580 | 324,560 | 292,280 | 261,780 | 233,980 | 207,700 | 183,720 | 140,720 | 104,300 |
| ACD0440M^ABX | 4JE-22Y | 397,760 | 359,700 | 323,540 | 288,920 | 257,180 | 227,840 | 200,020 | 151,040 | 108,960 |
| ACD0500M^ABX | 4HE-25Y | 463,940 | 420,920 | 379,820 | 340,420 | 304,100 | 270,180 | 238,200 | 181,700 | - |
| ACD0600M^ABX | 4GE-30Y | 567,760 | 515,040 | 464,720 | 417,640 | 372,980 | 331,680 | 293,240 | 225,080 | 166,340 |
| ACD0660M^ABX | 6JE-33Y | 586,800 | 531,200 | 478,320 | 429,120 | 381,880 | 339,200 | 299,640 | 229,280 | 169,220 |
| ACD0700M^ABX | 6HE-35Y | 683,500 | 619,600 | 559,940 | 503,220 | 450,980 | 401,640 | 356,240 | 274,940 | 205,500 |
| ACD0800M^ABX | 6GE-40Y | 819,640 | 744,960 | 673,700 | 607,200 | 544,000 | 485,860 | 431,380 | 335,580 | 253,580 |
| ACD1100M^ABX | 6FE-50Y | 944,320 | 857,060 | 775,560 | 698,300 | 626,500 | 558,600 | 495,040 | 383,280 | 287,720 |

**Notes:**

*HEAD FAN REQUIRED*

^ C =208-230/3/60, D = 460/3/60, E = 575/3/60

# PERFORMANCE DATA – R-407C

## Medium Temperature - Dual Bitzer Compressor Models

| R-407C | | Capacity BTUH @ 110°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 40°F | 35°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F | -10°F |
| ACD0300M^ABX | 4PES-15Y | 284,560 | 256,340 | 229,880 | 204,600 | 181,660 | 160,180 | 140,480 | 106,040 | 76,680 |
| ACD0400M^ABX | 4NES-20Y | 328,040 | 296,480 | 266,200 | 238,340 | 212,560 | 188,320 | 166,120 | 126,560 | - |
| ACD0440M^ABX | 4JE-22Y | - | 328,880 | 295,260 | 263,300 | 234,160 | 206,340 | 180,900 | 135,200 | 95,820 |
| ACD0500M^ABX | 4HE-25Y | - | - | 347,500 | 310,960 | 277,300 | 246,200 | 216,640 | 163,520 | 117,840 |
| ACD0600M^ABX | 4GE-30Y | 523,900 | 475,040 | 428,240 | 384,260 | 342,740 | 304,240 | 268,660 | 204,960 | 149,980 |
| ACD0660M^ABX | 6JE-33Y | 537,940 | 485,500 | 436,580 | 390,980 | 347,680 | 307,680 | 271,340 | 206,620 | 151,380 |
| ACD0700M^ABX | 6HE-35Y | - | 566,700 | 511,840 | 459,960 | 411,700 | 366,020 | 323,900 | 249,480 | 185,520 |
| ACD0800M^ABX | 6GE-40Y | 754,760 | 685,880 | 619,940 | 558,440 | 500,020 | 446,380 | 396,000 | 307,600 | 232,080 |
| ACD1100M^ABX | 6FE-50Y | - | - | 710,280 | 639,060 | 572,840 | 510,140 | 451,880 | 349,080 | 261,020 |

**Notes:**

*HEAD FAN REQUIRED*

^ C =208-230/3/60, D = 460/3/60, E = 575/3/60

# UNIT SPECIFICATIONS

## Medium & Low Temperature - Dual Bitzer Compressor Models

| Model | Compressor | Refrigerant Line Connections (OD) | | | | Rec. Capacity @90% full (lbs) | | Condenser Fan Data | | Dimensions (In.) | | | Net Wt. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Standard (2 Each) | | Parallel Piped | | Standard (2 Each) | Parallel Piped | No. Fans | Dia. | Length | Width | Height | (lbs.) |
| | | Liquid | Suction | Liquid | Suction | | | | | | | | |
| ACD0260L^ABX | 4JE-15Y | 1-1/8 | 2-1/8 | 1-3/8 | 3-1/8 | 123 | 269 | 4 | 30" | 176.35 | 91.5 | 59.4 | 4,475 |
| ACD0300L^ABX | 4HE-18Y | 1-1/8 | 2-1/8 | 1-3/8 | 3-1/8 | 123 | 269 | 4 | 30" | 176.35 | 91.5 | 59.4 | 4,475 |
| ACD0400L^ABX | 4GE-23Y | 1-1/8 | 2-1/8 | 1-3/8 | 3-1/8 | 123 | 269 | 4 | 30" | 176.35 | 91.5 | 59.4 | 4,475 |
| ACD0440L^ABX | 6JE-25Y | 1-1/8 | 2-1/8 | 1-3/8 | 3-1/8 | 123 | 269 | 4 | 30" | 176.35 | 91.5 | 59.4 | 4,475 |
| ACD0500L^ABX | 6HE-28Y | 1-1/8 | 2-1/8 | 1-3/8 | 3-1/8 | 123 | 269 | 4 | 30" | 176.35 | 91.5 | 59.4 | 4,475 |
| ACD0600L^ABX | 6GE-34Y | 1-1/8 | 2-1/8 | 1-3/8 | 3-1/8 | 123 | 269 | 4 | 30" | 176.35 | 91.5 | 59.4 | 4,475 |
| ACD0800L^ABX | 6FE-44Y | 1-1/8 | 2-1/8 | 1-5/8 | 3-1/8 | 188 | 363 | 6 | 30" | 229.4 | 91.5 | 59.4 | 5,752 |
| ACD0300M^ABX | 4PES-15Y | 1-1/8 | 1-5/8 | 1-3/8 | 2-5/8 | 123 | 269 | 4 | 30" | 176.35 | 91.5 | 59.4 | 4,220 |
| ACD0400M^ABX | 4NES-20Y | 1-1/8 | 2-1/8 | 1-3/8 | 2-5/8 | 123 | 269 | 4 | 30" | 176.35 | 91.5 | 59.4 | 4,225 |
| ACD0440M^ABX | 4JE-22Y | 1-1/8 | 2-1/8 | 1-3/8 | 2-5/8 | 123 | 269 | 4 | 30" | 176.35 | 91.5 | 59.4 | 4,225 |
| ACD0500M^ABX | 4HE-25Y | 1-1/8 | 2-1/8 | 1-3/8 | 2-5/8 | 123 | 269 | 4 | 30" | 176.35 | 91.5 | 59.4 | 4,225 |
| ACD0600M^ABX | 4GE-30Y | 1-1/8 | 2-1/8 | 1-5/8 | 3-1/8 | 188 | 363 | 6 | 30" | 229.4 | 91.5 | 59.4 | 5,252 |
| ACD0660M^ABX | 6JE-33Y | 1-1/8 | 2-1/8 | 1-5/8 | 3-1/8 | 188 | 363 | 6 | 30" | 229.4 | 91.5 | 59.4 | 5,252 |
| ACD0700M^ABX | 6HE-35Y | 1-1/8 | 2-1/8 | 1-5/8 | 3-1/8 | 188 | 363 | 6 | 30" | 229.4 | 91.5 | 59.4 | 5,312 |
| ACD0800M^ABX | 6GE-40Y | 1-1/8 | 2-1/8 | 1-5/8 | 3-1/8 | 188 | 363 | 8 | 30" | 282.5 | 91.5 | 60.4 | 7,068 |
| ACD1100M^ABX | 6FE-50Y | 1-1/8 | 2-1/8 | 1-5/8 | 3-1/8 | 188 | 363 | 8 | 30" | 282.5 | 91.5 | 60.4 | 7,108 |

**Notes:**
^ C = 208-230/3/60, D = 460/3/60

# ELECTRICAL DATA

## Low Temperature - Dual Bitzer Compressor Models/208-230V

| Model | Compressor | Condensing Unit | | | | | | Remote Loads | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | 2 Contactors | | | | 1 Contactor | | | |
| | | Compressor | | Condenser | | Air Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | |
| | | RLA (Each) | LRA (Each) | No. Fans | FLA (Total) | MCA | MOPD | | | MCA | MOPD | | | MCA | MOPD |
| ACD0260LCABX | 4JE-15Y | 55.3 | 352 | 4 | 26.4 | 150.9 | 200 | 22 | 64 | 194.9 | 250 | 15 | 48 | 180.9 | 225 |
| ACD0300LCABX | 4HE-18Y | 59.8 | 352 | 4 | 26.4 | 161.0 | 200 | 25 | 83 | 211.0 | 250 | 15 | 48 | 191.0 | 250 |
| ACD0400LCABX | 4GE-23Y | 63.8 | 352 | 4 | 26.4 | 169.9 | 225 | 25 | 105 | 236.3 | 250 | 15 | 48 | 199.9 | 250 |
| ACD0440LCABX | 6JE-25Y | 78.5 | 490 | 4 | 26.4 | 203.1 | 250 | 25 | 105 | 253.1 | 300 | 15 | 48 | 233.1 | 300 |
| ACD0500LCABX | 6HE-28Y | 85.8 | 490 | 4 | 26.4 | 219.4 | 300 | 25 | 106 | 269.4 | 350 | 20 | 96 | 259.4 | 300 |
| ACD0600LCABX | 6GE-34Y | 93.6 | 490 | 4 | 26.4 | 237.0 | 300 | 30 | 159.1 | 358.0 | 400 | 20 | 96 | 277.0 | 350 |
| ACD0800LCABX | 6FE-44Y | 107.8 | 700 | 6 | 39.6 | 282.1 | 350 | 30 | 159.1 | 358.0 | 400 | 20 | 96 | 322.1 | 400 |

## Low Temperature - Dual Bitzer Compressor Models/460V

| Model | Compressor | Condensing Unit | | | | | | Remote Loads | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | 2 Contactors | | | | 1 Contactor | | | |
| | | Compressor | | Condenser | | Air Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | |
| | | RLA (Each) | LRA (Each) | No. Fans | FLA (Total) | MCA | MOPD | | | MCA | MOPD | | | MCA | MOPD |
| ACD0260LDABX | 4JE-15Y | 25.0 | 176 | 4 | 13.2 | 69.5 | 90 | 15 | 38 | 99.5 | 125 | 10 | 24 | 89.5 | 100 |
| ACD0300LDABX | 4HE-18Y | 27.1 | 176 | 4 | 13.2 | 74.1 | 100 | 15 | 48 | 108.0 | 125 | 15 | 40 | 104.1 | 125 |
| ACD0400LDABX | 4GE-23Y | 28.8 | 176 | 4 | 13.2 | 78.1 | 100 | 15 | 56.8 | 127.8 | 150 | 15 | 48 | 108.1 | 125 |
| ACD0440LDABX | 6JE-25Y | 35.5 | 245 | 4 | 13.2 | 93.1 | 125 | 15 | 56.8 | 127.8 | 150 | 15 | 48 | 123.1 | 150 |
| ACD0500LDABX | 6HE-28Y | 38.8 | 245 | 4 | 13.2 | 100.5 | 125 | 15 | 64 | 144.0 | 150 | 15 | 48 | 130.5 | 150 |
| ACD0600LDABX | 6GE-34Y | 42.3 | 245 | 4 | 13.2 | 108.4 | 150 | 20 | 76 | 171.0 | 175 | 15 | 48 | 138.4 | 175 |
| ACD0800LDABX | 6FE-44Y | 48.7 | 350 | 6 | 19.8 | 129.4 | 175 | 20 | 76 | 171.0 | 200 | 15 | 48 | 159.4 | 200 |

**Notes:**
MCA = Minimum Circuit Ampacity
MOP = Maximum Overcurrent Protection
Ratings shown at 60Hz.
intelliGen™ 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 condensing unit to allow termination on coils that have already defrosted to prevent unnecessary steaming. This option is not needed on intelliGen™ systems wired for a Master / Slave operation.

Mounted Electric Defrost Kits for condensing units include:
Defrost timer, Spring terminals, (1) evaporator fan contactor and:
One (1) defrost heater contactor for 1L and 1H codes
Two (2) defrost heater contactors for 2L and 2H codes
Four (4) defrost heater contactors for 4L and 4H codes
Power is supplied to each intelliGen™ evaporator.
Each coil terminates its own defrost. Refrigeration will not start until all coils have terminated defrost.
Contact factory for 575 volt electrical specification

# ELECTRICAL DATA

## Medium Temperature - Dual Bitzer Compressor Models/208-230V

| Model | Compressor | Condensing Unit | | | | | | Remote Loads | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | 2 Contactors | | | | 1 Contactor | | | |
| | | Compressor | | Condenser | | Air Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | |
| | | RLA (Each) | LRA (Each) | No. Fans | FLA (Total) | MCA | MOPD | | | MCA | MOPD | | | MCA | MOPD |
| ACD0300MCABX | 4PES-15Y | 53.8 | 294 | 4 | 26.4 | 147.6 | 200 | 25 | 96 | 216.0 | 250 | 25 | 96 | 216.0 | 250 |
| ACD0400MCABX | 4NES-20Y | 63.8 | 352 | 4 | 26.4 | 169.9 | 225 | 25 | 96 | 219.9 | 250 | 25 | 96 | 219.9 | 250 |
| ACD0440MCABX | 4JE-22Y | 68.1 | 352 | 4 | 26.4 | 179.6 | 225 | 25 | 108 | 243.0 | 250 | 20 | 96 | 219.6 | 250 |
| ACD0500MCABX | 4HE-25Y | 83.7 | 436 | 4 | 26.4 | 214.6 | 250 | 30 | 136.4 | 306.9 | 350 | - | - | - | - |
| ACD0600MCABX | 4GE-30Y | 99.2 | 490 | 6 | 39.6 | 262.9 | 350 | - | - | - | - | - | - | - | - |
| ACD0660MCABX | 6JE-33Y | 110.6 | 550 | 6 | 39.6 | 288.4 | 350 | - | - | - | - | - | - | - | - |
| ACD0700MCABX | 6HE-35Y | 116.2 | 550 | 6 | 39.6 | 301.1 | 400 | - | - | - | - | - | - | - | - |
| ACD0800MCABX | 6GE-40Y | 156.0 | 700 | 8 | 52.8 | 403.7 | 500 | - | - | - | - | - | - | - | - |
| ACD1100MCABX | 6FE-50Y | 158.8 | 950 | 8 | 52.8 | 410.1 | 500 | - | - | - | - | - | - | - | - |

## Medium Temperature - Dual Bitzer Compressor Models/460V

| Model | Compressor | Condensing Unit | | | | | | Remote Loads | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | 2 Contactors | | | | 1 Contactor | | | |
| | | Compressor | | Condenser | | Air Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | |
| | | RLA (Each) | LRA (Each) | No. Fans | FLA (Total) | MCA | MOPD | | | MCA | MOPD | | | MCA | MOPD |
| ACD0300MDABX | 4PES-15Y | 24.4 | 147 | 4 | 13.2 | 68.0 | 90 | 15 | 56.8 | 127.8 | 150 | 15 | 48 | 108.0 | 125 |
| ACD0400MDABX | 4NES-20Y | 28.8 | 176 | 4 | 13.2 | 78.1 | 100 | 15 | 56.8 | 127.8 | 150 | 15 | 48 | 108.1 | 125 |
| ACD0440MDABX | 4JE-22Y | 30.8 | 176 | 4 | 13.2 | 82.4 | 100 | 15 | 56.8 | 127.8 | 150 | 15 | 48 | 112.4 | 125 |
| ACD0500MDABX | 4HE-25Y | 37.8 | 218 | 4 | 13.2 | 98.3 | 125 | 20 | 67 | 150.8 | 175 | 15 | 68.2 | 153.5 | 175 |
| ACD0600MDABX | 4GE-30Y | 44.9 | 245 | 6 | 19.8 | 120.8 | 150 | 20 | 77 | 173.3 | 200 | 20 | 77 | 173.3 | 200 |
| ACD0660MDABX | 6JE-33Y | 50.0 | 275 | 6 | 19.8 | 132.3 | 175 | 20 | 77 | 173.3 | 200 | 20 | 77 | 173.3 | 200 |
| ACD0700MDABX | 6HE-35Y | 52.6 | 275 | 6 | 19.8 | 138.1 | 175 | 20 | 84 | 189.0 | 225 | 20 | 84 | 189.0 | 225 |
| ACD0800MDABX | 6GE-40Y | 70.5 | 350 | 8 | 26.4 | 185.1 | 250 | 20 | 96 | 225.1 | 250 | 20 | 96 | 225.1 | 250 |
| ACD1100MDABX | 6FE-50Y | 71.8 | 425 | 8 | 26.4 | 187.9 | 250 | 20 | 96 | 227.9 | 250 | 20 | 96 | 227.9 | 250 |

**Notes:**
MCA = Minimum Circuit Ampacity
MOP = Maximum Overcurrent Protection
Ratings shown at 60Hz.
intelliGen™ 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 condensing unit to allow termination on coils that have already defrosted to prevent unnecessary steaming. This option is not needed on intelliGen™ systems wired for a Master / Slave operation.

Mounted Electric Defrost Kits for condensing units include:
Defrost timer, Spring terminals, (1) evaporator fan contactor and:
One (1) defrost heater contactor for 1L and 1H codes
Two (2) defrost heater contactors for 2L and 2H codes
Four (4) defrost heater contactors for 4L and 4H codes
Power is supplied to each intelliGen™ evaporator.
Each coil terminates its own defrost. Refrigeration will not start until all coils have terminated defrost.
Contact factory for 575 volt electrical specification

# PERFORMANCE DATA – R-404A/R-507A

Medium Temperature - Dual Frascold Compressor Models

| R-404A/R-507A | | Capacity BTUH @ 90°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 40°F | 35°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F | -10°F |
| ACD0300M^AFX | S15-52Y-2NU | 394,080 | 363,640 | 334,820 | 306,900 | 280,080 | 254,500 | 230,220 | 186,080 | 147,500 |
| ACD0400M^AFX | S20-56Y-2NU | 423,420 | 392,340 | 361,260 | 332,100 | 303,840 | 276,900 | 251,160 | 203,580 | 161,760 |
| ACD0440M^AFX | V20-59Y-2NU | 436,000 | 402,240 | 368,560 | 335,920 | 305,260 | 276,340 | 248,100 | 196,760 | 152,860 |
| ACD0500M^AFX | V25-71Y-2NU | 505,000 | 469,360 | 431,720 | 395,240 | 359,660 | 325,640 | 293,600 | 234,540 | 183,220 |
| ACD0600M^AFX | V30-84Y-2NU | 638,060 | 588,680 | 539,440 | 492,980 | 447,940 | 405,660 | 364,940 | 291,180 | 227,540 |
| ACD0660M^AFX | V35-103Y-2NU | 716,640 | 666,480 | 616,760 | 566,740 | 519,440 | 473,380 | 429,860 | 347,720 | 274,760 |
| ACD0700M^AFX | Z35-106Y-2NU | 779,500 | 723,700 | 664,340 | 608,460 | 555,020 | 503,560 | 454,780 | 363,920 | 285,940 |
| ACD0800M^AFX | Z40-126Y-2NU | 933,160 | 862,400 | 792,860 | 723,620 | 658,540 | 597,140 | 536,680 | 426,800 | 332,760 |
| ACD1100M^AFX | Z50-154Y-2NU | 1,088,140 | 1,011,000 | 936,720 | 860,580 | 784,840 | 713,580 | 644,360 | 516,460 | 403,200 |

| R-404A/R-507A | | Capacity BTUH @ 95°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 40°F | 35°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F | -10°F |
| **ACD0300M^AFX** | **S15-52Y-2NU** | **375,800** | **347,040** | **319,800** | **293,340** | **268,240** | **243,660** | **220,600** | **178,080** | **140,680** |
| **ACD0400M^AFX** | **S20-56Y-2NU** | **403,400** | **374,240** | **345,580** | **317,300** | **290,580** | **264,760** | **240,340** | **194,660** | **154,340** |
| **ACD0440M^AFX** | **V20-59Y-2NU** | **412,680** | **380,740** | **350,100** | **319,140** | **289,980** | **262,400** | **235,680** | **186,660** | **144,420** |
| **ACD0500M^AFX** | **V25-71Y-2NU** | **-** | **445,160** | **409,820** | **375,540** | **341,080** | **309,360** | **279,240** | **222,440** | **173,400** |
| **ACD0600M^AFX** | **V30-84Y-2NU** | **607,180** | **560,520** | **513,880** | **469,260** | **426,860** | **386,480** | **347,800** | **277,020** | **216,020** |
| **ACD0660M^AFX** | **V35-103Y-2NU** | **-** | **-** | **588,120** | **541,120** | **496,760** | **452,360** | **410,660** | **331,500** | **261,240** |
| **ACD0700M^AFX** | **Z35-106Y-2NU** | **-** | **685,260** | **631,900** | **578,060** | **527,520** | **478,800** | **432,400** | **345,980** | **271,760** |
| **ACD0800M^AFX** | **Z40-126Y-2NU** | **885,200** | **818,760** | **752,620** | **687,440** | **625,840** | **567,260** | **509,480** | **405,900** | **315,960** |
| **ACD1100M^AFX** | **Z50-154Y-2NU** | **-** | **-** | **889,340** | **817,520** | **745,900** | **678,160** | **612,760** | **490,180** | **382,640** |

| R-404A/R-507A | | Capacity BTUH @ 100°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 40°F | 35°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F | -10°F |
| ACD0300M^AFX | S15-52Y-2NU | - | - | 304,560 | 279,660 | 255,700 | 232,300 | 210,400 | 169,900 | 133,860 |
| ACD0400M^AFX | S20-56Y-2NU | - | - | - | 302,340 | 277,080 | 252,920 | 229,140 | 185,680 | 146,880 |
| ACD0440M^AFX | V20-59Y-2NU | - | - | 331,480 | 302,220 | 274,640 | 248,380 | 222,980 | 176,320 | 135,980 |
| ACD0500M^AFX | V25-71Y-2NU | - | - | - | - | 323,060 | 293,060 | 264,420 | 210,400 | 163,680 |
| ACD0600M^AFX | V30-84Y-2NU | - | - | 488,860 | 445,960 | 406,240 | 366,740 | 330,140 | 262,940 | 204,680 |
| ACD0660M^AFX | V35-103Y-2NU | - | - | - | - | 472,760 | 431,580 | 391,740 | 315,900 | 248,060 |
| ACD0700M^AFX | Z35-106Y-2NU | - | - | - | 547,520 | 500,020 | 454,080 | 410,080 | 328,200 | 257,780 |
| ACD0800M^AFX | Z40-126Y-2NU | - | - | 712,360 | 650,980 | 592,820 | 537,520 | 483,300 | 384,640 | 299,260 |
| ACD1100M^AFX | Z50-154Y-2NU | - | - | - | - | 706,260 | 642,800 | 581,780 | 464,580 | 362,180 |

**Notes:**
^ C =208-230/3/60, D = 460/3/60, E = 575/3/60

# PERFORMANCE DATA – R-404A/R-507A

## Medium Temperature - Dual Frascold Compressor Models

| R-404A/R-507A | | Capacity BTUH @ 110°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 40°F | 35°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F | -10°F |
| ACD0300M^AFX | S15-52Y-2NU | - | - | - | - | - | - | - | 153,340 | 120,120 |
| ACD0400M^AFX | S20-56Y-2NU | - | - | - | - | - | - | - | 167,760 | 131,920 |
| ACD0440M^AFX | V20-59Y-2NU | - | - | - | - | - | - | - | 155,720 | 119,300 |
| ACD0500M^AFX | V25-71Y-2NU | - | - | - | - | - | - | - | 186,860 | 144,520 |
| ACD0600M^AFX | V30-84Y-2NU | - | - | - | - | - | - | - | 235,180 | 182,480 |
| ACD0660M^AFX | V35-103Y-2NU | - | - | - | - | - | - | - | - | 223,160 |
| ACD0700M^AFX | Z35-106Y-2NU | - | - | - | - | - | - | - | 293,520 | 230,500 |
| ACD0800M^AFX | Z40-126Y-2NU | - | - | - | - | - | - | - | 342,400 | 266,360 |
| ACD1100M^AFX | Z50-154Y-2NU | - | - | - | - | - | - | - | - | 321,760 |

**Notes:**
^ C =208-230/3/60, D = 460/3/60, E = 575/3/60

# PERFORMANCE DATA – R-448A/R-449A

Medium Temperature - Dual Frascold Compressor Models

| R-448A/R-449A | | Capacity BTUH @ 90°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 40°F | 35°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F | -10°F |
| ACD0300MΛAFX | S15-52Y-2NU | 386,260 | 349,840 | 315,100 | 282,760 | 251,940 | 223,780 | 197,380 | 152,000 | 114,520 |
| ACD0400MΛAFX | S20-56Y-2NU | 426,360 | 386,860 | 349,900 | 314,900 | 282,060 | 251,740 | 223,420 | 173,640 | 132,480 |
| ACD0440MΛAFX | V20-59Y-2NU | 437,100 | 398,200 | 360,780 | 325,280 | 292,180 | 260,880 | 231,760 | 180,380 | 137,460 |
| ACD0500MΛAFX | V25-71Y-2NU | 524,640 | 478,700 | 435,540 | 394,240 | 355,080 | 318,400 | 284,220 | 222,700 | 171,400 |
| ACD0600MΛAFX | V30-84Y-2NU | 636,920 | 581,560 | 528,300 | 477,680 | 430,200 | 385,060 | 343,680 | 269,820 | 207,800 |
| ACD0660MΛAFX | V35-103Y-2NU | 750,660 | 687,200 | 627,700 | 570,660 | 516,380 | 465,840 | 417,680 | 331,480 | 258,260 |
| ACD0700MΛAFX | Z35-106Y-2NU | 782,140 | 713,920 | 649,120 | 587,200 | 528,500 | 473,300 | 422,080 | 330,300 | 253,500 |
| ACD0800MΛAFX | Z40-126Y-2NU | 916,840 | 838,920 | 763,600 | 691,820 | 624,360 | 560,440 | 500,700 | 394,540 | 305,320 |
| ACD1100MΛAFX | Z50-154Y-2NU | 1,111,800 | 1,022,080 | 933,380 | 849,520 | 769,600 | 693,940 | 622,920 | 493,680 | 382,400 |

| R-448A/R-449A | | Capacity BTUH @ 95°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 40°F | 35°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F | -10°F |
| **ACD0300MΛAFX** | **S15-52Y-2NU** | **370,160** | **335,140** | **301,680** | **270,500** | **240,820** | **213,480** | **188,440** | **144,520** | **108,400** |
| **ACD0400MΛAFX** | **S20-56Y-2NU** | **409,060** | **371,120** | **335,580** | **301,880** | **270,580** | **240,980** | **213,560** | **165,740** | **126,060** |
| **ACD0440MΛAFX** | **V20-59Y-2NU** | **419,760** | **382,360** | **346,320** | **312,100** | **280,000** | **249,780** | **221,880** | **172,100** | **130,620** |
| **ACD0500MΛAFX** | **V25-71Y-2NU** | **503,340** | **460,200** | **417,880** | **378,200** | **340,540** | **305,600** | **272,280** | **212,920** | **163,380** |
| **ACD0600MΛAFX** | **V30-84Y-2NU** | **611,260** | **558,160** | **507,060** | **458,440** | **412,800** | **369,480** | **329,500** | **258,380** | **198,600** |
| **ACD0660MΛAFX** | **V35-103Y-2NU** | **719,800** | **660,560** | **602,480** | **547,900** | **495,900** | **447,480** | **401,160** | **318,200** | **247,640** |
| **ACD0700MΛAFX** | **Z35-106Y-2NU** | **751,400** | **685,820** | **623,640** | **564,080** | **507,280** | **454,680** | **404,880** | **316,200** | **241,960** |
| **ACD0800MΛAFX** | **Z40-126Y-2NU** | **879,940** | **805,360** | **733,160** | **664,260** | **599,340** | **537,880** | **480,620** | **378,140** | **292,080** |
| **ACD1100MΛAFX** | **Z50-154Y-2NU** | **1,064,040** | **978,520** | **893,820** | **814,160** | **737,740** | **665,300** | **597,180** | **472,580** | **366,020** |

| R-448A/R-449A | | Capacity BTUH @ 100°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 40°F | 35°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F | -10°F |
| ACD0300MΛAFX | S15-52Y-2NU | 354,100 | 320,420 | 288,300 | 258,280 | 229,620 | 203,420 | 179,400 | 137,140 | 102,420 |
| ACD0400MΛAFX | S20-56Y-2NU | 391,880 | 355,360 | 321,240 | 288,880 | 258,740 | 229,980 | 203,840 | 157,760 | 119,660 |
| ACD0440MΛAFX | V20-59Y-2NU | 403,160 | 366,500 | 331,880 | 298,760 | 267,980 | 238,580 | 211,680 | 163,880 | 123,800 |
| ACD0500MΛAFX | V25-71Y-2NU | 482,020 | 440,740 | 400,200 | 362,160 | 325,940 | 292,140 | 260,080 | 203,100 | 155,360 |
| ACD0600MΛAFX | V30-84Y-2NU | 585,320 | 534,620 | 485,680 | 439,020 | 395,200 | 353,960 | 315,140 | 246,900 | 189,380 |
| ACD0660MΛAFX | V35-103Y-2NU | 689,120 | 632,640 | 577,140 | 525,020 | 475,340 | 428,900 | 384,520 | 304,680 | 236,840 |
| ACD0700MΛAFX | Z35-106Y-2NU | 720,520 | 657,620 | 598,000 | 540,480 | 486,240 | 435,600 | 387,280 | 302,020 | 230,380 |
| ACD0800MΛAFX | Z40-126Y-2NU | 842,860 | 771,420 | 702,440 | 636,440 | 574,280 | 515,300 | 460,460 | 361,580 | 278,580 |
| ACD1100MΛAFX | Z50-154Y-2NU | 1,016,720 | 935,400 | 854,600 | 778,620 | 705,660 | 636,400 | 571,080 | 451,500 | 349,020 |

**Notes:**

*HEAD FAN REQUIRED FOR ALL OPERATING CONDITIONS*

Liquid Injection is Required

Λ C =208-230/3/60, D = 460/3/60, E = 575/3/60

# PERFORMANCE DATA – R-448A/R-449A

## Medium Temperature - Dual Frascold Compressor Models

| R-448A/R-449A | | Capacity BTUH @ 110°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 40°F | 35°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F | -10°F |
| ACD0300M^AFX | S15-52Y-2NU | - | 291,300 | 261,800 | 234,100 | 207,660 | 183,480 | 161,440 | 122,560 | 90,560 |
| ACD0400M^AFX | S20-56Y-2NU | - | - | 292,780 | 263,020 | 235,200 | 208,920 | 184,480 | 142,120 | 106,860 |
| ACD0440M^AFX | V20-59Y-2NU | - | - | 302,820 | 272,480 | 243,980 | 217,060 | 191,780 | 147,460 | 110,220 |
| ACD0500M^AFX | V25-71Y-2NU | - | - | - | - | 296,520 | 265,640 | 235,860 | 183,420 | 139,360 |
| ACD0600M^AFX | V30-84Y-2NU | - | - | 442,860 | 400,540 | 359,900 | 322,320 | 286,500 | 223,840 | 170,840 |
| ACD0660M^AFX | V35-103Y-2NU | - | - | - | - | 433,680 | 391,160 | 350,300 | 277,440 | 214,840 |
| ACD0700M^AFX | Z35-106Y-2NU | - | - | - | 493,780 | 444,580 | 397,200 | 352,520 | 273,740 | 207,000 |
| ACD0800M^AFX | Z40-126Y-2NU | - | - | 641,000 | 580,840 | 523,960 | 469,660 | 419,020 | 328,380 | 251,320 |
| ACD1100M^AFX | Z50-154Y-2NU | - | - | - | - | 640,460 | 578,380 | 517,980 | 408,380 | 313,960 |

**Notes:**

*HEAD FAN REQUIRED FOR ALL OPERATING CONDITIONS*

Liquid Injection is Required

^ C =208-230/3/60, D = 460/3/60, E = 575/3/60

# PERFORMANCE DATA – R-407A/R-407F

Medium Temperature - Dual Frascold Compressor Models

| R-407A/R-407F | | Capacity BTUH @ 90°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 40°F | 35°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F | -10°F |
| ACD0300MΛAFX | S15-52Y-2NU | 389,160 | 353,820 | 320,020 | 288,040 | 258,140 | 230,220 | 204,000 | 158,200 | 119,480 |
| ACD0400MΛAFX | S20-56Y-2NU | 424,880 | 386,300 | 350,260 | 316,060 | 283,920 | 254,080 | 226,140 | 176,500 | 134,500 |
| ACD0440MΛAFX | V20-59Y-2NU | 434,380 | 394,840 | 357,740 | 322,620 | 289,880 | 258,760 | 230,020 | 178,420 | 134,520 |
| ACD0500MΛAFX | V25-71Y-2NU | 509,960 | 466,120 | 423,140 | 383,080 | 344,860 | 308,980 | 275,320 | 213,960 | 161,400 |
| ACD0600MΛAFX | V30-84Y-2NU | 644,760 | 588,200 | 533,860 | 482,160 | 433,960 | 388,340 | 345,700 | 269,940 | 205,180 |
| ACD0660MΛAFX | V35-103Y-2NU | 753,160 | 688,280 | 625,140 | 566,140 | 510,240 | 458,220 | 408,740 | 320,040 | 244,340 |
| ACD0700MΛAFX | Z35-106Y-2NU | 788,640 | 719,160 | 654,740 | 591,400 | 532,440 | 477,680 | 425,580 | 332,260 | 252,760 |
| ACD0800MΛAFX | Z40-126Y-2NU | 946,800 | 866,240 | 788,340 | 713,980 | 644,320 | 577,760 | 514,860 | 402,800 | 306,640 |
| ACD1100MΛAFX | Z50-154Y-2NU | 1,127,980 | 1,034,200 | 941,480 | 855,280 | 772,840 | 694,900 | 621,820 | 487,740 | 371,420 |

| R-407A/R-407F | | Capacity BTUH @ 95°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 40°F | 35°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F | -10°F |
| **ACD0300MΛAFX** | **S15-52Y-2NU** | **372,580** | **338,720** | **306,260** | **275,500** | **246,800** | **219,780** | **194,700** | **150,620** | **113,160** |
| **ACD0400MΛAFX** | **S20-56Y-2NU** | **407,340** | **370,320** | **335,700** | **302,800** | **271,840** | **243,140** | **216,320** | **168,340** | **127,820** |
| **ACD0440MΛAFX** | **V20-59Y-2NU** | **416,120** | **378,240** | **342,580** | **308,820** | **277,300** | **247,020** | **219,340** | **169,840** | **127,440** |
| **ACD0500MΛAFX** | **V25-71Y-2NU** | **487,880** | **445,960** | **404,720** | **366,180** | **329,660** | **295,560** | **262,700** | **203,860** | **152,940** |
| **ACD0600MΛAFX** | **V30-84Y-2NU** | **618,720** | **564,480** | **512,320** | **462,660** | **416,200** | **371,960** | **331,140** | **258,100** | **195,500** |
| **ACD0660MΛAFX** | **V35-103Y-2NU** | **722,120** | **660,000** | **599,420** | **542,740** | **488,840** | **438,900** | **391,240** | **305,660** | **232,520** |
| **ACD0700MΛAFX** | **Z35-106Y-2NU** | **755,820** | **689,280** | **626,280** | **566,700** | **510,000** | **457,280** | **406,960** | **317,060** | **240,280** |
| **ACD0800MΛAFX** | **Z40-126Y-2NU** | **908,560** | **831,200** | **756,240** | **684,700** | **617,440** | **553,020** | **492,600** | **384,540** | **291,300** |
| **ACD1100MΛAFX** | **Z50-154Y-2NU** | **1,078,840** | **990,380** | **902,280** | **819,400** | **740,120** | **665,000** | **594,140** | **464,660** | **352,760** |

| R-407A/R-407F | | Capacity BTUH @ 100°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 40°F | 35°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F | -10°F |
| ACD0300MΛAFX | S15-52Y-2NU | 356,040 | 323,600 | 292,540 | 263,360 | 235,160 | 209,480 | 185,580 | 143,000 | 106,900 |
| ACD0400MΛAFX | S20-56Y-2NU | 389,820 | 354,340 | 321,140 | 289,580 | 260,140 | 231,880 | 206,140 | 160,200 | 121,140 |
| ACD0440MΛAFX | V20-59Y-2NU | 397,960 | 361,640 | 327,460 | 295,060 | 264,680 | 235,780 | 209,000 | 161,320 | 120,400 |
| ACD0500MΛAFX | V25-71Y-2NU | 465,840 | 425,760 | 386,360 | 349,420 | 314,420 | 281,260 | 249,860 | 193,520 | 144,500 |
| ACD0600MΛAFX | V30-84Y-2NU | 592,780 | 540,800 | 490,680 | 443,120 | 398,480 | 356,240 | 316,640 | 246,240 | 185,800 |
| ACD0660MΛAFX | V35-103Y-2NU | 691,100 | 631,780 | 573,760 | 519,420 | 467,720 | 419,640 | 373,220 | 291,300 | 220,760 |
| ACD0700MΛAFX | Z35-106Y-2NU | 722,960 | 659,380 | 599,160 | 542,020 | 487,660 | 436,960 | 388,240 | 301,900 | 227,840 |
| ACD0800MΛAFX | Z40-126Y-2NU | 870,280 | 796,160 | 724,220 | 655,400 | 589,800 | 528,580 | 470,740 | 366,040 | 276,100 |
| ACD1100MΛAFX | Z50-154Y-2NU | - | 947,520 | 863,160 | 783,680 | 707,500 | 635,300 | 567,020 | 441,960 | 334,140 |

**Notes:**
Λ C =208-230/3/60, D = 460/3/60, E = 575/3/60

# PERFORMANCE DATA – R-407A/R-407F

## Medium Temperature - Dual Frascold Compressor Models

| R-407A/R-407F | | Capacity BTUH @ 110°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 40°F | 35°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F | -10°F |
| ACD0300M^AFX | S15-52Y-2NU | - | 293,540 | 265,100 | 238,380 | 212,940 | 188,920 | 167,060 | 127,800 | 94,360 |
| ACD0400M^AFX | S20-56Y-2NU | - | - | 292,180 | 263,220 | 236,140 | 210,480 | 186,360 | 143,980 | 107,640 |
| ACD0440M^AFX | V20-59Y-2NU | - | - | 297,460 | 267,760 | 239,740 | 213,180 | 188,420 | 144,400 | 106,320 |
| ACD0500M^AFX | V25-71Y-2NU | - | - | - | 316,060 | 284,100 | 254,040 | 225,220 | 172,980 | 127,560 |
| ACD0600M^AFX | V30-84Y-2NU | - | - | 447,840 | 404,780 | 363,100 | 324,140 | 287,620 | 222,540 | 166,260 |
| ACD0660M^AFX | V35-103Y-2NU | - | - | - | 473,020 | 425,620 | 381,400 | 338,940 | 263,180 | 197,420 |
| ACD0700M^AFX | Z35-106Y-2NU | - | - | - | 492,960 | 443,900 | 396,560 | 352,140 | 272,220 | 203,160 |
| ACD0800M^AFX | Z40-126Y-2NU | - | - | - | 597,300 | 537,340 | 479,860 | 426,340 | 329,780 | 246,280 |
| ACD1100M^AFX | Z50-154Y-2NU | - | - | - | - | 643,040 | 576,220 | 513,440 | 397,780 | 297,920 |

**Notes:**

*HEAD FAN REQUIRED FOR ALL OPERATING CONDITIONS*

^ C =208-230/3/60, D = 460/3/60, E = 575/3/60

# PERFORMANCE DATA – R-407C

## Medium Temperature - Dual Frascold Compressor Models

| R-407C | | Capacity BTUH @ 90°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 40°F | 35°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F | -10°F |
| ACD0300MΛAFX | S15-52Y-2NU | 359,620 | 325,560 | 293,380 | 263,240 | 235,300 | 209,200 | 185,280 | 142,440 | 105,960 |
| ACD0400MΛAFX | S20-56Y-2NU | 395,840 | 359,480 | 325,520 | 293,460 | 263,400 | 235,580 | 209,500 | 162,720 | 122,160 |
| ACD0440MΛAFX | V20-59Y-2NU | 390,100 | 352,860 | 318,020 | 285,140 | 254,580 | 225,580 | 198,840 | 151,500 | 111,180 |
| ACD0500MΛAFX | V25-71Y-2NU | 462,800 | 420,260 | 380,120 | 342,200 | 306,680 | 273,960 | 243,120 | 189,140 | 143,800 |
| ACD0600MΛAFX | V30-84Y-2NU | 593,880 | 538,900 | 486,520 | 437,560 | 391,140 | 348,500 | 308,300 | 238,040 | 177,900 |
| ACD0660MΛAFX | V35-103Y-2NU | 694,840 | 629,620 | 568,860 | 511,380 | 457,440 | 407,580 | 360,860 | 278,100 | 208,120 |
| ACD0700MΛAFX | Z35-106Y-2NU | 710,880 | 644,960 | 582,040 | 522,700 | 467,740 | 415,800 | 368,620 | 286,000 | 217,280 |
| ACD0800MΛAFX | Z40-126Y-2NU | 852,940 | 775,640 | 701,140 | 631,060 | 563,640 | 500,980 | 442,180 | 337,920 | 248,720 |
| ACD1100MΛAFX | Z50-154Y-2NU | 1,024,040 | 931,740 | 841,600 | 757,300 | 677,600 | 603,360 | 532,920 | 407,560 | 300,460 |

| R-407C | | Capacity BTUH @ 95°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 40°F | 35°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F | -10°F |
| **ACD0300MΛAFX** | **S15-52Y-2NU** | **347,180** | **314,040** | **282,620** | **253,500** | **225,760** | **200,500** | **177,220** | **135,380** | - |
| **ACD0400MΛAFX** | **S20-56Y-2NU** | **380,840** | **346,380** | **313,120** | **282,260** | **253,260** | **226,360** | **200,960** | **155,880** | **116,420** |
| **ACD0440MΛAFX** | **V20-59Y-2NU** | **375,400** | **339,360** | **305,680** | **273,840** | **244,180** | **216,360** | **190,520** | **144,480** | **105,420** |
| **ACD0500MΛAFX** | **V25-71Y-2NU** | **446,560** | **405,440** | **366,920** | **330,380** | **296,140** | **264,520** | **235,000** | **182,860** | - |
| **ACD0600MΛAFX** | **V30-84Y-2NU** | **572,120** | **518,920** | **468,220** | **420,800** | **375,520** | **334,180** | **295,520** | **227,340** | **169,080** |
| **ACD0660MΛAFX** | **V35-103Y-2NU** | **666,700** | **603,700** | **545,100** | **489,660** | **437,660** | **389,640** | **344,480** | **265,340** | **198,560** |
| **ACD0700MΛAFX** | **Z35-106Y-2NU** | **682,540** | **619,140** | **558,520** | **501,400** | **448,440** | **398,500** | **353,200** | **273,880** | **208,140** |
| **ACD0800MΛAFX** | **Z40-126Y-2NU** | **817,840** | **743,640** | **672,160** | **604,820** | **539,860** | **479,900** | **423,000** | **322,640** | **236,480** |
| **ACD1100MΛAFX** | **Z50-154Y-2NU** | **985,160** | **894,840** | **809,540** | **728,100** | **651,040** | **579,140** | **511,020** | **390,000** | **285,880** |

| R-407C | | Capacity BTUH @ 100°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 40°F | 35°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F | -10°F |
| ACD0300MΛAFX | S15-52Y-2NU | 335,660 | 303,320 | 272,700 | 244,180 | 217,240 | 192,460 | 169,700 | 128,820 | - |
| ACD0400MΛAFX | S20-56Y-2NU | 365,820 | 332,100 | 300,640 | 270,960 | 243,000 | 216,840 | 192,500 | 148,920 | 110,720 |
| ACD0440MΛAFX | V20-59Y-2NU | 360,760 | 326,060 | 293,360 | 262,660 | 234,020 | 207,000 | 182,160 | 137,560 | 99,740 |
| ACD0500MΛAFX | V25-71Y-2NU | 430,600 | 391,120 | 354,000 | 318,880 | 285,940 | 255,400 | 226,880 | 176,880 | - |
| ACD0600MΛAFX | V30-84Y-2NU | 550,320 | 498,940 | 449,960 | 404,020 | 360,400 | 320,240 | 283,100 | 216,780 | 160,280 |
| ACD0660MΛAFX | V35-103Y-2NU | 638,460 | 577,820 | 521,360 | 467,960 | 418,520 | 371,200 | 328,320 | 252,480 | 189,000 |
| ACD0700MΛAFX | Z35-106Y-2NU | 654,560 | 593,600 | 535,300 | 480,100 | 429,220 | 381,920 | 338,060 | 262,100 | 199,320 |
| ACD0800MΛAFX | Z40-126Y-2NU | 782,540 | 711,480 | 642,920 | 578,320 | 516,120 | 458,100 | 403,800 | 307,300 | 224,000 |
| ACD1100MΛAFX | Z50-154Y-2NU | 947,300 | 860,360 | 778,040 | 699,440 | 625,640 | 555,460 | 490,060 | 372,600 | 271,720 |

**Notes:**

*HEAD FAN REQUIRED FOR ALL OPERATING CONDITIONS*

Liquid Injection is Required

Λ C =208-230/3/60, D = 460/3/60, E = 575/3/60

# PERFORMANCE DATA – R-407C

## Medium Temperature - Dual Frascold Compressor Models

| R-407C | | Capacity BTUH @ 110°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 40°F | 35°F | 30°F | 25°F | 20°F | 15°F | 10°F | 0°F | -10°F |
| ACD0300M^AFX | S15-52Y-2NU | 315,880 | 285,120 | 256,040 | 228,560 | 202,940 | 179,200 | 157,280 | 118,040 | 84,260 |
| ACD0400M^AFX | S20-56Y-2NU | 335,480 | 305,020 | 275,500 | 248,100 | 222,420 | 198,180 | 175,540 | 134,720 | 99,040 |
| ACD0440M^AFX | V20-59Y-2NU | 331,960 | 299,780 | 269,560 | 240,960 | 214,020 | 188,960 | 165,880 | - | 88,720 |
| ACD0500M^AFX | V25-71Y-2NU | - | - | 329,160 | 296,800 | 266,620 | 238,300 | 212,120 | 165,780 | - |
| ACD0600M^AFX | V30-84Y-2NU | 507,240 | 459,480 | 413,480 | 370,680 | 330,380 | 292,400 | 257,780 | 195,860 | 142,880 |
| ACD0660M^AFX | V35-103Y-2NU | - | 526,260 | 474,080 | 424,840 | 378,820 | 336,020 | 296,100 | 227,260 | 170,120 |
| ACD0700M^AFX | Z35-106Y-2NU | - | 543,160 | 489,680 | 439,800 | 392,420 | 349,220 | 308,820 | 239,620 | 182,760 |
| ACD0800M^AFX | Z40-126Y-2NU | 712,560 | 647,620 | 584,900 | 525,380 | 468,700 | 415,200 | 365,820 | 276,460 | 199,380 |
| ACD1100M^AFX | Z50-154Y-2NU | - | - | 716,580 | 643,700 | 575,040 | 509,340 | 448,640 | 339,360 | 244,920 |

**Notes:**

*HEAD FAN REQUIRED FOR ALL OPERATING CONDITIONS*

Liquid Injection is Required

^ C =208-230/3/60, D = 460/3/60, E = 575/3/60

# PERFORMANCE DATA – R-404A/R-507A

## Low Temperature - Dual Frascold Compressor Models

| R-404A/R-507A | | Capacity BTUH @ 90°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| ACD0260L\AFX | V15-59Y-2NU | 205,200 | 184,020 | 164,160 | 145,780 | 128,540 | 112,440 | 97,420 | 83,160 | 69,660 |
| ACD0300L\AFX | V15-71Y-2NU | 241,920 | 217,220 | 193,820 | 172,200 | 151,920 | 132,940 | 115,140 | 98,120 | 81,940 |
| ACD0400L\AFX | V20-84Y-2NU | 273,420 | 245,180 | 218,380 | 193,020 | 169,420 | 147,140 | 126,560 | 107,500 | 89,960 |
| ACD0440L\AFX | V25-103Y-2NU | 319,360 | 286,120 | 254,380 | 224,500 | 196,100 | 169,700 | 145,340 | 122,620 | 101,780 |
| ACD0500L\AFX | Z25-106Y-2NU | 338,420 | 303,300 | 269,600 | 237,480 | 206,840 | 178,540 | 152,320 | 128,120 | 106,040 |
| ACD0600L\AFX | Z30-126Y-2NU | 377,060 | 339,820 | 303,480 | 269,080 | 236,440 | 205,180 | 176,420 | 149,520 | 124,720 |
| ACD0800L\AFX | Z40-154Y-2NU | 514,820 | 465,400 | 418,720 | 373,140 | 330,620 | 289,980 | 252,000 | 215,240 | 179,660 |

| R-404A/R-507A | | Capacity BTUH @ 95°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| **ACD0260L\AFX** | **V15-59Y-2NU** | **196,420** | **175,800** | **156,880** | **139,060** | **122,420** | **106,820** | **92,280** | **78,420** | **65,260** |
| **ACD0300L\AFX** | **V15-71Y-2NU** | **230,740** | **207,120** | **184,840** | **164,060** | **144,500** | **126,120** | **108,740** | **92,300** | **76,500** |
| **ACD0400L\AFX** | **V20-84Y-2NU** | **258,740** | **231,960** | **206,880** | **183,180** | **160,700** | **139,620** | **120,160** | **102,060** | **85,420** |
| **ACD0440L\AFX** | **V25-103Y-2NU** | **301,780** | **269,860** | **240,200** | **212,120** | **184,800** | **159,380** | **136,260** | **114,700** | **95,000** |
| **ACD0500L\AFX** | **Z25-106Y-2NU** | **320,260** | **287,160** | **255,720** | **224,540** | **195,640** | **168,760** | **143,760** | **120,680** | **99,520** |
| **ACD0600L\AFX** | **Z30-126Y-2NU** | **355,980** | **320,240** | **286,800** | **254,300** | **222,940** | **193,620** | **166,320** | **140,680** | **117,020** |
| **ACD0800L\AFX** | **Z40-154Y-2NU** | **490,000** | **443,020** | **398,460** | **355,320** | **313,800** | **274,920** | **237,760** | **202,000** | **167,180** |

| R-404A/R-507A | | Capacity BTUH @ 100°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| ACD0260L\AFX | V15-59Y-2NU | 187,000 | 167,440 | 149,360 | 132,240 | 116,180 | 101,140 | 86,980 | 73,580 | 60,760 |
| ACD0300L\AFX | V15-71Y-2NU | 219,820 | 197,140 | 175,780 | 155,880 | 137,000 | 119,280 | 102,520 | 86,440 | 71,060 |
| ACD0400L\AFX | V20-84Y-2NU | 243,780 | 219,100 | 195,240 | 173,060 | 151,840 | 132,080 | 113,720 | 96,660 | 80,880 |
| ACD0440L\AFX | V25-103Y-2NU | - | 254,020 | 225,900 | 199,140 | 173,480 | 149,300 | 127,160 | 106,760 | 88,200 |
| ACD0500L\AFX | Z25-106Y-2NU | 302,100 | 271,000 | 241,320 | 212,000 | 184,520 | 159,060 | 135,320 | 113,400 | 93,280 |
| ACD0600L\AFX | Z30-126Y-2NU | - | 301,460 | 270,080 | 239,920 | 210,200 | 182,120 | 156,300 | 131,940 | 109,480 |
| ACD0800L\AFX | Z40-154Y-2NU | 464,780 | 420,340 | 377,920 | 336,620 | 296,780 | 259,360 | 223,340 | 188,600 | 154,540 |

| R-404A/R-507A | | Capacity BTUH @ 110°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| ACD0260L\AFX | V15-59Y-2NU | - | 150,540 | 133,940 | 118,100 | 103,420 | 89,400 | 76,240 | 63,640 | 51,600 |
| ACD0300L\AFX | V15-71Y-2NU | - | - | 157,740 | 139,380 | 121,980 | 105,460 | 89,760 | 74,700 | 60,140 |
| ACD0400L\AFX | V20-84Y-2NU | - | - | 172,160 | 152,580 | 134,200 | 116,960 | 100,920 | 85,980 | 72,140 |
| ACD0440L\AFX | V25-103Y-2NU | - | - | - | - | - | 128,700 | 108,940 | 90,880 | 74,420 |
| ACD0500L\AFX | Z25-106Y-2NU | - | - | - | - | 162,820 | 140,040 | 118,900 | 99,340 | 81,360 |
| ACD0600L\AFX | Z30-126Y-2NU | - | - | - | - | - | 159,740 | 136,600 | 114,920 | 94,820 |
| ACD0800L\AFX | Z40-154Y-2NU | - | - | - | - | 262,620 | 227,740 | 194,140 | 161,080 | 128,900 |

**Notes:**

*HEAD FAN REQUIRED FOR ALL OPERATING CONDITIONS*

Liquid Injection is Required

^ C =208-230/3/60, D = 460/3/60, E = 575/3/60

# PERFORMANCE DATA – R-448A/R-449A

## Low Temperature - Dual Frascold Compressor Models

| R-448A/R-449A | | Capacity BTUH @ 90°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| ACD0260L^AFX | V15-59Y-2NU | 187,360 | 164,600 | 143,920 | 124,740 | 107,220 | 91,100 | 76,480 | 63,000 | 50,580 |
| ACD0300L^AFX | V15-71Y-2NU | 227,300 | 200,120 | 175,160 | 152,420 | 131,500 | 112,440 | 95,020 | 79,080 | 64,420 |
| ACD0400L^AFX | V20-84Y-2NU | 269,780 | 238,720 | 210,400 | 184,180 | 160,220 | 138,040 | 117,600 | 98,440 | 80,320 |
| ACD0440L^AFX | V25-103Y-2NU | 316,320 | 281,860 | 249,900 | 219,360 | 191,140 | 164,480 | 140,200 | 117,200 | 95,420 |
| ACD0500L^AFX | Z25-106Y-2NU | 322,280 | 285,200 | 250,760 | 218,800 | 189,040 | 162,080 | 137,240 | 114,260 | 92,880 |
| ACD0600L^AFX | Z30-126Y-2NU | 386,200 | 345,140 | 306,380 | 269,960 | 235,760 | 204,000 | 174,740 | 147,780 | 122,620 |
| ACD0800L^AFX | Z40-154Y-2NU | 492,380 | 437,100 | 385,080 | 336,840 | 291,800 | 250,780 | 213,080 | 178,300 | 146,300 |

| R-448A/R-449A | | Capacity BTUH @ 95°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| **ACD0260L^AFX** | **V15-59Y-2NU** | 179,360 | 157,500 | 137,380 | 118,860 | 101,900 | 86,340 | 72,200 | 59,180 | 47,200 |
| **ACD0300L^AFX** | **V15-71Y-2NU** | 218,020 | 191,560 | 167,620 | 145,500 | 125,280 | 106,880 | 90,060 | 74,660 | 60,500 |
| **ACD0400L^AFX** | **V20-84Y-2NU** | 258,740 | 229,040 | 201,600 | 176,340 | 153,240 | 131,900 | 112,200 | 93,740 | 76,280 |
| **ACD0440L^AFX** | **V25-103Y-2NU** | 302,780 | 269,660 | 238,900 | 209,500 | 182,000 | 156,440 | 132,980 | 110,700 | 89,540 |
| **ACD0500L^AFX** | **Z25-106Y-2NU** | 307,920 | 272,760 | 239,420 | 208,460 | 179,900 | 153,920 | 129,920 | 107,700 | 86,980 |
| **ACD0600L^AFX** | **Z30-126Y-2NU** | 370,140 | 330,600 | 293,540 | 258,660 | 225,520 | 195,040 | 166,900 | 140,620 | 116,180 |
| **ACD0800L^AFX** | **Z40-154Y-2NU** | 472,260 | 419,180 | 369,040 | 322,240 | 278,920 | 239,220 | 202,640 | 168,780 | 137,320 |

| R-448A/R-449A | | Capacity BTUH @ 100°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| ACD0260L^AFX | V15-59Y-2NU | 171,280 | 150,220 | 130,800 | 112,920 | 96,560 | 81,520 | 67,880 | 55,380 | 43,800 |
| ACD0300L^AFX | V15-71Y-2NU | 208,640 | 183,020 | 159,940 | 138,600 | 119,100 | 101,320 | 85,080 | 70,240 | 56,600 |
| ACD0400L^AFX | V20-84Y-2NU | 247,700 | 219,160 | 192,780 | 168,500 | 146,340 | 125,780 | 106,840 | 89,100 | 72,300 |
| ACD0440L^AFX | V25-103Y-2NU | 289,140 | 257,340 | 227,680 | 199,380 | 172,960 | 148,540 | 125,680 | 104,120 | 83,560 |
| ACD0500L^AFX | Z25-106Y-2NU | 293,860 | 260,040 | 227,980 | 198,160 | 170,900 | 145,660 | 122,520 | 100,960 | 81,020 |
| ACD0600L^AFX | Z30-126Y-2NU | 353,940 | 316,400 | 280,860 | 247,360 | 215,560 | 186,060 | 158,900 | 133,460 | 109,760 |
| ACD0800L^AFX | Z40-154Y-2NU | 451,980 | 401,040 | 352,500 | 307,680 | 265,860 | 227,480 | 192,000 | 159,100 | 128,460 |

| R-448A/R-449A | | Capacity BTUH @ 110°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| ACD0260L^AFX | V15-59Y-2NU | 155,200 | 135,540 | 117,500 | 100,800 | 85,600 | 71,740 | 59,140 | 47,540 | 36,800 |
| ACD0300L^AFX | V15-71Y-2NU | 189,620 | 166,080 | 144,700 | 124,900 | 106,820 | 90,340 | 75,300 | 61,540 | 48,940 |
| ACD0400L^AFX | V20-84Y-2NU | 225,940 | 199,600 | 175,400 | 153,200 | 132,680 | 113,800 | 96,280 | 80,020 | 64,560 |
| ACD0440L^AFX | V25-103Y-2NU | - | 232,320 | 205,200 | 179,200 | 154,600 | 132,040 | 110,780 | 90,500 | 71,340 |
| ACD0500L^AFX | Z25-106Y-2NU | 265,360 | 234,340 | 204,780 | 177,320 | 152,260 | 128,960 | 107,520 | 87,460 | 68,900 |
| ACD0600L^AFX | Z30-126Y-2NU | - | - | 255,420 | 224,680 | 195,600 | 168,120 | 142,940 | 119,220 | 97,020 |
| ACD0800L^AFX | Z40-154Y-2NU | 411,020 | 364,280 | 319,760 | 278,080 | 239,520 | 203,540 | 170,280 | 139,100 | - |

**Notes:**

*HEAD FAN REQUIRED FOR ALL OPERATING CONDITIONS*

Liquid Injection is Required

^ C =208-230/3/60, D = 460/3/60, E = 575/3/60

# PERFORMANCE DATA – R-407A/R-407F

## Low Temperature - Dual Frascold Compressor Models

| R-407A/R-407F | | Capacity BTUH @ 90°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| ACD0260L^AFX | V15-59Y-2NU | 178,880 | 156,160 | 135,280 | 116,060 | 98,320 | 81,680 | 66,120 | 51,100 | 36,460 |
| ACD0300L^AFX | V15-71Y-2NU | 220,620 | 193,120 | 168,160 | 145,000 | 123,540 | 103,520 | 84,560 | 66,360 | 48,560 |
| ACD0400L^AFX | V20-84Y-2NU | 269,080 | 236,800 | 207,320 | 179,840 | 154,540 | 130,760 | 108,280 | 86,600 | 65,300 |
| ACD0440L^AFX | V25-103Y-2NU | 303,620 | 267,900 | 235,100 | 203,840 | 174,940 | 147,900 | 122,060 | 96,980 | 72,140 |
| ACD0500L^AFX | Z25-106Y-2NU | 316,260 | 278,480 | 242,820 | 209,740 | 179,240 | 150,500 | 123,320 | 96,940 | 71,200 |
| ACD0600L^AFX | Z30-126Y-2NU | 366,880 | 324,060 | 284,260 | 246,800 | 211,160 | 177,400 | 145,780 | 115,420 | 86,520 |
| ACD0800L^AFX | Z40-154Y-2NU | 477,680 | 421,640 | 368,240 | 318,840 | 272,800 | 229,500 | 188,940 | 150,440 | 113,480 |

| R-407A/R-407F | | Capacity BTUH @ 95°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| **ACD0260L^AFX** | **V15-59Y-2NU** | 170,460 | 148,480 | 128,300 | 109,760 | 92,560 | 76,660 | 61,720 | 47,400 | 33,380 |
| **ACD0300L^AFX** | **V15-71Y-2NU** | 210,780 | 184,160 | 160,020 | 137,640 | 116,940 | 97,600 | 79,480 | 62,040 | 45,020 |
| **ACD0400L^AFX** | **V20-84Y-2NU** | 257,840 | 226,680 | 198,080 | 171,560 | 147,180 | 124,260 | 102,640 | 81,820 | 61,400 |
| **ACD0440L^AFX** | **V25-103Y-2NU** | 290,500 | 255,960 | 224,220 | 194,040 | 166,160 | 140,140 | 115,300 | 91,220 | 67,420 |
| **ACD0500L^AFX** | **Z25-106Y-2NU** | 302,020 | 265,060 | 230,820 | 199,160 | 169,720 | 142,060 | 115,960 | 90,640 | 65,980 |
| **ACD0600L^AFX** | **Z30-126Y-2NU** | 349,480 | 308,900 | 270,480 | 234,140 | 199,540 | 167,240 | 136,760 | 107,700 | 79,740 |
| **ACD0800L^AFX** | **Z40-154Y-2NU** | 456,600 | 402,380 | 351,220 | 303,080 | 258,600 | 216,900 | 177,800 | 140,560 | 105,340 |

| R-407A/R-407F | | Capacity BTUH @ 100°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| ACD0260L^AFX | V15-59Y-2NU | 162,180 | 140,960 | 121,500 | 103,600 | 87,080 | 71,780 | 57,500 | 43,800 | 30,420 |
| ACD0300L^AFX | V15-71Y-2NU | 201,140 | 175,380 | 152,080 | 130,460 | 110,560 | 91,960 | 74,580 | 57,900 | 41,660 |
| ACD0400L^AFX | V20-84Y-2NU | 246,860 | 216,880 | 189,160 | 163,580 | 140,080 | 118,000 | 97,240 | 77,280 | 57,760 |
| ACD0440L^AFX | V25-103Y-2NU | 277,640 | 244,360 | 213,640 | 184,840 | 157,700 | 132,680 | 108,840 | 85,760 | 63,000 |
| ACD0500L^AFX | Z25-106Y-2NU | 288,140 | 252,740 | 219,780 | 188,840 | 160,580 | 134,000 | 108,940 | 84,660 | 61,060 |
| ACD0600L^AFX | Z30-126Y-2NU | 333,220 | 294,080 | 256,940 | 221,920 | 188,520 | 157,460 | 128,100 | 100,100 | 73,200 |
| ACD0800L^AFX | Z40-154Y-2NU | 436,600 | 383,420 | 334,220 | 287,760 | 244,860 | 204,580 | 166,960 | 131,140 | 97,200 |

| R-407A/R-407F | | Capacity BTUH @ 110°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| ACD0260L^AFX | V15-59Y-2NU | 146,460 | 126,560 | 108,480 | 91,940 | 76,700 | 62,680 | 49,620 | 37,180 | 25,060 |
| ACD0300L^AFX | V15-71Y-2NU | 182,500 | 158,720 | 136,920 | 116,900 | 98,520 | 81,440 | 65,520 | 50,320 | 35,580 |
| ACD0400L^AFX | V20-84Y-2NU | 225,700 | 197,980 | 172,160 | 148,500 | 126,760 | 106,420 | 87,360 | 69,100 | 51,280 |
| ACD0440L^AFX | V25-103Y-2NU | 253,020 | 222,480 | 193,640 | 166,840 | 142,120 | 118,920 | 97,000 | 75,820 | 55,160 |
| ACD0500L^AFX | Z25-106Y-2NU | 261,420 | 228,540 | 198,160 | 169,460 | 143,420 | 118,920 | 95,820 | 73,760 | 52,260 |
| ACD0600L^AFX | Z30-126Y-2NU | - | 265,840 | 231,760 | 198,800 | 168,080 | 139,100 | 111,880 | 85,880 | 61,220 |
| ACD0800L^AFX | Z40-154Y-2NU | 396,720 | 347,480 | 301,680 | 258,720 | 218,900 | 181,560 | 146,740 | 113,800 | 82,400 |

**Notes:**

*HEAD FAN REQUIRED FOR ALL OPERATING CONDITIONS*

Liquid Injection is Required

^ C =208-230/3/60, D = 460/3/60, E = 575/3/60

# UNIT SPECIFICATIONS

## Medium & Low Temperature - Dual Frascold Compressor Models

| Model | Compressor | Refrigerant Line Connections (OD) | | | | Rec. Capacity @90% full (lbs) | | Condenser Fan Data | | Dimensions (In.) | | | Net Wt. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Standard (2 Each) | | Parallel Piped | | Standard (2 Each) | Parallel Piped | No. Fans | Dia. | Length | Width | Height | (lbs.) |
| | | Liquid | Suction | Liquid | Suction | | | | | | | | |
| ACD0260L^AFX | V15-59Y-2NU | 1-1/8 | 2-1/8 | 1-3/8 | 3-1/8 | 123 | 269 | 4 | 30" | 176.35 | 91.5 | 59.4 | 4,412 |
| ACD0300L^AFX | V15-71Y-2NU | 1-1/8 | 2-1/8 | 1-3/8 | 3-1/8 | 123 | 269 | 4 | 30" | 176.35 | 91.5 | 59.4 | 4,421 |
| ACD0400L^AFX | V20-84Y-2NU | 1-1/8 | 2-1/8 | 1-3/8 | 3-1/8 | 123 | 269 | 4 | 30" | 176.35 | 91.5 | 59.4 | 4,429 |
| ACD0440L^AFX | V25-103Y-2NU | 1-1/8 | 2-1/8 | 1-3/8 | 3-1/8 | 123 | 269 | 4 | 30" | 176.35 | 91.5 | 59.4 | 4,403 |
| ACD0500L^AFX | Z25-106Y-2NU | 1-1/8 | 2-1/8 | 1-3/8 | 3-1/8 | 123 | 269 | 4 | 30" | 176.35 | 91.5 | 59.4 | 4,458 |
| ACD0600L^AFX | Z30-126Y-2NU | 1-1/8 | 2-1/8 | 1-3/8 | 3-1/8 | 123 | 269 | 4 | 30" | 176.35 | 91.5 | 59.4 | 4,458 |
| ACD0800L^AFX | Z40-154Y-2NU | 1-1/8 | 2-1/8 | 1-5/8 | 3-1/8 | 188 | 363 | 6 | 30" | 229.4 | 91.5 | 59.4 | 5,700 |
| ACD0300M^AFX | S15-52Y-2NU | 1-1/8 | 1-5/8 | 1-3/8 | 2-5/8 | 123 | 269 | 4 | 30" | 176.35 | 91.5 | 59.4 | 4,157 |
| ACD0400M^AFX | S20-56Y-2NU | 1-1/8 | 2-1/8 | 1-3/8 | 2-5/8 | 123 | 269 | 4 | 30" | 176.35 | 91.5 | 59.4 | 4,166 |
| ACD0440M^AFX | V20-59Y-2NU | 1-1/8 | 2-1/8 | 1-3/8 | 2-5/8 | 123 | 269 | 4 | 30" | 176.35 | 91.5 | 59.4 | 4,171 |
| ACD0500M^AFX | V25-71Y-2NU | 1-1/8 | 2-1/8 | 1-3/8 | 2-5/8 | 123 | 269 | 4 | 30" | 176.35 | 91.5 | 59.4 | 4,184 |
| ACD0600M^AFX | V30-84Y-2NU | 1-1/8 | 2-1/8 | 1-5/8 | 3-1/8 | 188 | 363 | 6 | 30" | 229.4 | 91.5 | 59.4 | 5,191 |
| ACD0660M^AFX | V35-103Y-2NU | 1-1/8 | 2-1/8 | 1-5/8 | 3-1/8 | 188 | 363 | 6 | 30" | 229.4 | 91.5 | 59.4 | 5,180 |
| ACD0700M^AFX | Z35-106Y-2NU | 1-1/8 | 2-1/8 | 1-5/8 | 3-1/8 | 188 | 363 | 6 | 30" | 229.4 | 91.5 | 59.4 | 5,236 |
| ACD0800M^AFX | Z40-126Y-2NU | 1-1/8 | 2-1/8 | 1-5/8 | 3-1/8 | 188 | 363 | 8 | 30" | 282.5 | 91.5 | 60.4 | 7,023 |
| ACD1100M^AFX | Z50-154Y-2NU | 1-1/8 | 2-1/8 | 1-5/8 | 3-1/8 | 188 | 363 | 8 | 30" | 282.5 | 91.5 | 60.4 | 7,019 |

**Notes:**
^ C = 208-230/3/60, D = 460/3/60

# ELECTRICAL DATA

## Medium Temperature - Dual Frascold Compressor Models/208-230V

| Model | Compressor | Condensing Unit | | | | | | Remote Loads | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | 2 Contactors | | | | 1 Contactor | | | |
| | | Compressor | | Condenser | | Air Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | |
| | | RLA (Each) | LRA (Each) | No. Fans | FLA (Total) | MCA | MOPD | | | MCA | MOPD | | | MCA | MOPD |
| ACD0300MCAFX | S15-52Y-2NU | 67.3 | 231 | 4 | 26.4 | 177.8 | 225 | 25 | 96 | 227.8 | 250 | 25 | 96 | 227.8 | 250 |
| ACD0400MCAFX | S20-56Y-2NU | 73.1 | 293 | 4 | 26.4 | 190.9 | 250 | 25 | 96 | 240.9 | 300 | 25 | 96 | 240.9 | 300 |
| ACD0440MCAFX | V20-59Y-2NU | 69.2 | 367 | 4 | 26.4 | 182.1 | 250 | 25 | 108 | 243.0 | 300 | 20 | 96 | 222.1 | 250 |
| ACD0500MCAFX | V25-71Y-2NU | 73.7 | 415 | 4 | 26.4 | 192.2 | 250 | 30 | 136.4 | 306.9 | 350 | - | - | - | - |
| ACD0600MCAFX | V30-84Y-2NU | 96.8 | 462 | 6 | 39.6 | 257.4 | 350 | - | - | - | - | - | - | - | - |
| ACD0660MCAFX | V35-103Y-2NU | 108.3 | 507 | 6 | 39.6 | 283.3 | 350 | - | - | - | - | - | - | - | - |
| ACD0700MCAFX | Z35-106Y-2NU | 107.7 | 507 | 6 | 39.6 | 281.9 | 350 | - | - | - | - | - | - | - | - |
| ACD0800MCAFX | Z40-126Y-2NU | 136.5 | 520 | 8 | 52.8 | 359.9 | 400 | - | - | - | - | - | - | - | - |
| ACD1100MCAFX | Z50-154Y-2NU | 167.3 | 603 | 8 | 52.8 | 429.2 | 500 | - | - | - | - | - | - | - | - |

## Medium Temperature - Dual Frascold Compressor Models/460V

| Model | Compressor | Condensing Unit | | | | | | Remote Loads | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | 2 Contactors | | | | 1 Contactor | | | |
| | | Compressor | | Condenser | | Air Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | |
| | | RLA (Each) | LRA (Each) | No. Fans | FLA (Total) | MCA | MOPD | | | MCA | MOPD | | | MCA | MOPD |
| ACD0300MDAFX | S15-52Y-2NU | 32.7 | 113 | 4 | 13.2 | 86.8 | 100 | 15 | 56.8 | 127.8 | 150 | 15 | 48 | 116.8 | 125 |
| ACD0400MDAFX | S20-56Y-2NU | 36.5 | 143 | 4 | 13.2 | 95.3 | 125 | 15 | 56.8 | 127.8 | 150 | 15 | 48 | 125.3 | 150 |
| ACD0440MDAFX | V20-59Y-2NU | 35.3 | 184 | 4 | 13.2 | 92.6 | 125 | 15 | 56.8 | 127.8 | 150 | 15 | 48 | 122.6 | 150 |
| ACD0500MDAFX | V25-71Y-2NU | 36.5 | 207 | 4 | 13.2 | 95.3 | 125 | 20 | 67 | 150.8 | 175 | 15 | 68.2 | 153.5 | 175 |
| ACD0600MDAFX | V30-84Y-2NU | 48.1 | 231 | 6 | 19.8 | 128.0 | 175 | 20 | 77 | 173.3 | 200 | 20 | 77 | 173.3 | 200 |
| ACD0660MDAFX | V35-103Y-2NU | 55.8 | 253 | 6 | 19.8 | 145.4 | 200 | 20 | 77 | 185.4 | 225 | 20 | 77 | 185.4 | 200 |
| ACD0700MDAFX | Z35-106Y-2NU | 53.2 | 253 | 6 | 19.8 | 139.5 | 175 | 20 | 84 | 189.0 | 225 | 20 | 84 | 189.0 | 225 |
| ACD0800MDAFX | Z40-126Y-2NU | 68.6 | 260 | 8 | 26.4 | 180.8 | 225 | 20 | 96 | 220.8 | 250 | 20 | 96 | 220.8 | 250 |
| ACD1100MDAFX | Z50-154Y-2NU | 89.7 | 302 | 8 | 26.4 | 228.2 | 300 | 20 | 96 | 268.2 | 350 | 20 | 96 | 268.2 | 350 |

**Notes:**
MCA = Minimum Circuit Ampacity
MOP = Maximum Overcurrent Protection
Ratings shown at 60Hz.
intelliGen™ 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 condensing unit to allow termination on coils that have already defrosted to prevent unnecessary steaming. This option is not needed on intelliGen™ systems wired for a Master / Slave operation.

Mounted Electric Defrost Kits for condensing units include:
Defrost timer, Spring terminals, (1) evaporator fan contactor and:
One (1) defrost heater contactor for 1L and 1H codes
Two (2) defrost heater contactors for 2L and 2H codes
Four (4) defrost heater contactors for 4L and 4H codes
Power is supplied to each intelliGen™ evaporator volt electrical specification.
Each coil terminates its own defrost. Refrigeration will not start until all coils have terminated defrost.
Contact factory for 575 volt electrical specification

# ELECTRICAL DATA

## Low Temperature - Dual Frascold Compressor Models/208-230V

| Model | Compressor | Condensing Unit | | | | | | Remote Loads | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | 2 Contactors | | | | 1 Contactor | | | |
| | | Compressor | | Condenser | | Air Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | |
| | | RLA (Each) | LRA (Each) | No. Fans | FLA (Total) | MCA | MOPD | | | MCA | MOPD | | | MCA | MOPD |
| ACD0260LCAFX | V15-59Y-2NU | 62.8 | 248.0 | 4 | 26.4 | 167.7 | 225.0 | 22 | 64 | 211.7 | 250.0 | 15 | 48 | 197.7 | 250.0 |
| ACD0300LCAFX | V15-71Y-2NU | 66.7 | 248.0 | 4 | 26.4 | 176.5 | 225.0 | 25 | 83 | 226.5 | 250.0 | 15 | 48 | 206.5 | 250.0 |
| ACD0400LCAFX | V20-84Y-2NU | 63.5 | 367.0 | 4 | 26.4 | 169.3 | 225.0 | 25 | 105 | 236.3 | 250.0 | 15 | 48 | 199.3 | 250.0 |
| ACD0440LCAFX | V25-103Y-2NU | 92.3 | 415.0 | 4 | 26.4 | 234.1 | 300.0 | 25 | 105 | 284.1 | 300.0 | 15 | 48 | 264.1 | 300.0 |
| ACD0500LCAFX | Z25-106Y-2NU | 71.8 | 415.0 | 4 | 26.4 | 188.0 | 250.0 | 25 | 106 | 238.5 | 300.0 | 20 | 96 | 228.0 | 250.0 |
| ACD0600LCAFX | Z30-126Y-2NU | 86.5 | 462.0 | 4 | 26.4 | 221.0 | 300.0 | 30 | 159.1 | 358.0 | 400.0 | 20 | 96 | 261.0 | 300.0 |
| ACD0800LCAFX | Z40-154Y-2NU | 124.4 | 520.0 | 6 | 39.6 | 319.5 | 400.0 | 30 | 159.1 | 379.5 | 400.0 | 20 | 96 | 359.5 | 400.0 |

## Low Temperature - Dual Frascold Compressor Models/460V

| Model | Compressor | Condensing Unit | | | | | | Remote Loads | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | 2 Contactors | | | | 1 Contactor | | | |
| | | Compressor | | Condenser | | Air Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | |
| | | RLA (Each) | LRA (Each) | No. Fans | FLA (Total) | MCA | MOPD | | | MCA | MOPD | | | MCA | MOPD |
| ACD0260LDAFX | V15-59Y-2NU | 29.5 | 121.0 | 4 | 13.2 | 79.6 | 100.0 | 15 | 38 | 109.6 | 125.0 | 10 | 24 | 99.6 | 125.0 |
| ACD0300LDAFX | V15-71Y-2NU | 35.3 | 121.0 | 4 | 13.2 | 92.6 | 125.0 | 15 | 48 | 122.6 | 150.0 | 15 | 40 | 122.6 | 150.0 |
| ACD0400LDAFX | V20-84Y-2NU | 31.4 | 184.0 | 4 | 13.2 | 83.9 | 100.0 | 15 | 56.8 | 127.8 | 150.0 | 15 | 48 | 113.9 | 125.0 |
| ACD0440LDAFX | V25-103Y-2NU | 43.6 | 207.0 | 4 | 13.2 | 111.3 | 150.0 | 15 | 56.8 | 141.3 | 150.0 | 15 | 48 | 141.3 | 150.0 |
| ACD0500LDAFX | Z25-106Y-2NU | 38.5 | 207.0 | 4 | 13.2 | 99.8 | 125.0 | 15 | 64 | 144.0 | 150.0 | 15 | 48 | 129.8 | 150.0 |
| ACD0600LDAFX | Z30-126Y-2NU | 42.9 | 231.0 | 4 | 13.2 | 109.7 | 150.0 | 20 | 76 | 171.0 | 175.0 | 15 | 48 | 139.7 | 150.0 |
| ACD0800LDAFX | Z40-154Y-2NU | 59.6 | 260.0 | 6 | 19.8 | 153.9 | 200.0 | 20 | 76 | 193.9 | 250.0 | 15 | 48 | 183.9 | 225.0 |

**Notes:**
MCA = Minimum Circuit Ampacity
MOP = Maximum Overcurrent Protection
Ratings shown at 60Hz.
intelliGen™ 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 condensing unit to allow termination on coils that have already defrosted to prevent unnecessary steaming. This option is not needed on intelliGen™ systems wired for a Master / Slave operation.

Mounted Electric Defrost Kits for condensing units include:
Defrost timer, Spring terminals, (1) evaporator fan contactor and:
One (1) defrost heater contactor for 1L and 1H codes
Two (2) defrost heater contactors for 2L and 2H codes
Four (4) defrost heater contactors for 4L and 4H codes
Power is supplied to each intelliGen™ evaporator volt electrical specification.
Each coil terminates its own defrost. Refrigeration will not start until all coils have terminated defrost.
Contact factory for 575 volt electrical specification

# AWEF DATA – MEDIUM TEMPERATURE

## Copeland Discus Compressor Models - Outdoor

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

| Model | Outdoor | | | | | |
|---|---|---|---|---|---|---|
| | R-404A/ R-507A | R-448A | R-449A | R-407A | R-407C | R-407F |
| ACV0150MΛACD | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 |
| ACV0151MΛACD | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 |
| ACV0200MΛACD | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 |
| ACV0201MΛACD | 7.60 | - | - | - | - | 7.60 |
| ACV0250MΛACD | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 |
| ACV0251MΛACD | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 |
| ACV0260MΛACD | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 |
| ACV0300MΛACD | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 |
| ACV0301MΛACD | - | - | - | - | - | - |
| ACV0350MΛACD | 7.60 | 7.60 | 7.60 | - | - | 7.60 |
| ACV0351MΛACD | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 |
| ACV0400MΛACD | - | 7.60 | 7.60 | 7.60 | - | 7.60 |
| ACV0401MΛACD | - | - | - | - | - | 7.60 |

# AWEF DATA – LOW TEMPERATURE

## Copeland Discus Compressor Models - Outdoor

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

| Model | Outdoor | | | | | |
|---|---|---|---|---|---|---|
| | R-404A/ R-507A | R-448A | R-449A | R-407A | R-407C | R-407F |
| ACV0120LΛACD | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 |
| ACV0150LΛACD | 3.15 | - | - | - | - | 3.15 |
| ACV0220LΛACD | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 |
| ACV0270LΛACD | 3.15 | - | - | - | - | 3.15 |
| ACV0300LΛACD | - | - | - | - | - | - |

**Notes:**
Λ C = 208-230/3/60, D = 460/3/60, E = 575/3/60
X = model not suitable for this refrigerant
— = model is not DOE AWEF compliant

# AWEF DATA – MEDIUM TEMPERATURE

## Bitzer Semi-Hermetic Compressor Models - Outdoor

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

| Model | Outdoor | | | | | |
|---|---|---|---|---|---|---|
| | R-404A/ R-507A | R-448A | R-449A | R-407A | R-407C | R-407F |
| ACV0150M^ABX | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 |
| ACV0200M^ABX | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 |
| ACV0220M^ABX | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 |
| ACV0250M^ABX | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 |
| ACV0300M^ABX | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 |
| ACV0330M^ABX | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 |
| ACV0350M^ABX | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 |
| ACV0400M^ABX | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 |
| ACV0500M^ABX | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 |

# AWEF DATA – LOW TEMPERATURE

## Bitzer Semi-Hermetic Compressor Models - Outdoor

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

| Model | Outdoor | | | | | |
|---|---|---|---|---|---|---|
| | R-404A/ R-507A | R-448A | R-449A | R-407A | R-407C | R-407F |
| ACV0130L^ABX | 3.15 | 3.15 | 3.15 | 3.15 | X | 3.15 |
| ACV0150L^ABX | 3.15 | 3.15 | 3.15 | 3.15 | X | 3.15 |
| ACV0200L^ABX | 3.15 | 3.15 | 3.15 | 3.15 | X | 3.15 |
| ACV0220L^ABX | 3.15 | 3.15 | 3.15 | 3.15 | X | 3.15 |
| ACV0250L^ABX | - | 3.15 | 3.15 | 3.15 | X | 3.15 |
| ACV0300L^ABX | - | - | - | - | X | 3.15 |
| ACV0400L^ABX | - | - | - | - | X | - |

**Notes:**
^ C = 208-230/3/60, D = 460/3/60, E = 575/3/60
X = model not suitable for this refrigerant
— = model is not DOE AWEF compliant

# AWEF DATA – LOW TEMPERATURE

## Copeland Dual Compressor Models - Outdoor Parallel Piped

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

| Model | Outdoor | | | | | |
|---|---|---|---|---|---|---|
| | R-404A/ R-507A | R-448A | R-449A | R-407A | R-407C | R-407F |
| ACD0240L^ACDA1500 | 3.15 | - | - | - | - | - |
| ACD0300L^ACDA1500 | - | 3.15 | - | - | - | - |
| ACD0440L^ACDA1500 | - | - | - | - | - | - |
| ACD0540L^ACDA1500 | - | - | - | - | - | - |
| ACD0600L^ACDA1500 | - | - | - | - | - | - |

# AWEF DATA – LOW TEMPERATURE

## Bitzer Dual Compressor Models - Outdoor Parallel Piped

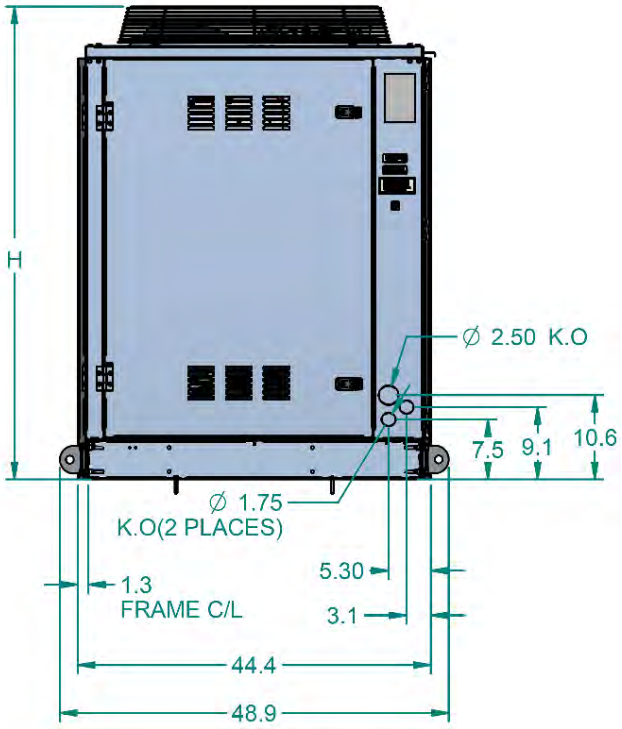
If model has a numerical value in the table below, the following statement applies:
This refrigeration system is designed and certified for use in walk-in freezer applications

| Model | Outdoor | | | | | |
|---|---|---|---|---|---|---|
| | R-404A/ R-507A | R-448A | R-449A | R-407A | R-407C | R-407F |
| ACD0240L^ACDA1500 | 3.15 | - | - | - | - | - |
| ACD0300L^ABXA1500 | 3.15 | 3.15 | 3.15 | X | 3.15 | - |
| ACD0400L^ABXA1500 | 3.15 | - | 3.15 | X | 3.15 | - |
| ACD0440L^ABXA1500 | 3.15 | - | 3.15 | X | 3.15 | - |
| ACD0500L^ABXA1500 | 3.15 | - | 3.15 | X | 3.15 | - |
| ACD0600L^ABXA1500 | - | - | - | X | 3.15 | - |
| ACD0800L^ABXA1500 | - | - | - | X | - | - |

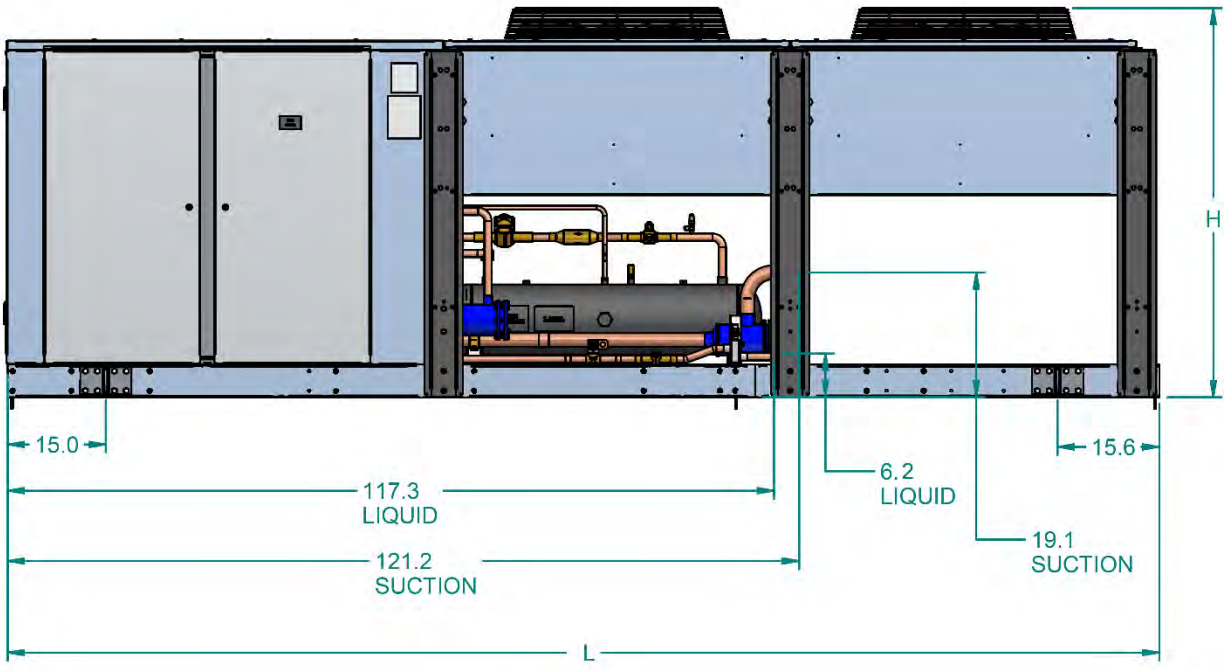
**Notes:**
^ C = 208-230/3/60, D = 460/3/60, E = 575/3/60
X = model not suitable for this refrigerant
— = model is not DOE AWEF compliant

# DIMENSIONAL DRAWINGS

## 12-20 HP SINGLE COMPRESSOR VERTICAL AIR-COOLED CONDENSING UNITS

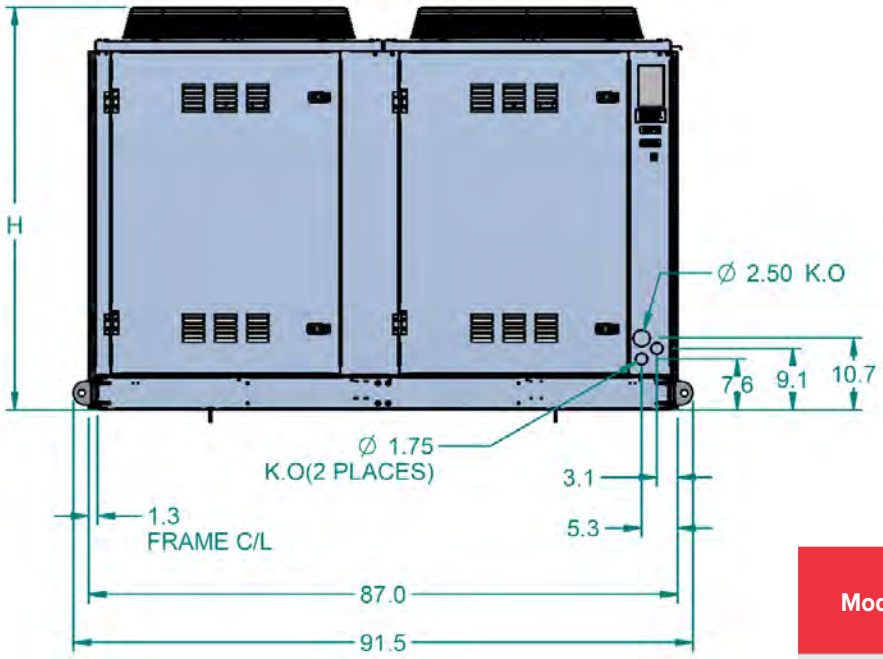



| Model | Fan | Dimensions | |
|---|---|---|---|
| | | Length (L) | Height (H) |
| ACV* | 2 | 176.35 | 59.5 |
| | 3 | 229.4 | 59.5 |
| | 4 | 282.5 | 61.5 |

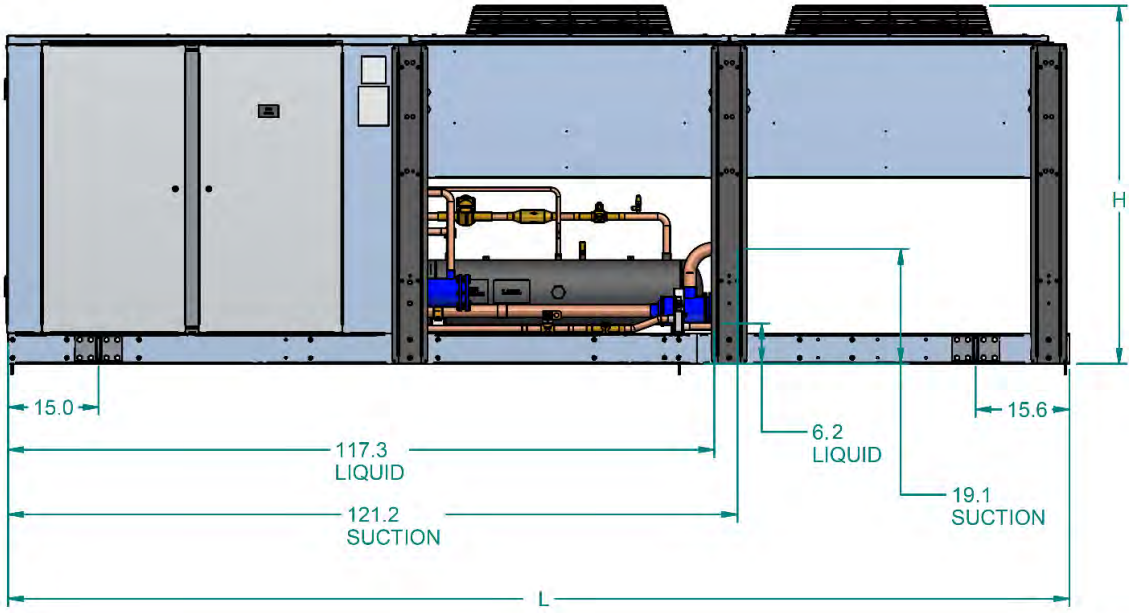


# DIMENSIONAL DRAWINGS

24-100 HP DUAL COMPRESSOR VERTICAL AIR-COOLED CONDENSING UNITS




| Model | Fan | Dimensions | |
|---|---|---|---|
| | | Length (L) | Height (H) |
| ACD* | 4 | 176.35 | 59.5 |
| | 6 | 229.4 | 59.5 |
| | 8 | 282.5 | 60.5 |



# NOTES

# NOTES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**VCU/DVCU-0822 | Version 003**