BOHN

BN-HTS | **MARCH 2025**
Replaces August 2023

# 1/2 - 6 HP AIR-COOLED CONDENSING UNITS

Technical Guide

**Now including A2L DOE compliant models**

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# FEATURES & BENEFITS

## CABINET AND CONSTRUCTION

- Microchannel coil technology standard on all units
- Painted steel cabinets for superior strength and corrosion protection
- Heavy duty, steel, 1-1/2” tall base

## SERVICEABILITY

- Angled Base Valves for improved serviceability
- Suction service valves for scroll compressors located outside the cabinet for quick installations.
- Receiver with fusible plug, liquid shutoff valve and charging port is standard
- Large electrical panel for ease of access
- Prefabricated wiring harnesses for tight crimp connections and consistent labeling
- Unit stays on if the hood is removed for servicing
- Sight glass is easily viewable

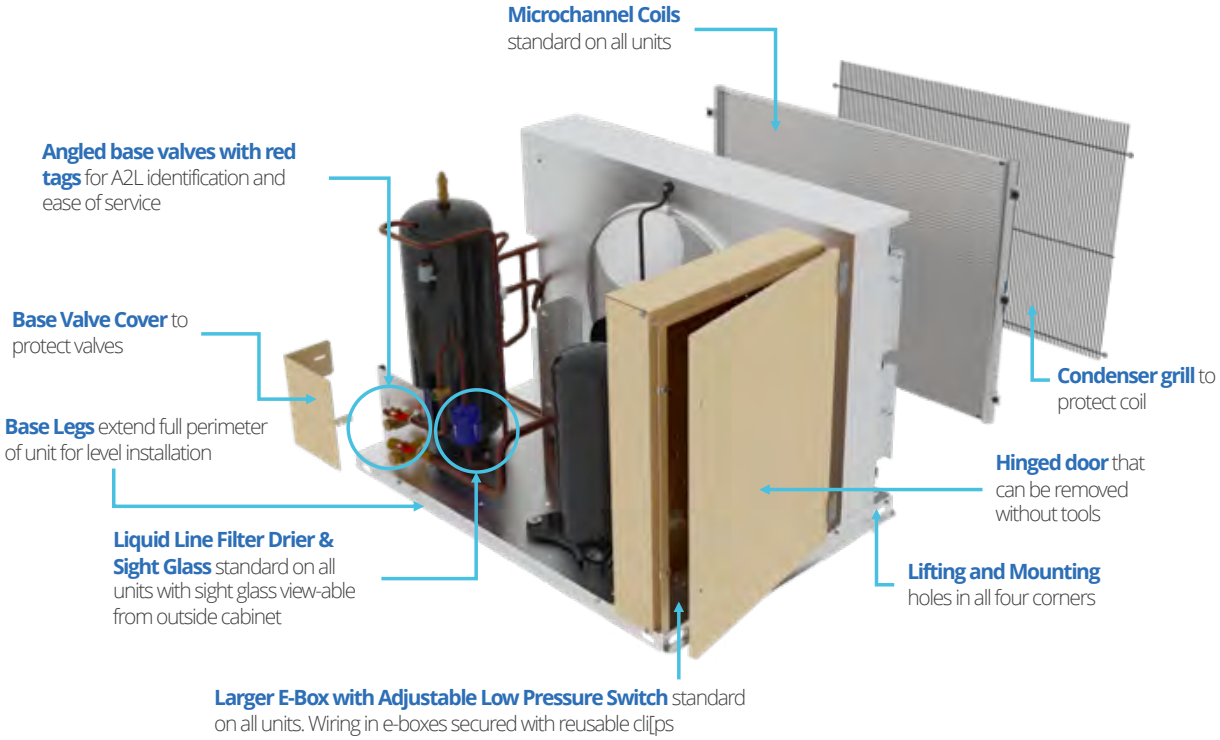
## QUALITY

- All units are completely leak tested in a helium environment, bump tested and allowed to cycle off on the high and low pressure control. Each unit has a copy of the run data shipped inside the electrical panel
- Electrical circuits are completely checked for continuity
- Piping is laid out to minimize stress and vibration and is pre-bent to eliminate leaks
- Encapsulated, auto-reset, high and low pressure controls to eliminate leaks (adjustable low pressure control standard on all models)

## A2L FEATURES AND OPTION

- A2L and A1 dual refrigerants compatible models
- Condenser grill to protect coil
- Base valve cover to protect valves
- Red tags on base valves and connection points as indicators for A2L refrigerants
- A2L labels to meet regulatory requiremen

## OUTSTANDING FEATURES



# NOMENCLATURE

**BRAND**
**B** = Bohn

**CONDENSING UNIT STYLE**
**H** = Outdoor Horizontal
**N** = Indoor*

**TEMP RANGE**
**M** = Medium Temperature
**L** = Low Temperature

**REVISION**

**COMPRESSOR STYLE**
**H** = Hermetic±
**Z** = A1 Scroll
**Y** = A2L/A1 Scroll

**B C H 0010 M C A L Z A0000**

**PRODUCT IDENTIFIER**
**C** = Condensing Unit

**HP**
**0005,0006** = ½ hp
**0008,0009**= ¾ hp
**0010** = 1 hp
**001*** = 1 ½ hp
**002*** = 2 hp
**003*** = 3 hp
**004*** = 4 hp
**005*** = 5 hp
**0060** = 6 hp

**VOLTAGE**
**B** = 208-230/1/60
**C** = 208-230/3/60
**D** = 460/3/60
**E** = 575/3/60

**COMPRESSOR MANUFACTURER**
**C** = Copeland
**L** = LG

**FACTORY INSTALLED OPTION PACKAGES**
**A####** = Preferred Option Packages
**C####** = A la Carte Options
**X####** = Custom Option Packages

# PREFERRED OPTION PACKAGES:

Please see Price Book or The HUB for availability

| Package | Description (standard base model features + indicated option below) |
|---|---|
| **A0000** | Standard Base |
| **A0100** | Timer-Air |
| **A0200** | Timer-Elec |
| **A0300** | Timer Contactor |
| **A0400** | intelliGen™ |
| **A0800** | Timer-Air-Paragon + Aluminum Fin/CopperTube Coil |
| **A0900** | intelliGen™ + Suction Filter |
| **A1000** | Accumulator |
| **A1200** | R-404A Precharge |
| **A1204** | R-448A Precharge |

**Notes:**
* = A1 Only
± = Limited Availability

# STANDARD FEATURES

Microchannel Coil

Fixed Head Pressure Control Valve, A1 only model, Z Scroll
- Low temp - Revision A 100 psi
- Med. temp - Revision A 145 psi
- Low temp - Revision B 145 psi

Fixed Head Pressure Control Valve, A2L/A1 model, Y Scroll
- Low temp - Revision A 145 psi
- Med. temp - Revision A 145 psi

Adjustable Low Pressure Control

Fixed High Pressure Control

Sealed Liquid Line Drier (new)

Liquid Line Sight Glass (new)

Liquid Line and Suction Line Base Valves

Painted Steel Cabinet (outdoor and indoor models)

Removable & Hinged E-box Door with Captive Fasteners

# ELECTRICAL OPTIONS

| Option | Outdoor | Indoor |
|---|---|---|
| Fixed low pressure control | **Option** | **Option** |
| Air or Electric defrost timer only | **Option** | **Option** |
| intelliGen™/Beacon II™ | **Option** | **N/A** |
| Crankcase Heater | **Standard** | **Option** |
| Dual pressure control (not available with intelliGen™/Beacon II™ or Low Ambient Kit) | **Option** | **Option** |
| Electric defrost with timer & contactors (C3 cabinet) | **Option** | **Option** |
| Fused disconnect | **Option** | **Option** |
| Phase loss / low voltage monitor (not available with intelliGen™/Beacon II™ or Low Ambient Kit) | **Option** | **Option** |
| Smart Defrost Kit™ (Factory-Installed) | **Option** | **Option** |
| Variable speed EC (VSEC) motors with Orbus controller | **Option** | **Option** |

# MECHANICAL OPTIONS

| Option | Outdoor | Indoor |
|---|---|---|
| Adjustable Head Pressure Valve | **Option** | **Option** |
| 12” Extended legs | **Option** | **Option** |
| Liquid line drier, sight glass | **Standard** | **Standard** |
| Liquid line solenoid valve and pumpdown switch (not available with intelliGen™/Beacon II™) | **Option** | **Option** |
| Low ambient kit with heated and insulated receiver, Time Delay relay | **Option** | **N/A** |
| Oil separator with discharge line check valve (C3 cabinet) | **Option** | **Option** |
| Oversize receiver (C2 & C3 cabinets) | **Option** | **Option** |
| Precharged refrigerant with quick connect fittings | **Option** | **Option** |
| Replaceable core liquid line filter (C3 cabinet) | **Option** | **Option** |
| Replaceable core suction line filter (C3 cabinet) | **Option** | **Option** |

# A2L PERFORMANCE DATA – R-454A

## Medium Temperature Models - Scroll Compressors

Please consult AWEF table on pages 43-44 to confirm DOE compliance per model

| R-454A | | Capacity BTUH @ 90°F Ambient by SST | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | +40°F | +35°F | +30°F | +25°F | +20°F | +15°F | +10°F | +5°F | +0°F | -20°F |
| BCH0005M^ACY | YB06KAE | 10,160 | 9,250 | 8,400 | 7,610 | 6,880 | 6,200 | 5,580 | 5,000 | 4,480 | — |
| BCH0008M^ACY | YB07KAE | 11,250 | 10,220 | 9,250 | 8,370 | 7,540 | 6,790 | 6,090 | 5,450 | 4,860 | — |
| BCH0009M^ACY | YB08KAE | 13,500 | 12,370 | 11,300 | 10,270 | 9,340 | 8,450 | 7,630 | 6,880 | 6,180 | — |
| BCH0010M^ACY | YS09KAE | 14,740 | 13,530 | 12,380 | 11,280 | 10,230 | 9,280 | 8,380 | 7,540 | 6,780 | 4,330 |
| BCH0012M^ACY | YS11KAE | 18,940 | 17,280 | 15,710 | 14,230 | 12,850 | 11,580 | 10,400 | 9,310 | 8,330 | |
| BCH0015M^ACY | YS12KAE | 21,390 | 19,590 | 17,840 | 16,200 | 14,670 | 13,260 | 11,940 | 10,720 | 9,610 | 5,680 |
| BCH0020M^ACY | YS14KAE | 25,020 | 22,960 | 20,980 | 19,140 | 17,380 | 15,740 | 14,220 | 12,800 | 11,490 | 7,020 |
| BCH0025M^ACY | YS16KAE | 27,360 | 25,140 | 23,030 | 20,990 | 19,120 | 17,380 | 15,700 | 14,170 | 12,750 | 8,060 |
| BCH0027M^ACY | YS19KAE | 35,120 | 32,130 | 29,290 | 26,620 | 24,120 | 21,810 | 19,660 | 17,680 | 15,850 | |
| BCH0030M^ACY | YS21KAE | 38,790 | 35,490 | 32,370 | 29,430 | 26,690 | 24,140 | 21,770 | 19,590 | 17,580 | 10,790 |
| BCH0035M^ACY | YS24KAE | 42,440 | 38,920 | 35,560 | 32,330 | 29,350 | 26,570 | 23,980 | 21,590 | 19,380 | 14,780 |
| BCH0045M^ACY | YS26KAE | 47,310 | 43,440 | 39,710 | 36,250 | 32,930 | 29,850 | 26,960 | 24,290 | 21,820 | 13,660 |
| BCH0050M^ACY | YS30KAE | 51,590 | 47,420 | 43,450 | 39,610 | 36,130 | 32,850 | 29,720 | 26,840 | 24,180 | 13,450 |
| BCH0055M^ACY | YS33KAE | 57,780 | 53,320 | 49,020 | 44,920 | 41,040 | 37,340 | 33,950 | 30,770 | 27,740 | 15,480 |
| BCH0060M^ACY | YS40KAE | 65,530 | 60,760 | 56,220 | 51,670 | 47,330 | 43,230 | 39,340 | 35,670 | 32,300 | 18,440 |

| R-454A | | Capacity BTUH @ 95°F Ambient by SST | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | +40°F | +35°F | +30°F | +25°F | +20°F | +15°F | +10°F | +5°F | +0°F | -20°F |
| BCH0005M^ACY | YB06KAE | 9,830 | 8,950 | 8,130 | 7,370 | 6,660 | 6,000 | 5,400 | 4,840 | 4,340 | 2,680 |
| BCH0008M^ACY | YB07KAE | 10,840 | 9,840 | 8,910 | 8,050 | 7,260 | 6,530 | 5,860 | 5,240 | 4,680 | — |
| BCH0009M^ACY | YB08KAE | 13,030 | 11,950 | 10,910 | 9,930 | 9,030 | 8,170 | 7,380 | 6,650 | 5,980 | 3,780 |
| BCH0010M^ACY | YS09KAE | 14,230 | 13,070 | 11,950 | 10,900 | 9,890 | 8,980 | 8,100 | 7,300 | 6,560 | 4,200 |
| BCH0012M^ACY | YS11KAE | 18,340 | 16,740 | 15,210 | 13,780 | 12,440 | 11,210 | 10,060 | 9,020 | 8,070 | 5,080 |
| BCH0015M^ACY | YS12KAE | 20,710 | 18,970 | 17,270 | 15,690 | 14,210 | 12,840 | 11,560 | 10,390 | 9,310 | 5,890 |
| BCH0020M^ACY | YS14KAE | 24,210 | 22,220 | 20,310 | 18,530 | 16,830 | 15,250 | 13,770 | 12,400 | 11,140 | 7,060 |
| BCH0025M^ACY | YS16KAE | 26,450 | 24,320 | 22,270 | 20,310 | 18,510 | 16,830 | 15,200 | 13,720 | 12,350 | 7,880 |
| BCH0027M^ACY | YS19KAE | 34,050 | 31,160 | 28,410 | 25,820 | 23,400 | 21,160 | 19,080 | 17,150 | 15,390 | 9,710 |
| BCH0030M^ACY | YS21KAE | 37,590 | 34,390 | 31,370 | 28,520 | 25,870 | 23,400 | 21,110 | 19,000 | 17,050 | 10,790 |
| BCH0035M^ACY | YS24KAE | 41,030 | 37,680 | 34,400 | 31,320 | 28,430 | 25,740 | 23,240 | 20,930 | 18,790 | 11,910 |
| BCH0045M^ACY | YS26KAE | 45,800 | 42,060 | 38,470 | 35,130 | 31,910 | 28,920 | 26,130 | 23,550 | 21,160 | 13,510 |
| BCH0050M^ACY | YS30KAE | 49,850 | 45,840 | 42,010 | 38,330 | 34,910 | 31,800 | 28,780 | 26,000 | 23,440 | 15,040 |
| BCH0055M^ACY | YS33KAE | 55,770 | 51,490 | 47,350 | 43,420 | 39,670 | 36,120 | 32,850 | 29,780 | 26,860 | 17,370 |
| BCH0060M^ACY | YS40KAE | 63,150 | 58,590 | 54,240 | 49,870 | 45,700 | 41,760 | 38,030 | 34,490 | 31,250 | 20,290 |

**Notes:**
^ B = 208-230/1/60, C = 208-230/3/60, D = 460/3/60, E = 575/3/60
g. Must use round tube plate fin coil
20°F Max Superheat

# A2L PERFORMANCE DATA – R-454A

## Medium Temperature Models - Scroll Compressors (Cont.)

Please consult AWEF table on pages 43-44 to confirm DOE compliance per model

| R-454A | | Capacity BTUH @ 100°F Ambient by SST | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | +40°F | +35°F | +30°F | +25°F | +20°F | +15°F | +10°F | +5°F | +0°F | -20°F |
| BCH0005M^ACY | YB06KAE | 9,490 | 8,650 | 7,860 | 7,120 | 6,430 | 5,800 | 5,220 | 4,680 | 4,190 | 2,600 |
| BCH0008M^ACY | YB07KAE | 10,430 | 9,460 | 8,560 | 7,740 | 6,980 | 6,270 | 5,630 | 5,040 | 4,500 | - |
| BCH0009M^ACY | YB08KAE | 12,560 | 11,520 | 10,520 | 9,580 | 8,720 | 7,890 | 7,130 | 6,430 | 5,780 | 3,680 |
| BCH0010M^ACY | YS09KAE | 13,710 | 12,590 | 11,520 | 10,510 | 9,540 | 8,660 | 7,820 | 7,050 | 6,340 | 4,090 |
| BCH0012M^ACY | YS11KAE | 17,740 | 16,180 | 14,710 | 13,320 | 12,030 | 10,840 | 9,730 | 8,720 | 7,800 | 4,950 |
| BCH0015M^ACY | YS12KAE | 20,030 | 18,350 | 16,690 | 15,170 | 13,740 | 12,420 | 11,190 | 10,060 | 9,020 | 5,730 |
| BCH0020M^ACY | YS14KAE | 23,380 | 21,470 | 19,620 | 17,920 | 16,270 | 14,740 | 13,320 | 12,000 | 10,780 | 6,860 |
| BCH0025M^ACY | YS16KAE | 25,520 | 23,470 | 21,510 | 19,620 | 17,890 | 16,260 | 14,700 | 13,270 | 11,940 | 7,650 |
| BCH0027M^ACY | YS19KAE | 32,960 | 30,160 | 27,510 | 25,010 | 22,660 | 20,490 | 18,480 | 16,610 | 14,900 | 9,420 |
| BCH0030M^ACY | YS21KAE | 36,370 | 33,260 | 30,340 | 27,600 | 25,030 | 22,650 | 20,440 | 18,400 | 16,520 | 10,480 |
| BCH0035M^ACY | YS24KAE | 39,670 | 36,430 | 33,260 | 30,290 | 27,500 | 24,910 | 22,490 | 20,250 | 18,190 | 11,570 |
| BCH0045M^ACY | YS26KAE | 44,260 | 40,660 | 37,200 | 33,970 | 30,860 | 27,980 | 25,290 | 22,790 | 20,490 | 13,120 |
| BCH0050M^ACY | YS30KAE | 48,080 | 44,240 | 40,550 | 37,020 | 33,780 | 30,740 | 27,820 | 25,150 | 22,680 | 14,610 |
| BCH0055M^ACY | YS33KAE | 53,710 | 49,610 | 45,640 | 41,860 | 38,270 | 34,870 | 31,720 | 28,770 | 25,960 | 16,850 |
| BCH0060M^ACY | YS40KAE | 60,700 | 56,350 | 52,200 | 48,020 | 44,040 | 40,260 | 36,680 | 33,290 | 30,170 | 19,660 |

| R-454A | | Capacity BTUH @ 110°F Ambient by SST | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | +40°F | +35°F | +30°F | +25°F | +20°F | +15°F | +10°F | +5°F | +0°F | -20°F |
| BCH0005M^ACY | YB06KAE | 8,810 | 8,030 | 7,300 | 6,610 | 5,980 | 5,390 | 4,850 | 4,360 | 3,900 | 2,440 |
| BCH0008M^ACY | YB07KAE | 9,590 | 8,690 | 7,860 | 7,100 | 6,400 | 5,760 | 5,160 | 4,630 | 4,140 | - |
| BCH0009M^ACY | YB08KAE | 11,590 | 10,630 | 9,730 | 8,870 | 8,070 | 7,310 | 6,620 | 5,970 | 5,380 | 3,480 |
| BCH0010M^ACY | YS09KAE | 12,640 | 11,620 | 10,650 | 9,720 | 8,840 | 8,030 | 7,250 | 6,550 | 5,900 | 3,860 |
| BCH0012M^ACY | YS11KAE | 16,500 | 15,050 | 13,680 | 12,400 | 11,200 | 10,090 | 9,070 | 8,130 | 7,280 | 4,680 |
| BCH0015M^ACY | YS12KAE | 18,610 | 17,020 | 15,520 | 14,110 | 12,780 | 11,560 | 10,420 | 9,380 | 8,420 | 5,410 |
| BCH0020M^ACY | YS14KAE | 21,670 | 19,870 | 18,240 | 16,650 | 15,120 | 13,710 | 12,390 | 11,170 | 10,050 | 6,440 |
| BCH0025M^ACY | YS16KAE | 23,600 | 21,720 | 19,920 | 18,190 | 16,590 | 15,090 | 13,650 | 12,330 | 11,110 | 7,170 |
| BCH0027M^ACY | YS19KAE | 30,720 | 28,120 | 25,650 | 23,320 | 21,140 | 19,120 | 17,230 | 15,490 | 13,900 | 8,780 |
| BCH0030M^ACY | YS21KAE | 33,780 | 30,940 | 28,240 | 25,690 | 23,310 | 21,110 | 19,050 | 17,160 | 15,420 | 9,840 |
| BCH0035M^ACY | YS24KAE | 36,870 | 33,880 | 30,930 | 28,180 | 25,590 | 23,190 | 20,950 | 18,880 | 16,970 | 10,860 |
| BCH0045M^ACY | YS26KAE | 41,080 | 37,700 | 34,550 | 31,590 | 28,700 | 26,030 | 23,540 | 21,230 | 19,100 | 12,310 |
| BCH0050M^ACY | YS30KAE | 44,440 | 40,920 | 37,550 | 34,320 | 31,350 | 28,550 | 25,860 | 23,410 | 21,140 | 13,740 |
| BCH0055M^ACY | YS33KAE | 49,430 | 45,700 | 42,100 | 38,650 | 35,360 | 32,260 | 29,370 | 26,670 | 24,090 | 15,780 |
| BCH0060M^ACY | YS40KAE | 55,630 | 51,910 | 47,970 | 44,190 | 40,570 | 37,140 | 33,810 | 30,800 | 27,950 | 18,390 |

**Notes:**
^ B = 208-230/1/60, C = 208-230/3/60, D = 460/3/60, E = 575/3/60
g. Must use round tube plate fin coil
20°F Max Superheat

# A2L PERFORMANCE DATA – R-454C

## Medium Temperature Models - Scroll Compressors

Please consult AWEF table on pages 43-44 to confirm DOE compliance per model

| R-454C | | Capacity BTUH @ 90°F Ambient by SST | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | +40°F | +35°F | +30°F | +25°F | +20°F | +15°F | +10°F | +5°F | +0°F | -20°F |
| BCH0005M^ACY | YB06KAE | 8,760 | 7,980 | 7,250 | 6,560 | 5,930 | 5,340 | 4,800 | 4,300 | 3,850 | — |
| BCH0008M^ACY | YB07KAE | 9,580 | 8,690 | 7,870 | 7,100 | 6,400 | 5,740 | 5,150 | 4,600 | 4,100 | — |
| BCH0009M^ACY | YB08KAE | 11,660 | 10,680 | 9,750 | 8,860 | 8,050 | 7,280 | 6,570 | 5,910 | 5,300 | — |
| BCH0010M^ACY | YS09KAE | 12,740 | 11,700 | 10,700 | 9,750 | 8,850 | 8,030 | 7,240 | 6,510 | 5,840 | — |
| BCH0012M^ACY | YS11KAE | 16,430 | 14,990 | 13,630 | 12,350 | 11,150 | 10,040 | 9,010 | 8,060 | 7,200 | — |
| BCH0015M^ACY | YS12KAE | 18,540 | 16,980 | 15,450 | 14,030 | 12,690 | 11,460 | 10,310 | 9,240 | 8,270 | — |
| BCH0020M^ACY | YS14KAE | 21,720 | 19,910 | 18,170 | 16,560 | 15,020 | 13,590 | 12,250 | 11,020 | 9,880 | — |
| BCH0025M^ACY | YS16KAE | 23,770 | 21,830 | 19,980 | 18,200 | 16,580 | 15,040 | 13,570 | 12,220 | 10,980 | — |
| BCH0027M^ACY | YS19KAE | 30,520 | 27,910 | 25,420 | 23,090 | 20,910 | 18,890 | 17,010 | 15,270 | 13,680 | — |
| BCH0030M^ACY | YS21KAE | 33,610 | 30,730 | 28,020 | 25,460 | 23,070 | 20,860 | 18,790 | 16,890 | 15,140 | — |
| BCH0035M^ACY | YS24KAE | 36,770 | 33,690 | 30,790 | 27,980 | 25,380 | 22,970 | 20,710 | 18,630 | 16,710 | — |
| BCH0045M^ACY | YS26KAE | 40,800 | 37,440 | 34,220 | 31,230 | 28,350 | 25,690 | 23,200 | 20,890 | 18,750 | — |
| BCH0050M^ACY | YS30KAE | 44,700 | 41,090 | 37,640 | 34,320 | 31,260 | 28,430 | 25,700 | 23,190 | 20,860 | — |
| BCH0055M^ACY | YS33KAE | 49,930 | 46,150 | 42,390 | 38,810 | 35,420 | 32,210 | 29,250 | 26,450 | 23,850 | — |
| BCH0060M^ACY | YS40KAE | 56,780 | 52,580 | 48,600 | 44,620 | 40,830 | 37,260 | 33,890 | 30,710 | 27,790 | — |

| R-454C | | Capacity BTUH @ 95°F Ambient by SST | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | +40°F | +35°F | +30°F | +25°F | +20°F | +15°F | +10°F | +5°F | +0°F | -20°F |
| BCH0005M^ACY | YB06KAE | 8,480 | 7,720 | 7,010 | 6,350 | 5,730 | 5,170 | 4,640 | 4,160 | 3,720 | — |
| BCH0008M^ACY | YB07KAE | 9,220 | 8,360 | 7,560 | 6,830 | 6,150 | 5,520 | 4,950 | 4,420 | 3,940 | — |
| BCH0009M^ACY | YB08KAE | 11,260 | 10,320 | 9,420 | 8,570 | 7,790 | 7,040 | 6,350 | 5,720 | 5,130 | — |
| BCH0010M^ACY | YS09KAE | 12,300 | 11,290 | 10,330 | 9,420 | 8,550 | 7,760 | 7,000 | 6,300 | 5,650 | — |
| BCH0012M^ACY | YS11KAE | 15,910 | 14,520 | 13,200 | 11,950 | 10,790 | 9,720 | 8,720 | 7,800 | 6,970 | — |
| BCH0015M^ACY | YS12KAE | 17,950 | 16,440 | 14,960 | 13,580 | 12,290 | 11,090 | 9,980 | 8,950 | 8,010 | — |
| BCH0020M^ACY | YS14KAE | 21,000 | 19,260 | 17,580 | 16,030 | 14,530 | 13,150 | 11,860 | 10,670 | 9,570 | — |
| BCH0025M^ACY | YS16KAE | 22,980 | 21,120 | 19,330 | 17,610 | 16,040 | 14,540 | 13,140 | 11,830 | 10,630 | — |
| BCH0027M^ACY | YS19KAE | 29,580 | 27,050 | 24,650 | 22,390 | 20,270 | 18,320 | 16,490 | 14,810 | 13,260 | — |
| BCH0030M^ACY | YS21KAE | 32,590 | 29,790 | 27,160 | 24,690 | 22,370 | 20,220 | 18,220 | 16,380 | 14,680 | — |
| BCH0035M^ACY | YS24KAE | 35,570 | 32,640 | 29,790 | 27,110 | 24,600 | 22,260 | 20,080 | 18,060 | 16,200 | — |
| BCH0045M^ACY | YS26KAE | 39,520 | 36,280 | 33,160 | 30,270 | 27,480 | 24,900 | 22,490 | 20,250 | 18,180 | — |
| BCH0050M^ACY | YS30KAE | 43,230 | 39,750 | 36,420 | 33,220 | 30,290 | 27,530 | 24,890 | 22,460 | 20,210 | — |
| BCH0055M^ACY | YS33KAE | 48,370 | 44,600 | 40,980 | 37,530 | 34,260 | 31,170 | 28,320 | 25,610 | 23,100 | — |
| BCH0060M^ACY | YS40KAE | 54,770 | 50,750 | 46,930 | 43,110 | 39,460 | 36,020 | 32,770 | 29,710 | 26,900 | — |

**Notes:**
^ B = 208-230/1/60, C = 208-230/3/60, D = 460/3/60, E = 575/3/60
g. Must use round tube plate fin coil
20°F Max Superheat

# A2L PERFORMANCE DATA – R-454C

## Medium Temperature Models - Scroll Compressors (Cont.)

Please consult AWEF table on pages 43-44 to confirm DOE compliance per model

| R-454C | | Capacity BTUH @ 100°F Ambient by SST | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | +40°F | +35°F | +30°F | +25°F | +20°F | +15°F | +10°F | +5°F | +0°F | -20°F |
| BCH0005M^ACY | YB06KAE | 8,180 | 7,460 | 6,770 | 6,130 | 5,540 | 4,990 | 4,480 | 4,020 | 3,590 | — |
| BCH0008M^ACY | YB07KAE | 8,860 | 8,030 | 7,260 | 6,550 | 5,900 | 5,300 | 4,740 | 4,240 | 3,780 | — |
| BCH0009M^ACY | YB08KAE | 10,860 | 9,950 | 9,090 | 8,270 | 7,520 | 6,800 | 6,140 | 5,520 | 4,960 | — |
| BCH0010M^ACY | YS09KAE | 11,850 | 10,890 | 9,960 | 9,080 | 8,250 | 7,490 | 6,760 | 6,080 | 5,460 | — |
| BCH0012M^ACY | YS11KAE | 15,380 | 14,030 | 12,760 | 11,560 | 10,430 | 9,390 | 8,430 | 7,540 | 6,740 | — |
| BCH0015M^ACY | YS12KAE | 17,340 | 15,870 | 14,460 | 13,130 | 11,880 | 10,730 | 9,650 | 8,660 | 7,750 | — |
| BCH0020M^ACY | YS14KAE | 20,280 | 18,590 | 16,980 | 15,490 | 14,040 | 12,710 | 11,470 | 10,310 | 9,250 | — |
| BCH0025M^ACY | YS16KAE | 22,190 | 20,390 | 18,670 | 17,020 | 15,500 | 14,050 | 12,690 | 11,440 | 10,280 | — |
| BCH0027M^ACY | YS19KAE | 28,630 | 26,180 | 23,860 | 21,670 | 19,630 | 17,730 | 15,970 | 14,340 | 12,840 | — |
| BCH0030M^ACY | YS21KAE | 31,540 | 28,830 | 26,290 | 23,900 | 21,660 | 19,580 | 17,640 | 15,860 | 14,210 | — |
| BCH0035M^ACY | YS24KAE | 34,400 | 31,580 | 28,820 | 26,230 | 23,800 | 21,530 | 19,430 | 17,480 | 15,680 | — |
| BCH0045M^ACY | YS26KAE | 38,220 | 35,090 | 32,090 | 29,300 | 26,590 | 24,100 | 21,770 | 19,600 | 17,600 | — |
| BCH0050M^ACY | YS30KAE | 41,750 | 38,400 | 35,180 | 32,100 | 29,280 | 26,580 | 24,060 | 21,720 | 19,550 | — |
| BCH0055M^ACY | YS33KAE | 46,640 | 43,020 | 39,540 | 36,220 | 33,080 | 30,110 | 27,360 | 24,740 | 22,330 | — |
| BCH0060M^ACY | YS40KAE | 52,730 | 48,880 | 45,230 | 41,560 | 38,060 | 34,760 | 31,640 | 28,690 | 25,990 | — |

| R-454C | | Capacity BTUH @ 110°F Ambient by SST | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | +40°F | +35°F | +30°F | +25°F | +20°F | +15°F | +10°F | +5°F | +0°F | -20°F |
| BCH0005M^ACY | YB06KAE | 7,600 | 6,930 | 6,290 | 5,700 | 5,150 | 4,640 | 4,170 | 3,740 | 3,340 | — |
| BCH0008M^ACY | YB07KAE | 8,120 | 7,350 | 6,650 | 5,990 | 5,400 | 4,840 | 4,340 | 3,880 | 3,450 | — |
| BCH0009M^ACY | YB08KAE | 10,040 | 9,210 | 8,400 | 7,660 | 6,970 | 6,310 | 5,700 | 5,140 | 4,620 | — |
| BCH0010M^ACY | YS09KAE | 10,940 | 10,050 | 9,210 | 8,400 | 7,640 | 6,940 | 6,260 | 5,650 | 5,080 | — |
| BCH0012M^ACY | YS11KAE | 14,300 | 13,050 | 11,870 | 10,750 | 9,710 | 8,740 | 7,850 | 7,030 | 6,280 | — |
| BCH0015M^ACY | YS12KAE | 16,140 | 14,750 | 13,440 | 12,210 | 11,060 | 9,990 | 8,990 | 8,080 | 7,240 | — |
| BCH0020M^ACY | YS14KAE | 18,790 | 17,210 | 15,740 | 14,360 | 13,040 | 11,810 | 10,660 | 9,600 | 8,620 | — |
| BCH0025M^ACY | YS16KAE | 20,550 | 18,900 | 17,310 | 15,790 | 14,390 | 13,050 | 11,800 | 10,640 | 9,570 | — |
| BCH0027M^ACY | YS19KAE | 26,680 | 24,410 | 22,250 | 20,220 | 18,310 | 16,550 | 14,900 | 13,390 | 11,990 | — |
| BCH0030M^ACY | YS21KAE | 29,340 | 26,860 | 24,500 | 22,270 | 20,190 | 18,250 | 16,450 | 14,790 | 13,250 | — |
| BCH0035M^ACY | YS24KAE | 32,020 | 29,400 | 26,820 | 24,410 | 22,160 | 20,060 | 18,090 | 16,280 | 14,600 | — |
| BCH0045M^ACY | YS26KAE | 35,550 | 32,610 | 29,900 | 27,300 | 24,780 | 22,460 | 20,290 | 18,280 | 16,410 | — |
| BCH0050M^ACY | YS30KAE | 38,710 | 35,620 | 32,660 | 29,830 | 27,220 | 24,720 | 22,390 | 20,220 | 18,210 | — |
| BCH0055M^ACY | YS33KAE | 43,050 | 39,740 | 36,550 | 33,510 | 30,630 | 27,900 | 25,380 | 22,960 | 20,730 | — |
| BCH0060M^ACY | YS40KAE | 48,510 | 45,030 | 41,720 | 38,370 | 35,170 | 32,150 | 29,230 | 26,590 | 24,110 | — |

**Notes:**
^ B = 208-230/1/60, C = 208-230/3/60, D = 460/3/60, E = 575/3/60
g. Must use round tube plate fin coil
20°F Max Superheat

# A2L PERFORMANCE DATA – R-455A

## Medium Temperature Models - Scroll Compressors

Please consult AWEF table on pages 43-44 to confirm DOE compliance per model

| R-455A | | Capacity BTUH @ 90°F Ambient by SST | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | +40°F | +35°F | +30°F | +25°F | +20°F | +15°F | +10°F | +5°F | +0°F | -20°F |
| BCH0005M^ACY | YB06KAE | 9,500 | 8,670 | 7,870 | 7,130 | 6,440 | 5,810 | 5,220 | 4,680 | 4,180 | — |
| BCH0008M^ACY | YB07KAE | 11,270 | 10,300 | 9,380 | 8,520 | 7,720 | 6,980 | 6,280 | 5,640 | 5,040 | — |
| BCH0009M^ACY | YB08KAE | 12,680 | 11,610 | 10,620 | 9,650 | 8,760 | 7,920 | 7,150 | 6,430 | 5,760 | — |
| BCH0010M^ACY | YS09KAE | 13,850 | 12,720 | 11,630 | 10,620 | 9,640 | 8,730 | 7,870 | 7,080 | 6,350 | — |
| BCH0012M^ACY | YS11KAE | 17,720 | 16,180 | 14,710 | 13,330 | 12,040 | 10,840 | 9,740 | 8,710 | 7,770 | — |
| BCH0015M^ACY | YS12KAE | 20,020 | 18,300 | 16,670 | 15,140 | 13,710 | 12,370 | 11,130 | 9,990 | 8,940 | — |
| BCH0020M^ACY | YS14KAE | 23,410 | 21,510 | 19,630 | 17,880 | 16,230 | 14,690 | 13,260 | 11,930 | 10,700 | — |
| BCH0025M^ACY | YS16KAE | 25,650 | 23,530 | 21,590 | 19,690 | 17,910 | 16,250 | 14,690 | 13,240 | 11,900 | — |
| BCH0027M^ACY | YS19KAE | 32,850 | 30,050 | 27,390 | 24,890 | 22,550 | 20,390 | 18,370 | 16,500 | 14,800 | — |
| BCH0030M^ACY | YS21KAE | 36,360 | 33,240 | 30,300 | 27,530 | 24,940 | 22,550 | 20,320 | 18,270 | 16,380 | — |
| BCH0035M^ACY | YS24KAE | 39,770 | 36,420 | 33,240 | 30,250 | 27,450 | 24,840 | 22,410 | 20,170 | 18,090 | — |
| BCH0045M^ACY | YS26KAE | 44,140 | 40,570 | 37,050 | 33,760 | 30,680 | 27,800 | 25,110 | 22,620 | 20,310 | — |
| BCH0050M^ACY | YS30KAE | 48,390 | 44,410 | 40,750 | 37,190 | 33,850 | 30,730 | 27,800 | 25,090 | 22,570 | — |
| BCH0055M^ACY | YS33KAE | 54,270 | 50,030 | 45,950 | 42,030 | 38,420 | 34,950 | 31,700 | 28,680 | 25,860 | — |
| BCH0060M^ACY | YS40KAE | 61,720 | 57,260 | 52,740 | 48,420 | 44,310 | 40,400 | 36,800 | 33,340 | 30,130 | — |

| R-455A | | Capacity BTUH @ 95°F Ambient by SST | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | +40°F | +35°F | +30°F | +25°F | +20°F | +15°F | +10°F | +5°F | +0°F | -20°F |
| BCH0005M^ACY | YB06KAE | 9,200 | 8,390 | 7,630 | 6,910 | 6,240 | 5,620 | 5,060 | 4,530 | 4,050 | — |
| BCH0008M^ACY | YB07KAE | 10,910 | 9,980 | 9,090 | 8,260 | 7,480 | 6,760 | 6,090 | 5,470 | 4,890 | — |
| BCH0009M^ACY | YB08KAE | 12,260 | 11,230 | 10,280 | 9,340 | 8,470 | 7,670 | 6,920 | 6,220 | 5,580 | — |
| BCH0010M^ACY | YS09KAE | 13,380 | 12,290 | 11,240 | 10,270 | 9,320 | 8,440 | 7,620 | 6,850 | 6,150 | — |
| BCH0012M^ACY | YS11KAE | 17,170 | 15,670 | 14,250 | 12,910 | 11,660 | 10,500 | 9,430 | 8,440 | 7,530 | — |
| BCH0015M^ACY | YS12KAE | 19,390 | 17,730 | 16,150 | 14,670 | 13,280 | 11,990 | 10,790 | 9,680 | 8,670 | — |
| BCH0020M^ACY | YS14KAE | 22,660 | 20,830 | 19,010 | 17,310 | 15,720 | 14,230 | 12,840 | 11,560 | 10,370 | — |
| BCH0025M^ACY | YS16KAE | 24,820 | 22,780 | 20,910 | 19,070 | 17,350 | 15,740 | 14,230 | 12,830 | 11,530 | — |
| BCH0027M^ACY | YS19KAE | 31,870 | 29,150 | 26,570 | 24,150 | 21,890 | 19,780 | 17,820 | 16,020 | 14,360 | — |
| BCH0030M^ACY | YS21KAE | 35,250 | 32,240 | 29,380 | 26,700 | 24,200 | 21,870 | 19,720 | 17,730 | 15,900 | — |
| BCH0035M^ACY | YS24KAE | 38,540 | 35,300 | 32,220 | 29,330 | 26,610 | 24,090 | 21,740 | 19,560 | 17,550 | — |
| BCH0045M^ACY | YS26KAE | 42,790 | 39,340 | 35,910 | 32,740 | 29,750 | 26,960 | 24,350 | 21,940 | 19,710 | — |
| BCH0050M^ACY | YS30KAE | 46,820 | 43,000 | 39,460 | 36,010 | 32,780 | 29,770 | 26,940 | 24,310 | 21,880 | — |
| BCH0055M^ACY | YS33KAE | 52,450 | 48,360 | 44,440 | 40,670 | 37,190 | 33,840 | 30,700 | 27,780 | 25,060 | — |
| BCH0060M^ACY | YS40KAE | 59,560 | 55,280 | 50,940 | 46,790 | 42,840 | 39,070 | 35,600 | 32,270 | 29,180 | — |

**Notes:**
^ B = 208-230/1/60, C = 208-230/3/60, D = 460/3/60, E = 575/3/60
g. Must use round tube plate fin coil
20°F Max Superheat

# A2L PERFORMANCE DATA – R-455A

## Medium Temperature Models - Scroll Compressors (Cont.)

Please consult AWEF table on pages 43-44 to confirm DOE compliance per model

| R-455A | | Capacity BTUH @ 100°F Ambient by SST | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | +40°F | +35°F | +30°F | +25°F | +20°F | +15°F | +10°F | +5°F | +0°F | -20°F |
| BCH0005M^ACY | YB06KAE | 8,900 | 8,110 | 7,370 | 6,680 | 6,030 | 5,440 | 4,890 | 4,380 | 3,920 | — |
| BCH0008M^ACY | YB07KAE | 10,550 | 9,650 | 8,790 | 7,990 | 7,240 | 6,550 | 5,890 | 5,290 | 4,740 | — |
| BCH0009M^ACY | YB08KAE | 11,830 | 10,850 | 9,910 | 9,020 | 8,190 | 7,410 | 6,690 | 6,020 | 5,400 | — |
| BCH0010M^ACY | YS09KAE | 12,900 | 11,860 | 10,850 | 9,920 | 9,000 | 8,150 | 7,360 | 6,620 | 5,950 | — |
| BCH0012M^ACY | YS11KAE | 16,610 | 15,160 | 13,780 | 12,490 | 11,280 | 10,160 | 9,120 | 8,170 | 7,290 | — |
| BCH0015M^ACY | YS12KAE | 18,740 | 17,140 | 15,620 | 14,180 | 12,840 | 11,600 | 10,440 | 9,370 | 8,400 | — |
| BCH0020M^ACY | YS14KAE | 21,920 | 20,140 | 18,370 | 16,740 | 15,200 | 13,760 | 12,430 | 11,180 | 10,040 | — |
| BCH0025M^ACY | YS16KAE | 23,970 | 22,020 | 20,210 | 18,430 | 16,770 | 15,220 | 13,770 | 12,410 | 11,160 | — |
| BCH0027M^ACY | YS19KAE | 30,860 | 28,230 | 25,740 | 23,400 | 21,210 | 19,170 | 17,270 | 15,520 | 13,920 | — |
| BCH0030M^ACY | YS21KAE | 34,120 | 31,210 | 28,450 | 25,860 | 23,430 | 21,190 | 19,100 | 17,170 | 15,400 | — |
| BCH0035M^ACY | YS24KAE | 37,280 | 34,160 | 31,190 | 28,390 | 25,760 | 23,320 | 21,050 | 18,940 | 17,000 | — |
| BCH0045M^ACY | YS26KAE | 41,420 | 38,010 | 34,760 | 31,700 | 28,800 | 26,110 | 23,590 | 21,250 | 19,090 | — |
| BCH0050M^ACY | YS30KAE | 45,210 | 41,550 | 38,150 | 34,810 | 31,700 | 28,790 | 26,070 | 23,530 | 21,190 | — |
| BCH0055M^ACY | YS33KAE | 50,570 | 46,660 | 42,890 | 39,280 | 35,930 | 32,690 | 29,680 | 26,870 | 24,250 | — |
| BCH0060M^ACY | YS40KAE | 57,350 | 53,260 | 49,100 | 45,120 | 41,330 | 37,720 | 34,380 | 31,170 | 28,200 | — |

| R-455A | | Capacity BTUH @ 110°F Ambient by SST | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Model | Compressor | +40°F | +35°F | +30°F | +25°F | +20°F | +15°F | +10°F | +5°F | +0°F | -20°F |
| BCH0005M^ACY | YB06KAE | 8,270 | 7,540 | 6,860 | 6,210 | 5,610 | 5,060 | 4,550 | 4,080 | 3,650 | — |
| BCH0008M^ACY | YB07KAE | 9,810 | 8,970 | 8,180 | 7,440 | 6,750 | 6,100 | 5,500 | 4,940 | 4,420 | — |
| BCH0009M^ACY | YB08KAE | 10,930 | 10,060 | 9,190 | 8,370 | 7,600 | 6,890 | 6,220 | 5,600 | 5,040 | — |
| BCH0010M^ACY | YS09KAE | 11,920 | 10,940 | 10,030 | 9,170 | 8,340 | 7,560 | 6,840 | 6,160 | 5,540 | — |
| BCH0012M^ACY | YS11KAE | 15,460 | 14,120 | 12,840 | 11,640 | 10,510 | 9,470 | 8,500 | 7,620 | 6,820 | — |
| BCH0015M^ACY | YS12KAE | 17,440 | 15,950 | 14,540 | 13,210 | 11,960 | 10,810 | 9,740 | 8,750 | 7,850 | — |
| BCH0020M^ACY | YS14KAE | 20,360 | 18,670 | 17,080 | 15,570 | 14,140 | 12,820 | 11,580 | 10,430 | 9,370 | — |
| BCH0025M^ACY | YS16KAE | 22,230 | 20,500 | 18,780 | 17,130 | 15,590 | 14,160 | 12,810 | 11,560 | 10,400 | — |
| BCH0027M^ACY | YS19KAE | 28,800 | 26,360 | 24,040 | 21,860 | 19,810 | 17,910 | 16,140 | 14,510 | 13,010 | — |
| BCH0030M^ACY | YS21KAE | 31,800 | 29,090 | 26,530 | 24,120 | 21,860 | 19,770 | 17,830 | 16,040 | 14,390 | — |
| BCH0035M^ACY | YS24KAE | 34,700 | 31,810 | 29,050 | 26,460 | 24,020 | 21,750 | 19,630 | 17,670 | 15,860 | — |
| BCH0045M^ACY | YS26KAE | 38,600 | 35,410 | 32,400 | 29,550 | 26,870 | 24,360 | 22,020 | 19,840 | 17,830 | — |
| BCH0050M^ACY | YS30KAE | 41,820 | 38,590 | 35,450 | 32,350 | 29,480 | 26,790 | 24,280 | 21,940 | 19,770 | — |
| BCH0055M^ACY | YS33KAE | 46,680 | 43,110 | 39,570 | 36,380 | 33,310 | 30,320 | 27,550 | 24,960 | 22,550 | — |
| BCH0060M^ACY | YS40KAE | 52,780 | 49,080 | 45,300 | 41,670 | 38,120 | 35,000 | 31,860 | 28,910 | 26,180 | — |

**Notes:**
^ B = 208-230/1/60, C = 208-230/3/60, D = 460/3/60, E = 575/3/60
g. Must use round tube plate fin coil
20°F Max Superheat

# A1 PERFORMANCE DATA – R-404A/R-507A

## Medium Temperature Models - Scroll Compressors

Please consult AWEF table on pages 45-47 to confirm DOE compliance per model

| R-404A/R-507A | | Capacity BTUH @ 90°F Ambient by SST | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| A1 Model | A2L Model | +40°F | +35°F | +30°F | +25°F | +20°F | +15°F | +10°F | +0°F |
| BC*0005M^ACZ | BCH0005M^ACY | 10,480 | 9,630 | 8,790 | 7,980 | 7,220 | 6,500 | 5,830 | 4,660 |
| BC*0008M^ACZ | BCH0008M^ACY | 12,370 | 11,280 | 10,280 | 9,350 | 8,520 | 7,740 | 7,020 | 5,710 |
| BC*0009M^ACZ | BCH0009M^ACY | 13,590 | 12,390 | 11,300 | 10,320 | 9,430 | 8,630 | 7,890 | 6,540 |
| BC*0010M^A‡Z | BCH0010M^ACY | 16,680 | 15,270 | 13,930 | 12,690 | 11,520 | 10,440 | 9,440 | 7,670 |
| BC*0012M^ACZ | BCH0012M^ACY | 19,540 | 17,910 | 16,340 | 14,880 | 13,520 | 12,260 | 11,090 | 9,010 |
| BC*0015M^A‡Z | BCH0015M^ACY | 24,210 | 22,090 | 20,090 | 18,230 | 16,490 | 14,910 | 13,440 | 10,860 |
| BC*0020M^A‡Z | BCH0020M^ACY | 28,390 | 26,020 | 23,670 | 21,520 | 19,510 | 17,650 | 15,930 | 12,920 |
| BC*0025M^A‡Z | BCH0025M^ACY | 31,330 | 28,660 | 26,160 | 23,780 | 21,570 | 19,540 | 17,650 | 14,330 |
| BC*0027M^ACZ | BCH0027M^ACY | 37,110 | 34,060 | 31,140 | 28,420 | 25,880 | 23,530 | 21,340 | 17,380 |
| BC*0030M^A‡Z | BCH0030M^ACY | 43,740 | 40,010 | 36,480 | 33,150 | 30,080 | 27,190 | 24,510 | 19,780 |
| BC*0035M^A‡Z | BCH0035M^ACY | 48,200 | 44,100 | 40,210 | 36,550 | 33,130 | 29,970 | 27,050 | 21,850 |
| BC*0045M^A‡Z | BCH0045M^ACY | 54,280 | 49,600 | 45,210 | 41,090 | 37,250 | 33,690 | 30,400 | 24,620 |
| BC*0050M^A‡Z | BCH0050M^ACY | 58,310 | 53,440 | 48,880 | 44,540 | 40,470 | 36,690 | 33,160 | 26,890 |
| BC*0055M^A‡Z | BCH0055M^ACY | 59,360 | 54,860 | 50,510 | 46,560 | 42,650 | 39,050 | 35,670 | 29,580 |
| BC*0060M^A‡Z | BCH0060M^ACY | 68,420 | 63,390 | 58,660 | 53,990 | 49,520 | 45,550 | 41,660 | 34,740 |

| R-404A/R-507A | | Capacity BTUH @ 95°F Ambient by SST | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| A1 Model | A2LL Model | +40°F | +35°F | +30°F | +25°F | +20°F | +15°F | +10°F | +0°F |
| **BC*0005M^ACZ** | **BCH0005M^ACY** | **10,060** | **9,240** | **8,430** | **7,660** | **6,930** | **6,240** | **5,600** | **4,480** |
| **BC*0008M^ACZ** | **BCH0008M^ACY** | **11,860** | **10,820** | **9,860** | **8,980** | **8,180** | **7,440** | **6,750** | **5,490** |
| **BC*0009M^ACZ** | **BCH0009M^ACY** | **13,000** | **11,870** | **10,830** | **9,900** | **9,050** | **8,290** | **7,580** | **6,270** |
| **BC*0010M^A‡Z** | **BCH0010M^ACY** | **16,020** | **14,670** | **13,380** | **12,200** | **11,080** | **10,040** | **9,080** | **7,390** |
| **BC*0012M^ACZ** | **BCH0012M^ACY** | **18,810** | **17,220** | **15,720** | **14,320** | **13,010** | **11,800** | **10,680** | **8,680** |
| **BC*0015M^A‡Z** | **BCH0015M^ACY** | **23,300** | **21,260** | **19,340** | **17,540** | **15,900** | **14,360** | **12,950** | **10,470** |
| **BC*0020M^A‡Z** | **BCH0020M^ACY** | **27,300** | **24,980** | **22,770** | **20,700** | **18,770** | **16,990** | **15,340** | **12,450** |
| **BC*0025M^A‡Z** | **BCH0025M^ACY** | **30,100** | **27,510** | **25,170** | **22,860** | **20,740** | **18,790** | **16,990** | **13,800** |
| **BC*0027M^ACZ** | **BCH0027M^ACY** | **35,730** | **32,760** | **29,970** | **27,360** | **24,930** | **22,670** | **20,560** | **16,750** |
| **BC*0030M^A‡Z** | **BCH0030M^ACY** | **42,040** | **38,470** | **35,080** | **31,930** | **28,950** | **26,180** | **23,610** | **19,080** |
| **BC*0035M^A‡Z** | **BCH0035M^ACY** | **46,320** | **42,390** | **38,660** | **35,160** | **31,880** | **28,870** | **26,050** | **21,070** |
| **BC*0045M^A‡Z** | **BCH0045M^ACY** | **52,140** | **47,650** | **43,440** | **39,500** | **35,820** | **32,410** | **29,260** | **23,720** |
| **BC*0050M^A‡Z** | **BCH0050M^ACY** | **55,960** | **51,360** | **46,940** | **42,790** | **38,900** | **35,270** | **31,900** | **25,900** |
| **BC*0055M^A‡Z** | **BCH0055M^ACY** | **56,980** | **52,660** | **48,570** | **44,620** | **40,930** | **37,470** | **34,230** | **28,380** |
| **BC*0060M^A‡Z** | **BCH0060M^ACY** | **65,650** | **60,830** | **56,280** | **51,800** | **47,550** | **43,730** | **39,970** | **33,350** |

**Notes:**
* H = Outdoor, N = Indoor
^ B = 208-230/1/60, C = 208-230/3/60, D = 460/3/60, E = 575/3/60
‡ C = Copeland, L = LG

# A1 PERFORMANCE DATA – R-404A/R-507A

## Medium Temperature Models - Scroll Compressors (Cont.)

Please consult AWEF table on pages 45-47 to confirm DOE compliance per model

| R-404A/R-507A | | Capacity BTUH @ 100°F Ambient by SST | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| A1 Model | A2L Model | +40°F | +35°F | +30°F | +25°F | +20°F | +15°F | +10°F | +0°F |
| BC*0005M^ACZ | BCH0005M^ACY | 9,640 | 8,840 | 8,070 | 7,340 | 6,630 | 5,980 | 5,360 | 4,290 |
| BC*0008M^ACZ | BCH0008M^ACY | 11,350 | 10,360 | 9,440 | 8,620 | 7,840 | 7,130 | 6,470 | 5,260 |
| BC*0009M^ACZ | BCH0009M^ACY | 12,430 | 11,350 | 10,370 | 9,480 | 8,680 | 7,940 | 7,270 | 6,000 |
| BC*0010M^A‡Z | BCH0010M^ACY | 15,350 | 14,040 | 12,860 | 11,690 | 10,620 | 9,630 | 8,720 | 7,100 |
| BC*0012M^ACZ | BCH0012M^ACY | 18,050 | 16,530 | 15,090 | 13,740 | 12,490 | 11,340 | 10,260 | 8,350 |
| BC*0015M^A‡Z | BCH0015M^ACY | 22,360 | 20,410 | 18,570 | 16,870 | 15,270 | 13,800 | 12,440 | 10,070 |
| BC*0020M^A‡Z | BCH0020M^ACY | 26,250 | 23,970 | 21,850 | 19,870 | 18,020 | 16,320 | 14,740 | 11,980 |
| BC*0025M^A‡Z | BCH0025M^ACY | 28,850 | 26,410 | 24,090 | 21,920 | 19,900 | 18,030 | 16,300 | 13,260 |
| BC*0027M^ACZ | BCH0027M^ACY | 34,290 | 31,450 | 28,780 | 26,280 | 23,950 | 21,790 | 19,770 | 16,120 |
| BC*0030M^A‡Z | BCH0030M^ACY | 40,300 | 36,950 | 33,700 | 30,650 | 27,800 | 25,150 | 22,700 | 18,360 |
| BC*0035M^A‡Z | BCH0035M^ACY | 44,400 | 40,650 | 37,090 | 33,740 | 30,640 | 27,730 | 25,030 | 20,260 |
| BC*0045M^A‡Z | BCH0045M^ACY | 49,890 | 45,650 | 41,640 | 37,870 | 34,350 | 31,100 | 28,090 | 22,810 |
| BC*0050M^A‡Z | BCH0050M^ACY | 53,500 | 49,250 | 44,970 | 41,000 | 37,290 | 33,830 | 30,610 | 24,890 |
| BC*0055M^A‡Z | BCH0055M^ACY | 54,550 | 50,420 | 46,510 | 42,720 | 39,180 | 35,870 | 32,760 | 27,170 |
| BC*0060M^A‡Z | BCH0060M^ACY | 62,860 | 58,240 | 53,880 | 49,590 | 45,520 | 41,800 | 38,270 | 31,940 |

| R-404A/R-507A | | Capacity BTUH @ 110°F Ambient by SST | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| A1 Model | A2L Model | +40°F | +35°F | +30°F | +25°F | +20°F | +15°F | +10°F | +0°F |
| BC*0005M^ACZ | BCH0005M^ACY | 8,770 | 8,060 | 7,360 | 6,690 | 6,050 | 5,450 | 4,890 | 3,920 |
| BC*0008M^ACZ | BCH0008M^ACY | 10,310 | 9,440 | 8,620 | 7,860 | 7,160 | 6,520 | 5,910 | 4,800 |
| BC*0009M^ACZ | BCH0009M^ACY | 11,310 | 10,340 | 9,460 | 8,660 | 7,930 | 7,260 | 6,650 | 5,470 |
| BC*0010M^A‡Z | BCH0010M^ACY | 13,980 | 12,820 | 11,690 | 10,650 | 9,680 | 8,780 | 7,950 | 6,500 |
| BC*0012M^ACZ | BCH0012M^ACY | 16,490 | 15,110 | 13,810 | 12,580 | 11,450 | 10,390 | 9,410 | 7,670 |
| BC*0015M^A‡Z | BCH0015M^ACY | 20,480 | 18,700 | 17,020 | 15,440 | 13,980 | 12,640 | 11,400 | 9,240 |
| BC*0020M^A‡Z | BCH0020M^ACY | 23,910 | 21,880 | 19,950 | 18,140 | 16,490 | 14,930 | 13,500 | 10,970 |
| BC*0025M^A‡Z | BCH0025M^ACY | 26,310 | 24,060 | 21,950 | 19,980 | 18,140 | 16,450 | 14,880 | 12,140 |
| BC*0027M^ACZ | BCH0027M^ACY | 31,340 | 28,770 | 26,350 | 24,080 | 21,960 | 19,990 | 18,150 | 14,820 |
| BC*0030M^A‡Z | BCH0030M^ACY | 36,830 | 33,730 | 30,790 | 28,020 | 25,420 | 23,020 | 20,790 | 16,860 |
| BC*0035M^A‡Z | BCH0035M^ACY | 40,560 | 37,150 | 33,910 | 30,860 | 28,000 | 25,360 | 22,910 | 18,580 |
| BC*0045M^A‡Z | BCH0045M^ACY | 45,400 | 41,560 | 37,920 | 34,570 | 31,380 | 28,430 | 25,700 | 20,890 |
| BC*0050M^A‡Z | BCH0050M^ACY | 48,680 | 44,690 | 40,890 | 37,310 | 33,950 | 30,830 | 27,920 | 22,790 |
| BC*0055M^A‡Z | BCH0055M^ACY | 49,590 | 45,860 | 42,240 | 38,820 | 35,590 | 32,570 | 29,740 | 24,660 |
| BC*0060M^A‡Z | BCH0060M^ACY | 57,200 | 53,130 | 49,020 | 45,100 | 41,470 | 38,050 | 34,840 | 29,110 |

**Notes:**
* H = Outdoor, N = Indoor
^ B = 208-230/1/60, C = 208-230/3/60, D = 460/3/60, E = 575/3/60
‡ C = Copeland, L = LG

# A1 PERFORMANCE DATA – R-448A/R-449A

## Medium Temperature Models - Scroll Compressors

Please consult AWEF table on pages 45-47 to confirm DOE compliance per model

| R-448A/R-449A | | Capacity BTUH @ 90°F Ambient by SST | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| A1 Model | A2L Model | +40°F | +35°F | +30°F | +25°F | +20°F | +15°F | +10°F | +0°F |
| BC*0005M^ACZ | BCH0005M^ACY | 9,680 | 8,840 | 8,030 | 7,260 | 6,530 | 5,840 | 5,200 | 4,090 |
| BC*0008M^ACZ | BCH0008M^ACY | 11,150 | 10,260 | 9,420 | 8,590 | 7,790 | 7,030 | 6,300 | 4,950 |
| BC*0009M^ACZ | BCH0009M^ACY | 12,580 | 11,680 | 10,770 | 9,870 | 9,020 | 8,160 | 7,340 | 5,780 |
| BC*0010M^A‡Z | BCH0010M^ACY | 13,500 | 12,240 | 11,080 | 10,050 | 9,130 | 8,310 | 7,570 | 6,330 |
| BC*0012M^ACZ | BCH0012M^ACY | 18,080 | 16,440 | 14,910 | 13,480 | 12,150 | 10,930 | 9,800 | 7,840 |
| BC*0015M^A‡Z | BCH0015M^ACY | 19,570 | 17,670 | 15,910 | 14,340 | 12,930 | 11,690 | 10,580 | 8,710 |
| BC*0020M^A‡Z | BCH0020M^ACY | 22,970 | 20,760 | 18,730 | 16,950 | 15,330 | 13,900 | 12,630 | 10,480 |
| BC*0025M^A‡Z | BCH0025M^ACY | 25,270 | 22,880 | 20,700 | 18,720 | 17,000 | 15,460 | 14,070 | 11,760 |
| BC*0027M^ACZ | BCH0027M^ACY | 34,270 | 31,240 | 28,390 | 25,730 | 23,250 | 20,960 | 18,840 | 15,100 |
| BC*0030M^A‡Z | BCH0030M^ACY | 37,270 | 34,140 | 31,100 | 28,270 | 25,610 | 23,160 | 20,880 | 16,860 |
| BC*0035M^A‡Z | BCH0035M^ACY | 45,170 | 41,130 | 37,250 | 33,700 | 30,310 | 27,240 | 24,440 | 19,780 |
| BC*0045M^A‡Z | BCH0045M^ACY | 45,790 | 42,010 | 38,410 | 35,040 | 31,820 | 28,810 | 26,030 | 21,100 |
| BC*0050M^A‡Z | BCH0050M^ACY | 50,040 | 46,000 | 42,110 | 38,410 | 34,880 | 31,620 | 28,470 | 22,790 |
| BC*0055M^A‡Z | BCH0055M^ACY | 55,890 | 51,810 | 47,850 | 43,820 | 39,900 | 36,130 | 32,480 | 25,820 |
| BC*0060M^A‡Z | BCH0060M^ACY | 64,210 | 59,590 | 54,990 | 50,460 | 46,130 | 41,830 | 37,700 | 30,120 |

| R-448A/R-449A | | Capacity BTUH @ 95°F Ambient by SST | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| A1 Model | A2L Model | +40°F | +35°F | +30°F | +25°F | +20°F | +15°F | +10°F | +0°F |
| **BC*0005M^ACZ** | **BCH0005M^ACY** | **9,350** | **8,540** | **7,770** | **7,020** | **6,320** | **5,660** | **5,040** | **3,970** |
| **BC*0008M^ACZ** | **BCH0008M^ACY** | **10,800** | **9,930** | **9,110** | **8,300** | **7,530** | **6,790** | **6,090** | **4,800** |
| **BC*0009M^ACZ** | **BCH0009M^ACY** | **12,190** | **11,310** | **10,440** | **9,570** | **8,730** | **7,910** | **7,110** | **5,590** |
| **BC*0010M^A‡Z** | **BCH0010M^ACY** | **12,970** | **11,790** | **10,700** | **9,700** | **8,840** | **8,090** | **7,420** | **6,310** |
| **BC*0012M^ACZ** | **BCH0012M^ACY** | **17,510** | **15,920** | **14,440** | **13,060** | **11,770** | **10,590** | **9,510** | **7,610** |
| **BC*0015M^A‡Z** | **BCH0015M^ACY** | **18,930** | **17,100** | **15,400** | **13,890** | **12,560** | **11,390** | **10,360** | **8,670** |
| **BC*0020M^A‡Z** | **BCH0020M^ACY** | **22,170** | **20,040** | **18,110** | **16,410** | **14,870** | **13,530** | **12,360** | **10,440** |
| **BC*0025M^A‡Z** | **BCH0025M^ACY** | **24,360** | **22,060** | **19,980** | **18,110** | **16,490** | **15,050** | **13,770** | **11,720** |
| **BC*0027M^ACZ** | **BCH0027M^ACY** | **33,230** | **30,280** | **27,530** | **24,950** | **22,550** | **20,330** | **18,280** | **14,660** |
| **BC*0030M^A‡Z** | **BCH0030M^ACY** | **36,100** | **33,080** | **30,140** | **27,410** | **24,850** | **22,490** | **20,300** | **16,460** |
| **BC*0035M^A‡Z** | **BCH0035M^ACY** | **43,700** | **39,780** | **36,030** | **32,610** | **29,340** | **26,400** | **23,740** | **19,390** |
| **BC*0045M^A‡Z** | **BCH0045M^ACY** | **44,320** | **40,680** | **37,160** | **33,920** | **30,880** | **27,990** | **25,320** | **20,620** |
| **BC*0050M^A‡Z** | **BCH0050M^ACY** | **48,410** | **44,500** | **40,720** | **37,130** | **33,700** | **30,520** | **27,430** | **21,860** |
| **BC*0055M^A‡Z** | **BCH0055M^ACY** | **53,950** | **49,980** | **46,120** | **42,200** | **38,380** | **34,720** | **31,190** | **24,760** |
| **BC*0060M^A‡Z** | **BCH0060M^ACY** | **61,970** | **57,480** | **53,020** | **48,620** | **44,410** | **40,240** | **36,250** | **28,970** |

**Notes:**
* H = Outdoor, N = Indoor
^ B = 208-230/1/60, C = 208-230/3/60, D = 460/3/60, E = 575/3/60
‡ C = Copeland, L = LG

# A1 PERFORMANCE DATA – R-448A/R-449A

## Medium Temperature Models - Scroll Compressors (Cont.)

Please consult AWEF table on pages 45-47 to confirm DOE compliance per model

| R-448A/R-449A | | Capacity BTUH @ 100°F Ambient by SST | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| A1 Model | A2L Model | +40°F | +35°F | +30°F | +25°F | +20°F | +15°F | +10°F | +0°F |
| BC*0005M^ACZ | BCH0005M^ACY | 9,020 | 8,240 | 7,500 | 6,780 | 6,100 | 5,470 | 4,880 | 3,860 |
| BC*0008M^ACZ | BCH0008M^ACY | 10,440 | 9,600 | 8,800 | 8,020 | 7,270 | 6,550 | 5,880 | 4,640 |
| BC*0009M^ACZ | BCH0009M^ACY | 11,790 | 10,940 | 10,100 | 9,260 | 8,450 | 7,650 | 6,870 | 5,400 |
| BC*0010M^A‡Z | BCH0010M^ACY | 12,440 | 11,330 | 10,290 | 9,350 | 8,550 | 7,860 | 7,240 | 6,300 |
| BC*0012M^ACZ | BCH0012M^ACY | 16,940 | 15,400 | 13,970 | 12,630 | 11,400 | 10,260 | 9,210 | 7,390 |
| BC*0015M^A‡Z | BCH0015M^ACY | 18,250 | 16,470 | 14,860 | 13,430 | 12,170 | 11,080 | 10,140 | 8,640 |
| BC*0020M^A‡Z | BCH0020M^ACY | 21,320 | 19,290 | 17,450 | 15,850 | 14,400 | 13,160 | 12,090 | 10,410 |
| BC*0025M^A‡Z | BCH0025M^ACY | 23,390 | 21,200 | 19,230 | 17,460 | 15,950 | 14,630 | 13,460 | 11,680 |
| BC*0027M^ACZ | BCH0027M^ACY | 32,160 | 29,310 | 26,650 | 24,160 | 21,840 | 19,700 | 17,710 | 14,220 |
| BC*0030M^A‡Z | BCH0030M^ACY | 34,940 | 32,020 | 29,190 | 26,560 | 24,110 | 21,850 | 19,750 | 16,100 |
| BC*0035M^A‡Z | BCH0035M^ACY | 42,110 | 38,310 | 34,710 | 31,370 | 28,280 | 25,480 | 22,970 | 18,940 |
| BC*0045M^A‡Z | BCH0045M^ACY | 42,840 | 39,360 | 35,990 | 32,890 | 29,970 | 27,200 | 24,660 | 20,190 |
| BC*0050M^A‡Z | BCH0050M^ACY | 46,740 | 42,940 | 39,290 | 35,790 | 32,480 | 29,370 | 26,340 | 20,880 |
| BC*0055M^A‡Z | BCH0055M^ACY | 51,980 | 48,130 | 44,370 | 40,570 | 36,870 | 33,320 | 29,920 | 23,750 |
| BC*0060M^A‡Z | BCH0060M^ACY | — | 55,380 | 51,060 | 46,930 | 42,720 | 38,700 | 34,860 | 27,870 |

| R-448A/R-449A | | Capacity BTUH @ 110°F Ambient by SST | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| A1 Model | A2L Model | +40°F | +35°F | +30°F | +25°F | +20°F | +15°F | +10°F | +0°F |
| BC*0005M^ACZ | BCH0005M^ACY | 8,320 | 7,620 | 6,940 | 6,290 | 5,670 | 5,090 | 4,550 | 3,620 |
| BC*0008M^ACZ | BCH0008M^ACY | 9,710 | 8,920 | 8,180 | 7,430 | 6,730 | 6,070 | 5,450 | 4,330 |
| BC*0009M^ACZ | BCH0009M^ACY | 10,970 | 10,190 | 9,410 | 8,630 | 7,880 | 7,130 | 6,400 | 5,010 |
| BC*0010M^A‡Z | BCH0010M^ACY | 11,310 | 10,330 | 9,410 | 8,590 | 7,930 | 7,350 | 6,880 | 6,240 |
| BC*0012M^ACZ | BCH0012M^ACY | 15,740 | 14,340 | 13,020 | 11,780 | 10,630 | 9,580 | 8,620 | 6,940 |
| BC*0015M^A‡Z | BCH0015M^ACY | 16,790 | 15,150 | 13,700 | 12,440 | 11,350 | 10,430 | 9,670 | 8,580 |
| BC*0020M^A‡Z | BCH0020M^ACY | 19,500 | 17,620 | 16,040 | 14,600 | 13,370 | 12,340 | 11,500 | 10,330 |
| BC*0025M^A‡Z | BCH0025M^ACY | 21,320 | 19,350 | 17,600 | 16,060 | 14,780 | 13,670 | 12,770 | 11,560 |
| BC*0027M^ACZ | BCH0027M^ACY | 29,950 | 27,340 | 24,870 | 22,550 | 20,400 | 18,410 | 16,570 | 13,330 |
| BC*0030M^A‡Z | BCH0030M^ACY | 32,600 | 29,870 | 27,310 | 24,910 | 22,680 | 20,640 | 18,750 | 15,510 |
| BC*0035M^A‡Z | BCH0035M^ACY | 38,590 | 34,980 | 31,820 | 28,670 | 25,870 | 23,370 | 21,180 | 17,820 |
| BC*0045M^A‡Z | BCH0045M^ACY | 39,920 | 36,740 | 33,690 | 30,870 | 28,220 | 25,730 | 23,450 | 19,510 |
| BC*0050M^A‡Z | BCH0050M^ACY | 43,230 | 39,680 | 36,250 | 32,900 | 29,830 | 26,820 | 23,970 | 18,720 |
| BC*0055M^A‡Z | BCH0055M^ACY | — | 45,420[g] | 40,880 | 37,340 | 33,920 | 30,610 | 27,550 | 22,000 |
| BC*0060M^A‡Z | BCH0060M^ACY | — | — | — | 44,290[g] | 39,520 | 35,830 | 32,340 | — |

**Notes:**
* H = Outdoor, N = Indoor
^ B = 208-230/1/60, C = 208-230/3/60, D = 460/3/60, E = 575/3/60
‡ C = Copeland, L = LG
g. Must use round tube plate fin coil

20°F Max Superheat

# A1 PERFORMANCE DATA – R-407A/R-407F

## Medium Temperature Models - Scroll Compressors

Please consult AWEF table on pages 45-47 to confirm DOE compliance per model

| R-407A | | Capacity BTUH @ 90°F Ambient by SST | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| A1 Model | A2L Model | +40°F | +35°F | +30°F | +25°F | +20°F | +15°F | +10°F | +0°F |
| BC*0005M^ACZ | BCH0005M^ACY | 10,150 | 9,230 | 8,340 | 7,510 | 6,740 | 6,040 | 5,420 | 4,430 |
| BC*0008M^ACZ | BCH0008M^ACY | 11,520 | 10,680 | 9,850 | 8,970 | 8,080 | 7,230 | 6,430 | 5,050 |
| BC*0009M^ACZ | BCH0009M^ACY | 12,540 | 11,940 | 11,210 | 10,340 | 9,430 | 8,490 | 7,520 | 5,790 |
| BC*0010M^A‡Z | BCH0010M^ACY | 14,550 | 13,360 | 12,240 | 11,200 | 10,230 | 9,360 | 8,550 | 7,050 |
| BC*0012M^ACZ | BCH0012M^ACY | 18,720 | 17,020 | 15,440 | 13,970 | 12,600 | 11,330 | 10,170 | 8,130 |
| BC*0015M^A‡Z | BCH0015M^ACY | 21,110 | 19,300 | 17,610 | 16,050 | 14,610 | 13,300 | 12,080 | 9,900 |
| BC*0020M^A‡Z | BCH0020M^ACY | 24,710 | 22,630 | 20,680 | 18,910 | 17,250 | 15,700 | 14,290 | 11,750 |
| BC*0025M^A‡Z | BCH0025M^ACY | 27,230 | 24,970 | 22,870 | 20,920 | 19,090 | 17,450 | 15,890 | 13,090 |
| BC*0027M^ACZ | BCH0027M^ACY | 35,650 | 32,480 | 29,520 | 26,750 | 24,170 | 21,790 | 19,580 | 15,680 |
| BC*0030M^A‡Z | BCH0030M^ACY | 38,360 | 35,160 | 32,010 | 29,090 | 26,340 | 23,770 | 21,370 | 17,080 |
| BC*0035M^A‡Z | BCH0035M^ACY | 42,110 | 38,470 | 35,120 | 31,890 | 28,900 | 26,130 | 23,550 | 18,940 |
| BC*0045M^A‡Z | BCH0045M^ACY | 46,300 | 42,460 | 38,760 | 35,370 | 32,110 | 29,070 | 26,200 | 20,980 |
| BC*0050M^A‡Z | BCH0050M^ACY | 51,350 | 47,200 | 43,230 | 39,460 | 35,870 | 32,550 | 29,350 | 23,530 |
| BC*0055M^A‡Z | BCH0055M^ACY | 56,200 | 52,290 | 48,280 | 44,370 | 40,570 | 36,920 | 33,460 | 26,920 |
| BC*0060M^A‡Z | BCH0060M^ACY | 65,340 | 60,610 | 56,130 | 51,600 | 47,260 | 43,130 | 39,200 | 31,980 |

| R-407A | | Capacity BTUH @ 95°F Ambient by SST | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| A1 Model | A2L Model | +40°F | +35°F | +30°F | +25°F | +20°F | +15°F | +10°F | +0°F |
| **BC*0005M^ACZ** | **BCH0005M^ACY** | **9,810** | **8,900** | **8,050** | **7,250** | **6,500** | **5,830** | **5,230** | **4,270** |
| **BC*0008M^ACZ** | **BCH0008M^ACY** | **11,130** | **10,320** | **9,500** | **8,670** | **7,810** | **6,980** | **6,200** | **4,870** |
| **BC*0009M^ACZ** | **BCH0009M^ACY** | **12,110** | **11,540** | **10,830** | **10,000** | **9,110** | **8,190** | **7,260** | **5,590** |
| **BC*0010M^A‡Z** | **BCH0010M^ACY** | **14,010** | **12,870** | **11,790** | **10,800** | **9,860** | **9,030** | **8,230** | **6,800** |
| **BC*0012M^ACZ** | **BCH0012M^ACY** | **18,080** | **16,440** | **14,920** | **13,500** | **12,170** | **10,960** | **9,840** | **7,880** |
| **BC*0015M^A‡Z** | **BCH0015M^ACY** | **20,350** | **18,640** | **17,000** | **15,500** | **14,110** | **12,840** | **11,670** | **9,560** |
| **BC*0020M^A‡Z** | **BCH0020M^ACY** | **23,830** | **21,830** | **19,920** | **18,210** | **16,650** | **15,160** | **13,790** | **11,340** |
| **BC*0025M^A‡Z** | **BCH0025M^ACY** | **26,230** | **24,070** | **22,050** | **20,160** | **18,410** | **16,830** | **15,330** | **12,630** |
| **BC*0027M^ACZ** | **BCH0027M^ACY** | **34,470** | **31,400** | **28,540** | **25,870** | **23,380** | **21,090** | **18,960** | **15,200** |
| **BC*0030M^A‡Z** | **BCH0030M^ACY** | **37,020** | **33,900** | **30,930** | **28,110** | **25,460** | **22,980** | **20,650** | **16,450** |
| **BC*0035M^A‡Z** | **BCH0035M^ACY** | **40,660** | **37,170** | **33,940** | **30,820** | **27,940** | **25,260** | **22,770** | **18,310** |
| **BC*0045M^A‡Z** | **BCH0045M^ACY** | **44,660** | **40,990** | **37,460** | **34,200** | **31,060** | **28,120** | **25,350** | **20,250** |
| **BC*0050M^A‡Z** | **BCH0050M^ACY** | **49,510** | **45,550** | **41,750** | **38,130** | **34,690** | **31,480** | **28,380** | **22,710** |
| **BC*0055M^A‡Z** | **BCH0055M^ACY** | **54,320** | **50,530** | **46,660** | **42,870** | **39,190** | **35,590** | **32,250** | **25,960** |
| **BC*0060M^A‡Z** | **BCH0060M^ACY** | **63,170** | **58,590** | **54,250** | **49,860** | **45,650** | **41,650** | **37,830** | **30,810** |

**Notes:**
* H = Outdoor, N = Indoor
^ B = 208-230/1/60, C = 208-230/3/60, D = 460/3/60, E = 575/3/60
‡ C = Copeland, L = LG

# A1 PERFORMANCE DATA – R-407A/R-407F

## Medium Temperature Models - Scroll Compressors (Cont.)

Please consult AWEF table on pages 45-47 to confirm DOE compliance per model

| R-407A | | Capacity BTUH @ 100°F Ambient by SST | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| A1 Model | A2L Model | +40°F | +35°F | +30°F | +25°F | +20°F | +15°F | +10°F | +0°F |
| BC*0005M^ACZ | BCH0005M^ACY | 9,450 | 8,570 | 7,750 | 6,980 | 6,270 | 5,620 | 5,040 | 4,110 |
| BC*0008M^ACZ | BCH0008M^ACY | 10,730 | 9,960 | 9,170 | 8,350 | 7,530 | 6,730 | 5,980 | 4,690 |
| BC*0009M^ACZ | BCH0009M^ACY | 11,680 | 11,130 | 10,450 | 9,650 | 8,810 | 7,910 | 7,010 | 5,390 |
| BC*0010M^A‡Z | BCH0010M^ACY | 17,400 | 15,850 | 14,390 | 13,020 | 11,750 | 10,580 | 9,500 | 7,620 |
| BC*0012M^ACZ | BCH0012M^ACY | 17,400 | 15,850 | 14,390 | 13,020 | 11,750 | 10,580 | 9,500 | 7,620 |
| BC*0015M^A‡Z | BCH0015M^ACY | 19,620 | 17,970 | 16,390 | 14,940 | 13,600 | 12,380 | 11,250 | 9,220 |
| BC*0020M^A‡Z | BCH0020M^ACY | 22,940 | 21,020 | 19,190 | 17,560 | 16,010 | 14,600 | 13,290 | 10,930 |
| BC*0025M^A‡Z | BCH0025M^ACY | 25,230 | 23,150 | 21,210 | 19,410 | 17,730 | 16,210 | 14,760 | 12,170 |
| BC*0027M^ACZ | BCH0027M^ACY | 33,220 | 30,310 | 27,560 | 24,980 | 22,590 | 20,370 | 18,320 | 14,700 |
| BC*0030M^A‡Z | BCH0030M^ACY | 35,680 | 32,680 | 29,830 | 27,130 | 24,580 | 22,180 | 19,930 | 15,830 |
| BC*0035M^A‡Z | BCH0035M^ACY | 39,180 | 35,840 | 32,730 | 29,730 | 26,950 | 24,370 | 21,960 | 17,660 |
| BC*0045M^A‡Z | BCH0045M^ACY | 43,030 | 39,530 | 36,160 | 33,030 | 30,010 | 27,180 | 24,500 | 19,540 |
| BC*0050M^A‡Z | BCH0050M^ACY | 47,700 | 43,920 | 40,290 | 36,770 | 33,520 | 30,430 | 27,430 | 21,920 |
| BC*0055M^A‡Z | BCH0055M^ACY | 52,380 | 48,730 | 44,990 | 41,330 | 37,770 | 34,310 | 31,020 | 25,000 |
| BC*0060M^A‡Z | BCH0060M^ACY | 60,950 | 56,530 | 52,340 | 48,090 | 44,020 | 40,140 | 36,440 | 29,630 |

| R-407A | | Capacity BTUH @ 110°F Ambient by SST | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| A1 Model | A2L Model | +40°F | +35°F | +30°F | +25°F | +20°F | +15°F | +10°F | +0°F |
| BC*0005M^ACZ | BCH0005M^ACY | 8,690 | 7,900 | 7,150 | 6,440 | 5,780 | 5,180 | 4,650 | 3,790 |
| BC*0008M^ACZ | BCH0008M^ACY | 9,920 | 9,210 | 8,480 | 7,720 | 6,960 | 6,220 | 5,520 | 4,320 |
| BC*0009M^ACZ | BCH0009M^ACY | 10,780 | 10,290 | 9,660 | 8,940 | 8,160 | 7,330 | 6,500 | 4,990 |
| BC*0010M^A‡Z | BCH0010M^ACY | 12,370 | 11,370 | 10,430 | 9,560 | 8,740 | 8,010 | 7,310 | 6,050 |
| BC*0012M^ACZ | BCH0012M^ACY | 16,070 | 14,650 | 13,310 | 12,050 | 10,890 | 9,820 | 8,830 | 7,120 |
| BC*0015M^A‡Z | BCH0015M^ACY | 18,120 | 16,600 | 15,130 | 13,800 | 12,570 | 11,440 | 10,400 | 8,540 |
| BC*0020M^A‡Z | BCH0020M^ACY | 21,130 | 19,370 | 17,700 | 16,200 | 14,780 | 13,480 | 12,280 | 10,110 |
| BC*0025M^A‡Z | BCH0025M^ACY | 23,190 | 21,300 | 19,520 | 17,840 | 16,350 | 14,950 | 13,610 | 11,240 |
| BC*0027M^ACZ | BCH0027M^ACY | 30,750 | 28,070 | 25,540 | 23,170 | 20,960 | 18,930 | 17,040 | 13,720 |
| BC*0030M^A‡Z | BCH0030M^ACY | 33,070 | 30,320 | 27,720 | 25,250 | 22,900 | 20,690 | 18,590 | 14,730 |
| BC*0035M^A‡Z | BCH0035M^ACY | 36,100 | 33,120 | 30,200 | 27,470 | 24,910 | 22,520 | 20,300 | 16,300 |
| BC*0045M^A‡Z | BCH0045M^ACY | 39,840 | 36,620 | 33,650 | 30,790 | 28,050 | 25,420 | 22,930 | 18,280 |
| BC*0050M^A‡Z | BCH0050M^ACY | 44,170 | 40,780 | 37,500 | 34,330 | 31,370 | 28,490 | 25,730 | 20,550 |
| BC*0055M^A‡Z | BCH0055M^ACY | — | 45600[g] | 41,540 | 38,160 | 34,870 | 31,680 | 28,680 | 23,070 |
| BC*0060M^A‡Z | BCH0060M^ACY | — | — | — | 45040[g] | 40,670 | 37,070 | 33,630 | — |

**Notes:**
* H = Outdoor, N = Indoor
^ B = 208-230/1/60, C = 208-230/3/60, D = 460/3/60, E = 575/3/60
‡ C = Copeland, L = LG
g. Must use round tube plate fin coil

20°F Max Superheat

# A1 PERFORMANCE DATA – R-407C

## Medium Temperature Models - Scroll Compressors

Please consult AWEF table on pages 45-47 to confirm DOE compliance per model

| R-407C | | Capacity BTUH @ 90°F Ambient by SST | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| A1 Model | A2L Model | +40°F | +35°F | +30°F | +25°F | +20°F | +15°F | +10°F | +0°F |
| BC*0005M^ACZ | BCH0005M^ACY | 9,050 | 8,160 | 7,330 | 6,550 | 5,840 | 5,190 | 4,610 | 3,640 |
| BC*0008M^ACZ | BCH0008M^ACY | 10,540 | 9,640 | 8,740 | 7,890 | 7,080 | 6,320 | 5,610 | 4,370 |
| BC*0009M^ACZ | BCH0009M^ACY | 12,060 | 11,070 | 10,100 | 9,180 | 8,280 | 7,430 | 6,620 | 5,160 |
| BCH0010M^ACY | BCH0010M^ACY | 13,360 | 12,280 | 11,230 | 10,210 | 9,240 | 8,320 | 7,400 | 5,630 |
| BC*0015M^A‡Z | BCH0015M^ACY | 19,040 | 17,460 | 15,900 | 14,420 | 13,010 | 11,650 | 10,330 | 7,780 |
| BC*0020M^A‡Z | BCH0020M^ACY | 22,470 | 20,610 | 18,810 | 17,100 | 15,420 | 13,830 | 12,290 | 9,320 |
| BC*0025M^A‡Z | BCH0025M^ACY | 24,930 | 22,890 | 20,910 | 19,000 | 17,190 | 15,440 | 13,760 | 10,580 |
| BC*0030M^A‡Z | BCH0030M^ACY | 35,120 | 32,080 | 29,200 | 26,450 | 23,820 | 21,330 | 18,950 | 14,510 |
| BC*0035M^A‡Z | BCH0035M^ACY | 38,430 | 35,230 | 32,090 | 29,110 | 26,260 | 23,530 | 20,890 | 15,790 |
| BC*0045M^A‡Z | BCH0045M^ACY | 42,540 | 38,950 | 35,570 | 32,320 | 29,140 | 26,130 | 23,240 | 17,760 |
| BC*0050M^A‡Z | BCH0050M^ACY | 46,520 | 42,680 | 38,930 | 35,410 | 32,010 | 28,700 | 25,520 | 19,430 |
| BC*0055M^A‡Z | BCH0055M^ACY | 57,160 | 52,990 | 48,750 | 44,620 | 40,630 | 36,830 | 33,190 | 26,540 |
| BC*0060M^A‡Z | BCH0060M^ACY | 66,930 | 61,820 | 56,840 | 52,150 | 47,540 | 43,190 | 39,070 | 31,570 |

| R-407C | | Capacity BTUH @ 95°F Ambient by SST | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| A1 Model | A2L Model | +40°F | +35°F | +30°F | +25°F | +20°F | +15°F | +10°F | +0°F |
| **BC*0005M^ACZ** | **BCH0005M^ACY** | **8,770** | **7,920** | **7,110** | **6,360** | **5,670** | **5,050** | **4,490** | **3,550** |
| **BC*0008M^ACZ** | **BCH0008M^ACY** | **10,210** | **9,340** | **8,480** | **7,650** | **6,870** | **6,130** | **5,450** | **4,260** |
| **BC*0009M^ACZ** | **BCH0009M^ACY** | **11,670** | **10,720** | **9,790** | **8,900** | **8,030** | **7,200** | **6,420** | **5,010** |
| **BC*0010M^A‡Z** | **BCH0010M^ACY** | **12,990** | **11,950** | **10,930** | **9,940** | **9,000** | **8,090** | **7,200** | **5,460** |
| **BC*0015M^A‡Z** | **BCH0015M^ACY** | **18,530** | **16,970** | **15,480** | **14,050** | **12,670** | **11,350** | **10,060** | **7,560** |
| **BC*0020M^A‡Z** | **BCH0020M^ACY** | **21,850** | **20,030** | **18,320** | **16,650** | **15,020** | **13,470** | **11,960** | **9,060** |
| **BC*0025M^A‡Z** | **BCH0025M^ACY** | **24,240** | **22,270** | **20,350** | **18,500** | **16,740** | **15,040** | **13,390** | **10,280** |
| **BC*0030M^A‡Z** | **BCH0030M^ACY** | **34,140** | **31,240** | **28,440** | **25,770** | **23,220** | **20,790** | **18,460** | **14,090** |
| **BC*0035M^A‡Z** | **BCH0035M^ACY** | **37,410** | **34,300** | **31,260** | **28,370** | **25,590** | **22,930** | **20,350** | **15,340** |
| **BC*0045M^A‡Z** | **BCH0045M^ACY** | **41,380** | **37,920** | **34,650** | **31,450** | **28,390** | **25,460** | **22,630** | **17,270** |
| **BC*0050M^A‡Z** | **BCH0050M^ACY** | **45,260** | **41,550** | **37,910** | **34,490** | **31,170** | **27,930** | **24,810** | **18,810** |
| **BC*0055M^A‡Z** | **BCH0055M^ACY** | **55,540** | **51,480** | **47,340** | **43,310** | **39,420** | **35,660** | **32,170** | **25,700** |
| **BC*0060M^A‡Z** | **BCH0060M^ACY** | **65,100** | **60,110** | **55,250** | **50,650** | **46,150** | **41,900** | **37,880** | **30,600** |

**Notes:**
* H = Outdoor, N = Indoor
^ B = 208-230/1/60, C = 208-230/3/60, D = 460/3/60, E = 575/3/60
‡ C = Copeland, L = LG

# A1 PERFORMANCE DATA – R-407C

## Medium Temperature Models - Scroll Compressors (Cont.)

Please consult AWEF table on pages 45-47 to confirm DOE compliance per model

| R-407C | | Capacity BTUH @ 100°F Ambient by SST | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| A1 Model | A2L Model | +40°F | +35°F | +30°F | +25°F | +20°F | +15°F | +10°F | +0°F |
| BC*0005M^ACZ | BCH0005M^ACY | 8,490 | 7,660 | 6,890 | 6,170 | 5,510 | 4,900 | 4,360 | 3,460 |
| BC*0008M^ACZ | BCH0008M^ACY | 9,880 | 9,040 | 8,200 | 7,410 | 6,650 | 5,950 | 5,290 | 4,140 |
| BC*0009M^ACZ | BCH0009M^ACY | 11,280 | 10,370 | 9,470 | 8,610 | 7,770 | 6,970 | 6,220 | 4,870 |
| BC*0010M^A‡Z | BCH0010M^ACY | 12,630 | 11,610 | 10,630 | 9,670 | 8,760 | 7,860 | 6,990 | 5,290 |
| BC*0015M^A‡Z | BCH0015M^ACY | 18,020 | 16,510 | 15,060 | 13,670 | 12,330 | 11,040 | 9,780 | 7,330 |
| BC*0020M^A‡Z | BCH0020M^ACY | 21,240 | 19,480 | 17,800 | 16,200 | 14,620 | 13,100 | 11,630 | 8,780 |
| BC*0025M^A‡Z | BCH0025M^ACY | 23,560 | 21,650 | 19,790 | 17,990 | 16,290 | 14,620 | 13,010 | 9,960 |
| BC*0030M^A‡Z | BCH0030M^ACY | 33,210 | 30,390 | 27,680 | 25,090 | 22,600 | 20,230 | 17,950 | 13,650 |
| BC*0035M^A‡Z | BCH0035M^ACY | 36,370 | 33,380 | 30,420 | 27,610 | 24,910 | 22,320 | 19,790 | 14,880 |
| BC*0045M^A‡Z | BCH0045M^ACY | 40,240 | 36,900 | 33,720 | 30,610 | 27,640 | 24,780 | 22,020 | 16,760 |
| BC*0050M^A‡Z | BCH0050M^ACY | 44,000 | 40,400 | 36,880 | 33,540 | 30,310 | 27,130 | 24,070 | 18,140 |
| BC*0055M^A‡Z | BCH0055M^ACY | 53,900 | 49,940 | 45,910 | 41,980 | 38,200 | 34,540 | 31,140 | 24,850 |
| BC*0060M^A‡Z | BCH0060M^ACY | 63,250 | 58,380 | 53,640 | 49,140 | 44,750 | 40,600 | 36,670 | 29,600 |

| R-407C | | Capacity BTUH @ 110°F Ambient by SST | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| A1 Model | A2L Model | +40°F | +35°F | +30°F | +25°F | +20°F | +15°F | +10°F | +0°F |
| BC*0005M^ACZ | BCH0005M^ACY | 7,900 | 7,150 | 6,430 | 5,770 | 5,160 | 4,610 | 4,110 | 3,270 |
| BC*0008M^ACZ | BCH0008M^ACY | 9,210 | 8,420 | 7,660 | 6,920 | 6,220 | 5,570 | 4,960 | 3,910 |
| BC*0009M^ACZ | BCH0009M^ACY | 10,490 | 9,630 | 8,810 | 8,030 | 7,250 | 6,520 | 5,820 | 4,580 |
| BC*0010M^A‡Z | BCH0010M^ACY | 11,890 | 10,940 | 10,020 | 9,110 | 8,250 | 7,390 | 6,560 | 4,910 |
| BC*0015M^A‡Z | BCH0015M^ACY | 17,000 | 15,580 | 14,220 | 12,910 | 11,640 | 10,410 | 9,200 | 6,830 |
| BC*0020M^A‡Z | BCH0020M^ACY | 20,020 | 18,380 | 16,820 | 15,280 | 13,790 | 12,350 | 10,940 | 8,190 |
| BC*0025M^A‡Z | BCH0025M^ACY | 22,180 | 20,400 | 18,660 | 16,970 | 15,350 | 13,760 | 12,230 | 9,280 |
| BC*0030M^A‡Z | BCH0030M^ACY | 31,340 | 28,710 | 26,150 | 23,700 | 21,330 | 19,070 | 16,870 | 12,700 |
| BC*0035M^A‡Z | BCH0035M^ACY | 34,340 | 31,480 | 28,730 | 26,080 | 23,510 | 21,040 | 18,610 | 13,860 |
| BC*0045M^A‡Z | BCH0045M^ACY | 37,910 | 34,900 | 31,870 | 28,930 | 26,120 | 23,400 | 20,760 | 15,680 |
| BC*0050M^A‡Z | BCH0050M^ACY | 41,460 | 38,090 | 34,770 | 31,610 | 28,480 | 25,460 | 22,490 | 16,710 |
| BC*0055M^A‡Z | BCH0055M^ACY | — | 47370[g] | 42,970 | 39,270 | 35,700 | 32,270 | 29,060 | 23,160 |
| BC*0060M^A‡Z | BCH0060M^ACY | — | — | — | 46710[g] | 41,900 | 37,960 | 34,250 | — |

**Notes:**
* H = Outdoor, N = Indoor
^ B = 208-230/1/60, C = 208-230/3/60, D = 460/3/60, E = 575/3/60
‡ C = Copeland, L = LG
g. Must use round tube plate fin coil
20°F Max Superheat

# A2L PERFORMANCE DATA – R-454A

## Low Temperature Models - Scroll Compressors

Please consult AWEF table on page 48 to confirm DOE compliance per model

| R-454A | | 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 |
| BCH0006L^ACY | YF03KAE | 5,040 | 4,490 | 3,980 | 3,530 | 3,110 | 2,740 | 2,410 | 2,120 | 1,870 |
| BCH0008L^ACY | YF04KAE | 6,570 | 5,880 | 5,250 | 4,670 | 4,130 | 3,650 | 3,210 | 2,820 | 2,480 |
| BCH0010L^ACY | YF05KAE | 7,560 | 6,790 | 6,080 | 5,420 | 4,810 | 4,260 | 3,760 | 3,310 | 2,910 |
| BCH0018L^ACY | YF06KAE | 10,030 | 9,050 | 8,160 | 7,320 | 6,540 | 5,820 | 5,160 | 4,560 | 4,010 |
| BCH0022L^ACY | YF07KAE | 10,930 | 9,910 | 8,940 | 8,040 | 7,210 | 6,440 | 5,710 | 5,050 | 4,450 |
| BCH0025L^ACY | YF06KSE | 13,840 | 12,440 | 11,160 | 9,980 | 8,900 | 7,910 | 7,010 | 6,170 | 5,390 |
| BCH0030L^ACY | YF07KSE | 15,280 | 13,760 | 12,360 | 11,070 | 9,880 | 8,790 | 7,790 | 6,860 | 5,990 |
| BCH0035L^ACY | YF09KSE | 18,430 | 16,670 | 15,030 | 13,490 | 12,080 | 10,780 | 9,580 | 8,460 | 7,410 |
| BCH0045L^ACY | YF10KAE | 22,830 | 20,520 | 18,410 | 16,460 | 14,680 | 13,050 | 11,550 | 10,160 | 8,870 |
| BCH0055L^ACY | YF13KAE | 27,580 | 24,830 | 22,310 | 19,990 | 17,860 | 15,900 | 14,100 | 12,430 | 10,860 |
| BCH0060L^ACY | YF15KAE | 31,990 | 28,870 | 25,940 | 23,250 | 20,790 | 18,520 | 16,450 | 14,520 | 12,730 |

| R-454A | | 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 |
| **BCH0006L^ACY** | **YF03KAE** | **4,870** | **4,340** | **3,860** | **3,420** | **3,020** | **2,660** | **2,340** | **2,060** | **1,820** |
| **BCH0008L^ACY** | **YF04KAE** | **6,350** | **5,690** | **5,080** | **4,520** | **4,010** | **3,540** | **3,120** | **2,740** | **2,410** |
| **BCH0010L^ACY** | **YF05KAE** | **7,290** | **6,560** | **5,870** | **5,240** | **4,660** | **4,130** | **3,650** | **3,220** | **2,830** |
| **BCH0018L^ACY** | **YF06KAE** | **9,650** | **8,710** | **7,860** | **7,070** | **6,320** | **5,630** | **5,000** | **4,420** | **3,890** |
| **BCH0022L^ACY** | **YF07KAE** | **10,520** | **9,540** | **8,620** | **7,760** | **6,960** | **6,220** | **5,530** | **4,890** | **4,310** |
| **BCH0025L^ACY** | **YF06KSE** | **13,400** | **12,050** | **10,820** | **9,680** | **8,640** | **7,680** | **6,810** | **6,000** | **5,250** |
| **BCH0030L^ACY** | **YF07KSE** | **14,800** | **13,330** | **11,980** | **10,730** | **9,590** | **8,540** | **7,570** | **6,670** | **5,840** |
| **BCH0035L^ACY** | **YF09KSE** | **17,820** | **16,130** | **14,550** | **13,070** | **11,710** | **10,460** | **9,300** | **8,220** | **7,210** |
| **BCH0045L^ACY** | **YF10KAE** | **22,130** | **19,890** | **17,850** | **15,970** | **14,250** | **12,670** | **11,230** | **9,890** | **8,630** |
| **BCH0055L^ACY** | **YF13KAE** | **26,690** | **24,040** | **21,610** | **19,370** | **17,320** | **15,430** | **13,690** | **12,080** | **10,580** |
| **BCH0060L^ACY** | **YF15KAE** | **30,930** | **27,920** | **25,100** | **22,510** | **20,140** | **17,960** | **15,960** | **14,110** | **12,390** |

**Notes:**
^ B = 208-230/1/60, C = 208-230/3/60, D = 460/3/60, E = 575/3/60

# A2L PERFORMANCE DATA – R-454A

## Low Temperature Models - Scroll Compressors (Cont.)

Please consult AWEF table on page 48 to confirm DOE compliance per model

| R-454A | | 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 |
| BCH0006L^ACY | YF03KAE | 4,700 | 4,190 | 3,730 | 3,310 | 2,920 | 2,580 | 2,280 | 2,010 | 1,770 |
| BCH0008L^ACY | YF04KAE | 6,120 | 5,490 | 4,910 | 4,370 | 3,880 | 3,430 | 3,020 | 2,660 | 2,340 |
| BCH0010L^ACY | YF05KAE | 7,030 | 6,320 | 5,670 | 5,070 | 4,510 | 4,000 | 3,540 | 3,120 | 2,750 |
| BCH0018L^ACY | YF06KAE | 9,260 | 8,370 | 7,560 | 6,810 | 6,090 | 5,430 | 4,830 | 4,280 | 3,770 |
| BCH0022L^ACY | YF07KAE | 10,100 | 9,170 | 8,290 | 7,480 | 6,710 | 6,000 | 5,340 | 4,730 | 4,160 |
| BCH0025L^ACY | YF06KSE | 12,960 | 11,660 | 10,470 | 9,370 | 8,370 | 7,450 | 6,600 | 5,830 | 5,100 |
| BCH0030L^ACY | YF07KSE | 14,310 | 12,890 | 11,590 | 10,390 | 9,290 | 8,280 | 7,350 | 6,480 | 5,680 |
| BCH0035L^ACY | YF09KSE | 17,200 | 15,570 | 14,060 | 12,630 | 11,330 | 10,130 | 9,020 | 7,980 | 7,010 |
| BCH0045L^ACY | YF10KAE | 21,410 | 19,250 | 17,270 | 15,460 | 13,800 | 12,280 | 10,890 | 9,600 | 8,400 |
| BCH0055L^ACY | YF13KAE | 25,780 | 23,240 | 20,890 | 18,740 | 16,760 | 14,940 | 13,270 | 11,730 | 10,280 |
| BCH0060L^ACY | YF15KAE | 29,840 | 26,950 | 24,270 | 21,750 | 19,470 | 17,380 | 15,460 | 13,690 | 12,040 |

| R-454A | | 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 |
| BCH0006L^ACY | YF03KAE | 4,350 | 3,890 | 3,470 | 3,080 | 2,730 | 2,420 | 2,140 | 1,900 | 1,680 |
| BCH0008L^ACY | YF04KAE | 5,660 | 5,090 | 4,560 | 4,070 | 3,620 | 3,210 | 2,840 | 2,510 | 2,210 |
| BCH0010L^ACY | YF05KAE | 6,490 | 5,850 | 5,260 | 4,710 | 4,200 | 3,740 | 3,320 | 2,940 | 2,590 |
| BCH0018L^ACY | YF06KAE | 8,460 | 7,670 | 6,940 | 6,270 | 5,630 | 5,030 | 4,480 | 3,980 | 3,520 |
| BCH0022L^ACY | YF07KAE | 9,220 | 8,400 | 7,610 | 6,880 | 6,190 | 5,550 | 4,950 | 4,390 | 3,870 |
| BCH0025L^ACY | YF06KSE | 12,040 | 10,840 | 9,740 | 8,730 | 7,800 | 6,960 | 6,180 | 5,470 | 4,800 |
| BCH0030L^ACY | YF07KSE | 13,290 | 11,990 | 10,790 | 9,680 | 8,670 | 7,730 | 6,880 | 6,090 | 5,350 |
| BCH0035L^ACY | YF09KSE | 15,900 | 14,420 | 13,040 | 11,750 | 10,540 | 9,440 | 8,430 | 7,480 | 6,590 |
| BCH0045L^ACY | YF10KAE | 19,900 | 17,910 | 16,080 | 14,410 | 12,880 | 11,480 | 10,200 | 9,010 | 7,910 |
| BCH0055L^ACY | YF13KAE | 23,900 | 21,550 | 19,400 | 17,420 | 15,600 | 13,930 | 12,410 | 10,990 | 9,670 |
| BCH0060L^ACY | YF15KAE | 27,600 | 24,940 | 22,490 | 20,210 | 18,120 | 16,200 | 14,450 | 12,830 | 11,330 |

**Notes:**
^ B = 208-230/1/60, C = 208-230/3/60, D = 460/3/60, E = 575/3/60

# A2L PERFORMANCE DATA – R-454C

## Low Temperature Models - Scroll Compressors

Please consult AWEF table on page 48 to confirm DOE compliance per model

| R-454C | | 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 |
| BCH0006L^ACY | YF03KAE | 4,280 | 3,800 | 3,370 | 2,980 | 2,620 | 2,310 | 2,020 | 1,780 | 1,560 |
| BCH0008L^ACY | YF04KAE | 5,590 | 5,000 | 4,450 | 3,950 | 3,490 | 3,080 | 2,710 | 2,380 | 2,080 |
| BCH0010L^ACY | YF05KAE | 6,460 | 5,790 | 5,170 | 4,600 | 4,080 | 3,600 | 3,180 | 2,790 | 2,440 |
| BCH0018L^ACY | YF06KAE | 8,580 | 7,720 | 6,950 | 6,220 | 5,530 | 4,910 | 4,350 | 3,830 | 3,370 |
| BCH0022L^ACY | YF07KAE | 9,360 | 8,460 | 7,600 | 6,820 | 6,100 | 5,420 | 4,810 | 4,250 | 3,750 |
| BCH0025L^ACY | YF06KSE | 11,900 | 10,680 | 9,560 | 8,540 | 7,600 | 6,740 | 5,960 | 5,240 | 4,570 |
| BCH0030L^ACY | YF07KSE | 13,130 | 11,810 | 10,590 | 9,460 | 8,430 | 7,480 | 6,610 | 5,810 | 5,060 |
| BCH0035L^ACY | YF09KSE | 15,870 | 14,330 | 12,900 | 11,550 | 10,320 | 9,180 | 8,140 | 7,170 | 6,270 |
| BCH0045L^ACY | YF10KAE | 19,580 | 17,560 | 15,720 | 14,020 | 12,470 | 11,050 | 9,760 | 8,570 | 7,460 |
| BCH0055L^ACY | YF13KAE | 23,660 | 21,270 | 19,080 | 17,050 | 15,200 | 13,500 | 11,940 | 10,500 | 9,150 |
| BCH0060L^ACY | YF15KAE | 27,540 | 24,820 | 22,270 | 19,940 | 17,800 | 15,840 | 14,030 | 12,350 | 10,790 |

| R-454C | | 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 |
| **BCH0006L^ACY** | **YF03KAE** | **4,130** | **3,670** | **3,260** | **2,880** | **2,540** | **2,240** | **1,970** | **1,730** | **1,520** |
| **BCH0008L^ACY** | **YF04KAE** | **5,400** | **4,830** | **4,300** | **3,820** | **3,380** | **2,980** | **2,630** | **2,310** | **2,030** |
| **BCH0010L^ACY** | **YF05KAE** | **6,230** | **5,590** | **4,990** | **4,450** | **3,950** | **3,490** | **3,080** | **2,710** | **2,380** |
| **BCH0018L^ACY** | **YF06KAE** | **8,250** | **7,440** | **6,700** | **6,000** | **5,340** | **4,750** | **4,210** | **3,720** | **3,270** |
| **BCH0022L^ACY** | **YF07KAE** | **9,000** | **8,140** | **7,320** | **6,570** | **5,880** | **5,240** | **4,650** | **4,120** | **3,630** |
| **BCH0025L^ACY** | **YF06KSE** | **11,530** | **10,350** | **9,270** | **8,280** | **7,370** | **6,540** | **5,780** | **5,090** | **4,450** |
| **BCH0030L^ACY** | **YF07KSE** | **12,720** | **11,440** | **10,260** | **9,170** | **8,170** | **7,260** | **6,420** | **5,640** | **4,920** |
| **BCH0035L^ACY** | **YF09KSE** | **15,360** | **13,870** | **12,490** | **11,190** | **10,000** | **8,900** | **7,900** | **6,960** | **6,090** |
| **BCH0045L^ACY** | **YF10KAE** | **18,980** | **17,020** | **15,240** | **13,600** | **12,100** | **10,730** | **9,480** | **8,330** | **7,260** |
| **BCH0055L^ACY** | **YF13KAE** | **22,910** | **20,600** | **18,480** | **16,520** | **14,730** | **13,090** | **11,590** | **10,190** | **8,900** |
| **BCH0060L^ACY** | **YF15KAE** | **26,630** | **24,010** | **21,550** | **19,310** | **17,240** | **15,340** | **13,610** | **11,990** | **10,490** |

**Notes:**
^ B = 208-230/1/60, C = 208-230/3/60, D = 460/3/60, E = 575/3/60

# A2L PERFORMANCE DATA – R-454C

## Low Temperature Models - Scroll Compressors (Cont.)

Please consult AWEF table on page 48 to confirm DOE compliance per model

| R-454C | | 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 |
| BCH0006L^ACY | YF03KAE | 3,980 | 3,540 | 3,150 | 2,790 | 2,460 | 2,170 | 1,910 | 1,680 | 1,480 |
| BCH0008L^ACY | YF04KAE | 5,200 | 4,650 | 4,150 | 3,690 | 3,270 | 2,880 | 2,550 | 2,240 | 1,970 |
| BCH0010L^ACY | YF05KAE | 6,000 | 5,380 | 4,810 | 4,290 | 3,810 | 3,370 | 2,980 | 2,630 | 2,310 |
| BCH0018L^ACY | YF06KAE | 7,930 | 7,150 | 6,440 | 5,780 | 5,150 | 4,580 | 4,060 | 3,590 | 3,170 |
| BCH0022L^ACY | YF07KAE | 8,630 | 7,810 | 7,030 | 6,320 | 5,660 | 5,040 | 4,490 | 3,980 | 3,520 |
| BCH0025L^ACY | YF06KSE | 11,150 | 10,010 | 8,970 | 8,010 | 7,130 | 6,330 | 5,600 | 4,930 | 4,320 |
| BCH0030L^ACY | YF07KSE | 12,310 | 11,070 | 9,930 | 8,880 | 7,920 | 7,030 | 6,220 | 5,470 | 4,780 |
| BCH0035L^ACY | YF09KSE | 14,840 | 13,400 | 12,080 | 10,820 | 9,680 | 8,620 | 7,650 | 6,750 | 5,910 |
| BCH0045L^ACY | YF10KAE | 18,360 | 16,470 | 14,750 | 13,160 | 11,710 | 10,390 | 9,190 | 8,080 | 7,050 |
| BCH0055L^ACY | YF13KAE | 22,140 | 19,910 | 17,870 | 15,980 | 14,250 | 12,670 | 11,220 | 9,880 | 8,640 |
| BCH0060L^ACY | YF15KAE | 25,700 | 23,180 | 20,810 | 18,660 | 16,670 | 14,850 | 13,170 | 11,620 | 10,180 |

| R-454C | | 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 |
| BCH0006L^ACY | YF03KAE | 3,680 | 3,280 | 2,920 | 2,590 | 2,290 | 2,020 | 1,790 | 1,580 | 1,410 |
| BCH0008L^ACY | YF04KAE | 4,810 | 4,300 | 3,840 | 3,420 | 3,040 | 2,690 | 2,380 | 2,100 | 1,860 |
| BCH0010L^ACY | YF05KAE | 5,530 | 4,970 | 4,450 | 3,970 | 3,540 | 3,140 | 2,780 | 2,460 | 2,180 |
| BCH0018L^ACY | YF06KAE | 7,250 | 6,560 | 5,920 | 5,320 | 4,750 | 4,240 | 3,770 | 3,340 | 2,960 |
| BCH0022L^ACY | YF07KAE | 7,870 | 7,140 | 6,440 | 5,800 | 5,210 | 4,660 | 4,140 | 3,680 | 3,270 |
| BCH0025L^ACY | YF06KSE | 10,370 | 9,310 | 8,350 | 7,460 | 6,650 | 5,910 | 5,240 | 4,620 | 4,050 |
| BCH0030L^ACY | YF07KSE | 11,450 | 10,300 | 9,250 | 8,280 | 7,380 | 6,570 | 5,820 | 5,130 | 4,490 |
| BCH0035L^ACY | YF09KSE | 13,760 | 12,440 | 11,220 | 10,060 | 9,010 | 8,030 | 7,140 | 6,310 | 5,530 |
| BCH0045L^ACY | YF10KAE | 17,080 | 15,330 | 13,730 | 12,260 | 10,930 | 9,710 | 8,600 | 7,570 | 6,630 |
| BCH0055L^ACY | YF13KAE | 20,550 | 18,490 | 16,600 | 14,860 | 13,270 | 11,810 | 10,480 | 9,250 | 8,100 |
| BCH0060L^ACY | YF15KAE | 23,800 | 21,480 | 19,300 | 17,320 | 15,490 | 13,820 | 12,280 | 10,870 | 9,550 |

**Notes:**
^ B = 208-230/1/60, C = 208-230/3/60, D = 460/3/60, E = 575/3/60

# A2L PERFORMANCE DATA – R-455A

## Low Temperature Models - Scroll Compressors

Please consult AWEF table on page 48 to confirm DOE compliance per model

| R-455A | | 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 |
| BCH0006L^ACY | YF03KAE | 4,690 | 4,170 | 3,690 | 3,260 | 2,870 | 2,520 | 2,210 | 1,940 | 1,710 |
| BCH0008L^ACY | YF04KAE | 6,120 | 5,470 | 4,870 | 4,320 | 3,810 | 3,360 | 2,960 | 2,600 | 2,280 |
| BCH0010L^ACY | YF05KAE | 7,060 | 6,330 | 5,650 | 5,020 | 4,450 | 3,930 | 3,470 | 3,050 | 2,680 |
| BCH0018L^ACY | YF06KAE | 9,390 | 8,480 | 7,600 | 6,790 | 6,050 | 5,370 | 4,750 | 4,190 | 3,690 |
| BCH0022L^ACY | YF07KAE | 10,260 | 9,260 | 8,350 | 7,480 | 6,680 | 5,940 | 5,270 | 4,660 | 4,100 |
| BCH0025L^ACY | YF06KSE | 12,900 | 11,580 | 10,370 | 9,260 | 8,250 | 7,320 | 6,470 | 5,690 | 4,960 |
| BCH0030L^ACY | YF07KSE | 14,240 | 12,800 | 11,480 | 10,270 | 9,150 | 8,120 | 7,180 | 6,310 | 5,490 |
| BCH0035L^ACY | YF09KSE | 17,240 | 15,530 | 13,970 | 12,530 | 11,200 | 9,970 | 8,840 | 7,790 | 6,800 |
| BCH0045L^ACY | YF10KAE | 21,240 | 19,050 | 17,060 | 15,230 | 13,550 | 12,020 | 10,620 | 9,330 | 8,120 |
| BCH0055L^ACY | YF13KAE | 25,670 | 23,090 | 20,710 | 18,530 | 16,520 | 14,680 | 12,990 | 11,430 | 9,970 |
| BCH0060L^ACY | YF15KAE | 29,850 | 26,890 | 24,160 | 21,640 | 19,320 | 17,190 | 15,240 | 13,420 | 11,740 |

| R-455A | | 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 |
| **BCH0006L^ACY** | **YF03KAE** | **4,530** | **4,030** | **3,570** | **3,160** | **2,780** | **2,450** | **2,150** | **1,890** | **1,670** |
| **BCH0008L^ACY** | **YF04KAE** | **5,910** | **5,290** | **4,710** | **4,180** | **3,700** | **3,260** | **2,870** | **2,530** | **2,220** |
| **BCH0010L^ACY** | **YF05KAE** | **6,820** | **6,110** | **5,460** | **4,860** | **4,310** | **3,810** | **3,370** | **2,960** | **2,610** |
| **BCH0018L^ACY** | **YF06KAE** | **9,060** | **8,180** | **7,340** | **6,560** | **5,850** | **5,190** | **4,600** | **4,060** | **3,580** |
| **BCH0022L^ACY** | **YF07KAE** | **9,850** | **8,940** | **8,050** | **7,220** | **6,450** | **5,740** | **5,100** | **4,510** | **3,970** |
| **BCH0025L^ACY** | **YF06KSE** | **12,500** | **11,230** | **10,060** | **8,980** | **8,000** | **7,100** | **6,280** | **5,530** | **4,830** |
| **BCH0030L^ACY** | **YF07KSE** | **13,800** | **12,410** | **11,140** | **9,960** | **8,880** | **7,890** | **6,970** | **6,130** | **5,340** |
| **BCH0035L^ACY** | **YF09KSE** | **16,690** | **15,040** | **13,540** | **12,140** | **10,860** | **9,670** | **8,580** | **7,570** | **6,620** |
| **BCH0045L^ACY** | **YF10KAE** | **20,590** | **18,480** | **16,550** | **14,770** | **13,150** | **11,670** | **10,320** | **9,070** | **7,910** |
| **BCH0055L^ACY** | **YF13KAE** | **24,870** | **22,370** | **20,080** | **17,960** | **16,030** | **14,250** | **12,620** | **11,110** | **9,700** |
| **BCH0060L^ACY** | **YF15KAE** | **28,880** | **26,020** | **23,390** | **20,960** | **18,730** | **16,670** | **14,790** | **13,040** | **11,410** |

**Notes:**
^ B = 208-230/1/60, C = 208-230/3/60, D = 460/3/60, E = 575/3/60

# A2L PERFORMANCE DATA – R-455A

## Low Temperature Models - Scroll Compressors (Cont.)

Please consult AWEF table on page 48 to confirm DOE compliance per model

| R-455A | | 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 |
| BCH0006L^ACY | YF03KAE | 4,370 | 3,890 | 3,450 | 3,050 | 2,690 | 2,370 | 2,090 | 1,840 | 1,630 |
| BCH0008L^ACY | YF04KAE | 5,710 | 5,100 | 4,550 | 4,040 | 3,570 | 3,160 | 2,790 | 2,450 | 2,170 |
| BCH0010L^ACY | YF05KAE | 6,570 | 5,890 | 5,270 | 4,690 | 4,170 | 3,690 | 3,260 | 2,880 | 2,530 |
| BCH0018L^ACY | YF06KAE | 8,710 | 7,870 | 7,060 | 6,320 | 5,640 | 5,020 | 4,450 | 3,930 | 3,470 |
| BCH0022L^ACY | YF07KAE | 9,460 | 8,590 | 7,750 | 6,950 | 6,220 | 5,540 | 4,920 | 4,360 | 3,850 |
| BCH0025L^ACY | YF06KSE | 12,090 | 10,860 | 9,740 | 8,700 | 7,750 | 6,880 | 6,090 | 5,370 | 4,690 |
| BCH0030L^ACY | YF07KSE | 13,350 | 12,010 | 10,780 | 9,650 | 8,600 | 7,640 | 6,770 | 5,950 | 5,190 |
| BCH0035L^ACY | YF09KSE | 16,130 | 14,540 | 13,090 | 11,750 | 10,510 | 9,370 | 8,320 | 7,340 | 6,430 |
| BCH0045L^ACY | YF10KAE | 19,930 | 17,890 | 16,020 | 14,310 | 12,740 | 11,310 | 10,010 | 8,800 | 7,690 |
| BCH0055L^ACY | YF13KAE | 24,050 | 21,640 | 19,430 | 17,390 | 15,520 | 13,800 | 12,230 | 10,780 | 9,430 |
| BCH0060L^ACY | YF15KAE | 27,890 | 25,140 | 22,610 | 20,270 | 18,110 | 16,140 | 14,320 | 12,640 | 11,080 |

| R-455A | | 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 |
| BCH0006L^ACY | YF03KAE | 4,050 | 3,610 | 3,210 | 2,840 | 2,510 | 2,210 | 1,960 | 1,730 | 1,540 |
| BCH0008L^ACY | YF04KAE | 5,280 | 4,730 | 4,220 | 3,750 | 3,330 | 2,940 | 2,610 | 2,310 | 2,050 |
| BCH0010L^ACY | YF05KAE | 6,070 | 5,450 | 4,880 | 4,360 | 3,880 | 3,440 | 3,050 | 2,700 | 2,390 |
| BCH0018L^ACY | YF06KAE | 7,990 | 7,240 | 6,510 | 5,840 | 5,220 | 4,650 | 4,130 | 3,670 | 3,250 |
| BCH0022L^ACY | YF07KAE | 8,660 | 7,860 | 7,120 | 6,400 | 5,730 | 5,120 | 4,560 | 4,050 | 3,580 |
| BCH0025L^ACY | YF06KSE | 11,260 | 10,110 | 9,070 | 8,110 | 7,230 | 6,430 | 5,700 | 5,030 | 4,410 |
| BCH0030L^ACY | YF07KSE | 12,430 | 11,190 | 10,050 | 9,000 | 8,030 | 7,150 | 6,330 | 5,580 | 4,880 |
| BCH0035L^ACY | YF09KSE | 14,960 | 13,500 | 12,170 | 10,930 | 9,790 | 8,740 | 7,770 | 6,870 | 6,030 |
| BCH0045L^ACY | YF10KAE | 18,570 | 16,670 | 14,940 | 13,350 | 11,900 | 10,580 | 9,370 | 8,260 | 7,230 |
| BCH0055L^ACY | YF13KAE | 22,350 | 20,120 | 18,080 | 16,190 | 14,470 | 12,880 | 11,440 | 10,100 | 8,850 |
| BCH0060L^ACY | YF15KAE | 25,850 | 23,320 | 20,990 | 18,830 | 16,850 | 15,040 | 13,380 | 11,830 | 10,390 |

**Notes:**
^ B = 208-230/1/60, C = 208-230/3/60, D = 460/3/60, E = 575/3/60

# A1 PERFORMANCE DATA – R-404A/R-507A

## Low Temperature Models - Scroll Compressors

Please consult AWEF table on page 49 to confirm DOE compliance per model

| R-404A/R-507A | | Capacity BTUH @ 90°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| A1 Model | A2L Model | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| BC*0006L^ACZ | BCH0006L^ACY | 5,190 | 4,620 | 4,100 | 3,650 | 3,240 | 2,890 | 2,580 | 2,300 | 2,060 |
| BC*0008L^BCZ | BCH0008L^ACY | 6,970 | 6,210 | 5,520 | 4,880 | 4,300 | 3,790 | 3,350 | 2,970 | 2,660 |
| BC*0010L^BCZ | BCH0010L^ACY | 8,170 | 7,360 | 6,590 | 5,870 | 5,220 | 4,610 | 4,070 | 3,590 | 3,160 |
| BC*0018L^BCZ | BCH0018L^ACY | 10,610 | 9,610 | 8,670 | 7,790 | 6,970 | 6,210 | 5,500 | 4,850 | 4,250 |
| BC*0022L^BCZ | BCH0022L^ACY | 11,870 | 10,790 | 9,750 | 8,790 | 7,900 | 7,060 | 6,260 | 5,470 | 4,690 |
| BC*0025L^ACZ | BCH0025L^ACY | 15,170 | 13,750 | 12,420 | 11,190 | 10,040 | 8,980 | 7,990 | 7,070 | 6,220 |
| BC*0030L^BCZ | BCH0030L^ACY | 16,690 | 15,160 | 13,720 | 12,330 | 10,980 | 9,650 | 8,330 | 6,960 | 5,540 |
| BC*0035L^BCZ | BCH0035L^ACY | 20,250 | 18,440 | 16,740 | 15,110 | 13,540 | 12,000 | 10,480 | 8,950 | 7,360 |
| BC*0045L^BCZ | BCH0045L^ACY | 24,710 | 22,340 | 20,120 | 18,040 | 16,100 | 14,300 | 12,630 | 11,080 | 9,650 |
| BC*0055L^BCZ | BCH0055L^ACY | 29,700 | 26,930 | 24,310 | 21,790 | 19,360 | 16,950 | 14,550 | 12,090 | 9,530 |
| BC*0060L^ACZ | BCH0060L^ACY | 34,840 | 31,690 | 28,730 | 25,950 | 23,350 | 20,920 | 18,640 | 16,480 | 14,450 |

| R-404A/R-507A | | Capacity BTUH @ 95°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| A1 Model | A2L Model | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| BC*0006L^ACZ | BCH0006L^ACY | 4,970 | 4,420 | 3,930 | 3,500 | 3,110 | 2,780 | 2,480 | 2,230 | 2,000 |
| BC*0008L^BCZ | BCH0008L^ACY | 6,680 | 5,950 | 5,280 | 4,670 | 4,120 | 3,630 | 3,210 | 2,850 | 2,560 |
| BC*0010L^BCZ | BCH0010L^ACY | 7,830 | 7,050 | 6,310 | 5,630 | 5,000 | 4,420 | 3,900 | 3,440 | 3,030 |
| BC*0018L^BCZ | BCH0018L^ACY | 10,130 | 9,180 | 8,290 | 7,450 | 6,670 | 5,950 | 5,280 | 4,650 | 4,080 |
| BC*0022L^BCZ | BCH0022L^ACY | 11,330 | 10,300 | 9,310 | 8,400 | 7,550 | 6,750 | 5,990 | 5,240 | 4,490 |
| BC*0025L^ACZ | BCH0025L^ACY | 14,590 | 13,230 | 11,970 | 10,780 | 9,690 | 8,660 | 7,710 | 6,820 | 6,000 |
| BC*0030L^BCZ | BCH0030L^ACY | 16,030 | 14,570 | 13,200 | 11,890 | 10,620 | 9,370 | 8,130 | 6,860 | 5,540 |
| BC*0035L^BCZ | BCH0035L^ACY | 19,420 | 17,710 | 16,090 | 14,550 | 13,070 | 11,630 | 10,210 | 8,790 | 7,320 |
| BC*0045L^BCZ | BCH0045L^ACY | 23,730 | 21,450 | 19,320 | 17,320 | 15,470 | 13,750 | 12,160 | 10,690 | 9,330 |
| BC*0055L^BCZ | BCH0055L^ACY | 28,500 | 25,860 | 23,370 | 21,000 | 18,690 | 16,420 | 14,170 | 11,870 | 9,490 |
| BC*0060L^ACZ | BCH0060L^ACY | 33,470 | 30,460 | 27,650 | 25,000 | 22,520 | 20,190 | 18,010 | 15,940 | 13,990 |

**Notes:**
* H = Outdoor, N = Indoor models only available as model Rev A
^ B = 208-230/1/60, C = 208-230/3/60, D = 460/3/60, E = 575/3/60

# A1 PERFORMANCE DATA – R-404A/R-507A

## Low Temperature Models - Scroll Compressors (Cont.)

Please consult AWEF table on page 49 to confirm DOE compliance per model

| R-404A/R-507A | | Capacity BTUH @ 100°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| A1 Model | A2L Model | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| BC*0006L^ACZ | BCH0006L^ACY | 4,750 | 4,230 | 3,760 | 3,350 | 2,990 | 2,670 | 2,390 | 2,150 | 1,930 |
| BC*0008L^BCZ | BCH0008L^ACY | 6,380 | 5,680 | 5,040 | 4,460 | 3,930 | 3,470 | 3,070 | 2,730 | 2,460 |
| BC*0010L^BCZ | BCH0010L^ACY | 7,490 | 6,740 | 6,030 | 5,380 | 4,780 | 4,220 | 3,730 | 3,290 | 2,900 |
| BC*0018L^BCZ | BCH0018L^ACY | 9,660 | 8,750 | 7,910 | 7,120 | 6,370 | 5,690 | 5,050 | 4,460 | 3,920 |
| BC*0022L^BCZ | BCH0022L^ACY | 10,780 | 9,810 | 8,860 | 8,000 | 7,200 | 6,440 | 5,710 | 5,000 | 4,290 |
| BC*0025L^ACZ | BCH0025L^ACY | 14,000 | 12,700 | 11,490 | 10,360 | 9,310 | 8,330 | 7,420 | 6,560 | 5,760 |
| BC*0030L^BCZ | BCH0030L^ACY | 15,360 | 13,980 | 12,680 | 11,430 | 10,240 | 9,070 | 7,910 | 6,730 | 5,510 |
| BC*0035L^BCZ | BCH0035L^ACY | 18,580 | 16,950 | 15,420 | 13,960 | 12,570 | 11,220 | 9,910 | 8,580 | 7,230 |
| BC*0045L^BCZ | BCH0045L^ACY | 22,720 | 20,540 | 18,500 | 16,590 | 14,820 | 13,190 | 11,680 | 10,300 | 9,020 |
| BC*0055L^BCZ | BCH0055L^ACY | 27,270 | 24,760 | 22,390 | 20,160 | 17,980 | 15,850 | 13,740 | 11,600 | 9,380 |
| BC*0060L^ACZ | BCH0060L^ACY | 32,080 | 29,220 | 26,550 | 24,030 | 21,670 | 19,450 | 17,370 | 15,400 | 13,520 |

| R-404A/R-507A | | Capacity BTUH @ 110°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| A1 Model | A2L Model | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| BC*0006L^ACZ | BCH0006L^ACY | 4,310 | 3,840 | 3,420 | 3,050 | 2,730 | 2,450 | 2,200 | 1,990 | 1,800 |
| BC*0008L^BCZ | BCH0008L^ACY | 5,790 | 5,150 | 4,570 | 4,040 | 3,560 | 3,140 | 2,780 | 2,490 | 2,250 |
| BC*0010L^BCZ | BCH0010L^ACY | 6,780 | 6,100 | 5,470 | 4,880 | 4,330 | 3,820 | 3,370 | 2,980 | 2,630 |
| BC*0018L^BCZ | BCH0018L^ACY | 8,690 | 7,890 | 7,140 | 6,440 | 5,780 | 5,170 | 4,600 | 4,070 | 3,590 |
| BC*0022L^BCZ | BCH0022L^ACY | 9,660 | 8,760 | 7,950 | 7,190 | 6,480 | 5,800 | 5,150 | 4,520 | 3,870 |
| BC*0025L^ACZ | BCH0025L^ACY | 12,750 | 11,590 | 10,500 | 9,470 | 8,520 | 7,620 | 6,790 | 6,010 | 5,270 |
| BC*0030L^BCZ | BCH0030L^ACY | 14,010 | 12,760 | 11,600 | 10,490 | 9,440 | 8,420 | 7,420 | 6,400 | 5,360 |
| BC*0035L^BCZ | BCH0035L^ACY | 16,840 | 15,370 | 14,000 | 12,710 | 11,490 | 10,320 | 9,190 | 8,060 | 6,920 |
| BC*0045L^BCZ | BCH0045L^ACY | 20,640 | 18,660 | 16,820 | 15,100 | 13,520 | 12,060 | 10,730 | 9,520 | 8,420 |
| BC*0055L^BCZ | BCH0055L^ACY | 24,740 | 22,470 | 20,380 | 18,370 | 16,440 | 14,580 | 12,740 | 10,880 | 8,970 |
| BC*0060L^ACZ | BCH0060L^ACY | 29,240 | 26,680 | 24,290 | 22,040 | 19,920 | 17,920 | 16,050 | 14,270 | 12,570 |

**Notes:**
* H = Outdoor, N = Indoor models only available as model Rev A
^ B = 208-230/1/60, C = 208-230/3/60, D = 460/3/60, E = 575/3/60

# A1 PERFORMANCE DATA – R-448A/R-449A

## Low Temperature Models - Scroll Compressors

Please consult AWEF table on page 49 to confirm DOE compliance per model

| R-448A/R-449A | | Capacity BTUH @ 90°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| A1 Model | A2L Model | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| BC*0006L^ACZ | BCH0006L^ACY | 4,620 | 4,120 | 3,680 | 3,280 | 2,930 | 2,610 | 2,330 | 2,070 | 1,830 |
| BC*0008L^BCZ | BCH0008L^ACY | 6,240 | 5,560 | 4,930 | 4,340 | 3,810 | 3,340 | 2,930 | 2,570 | 2,280 |
| BC*0010L^BCZ | BCH0010L^ACY | 7,250 | 6,480 | 5,770 | 5,110 | 4,490 | 3,940 | 3,440 | 3,000 | 2,620 |
| BC*0018L^BCZ | BCH0018L^ACY | 9,330 | 8,390 | 7,540 | 6,730 | 5,980 | 5,290 | 4,670 | 4,090 | 3,560 |
| BC*0022L^BCZ | BCH0022L^ACY | 10,270 | 9,260 | 8,330 | 7,500 | 6,740 | 6,030 | 5,350 | 4,710 | 4,070 |
| BC*0025L^ACZ | BCH0025L^ACY | 13,370 | 11,990 | 10,740 | 9,590 | 8,530 | 7,560 | 6,680 | 5,870 | 5,130 |
| BC*0030L^BCZ | BCH0030L^ACY | 14,660 | 13,180 | 11,820 | 10,550 | 9,370 | 8,270 | 7,240 | 6,260 | 5,320 |
| BC*0035L^BCZ | BCH0035L^ACY | 17,820 | 16,080 | 14,460 | 12,960 | 11,550 | 10,270 | 9,090 | 8,010 | 7,010 |
| BC*0045L^BCZ | BCH0045L^ACY | 22,270 | 19,950 | 17,790 | 15,790 | 13,940 | 12,260 | 10,730 | 9,350 | 8,110 |
| BC*0055L^BCZ | BCH0055L^ACY | 26,700 | 23,950 | 21,440 | 19,110 | 16,980 | 15,030 | 13,270 | 11,670 | 10,250 |
| BC*0060L^ACZ | BCH0060L^ACY | 31,050 | 28,020 | 25,200 | 22,560 | 20,110 | 17,860 | 15,790 | 13,890 | 12,140 |

| R-448A/R-449A | | Capacity BTUH @ 95°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| A1 Model | A2L Model | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| **BC*0006L^ACZ** | **BCH0006L^ACY** | **4,460** | **3,980** | **3,560** | **3,180** | **2,840** | **2,540** | **2,260** | **2,010** | **1,780** |
| **BC*0008L^BCZ** | **BCH0008L^ACY** | **6,030** | **5,370** | **4,760** | **4,200** | **3,690** | **3,240** | **2,840** | **2,500** | **2,220** |
| **BC*0010L^BCZ** | **BCH0010L^ACY** | **7,000** | **6,260** | **5,580** | **4,940** | **4,350** | **3,810** | **3,330** | **2,910** | **2,550** |
| **BC*0018L^BCZ** | **BCH0018L^ACY** | **9,000** | **8,110** | **7,290** | **6,520** | **5,810** | **5,140** | **4,530** | **3,980** | **3,470** |
| **BC*0022L^BCZ** | **BCH0022L^ACY** | **9,880** | **8,920** | **8,040** | **7,240** | **6,510** | **5,830** | **5,190** | **4,570** | **3,950** |
| **BC*0025L^ACZ** | **BCH0025L^ACY** | **12,990** | **11,660** | **10,440** | **9,320** | **8,290** | **7,350** | **6,500** | **5,710** | **4,980** |
| **BC*0030L^BCZ** | **BCH0030L^ACY** | **14,250** | **12,810** | **11,500** | **10,270** | **9,120** | **8,060** | **7,060** | **6,110** | **5,210** |
| **BC*0035L^BCZ** | **BCH0035L^ACY** | **17,290** | **15,610** | **14,040** | **12,580** | **11,240** | **9,990** | **8,850** | **7,800** | **6,840** |
| **BC*0045L^BCZ** | **BCH0045L^ACY** | **21,470** | **19,220** | **17,140** | **15,210** | **13,440** | **11,840** | **10,390** | **9,100** | **7,950** |
| **BC*0055L^BCZ** | **BCH0055L^ACY** | **25,730** | **23,090** | **20,680** | **18,450** | **16,400** | **14,540** | **12,870** | **11,360** | **10,010** |
| **BC*0060L^ACZ** | **BCH0060L^ACY** | **29,930** | **27,030** | **24,330** | **21,800** | **19,470** | **17,320** | **15,360** | **13,560** | **11,920** |

**Notes:**
* H = Outdoor, N = Indoor models only available as model Rev A
^ B = 208-230/1/60, C = 208-230/3/60, D = 460/3/60, E = 575/3/60

# A1 PERFORMANCE DATA – R-448A/R-449A

## Low Temperature Models - Scroll Compressors (Cont.)

Please consult AWEF table on page 49 to confirm DOE compliance per model

| R-448A/R-449A | | Capacity BTUH @ 100°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| A1 Model | A2L Model | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| BC*0006L^ACZ | BCH0006L^ACY | 4,310 | 3,850 | 3,450 | 3,080 | 2,760 | 2,460 | 2,200 | 1,950 | 1,720 |
| BC*0008L^BCZ | BCH0008L^ACY | 5,820 | 5,180 | 4,600 | 4,060 | 3,570 | 3,130 | 2,750 | 2,430 | 2,160 |
| BC*0010L^BCZ | BCH0010L^ACY | 6,750 | 6,040 | 5,380 | 4,760 | 4,200 | 3,680 | 3,220 | 2,820 | 2,470 |
| BC*0018L^BCZ | BCH0018L^ACY | 8,680 | 7,820 | 7,040 | 6,310 | 5,620 | 4,990 | 4,440 | 3,870 | 3,370 |
| BC*0022L^BCZ | BCH0022L^ACY | 9,500 | 8,580 | 7,740 | 6,980 | 6,290 | 5,630 | 5,020 | 4,430 | 3,830 |
| BC*0025L^ACZ | BCH0025L^ACY | 12,600 | 11,320 | 10,140 | 9,050 | 8,050 | 7,140 | 6,310 | 5,540 | 4,830 |
| BC*0030L^BCZ | BCH0030L^ACY | 13,830 | 12,440 | 11,170 | 9,980 | 8,870 | 7,840 | 6,880 | 5,970 | 5,090 |
| BC*0035L^BCZ | BCH0035L^ACY | 16,740 | 15,120 | 13,610 | 12,200 | 10,900 | 9,700 | 8,610 | 7,590 | 6,660 |
| BC*0045L^BCZ | BCH0045L^ACY | 20,640 | 18,470 | 16,470 | 14,630 | 12,940 | 11,420 | 10,060 | 8,860 | 7,810 |
| BC*0055L^BCZ | BCH0055L^ACY | 24,730 | 22,200 | 19,890 | 17,760 | 15,810 | 14,040 | 12,460 | 11,030 | 9,760 |
| BC*0060L^ACZ | BCH0060L^ACY | 28,790 | 26,020 | 23,440 | 21,040 | 18,820 | 16,790 | 14,940 | 13,240 | 11,710 |

| R-448A/R-449A | | Capacity BTUH @ 110°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| A1 Model | A2L Model | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| BC*0006L^ACZ | BCH0006L^ACY | 4,010 | 3,600 | 3,230 | 2,890 | 2,590 | 2,320 | 2,070 | 1,830 | 1,610 |
| BC*0008L^BCZ | BCH0008L^ACY | 5,380 | 4,800 | 4,270 | 3,770 | 3,320 | 2,920 | 2,580 | 2,280 | 2,040 |
| BC*0010L^BCZ | BCH0010L^ACY | 6,240 | 5,590 | 4,980 | 4,410 | 3,890 | 3,420 | 3,000 | 2,630 | 2,310 |
| BC*0018L^BCZ | BCH0018L^ACY | 8,010 | 7,240 | 6,540 | 5,870 | 5,240 | 4,660 | 4,130 | 3,630 | 3,180 |
| BC*0022L^BCZ | BCH0022L^ACY | 8,710 | 7,890 | 7,130 | 6,450 | 5,820 | 5,230 | 4,680 | 4,130 | 3,590 |
| BC*0025L^ACZ | BCH0025L^ACY | 11,800 | 10,600 | 9,500 | 8,480 | 7,550 | 6,690 | 5,910 | 5,190 | 4,520 |
| BC*0030L^BCZ | BCH0030L^ACY | 12,980 | 11,700 | 10,500 | 9,400 | 8,370 | 7,420 | 6,530 | 5,690 | 4,880 |
| BC*0035L^BCZ | BCH0035L^ACY | 15,600 | 14,100 | 12,700 | 11,400 | 10,190 | 9,090 | 8,070 | 7,140 | 6,280 |
| BC*0045L^BCZ | BCH0045L^ACY | 18,930 | 16,940 | 15,120 | 13,450 | 11,950 | 10,610 | 9,440 | 8,430 | 7,590 |
| BC*0055L^BCZ | BCH0055L^ACY | 22,650 | 20,340 | 18,260 | 16,330 | 14,590 | 13,020 | 11,610 | 10,360 | 9,270 |
| BC*0060L^ACZ | BCH0060L^ACY | 26,440 | 23,950 | 21,630 | 19,480 | 17,510 | 15,710 | 14,080 | 12,620 | 11,300 |

**Notes:**
* H = Outdoor, N = Indoor models only available as model Rev A
^ B = 208-230/1/60, C = 208-230/3/60, D = 460/3/60, E = 575/3/60

# A1 PERFORMANCE DATA – R-407A/R-407F

## Low Temperature Models - Scroll Compressors

Please consult AWEF table on page 49 to confirm DOE compliance per model

| R-407A/R-407F | | Capacity BTUH @ 90°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| A1 Model | A2L Model | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| BC*0006L^ACZ | BCH0006L^ACY | 4,670 | 4,170 | 3,720 | 3,310 | 2,950 | 2,630 | 2,340 | 2,090 | 1,860 |
| BC*0008L^BCZ | BCH0008L^ACY | 6,350 | 5,640 | 4,980 | 4,380 | 3,840 | 3,360 | 2,940 | 2,590 | 2,310 |
| BC*0010L^BCZ | BCH0010L^ACY | 7,360 | 6,560 | 5,810 | 5,120 | 4,480 | 3,910 | 3,410 | 2,980 | 2,610 |
| BC*0018L^BCZ | BCH0018L^ACY | 9,580 | 8,620 | 7,740 | 6,920 | 6,150 | 5,440 | 4,770 | 4,150 | 3,580 |
| BC*0022L^BCZ | BCH0022L^ACY | 10,530 | 9,550 | 8,620 | 7,780 | 6,970 | 6,210 | 5,490 | 4,780 | 4,080 |
| BC*0025L^ACZ | BCH0025L^ACY | 13,690 | 12,330 | 11,050 | 9,840 | 8,710 | 7,650 | 6,680 | 5,800 | 4,990 |
| BC*0030L^BCZ | BCH0030L^ACY | 14,900 | 13,580 | 12,260 | 10,930 | 9,640 | 8,440 | 7,360 | 6,440 | 5,730 |
| BC*0035L^BCZ | BCH0035L^ACY | 18,010 | 16,490 | 14,920 | 13,320 | 11,770 | 10,300 | 8,980 | 7,860 | 6,990 |
| BC*0045L^BCZ | BCH0045L^ACY | 22,420 | 20,090 | 17,870 | 15,780 | 13,840 | 12,090 | 10,560 | 9,260 | 8,250 |
| BC*0055L^BCZ | BCH0055L^ACY | 27,000 | 24,170 | 21,540 | 19,080 | 16,830 | 14,810 | 13,060 | 11,590 | 10,430 |
| BC*0060L^ACZ | BCH0060L^ACY | 31,670 | 28,520 | 25,520 | 22,650 | 20,010 | 17,620 | 15,530 | 13,750 | 12,330 |

| R-407A/R-407F | | Capacity BTUH @ 95°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| A1 Model | A2L Model | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| **BC*0006L^ACZ** | **BCH0006L^ACY** | **4,490** | **4,020** | **3,590** | **3,200** | **2,860** | **2,550** | **2,270** | **2,020** | **1,790** |
| **BC*0008L^BCZ** | **BCH0008L^ACY** | **6,110** | **5,430** | **4,800** | **4,220** | **3,700** | **3,240** | **2,840** | **2,510** | **2,240** |
| **BC*0010L^BCZ** | **BCH0010L^ACY** | **7,080** | **6,310** | **5,590** | **4,920** | **4,320** | **3,770** | **3,290** | **2,880** | **2,530** |
| **BC*0018L^BCZ** | **BCH0018L^ACY** | **9,210** | **8,300** | **7,460** | **6,680** | **5,940** | **5,250** | **4,620** | **4,020** | **3,470** |
| **BC*0022L^BCZ** | **BCH0022L^ACY** | **10,070** | **9,140** | **8,260** | **7,460** | **6,690** | **5,970** | **5,280** | **4,600** | **3,930** |
| **BC*0025L^ACZ** | **BCH0025L^ACY** | **13,230** | **11,930** | **10,690** | **9,530** | **8,430** | **7,410** | **6,480** | **5,620** | **4,840** |
| **BC*0030L^BCZ** | **BCH0030L^ACY** | **14,410** | **13,160** | **11,880** | **10,600** | **9,350** | **8,180** | **7,130** | **6,230** | **5,520** |
| **BC*0035L^BCZ** | **BCH0035L^ACY** | **17,380** | **15,930** | **14,420** | **12,900** | **11,400** | **9,980** | **8,700** | **7,610** | **6,760** |
| **BC*0045L^BCZ** | **BCH0045L^ACY** | **21,720** | **19,430** | **17,260** | **15,220** | **13,340** | **11,650** | **10,190** | **8,970** | **8,030** |
| **BC*0055L^BCZ** | **BCH0055L^ACY** | **26,130** | **23,370** | **20,810** | **18,420** | **16,230** | **14,280** | **12,600** | **11,190** | **10,090** |
| **BC*0060L^ACZ** | **BCH0060L^ACY** | **30,680** | **27,610** | **24,690** | **21,930** | **19,350** | **17,040** | **15,020** | **13,310** | **11,960** |

**Notes:**
* H = Outdoor, N = Indoor models only available as model Rev A
^ B = 208-230/1/60, C = 208-230/3/60, D = 460/3/60, E = 575/3/60

# A1 PERFORMANCE DATA – R-407A/R-407F

## Low Temperature Models - Scroll Compressors (Cont.)

Please consult AWEF table on page 49 to confirm DOE compliance per model

| R-407A/R-407F | | Capacity BTUH @ 100°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| A1 Model | A2L Model | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| BC*0006L^ACZ | BCH0006L^ACY | 4,320 | 3,870 | 3,460 | 3,090 | 2,760 | 2,460 | 2,200 | 1,950 | 1,730 |
| BC*0008L^BCZ | BCH0008L^ACY | 5,860 | 5,210 | 4,610 | 4,050 | 3,560 | 3,120 | 2,740 | 2,420 | 2,170 |
| BC*0010L^BCZ | BCH0010L^ACY | 6,790 | 6,050 | 5,360 | 4,720 | 4,140 | 3,620 | 3,170 | 2,770 | 2,450 |
| BC*0018L^BCZ | BCH0018L^ACY | 8,830 | 7,970 | 7,170 | 6,420 | 5,720 | 5,070 | 4,460 | 3,890 | 3,360 |
| BC*0022L^BCZ | BCH0022L^ACY | 9,590 | 8,720 | 7,880 | 7,120 | 6,400 | 5,710 | 5,050 | 4,410 | 3,760 |
| BC*0025L^ACZ | BCH0025L^ACY | 12,750 | 11,500 | 10,320 | 9,200 | 8,140 | 7,160 | 6,260 | 5,420 | 4,670 |
| BC*0030L^BCZ | BCH0030L^ACY | 13,910 | 12,730 | 11,510 | 10,280 | 9,070 | 7,940 | 6,910 | 6,030 | 5,330 |
| BC*0035L^BCZ | BCH0035L^ACY | 16,730 | 15,350 | 13,920 | 12,460 | 11,020 | 9,660 | 8,420 | 7,350 | 6,520 |
| BC*0045L^BCZ | BCH0045L^ACY | 20,990 | 18,750 | 16,640 | 14,650 | 12,830 | 11,210 | 9,820 | 8,670 | 7,800 |
| BC*0055L^BCZ | BCH0055L^ACY | 25,240 | 22,580 | 20,060 | 17,740 | 15,620 | 13,730 | 12,110 | 10,760 | 9,720 |
| BC*0060L^ACZ | BCH0060L^ACY | 29,660 | 26,680 | 23,840 | 21,160 | 18,690 | 16,430 | 14,500 | 12,850 | 11,560 |

| R-407A/R-407F | | Capacity BTUH @ 110°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| A1 Model | A2L Model | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| BC*0006L^ACZ | BCH0006L^ACY | 3,990 | 3,580 | 3,220 | 2,880 | 2,580 | 2,310 | 2,060 | 1,830 | 1,620 |
| BC*0008L^BCZ | BCH0008L^ACY | 5,360 | 4,760 | 4,210 | 3,710 | 3,260 | 2,870 | 2,530 | 2,250 | 2,030 |
| BC*0010L^BCZ | BCH0010L^ACY | 6,200 | 5,530 | 4,900 | 4,320 | 3,790 | 3,320 | 2,910 | 2,570 | 2,280 |
| BC*0018L^BCZ | BCH0018L^ACY | 8,050 | 7,280 | 6,570 | 5,900 | 5,270 | 4,670 | 4,120 | 3,610 | 3,120 |
| BC*0022L^BCZ | BCH0022L^ACY | 8,590 | 7,820 | 7,080 | 6,410 | 5,770 | 5,150 | 4,560 | 3,970 | 3,390 |
| BC*0025L^ACZ | BCH0025L^ACY | 11,740 | 10,600 | 9,530 | 8,500 | 7,530 | 6,620 | 5,790 | 5,010 | 4,310 |
| BC*0030L^BCZ | BCH0030L^ACY | 12,920 | 11,850 | 10,740 | 9,610 | 8,500 | 7,440 | 6,470 | 5,630 | 4,950 |
| BC*0035L^BCZ | BCH0035L^ACY | 15,400 | 14,170 | 12,880 | 11,570 | 10,260 | 9,000 | 7,860 | 6,860 | 6,060 |
| BC*0045L^BCZ | BCH0045L^ACY | 19,450 | 17,320 | 15,320 | 13,460 | 11,770 | 10,280 | 9,020 | 8,020 | 7,290 |
| BC*0055L^BCZ | BCH0055L^ACY | 23,340 | 20,830 | 18,480 | 16,300 | 14,310 | 12,560 | 11,040 | 9,810 | 8,870 |
| BC*0060L^ACZ | BCH0060L^ACY | 27,550 | 24,750 | 22,080 | 19,570 | 17,250 | 15,170 | 13,350 | 11,840 | 10,660 |

**Notes:**
* H = Outdoor, N = Indoor models only available as model Rev A
^ B = 208-230/1/60, C = 208-230/3/60, D = 460/3/60, E = 575/3/60

# A1 PERFORMANCE DATA – R-407C

## Low Temperature Models - Scroll Compressors

Please consult AWEF table on page 49 to confirm DOE compliance per model

| R-407C | | Capacity BTUH @ 90°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| A1 Model | A2L Model | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| BC*0006L^ACZ | BCH0006L^ACY | 4,130 | 3,670 | 3,260 | 2,900 | 2,580 | 2,310 | 2,070 | 1,860 | 1,670 |
| BC*0008L^BCZ | BCH0008L^ACY | 5,600 | 4,950 | 4,360 | 3,820 | 3,340 | 2,920 | 2,560 | 2,260 | 2,020 |
| BC*0010L^BCZ | BCH0010L^ACY | 6,550 | 5,810 | 5,130 | 4,500 | 3,930 | 3,430 | 2,990 | 2,610 | 2,300 |
| BC*0018L^BCZ | BCH0018L^ACY | 8,480 | 7,610 | 6,790 | 6,030 | 5,340 | 4,710 | 4,130 | 3,620 | 3,150 |
| BC*0022L^BCZ | BCH0022L^ACY | 9,420 | 8,420 | 7,560 | 6,790 | 6,090 | 5,440 | 4,820 | 4,180 | 3,500 |
| BC*0025L^ACZ | BCH0025L^ACY | — | — | — | — | — | — | — | — | — |
| BC*0030L^BCZ | BCH0030L^ACY | 13,120 | 11,920 | 10,710 | 9,520 | 8,380 | 7,330 | 6,410 | 5,630 | 5,040 |
| BC*0035L^BCZ | BCH0035L^ACY | 16,020 | 14,600 | 13,140 | 11,660 | 10,260 | 8,960 | 7,810 | 6,870 | 6,200 |
| BC*0045L^BCZ | BCH0045L^ACY | 19,420 | 17,330 | 15,370 | 13,520 | 11,830 | 10,330 | 9,030 | 7,940 | 7,120 |
| BC*0055L^BCZ | BCH0055L^ACY | 23,430 | 20,950 | 18,610 | 16,440 | 14,450 | 12,690 | 11,170 | 9,930 | 9,000 |
| BC*0060L^ACZ | BCH0060L^ACY | 27,620 | 24,750 | 22,070 | 19,540 | 17,230 | 15,160 | 13,370 | 11,880 | 10,740 |

| R-407C | | Capacity BTUH @ 95°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| A1 Model | A2L Model | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| **BC*0006L^ACZ** | **BCH0006L^ACY** | **4,000** | **3,560** | **3,160** | **2,820** | **2,510** | **2,250** | **2,010** | **1,810** | **1,630** |
| **BC*0008L^BCZ** | **BCH0008L^ACY** | **5,420** | **4,790** | **4,220** | **3,700** | **3,240** | **2,830** | **2,490** | **2,200** | **1,980** |
| **BC*0010L^BCZ** | **BCH0010L^ACY** | **6,340** | **5,620** | **4,960** | **4,360** | **3,810** | **3,320** | **2,900** | **2,540** | **2,240** |
| **BC*0018L^BCZ** | **BCH0018L^ACY** | **8,210** | **7,370** | **6,580** | **5,850** | **5,190** | **4,580** | **4,020** | **3,520** | **3,060** |
| **BC*0022L^BCZ** | **BCH0022L^ACY** | **9,090** | **8,130** | **7,310** | **6,570** | **5,900** | **5,280** | **4,680** | **4,060** | **3,400** |
| **BC*0025L^ACZ** | **BCH0025L^ACY** | **—** | **—** | **—** | **—** | **—** | **—** | **—** | **—** | **—** |
| **BC*0030L^BCZ** | **BCH0030L^ACY** | **12,740** | **11,580** | **10,420** | **9,270** | **8,160** | **7,140** | **6,230** | **5,470** | **4,880** |
| **BC*0035L^BCZ** | **BCH0035L^ACY** | **15,520** | **14,160** | **12,760** | **11,340** | **9,980** | **8,710** | **7,600** | **6,680** | **6,010** |
| **BC*0045L^BCZ** | **BCH0045L^ACY** | **18,870** | **16,820** | **14,890** | **13,090** | **11,440** | **9,980** | **8,730** | **7,710** | **6,940** |
| **BC*0055L^BCZ** | **BCH0055L^ACY** | **22,790** | **20,350** | **18,070** | **15,940** | **14,010** | **12,290** | **10,830** | **9,640** | **8,750** |
| **BC*0060L^ACZ** | **BCH0060L^ACY** | **26,880** | **24,070** | **21,440** | **18,980** | **16,730** | **14,720** | **12,980** | **11,550** | **10,470** |

**Notes:**
* H = Outdoor, N = Indoor models only available as model Rev A
^ B = 208-230/1/60, C = 208-230/3/60, D = 460/3/60, E = 575/3/60

# A1 PERFORMANCE DATA – R-407C

## Low Temperature Models - Scroll Compressors (Cont.)

Please consult AWEF table on page 49 to confirm DOE compliance per model

| R-407C | | Capacity BTUH @ 100°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| A1 Model | A2L Model | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| BC*0006L^ACZ | BCH0006L^ACY | 3,870 | 3,440 | 3,070 | 2,730 | 2,440 | 2,180 | 1,960 | 1,770 | 1,590 |
| BC*0008L^BCZ | BCH0008L^ACY | 5,230 | 4,630 | 4,080 | 3,580 | 3,130 | 2,750 | 2,420 | 2,150 | 1,930 |
| BC*0010L^BCZ | BCH0010L^ACY | 6,120 | 5,430 | 4,800 | 4,210 | 3,690 | 3,220 | 2,810 | 2,470 | 2,180 |
| BC*0018L^BCZ | BCH0018L^ACY | 7,940 | 7,140 | 6,380 | 5,680 | 5,030 | 4,440 | 3,910 | 3,420 | 2,980 |
| BC*0022L^BCZ | BCH0022L^ACY | 8,760 | 7,850 | 7,060 | 6,350 | 5,710 | 5,110 | 4,530 | 3,940 | 3,300 |
| BC*0025L^ACZ | BCH0025L^ACY | — | — | — | — | — | — | — | — | — |
| BC*0030L^BCZ | BCH0030L^ACY | 12,360 | 11,250 | 10,130 | 9,020 | 7,950 | 6,950 | 6,060 | 5,310 | 4,730 |
| BC*0035L^BCZ | BCH0035L^ACY | 15,030 | 13,720 | 12,370 | 11,020 | 9,690 | 8,470 | 7,380 | 6,480 | 5,820 |
| BC*0045L^BCZ | BCH0045L^ACY | 18,310 | 16,300 | 14,410 | 12,640 | 11,050 | 9,630 | 8,430 | 7,470 | 6,760 |
| BC*0055L^BCZ | BCH0055L^ACY | 22,120 | 19,730 | 17,500 | 15,430 | 13,540 | 11,880 | 10,470 | 9,320 | 8,480 |
| BC*0060L^ACZ | BCH0060L^ACY | 26,130 | 23,380 | 20,810 | 18,410 | 16,210 | 14,260 | 12,590 | 11,210 | 10,180 |

| R-407C | | Capacity BTUH @ 110°F Ambient by SST | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| A1 Model | A2L Model | 0°F | -5°F | -10°F | -15°F | -20°F | -25°F | -30°F | -35°F | -40°F |
| BC*0006L^ACZ | BCH0006L^ACY | 3,610 | 3,220 | 2,870 | 2,570 | 2,300 | 2,060 | 1,850 | 1,670 | 1,510 |
| BC*0008L^BCZ | BCH0008L^ACY | 4,860 | 4,300 | 3,790 | 3,330 | 2,930 | 2,570 | 2,270 | 2,030 | 1,840 |
| BC*0010L^BCZ | BCH0010L^ACY | 5,690 | 5,050 | 4,460 | 3,920 | 3,440 | 3,010 | 2,640 | 2,320 | 2,060 |
| BC*0018L^BCZ | BCH0018L^ACY | 7,400 | 6,660 | 5,970 | 5,320 | 4,730 | 4,180 | 3,680 | 3,230 | 2,810 |
| BC*0022L^BCZ | BCH0022L^ACY | 8,090 | 7,260 | 6,540 | 5,900 | 5,320 | 4,770 | 4,230 | 3,680 | 3,080 |
| BC*0025L^ACZ | BCH0025L^ACY | — | — | — | — | — | — | — | — | — |
| BC*0030L^BCZ | BCH0030L^ACY | 11,610 | 10,590 | 9,560 | 8,520 | 7,520 | 6,580 | 5,740 | 5,010 | 4,440 |
| BC*0035L^BCZ | BCH0035L^ACY | 14,030 | 12,830 | 11,590 | 10,340 | 9,120 | 7,980 | 6,960 | 6,100 | 5,460 |
| BC*0045L^BCZ | BCH0045L^ACY | 17,140 | 15,200 | 13,400 | 11,730 | 10,230 | 8,920 | 7,830 | 6,970 | 6,380 |
| BC*0055L^BCZ | BCH0055L^ACY | 20,690 | 18,420 | 16,290 | 14,320 | 12,550 | 10,980 | 9,670 | 8,610 | 7,850 |
| BC*0060L^ACZ | BCH0060L^ACY | 24,560 | 21,960 | 19,480 | 17,200 | 15,130 | 13,290 | 11,730 | 10,460 | 9,530 |

**Notes:**
* H = Outdoor, N = Indoor models only available as model Rev A
^ B = 208-230/1/60, C = 208-230/3/60, D = 460/3/60, E = 575/3/60

# UNIT SPECIFICATIONS

## Medium Temperature Models - Scroll Compressors

| | Model | Compressor | Refrigerant Line Connections (OD) | | Rec. Capacity @90% full (lbs) | | Cabinet[h] | Dimensions (In.) | | | Net Wt. | Sound Data |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Liquid | Suction | Std | Opt | | Depth | Width | Height | (lbs.) | dBa[a] |
| A2L UNIT SPECIFICATIONS | BCH0005M^ACY | YB06KAE | 3/8 | 5/8 | 9 | — | C1 | 28.25 | 24.625 | 19.75 | 167 | 61 |
| | BCH0008M^ACY | YB07KAE | 3/8 | 5/8 | 9 | — | C1 | 28.25 | 24.625 | 19.75 | 168 | 61 |
| | BCH0009M^ACY | YB08KAE | 3/8 | 5/8 | 9 | — | C1 | 28.25 | 24.625 | 19.75 | 168 | 61 |
| | BCH0010M^ACY | YS09KAE | 3/8 | 5/8 | 9 | — | C1 | 28.25 | 24.625 | 19.75 | 179 | 61 |
| | BCH0012M^ACY | YS11KAE | 1/2 | 7/8 | 14 | 20 | C2 | 28.25 | 39.125 | 19.75 | 221 | 63 |
| | BCH0015M^ACY | YS12KAE | 1/2 | 7/8 | 14 | 20 | C2 | 28.25 | 39.125 | 19.75 | 221 | 63 |
| | BCH0020M^ACY | YS14KAE | 1/2 | 7/8 | 14 | 20 | C2 | 28.25 | 39.125 | 19.75 | 221 | 63 |
| | BCH0025M^ACY | YS16KAE | 1/2 | 7/8 | 14 | 20 | C2 | 28.25 | 39.125 | 19.75 | 230 | 63 |
| | BCH0027M^ACY | YS19KAE | 1/2 | 7/8 | 20 | 40 | C3 | 30.25 | 43.875 | 29.25 | 297 | 63 |
| | BCH0030M^ACY | YS21KAE | 1/2 | 7/8 | 20 | 40 | C3 | 30.25 | 43.875 | 29.25 | 297 | 63 |
| | BCH0035M^ACY | YS24KAE | 1/2 | 7/8 | 20 | 40 | C3 | 30.25 | 43.875 | 29.25 | 300 | 63 |
| | BCH0045M^ACY | YS26KAE | 1/2 | 1 1/8 | 20 | 40 | C3 | 30.25 | 43.875 | 29.25 | 327 | 63 |
| | BCH0050M^ACY | YS30KAE | 1/2 | 1 1/8 | 20 | 40 | C3 | 30.25 | 43.875 | 29.25 | 330 | 63 |
| | BCH0055M^ACY | YS33KAE | 1/2 | 1 1/8 | 20 | 40 | C3 | 30.25 | 43.875 | 29.25 | 332 | 63 |
| | BCH0060M^ACY | YS40KAE | 1/2 | 1 1/8 | 20 | 40 | C3 | 30.25 | 43.875 | 29.25 | 335 | 63 |
| A1 UNIT SPECIFICATIONS | BC*0005M^ACZ | ZB06KAE | 3/8 | 5/8 | 9 | — | C1 | 28.25 | 24.625 | 19.75 | 167 | 61 |
| | BC*0008M^ACZ | ZB07KAE | 3/8 | 5/8 | 9 | — | C1 | 28.25 | 24.625 | 19.75 | 168 | 61 |
| | BC*0009M^ACZ | ZB08KAE | 3/8 | 5/8 | 9 | — | C1 | 28.25 | 24.625 | 19.75 | 168 | 61 |
| | BC*0010M^A‡Z | ZS09KAE / MPA010 | 3/8 | 5/8 | 9 | — | C1 | 28.25 | 24.625 | 19.75 | 179 | 61 |
| | BC*0015M^A‡Z | ZS13KAE / MPA013 | 1/2 | 7/8 | 14 | 20 | C2 | 28.25 | 39.125 | 19.75 | 221 | 63 |
| | BC*0020M^A‡Z | ZS15KAE / MPA015 | 1/2 | 7/8 | 14 | 20 | C2 | 28.25 | 39.125 | 19.75 | 221 | 63 |
| | BC*0025M^A‡Z | ZS19KAE / MPA019 | 1/2 | 7/8 | 14 | 20 | C2 | 28.25 | 39.125 | 19.75 | 230 | 63 |
| | BC*0030M^A‡Z | ZS21KAE / MBA021 | 1/2 | 7/8 | 20 | 40 | C3 | 30.25 | 43.875 | 29.25 | 297 | 63 |
| | BC*0035M^A‡Z | ZS26KAE / MBA026 | 1/2 | 7/8 | 20 | 40 | C3 | 30.25 | 43.875 | 29.25 | 300 | 63 |
| | BC*0045M^A‡Z | ZS29KAE / MBA029 | 1/2 | 1 1/8 | 20 | 40 | C3 | 30.25 | 43.875 | 29.25 | 327 | 63 |
| | BC*0050M^A‡Z | ZS33KAE / MBA033 | 1/2 | 1 1/8 | 20 | 40 | C3 | 30.25 | 43.875 | 29.25 | 330 | 63 |
| | BC*0055M^A‡Z | ZS38K4E / MRA038 | 1/2 | 1 1/8 | 20 | 40 | C3 | 30.25 | 43.875 | 29.25 | 332 | 63 |
| | BC*0060M^A‡Z | ZS45K4E / MRA045 | 1/2 | 1 1/8 | 20 | 40 | C3 | 30.25 | 43.875 | 29.25 | 335 | 63 |

**Notes:**
* H = Outdoor, N = Indoor models only available as model Rev A
^ B = 208-230/1/60, C = 208-230/3/60, D = 460/3/60, E = 575/3/60
‡ C = Copeland, L = LG

a. Estimated sound pressure values are 10 feet from the unit. For estimating sound pressure from the unit at different distances, deduct the following from the unit values: 20 feet, deduct 6 dBA; for 40 feet, deduct 12 dBA; for 80 feet, deduct 18 dBA. This data is typical of "free field" conditions for horizontal air cooled condensing units at the outlet of the discharge air. The actual sound measurements may vary depending on the condensing unit installation. Factors such as reflecting walls, background noise and mounting conditions may have a significant influence on this data.

h. See Page 43 for dimensional drawings

# UNIT SPECIFICATIONS

## Low Temperature Models - Scroll Compressors

| | Model | Compressor | Refrigerant Line Connections (OD) | | Rec. Capacity @90% full (lbs) | | Cabinet[h] | Dimensions (In.) | | | Net Wt. | Sound Data |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Liquid | Suction | Std | Opt | | Depth | Width | Height | (lbs.) | dBa[a] |
| A2L UNIT SPECIFICATIONS | BCH0006L^ACY | YF03KAE | 3/8 | 5/8 | 9 | — | C1 | 28.25 | 24.625 | 19.75 | 169 | 63 |
| | BCH0008L^ACY | YF04KAE | 3/8 | 5/8 | 9 | — | C1 | 28.25 | 24.625 | 19.75 | 171 | 63 |
| | BCH0010L^ACY | YF05KAE | 3/8 | 5/8 | 9 | — | C1 | 28.25 | 24.625 | 19.75 | 172 | 63 |
| | BCH0018L^ACY | YF06KAE | 3/8 | 5/8 | 9 | — | C1 | 28.25 | 24.625 | 19.75 | 170 | 63 |
| | BCH0022L^ACY | YF07KAE | 3/8 | 5/8 | 9 | — | C1 | 28.25 | 24.625 | 19.75 | 173 | 63 |
| | BCH0025L^ACY | YF06KSE | 1/2 | 7/8 | 14 | 20 | C2 | 28.25 | 39.125 | 19.75 | 230 | 64 |
| | BCH0030L^ACY | YF07KSE | 1/2 | 7/8 | 14 | 20 | C2 | 28.25 | 39.125 | 19.75 | 230 | 64 |
| | BCH0035L^ACY | YF09KSE | 1/2 | 7/8 | 14 | 20 | C2 | 28.25 | 39.125 | 19.75 | 232 | 64 |
| | BCH0045L^ACY | YF10KAE | 1/2 | 7/8 | 20 | 40 | C3 | 30.25 | 43.875 | 29.25 | 317 | 64 |
| | BCH0055L^ACY | YF13KAE | 1/2 | 7/8 | 20 | 40 | C3 | 30.25 | 43.875 | 29.25 | 323 | 64 |
| | BCH0060L^ACY | YF15KAE | 1/2 | 7/8 | 20 | 40 | C3 | 30.25 | 43.875 | 29.25 | 327 | 64 |
| A1 UNIT SPECIFICATIONS | BCH0006L^ACZ | ZF03KAE | 3/8 | 5/8 | 9 | — | C1 | 28.25 | 24.625 | 19.75 | 169 | 63 |
| | BCH0008L^ACZ | ZF04KAE | 3/8 | 5/8 | 9 | — | C1 | 28.25 | 24.625 | 19.75 | 171 | 63 |
| | BCH0010L^ACZ | ZF05KAE | 3/8 | 5/8 | 9 | — | C1 | 28.25 | 24.625 | 19.75 | 172 | 63 |
| | BCH0022L^ACZ | ZF07KAE | 3/8 | 5/8 | 9 | — | C1 | 28.25 | 24.625 | 19.75 | 173 | 63 |
| | BCH0025L^ACZ | ZF08K4E | 1/2 | 7/8 | 14 | 20 | C2 | 28.25 | 39.125 | 19.75 | 230 | 64 |
| | BCH0030L^ACZ | ZF09K4E | 1/2 | 7/8 | 14 | 20 | C2 | 28.25 | 39.125 | 19.75 | 230 | 64 |
| | BCH0035L^ACZ | ZF11K4E | 1/2 | 7/8 | 14 | 20 | C2 | 28.25 | 39.125 | 19.75 | 232 | 64 |
| | BCH0045L^ACZ | ZF13K4E | 1/2 | 7/8 | 20 | 40 | C3 | 30.25 | 43.875 | 29.25 | 317 | 64 |
| | BCH0055L^ACZ | ZF15K4E | 1/2 | 7/8 | 20 | 40 | C3 | 30.25 | 43.875 | 29.25 | 323 | 64 |
| | BCH0060L^ACZ | ZF18K4E | 1/2 | 7/8 | 20 | 40 | C3 | 30.25 | 43.875 | 29.25 | 327 | 64 |

**Notes:**
* H = Outdoor, N = Indoor models only available as model Rev A
^ B = 208-230/1/60, C = 208-230/3/60, D = 460/3/60, E = 575/3/60
‡ C = Copeland, L = LG
a. Estimated sound pressure values are 10 feet from the unit. For estimating sound pressure from the unit at different distances, deduct the following from the unit values: 20 feet, deduct 6 dBA; for 40 feet, deduct 12 dBA; for 80 feet, deduct 18 dBA. This data is typical of "free field" conditions for horizontal air cooled condensing units at the outlet of the discharge air. The actual sound measurements may vary depending on the condensing unit installation. Factors such as reflecting walls, background noise and mounting conditions may have a significant influence on this data.
b. Power supplied by customer
c. Per UL and NEC, RLA values have been calculated by dividing the Maximum Continuous Current (MCC) by 1.56.
d. Unless otherwise noted, model is available for 50 Hz. Consult factory for details.
e. Compressor not rated for 50 Hz operation.
f. 460/230V transformer is used in unit
h. See Page 43 for dimensional drawings

# A2L ELECTRICAL DATA

## Medium Temperature Models - Copeland Scroll Compressors

| Model | Compressor | Power[d] | Compressor | | Condenser | | Air Defrost or Remote Controller | | Remote Loads | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | RLA[c] | LRA | No. Fans | FLA | MCA | MOPD | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost MCA | Electric Defrost MOPD |
| BCH0008MCACY | YB07KA-TF5 | 208-230/3/60 | 4.7 | 37.8 | 1 | 0.5 | 15.0 | 15.0 | 5 | 15 | 20 | 20 |
| BCH0009MBACY | YB08KA-PFV | 208-230/1/60 | 7.2 | 47.2 | 1 | 0.5 | 15.0 | 15.0 | 5 | 15 | 20 | 20 |
| BCH0009MCACY | YB08KA-TF5 | 208-230/3/60 | 4.7 | 37.8 | 1 | 0.5 | 15.0 | 15.0 | 5 | 15 | 20 | 20 |
| BCH0010MBACY | YS09KA-PFV | 208-230/1/60 | 9.0 | 40.3 | 1 | 0.5 | 15.0 | 20.0 | 5 | 15 | 20 | 25 |
| BCH0010MCACY | YS09KA-TF5 | 208-230/3/60 | 7.2 | 55.4 | 1 | 0.5 | 15.0 | 15.0 | 5 | 15 | 20 | 20 |
| BCH0010MDACY | YS09KA-TFD | 460/3/60 | 3.4 | 28.0 | 1 | 0.5 | 15.0 | 15.0 | 5 | 15 | 20 | 20 |
| BCH0012MBACY | YS11KA-PFV | 208-230/1/60 | 11.3 | 55.0 | 2 | 1 | 20.0 | 25.0 | 10 | 30 | 37.5 | 40 |
| BCH0012MCACY | YS11KA-TF5 | 208-230/3/60 | 9.3 | 58.0 | 2 | 1 | 15.0 | 20.0 | 9 | 23 | 28.8 | 30 |
| BCH0012MDACY | YS11KA-TFD | 460/3/60 | 3.8 | 28.0 | 2 | 1 | 15.0 | 15.0 | b | b | 15 | 15 |
| BCH0015MBACY | YS12KA-PFV | 208-230/1/60 | 10.8 | 56.0 | 2 | 1 | 15.0 | 25.0 | 10 | 30 | 37.5 | 40 |
| BCH0015MCACY | YS12KA-TF5 | 208-230/3/60 | 8.7 | 58.0 | 2 | 1 | 15.0 | 20.0 | 9 | 23 | 28.8 | 30 |
| BCH0015MDACY | YS12KA-TFD | 460/3/60 | 4.3 | 29.0 | 2 | 1 | 15.0 | 15.0 | b | b | 15 | 15 |
| BCH0015MEACY | YS12KA-TFE | 575/3/60 | 3.2 | 24.5 | 2 | 1 | 15.0 | 15.0 | b | b | 15 | 15 |
| BCH0020MBACY | YS14KA-PFV | 208-230/1/60 | 14.1 | 68.0 | 2 | 1 | 20.0 | 30.0 | 10 | 30 | 37.5 | 40 |
| BCH0020MCACY | YS14KA-TF5 | 208-230/3/60 | 9.6 | 58.0 | 2 | 1 | 15.0 | 20.0 | 9 | 23 | 28.8 | 30 |
| BCH0020MDACY | YS14KA-TFD | 460/3/60 | 4.8 | 29.0 | 2 | 1 | 15.0 | 15.0 | b | b | 15 | 15 |
| BCH0020MEACY | YS14KA-TFE | 575/3/60 | 3.5 | 24.0 | 2 | 1 | 15.0 | 15.0 | b | b | 15 | 15 |
| BCH0025MBACY | YS16KA-PFV | 208-230/1/60 | 16.2 | 75.0 | 2 | 1 | 21.2 | 35.0 | 10 | 30 | 37.5 | 45 |
| BCH0025MCACY | YS16KA-TF5 | 208-230/3/60 | 12.3 | 73.0 | 2 | 1 | 20.0 | 25.0 | 9 | 23 | 28.8 | 35 |
| BCH0025MDACY | YS16KA-TFD | 460/3/60 | 5.8 | 38.0 | 2 | 1 | 15.0 | 15.0 | b | b | 15 | 15 |
| BCH0025MEACY | YS16KA-TFE | 575/3/60 | 3.8 | 28.0 | 2 | 1 | 15.0 | 15.0 | b | b | 15 | 15 |
| BCH0027MBACY | YS19KA-PFV | 208-230/1/60 | 17.8 | 88.0 | 1 | 3.5 | 25.7 | 40.0 | 10 | 30 | 37.5 | 50 |
| BCH0027MCACY | YS19KA-TF5 | 208-230/3/60 | 10.8 | 76.9 | 1 | 3.5 | 20.0 | 25.0 | 10 | 30 | 37.5 | 40 |
| BCH0027MDACY | YS19KA-TFD | 460/3/60 | 4.9 | 41.6 | 1 | 1.9 | 15.0 | 15.0 | 9 | 23 | 28.8 | 30 |
| BCH0027MEACY | YS19KA-TFE | 575/3/60 | 4.4 | 33.0 | 1 | 1.4 | 15.0 | 15.0 | 7 | 18 | 28.8 | 30 |
| BCH0030MBACY | YS21KA-PFV | 208-230/1/60 | 20.8 | 112.0 | 1 | 3.5 | 29.5 | 50.0 | 10 | 30 | 39.5 | 60 |
| BCH0030MCACY | YS21KA-TF5 | 208-230/3/60 | 13.7 | 93.0 | 1 | 3.5 | 20.6 | 30.0 | 10 | 30 | 37.5 | 40 |
| BCH0030MDACY | YS21KA-TFD | 460/3/60 | 6.2 | 48.0 | 1 | 1.9 | 15.0 | 15.0 | 9 | 23 | 28.8 | 30 |
| BCH0030MEACY | YS21KA-TFE | 575/3/60 | 5.2 | 33.0 | 1 | 1.4 | 15.0 | 15.0 | 7 | 18 | 22.5 | 25 |
| BCH0035MBACY | YS24KA-PFV | 208-230/1/60 | 21.2 | 104.0 | 1 | 3.5 | 29.9 | 50.0 | 10 | 30 | 39.9 | 60 |
| BCH0035MCACY | YS24KA-TF5 | 208-230/3/60 | 13.9 | 93.0 | 1 | 3.5 | 20.9 | 30.0 | 10 | 30 | 37.5 | 40 |
| BCH0035MDACY | YS24KA-TFD | 460/3/60 | 6.2 | 48.0 | 1 | 1.9 | 15.0 | 15.0 | 9 | 23 | 28.8 | 30 |
| BCH0035MEACY | YS24KA-TFE | 575/3/60 | 5.7 | 38.0 | 1 | 1.4 | 15.0 | 15.0 | 7 | 18 | 22.5 | 25 |
| BCH0045MBACY | YS26KA-PFV | 208-230/1/60 | 23.4 | 137.0 | 1 | 3.5 | 32.7 | 50.0 | 10 | 30 | 42.7 | 60 |

**Notes:**
b. Power supplied by customer
c. Per UL and NEC, RLA values have been calculated by dividing the Maximum Continuous Current (MCC) by 1.56.
d. Unless otherwise noted, model is available for 50 Hz. Consult factory for details.

# A2L ELECTRICAL DATA

Medium Temperature Models - Copeland Scroll Compressors

| Model | Compressor | Power[d] | Compressor | | Condenser | | Air Defrost or Remote Controller | | Remote Loads | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | RLA[c] | LRA | No. Fans | FLA | MCA | MOPD | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost MCA | Electric Defrost MOPD |
| BCH0045MCACY | YS26KA-TF5 | 208-230/3/60 | 18.4 | 114.0 | 1 | 3.5 | 26.5 | 40.0 | 10 | 30 | 37.5 | 50 |
| BCH0045MDACY | YS26KA-TFD | 460/3/60 | 8.4 | 58 | 1 | 1.9 | 15 | 20 | 9 | 23 | 28.8 | 30 |
| BCH0045MEACY | YS26KA-TFE | 575/3/60 | 5.2 | 43 | 1 | 1.4 | 15 | 15 | 7 | 18 | 22.5 | 25 |
| BCH0050MBACY | YS30KA-PFV | 208-230/1/60 | 23 | 146 | 1 | 3.5 | 32.3 | 50 | 10 | 30 | 42.3 | 60 |
| BCH0050MCACY | YS30KA-TF5 | 208-230/3/60 | 20 | 114 | 1 | 3.5 | 28.5 | 45 | 10 | 30 | 38.5 | 50 |
| BCH0050MDACY | YS30KA-TFD | 460/3/60 | 9 | 52 | 1 | 1.9 | 15 | 20 | 9 | 23 | 28.8 | 30 |
| BCH0050MEACY | YS30KA-TFE | 575/3/60 | 6.2 | 39.5 | 1 | 1.4 | 15 | 15 | 7 | 18 | 22.5 | 25 |
| BCH0055MBACY | YS33KA-PFV | 208-230/1/60 | 28.5 | 169 | 1 | 3.5 | 39.2 | 60 | 10 | 30 | 49.2 | 60 |
| BCH0055MCACY | YS33KA-TF5 | 208-230/3/60 | 19.2 | 123 | 1 | 3.5 | 27.5 | 45 | 10 | 30 | 37.5 | 50 |
| BCH0055MDACY | YS33KA-TFD | 460/3/60 | 8.7 | 62 | 1 | 1.9 | 15 | 20 | 9 | 23 | 28.8 | 30 |
| BCH0055MEACY | YS33KA-TFE | 575/3/60 | 7.1 | 50 | 1 | 1.4 | 15 | 15 | 7 | 18 | 22.5 | 25 |
| BCH0060MCACY | YS40KA-TF5 | 208-230/3/60 | 21.5 | 156 | 1 | 3.5 | 30.3 | 50 | 10 | 30 | 40.3 | 60 |
| BCH0060MDACY | YS40KA-TFD | 460/3/60 | 8.3 | 75 | 1 | 1.9 | 15 | 20 | 9 | 23 | 28.8 | 30 |
| BCH0060MEACY | YS40KA-TFE | 575/3/60 | 7.1 | 54 | 1 | 1.4 | 15 | 15 | 7 | 18 | 22.5 | 25 |

# A1 ELECTRICAL DATA

## Medium Temperature Models - Copeland Scroll Compressors

| Model | Compressor | Power[d] | Compressor | | Condenser | | Air Defrost or Remote Controller | | Remote Loads | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | RLA[c] | LRA | No. Fans | FLA | MCA | MOPD | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost MCA | Electric Defrost MOPD |
| BC*0005MBACZ | ZB06KAE-PFV | 208-230/1/60 | 5.4 | 35.7 | 1 | 0.5 | 15.0 | 15.0 | 5 | 15 | 20 | 20 |
| BC*0005MCACZ | ZB06KAE-TF5 | 208-230/3/60 | 4.3 | 37.8 | 1 | 0.5 | 15.0 | 15.0 | 5 | 15 | 20 | 20 |
| BC*0008MBACZ | ZB07KAE-PFV | 208-230/1/60 | 5.6 | 48.0 | 1 | 0.5 | 15.0 | 15.0 | 5 | 15 | 20 | 20 |
| BC*0008MCACZ | ZB07KAE-TF5 | 208-230/3/60 | 4.7 | 37.8 | 1 | 0.5 | 15.0 | 15.0 | 5 | 15 | 20 | 20 |
| BC*0009MBACZ | ZB08KAE-PFV | 208-230/1/60 | 7.2 | 47.2 | 1 | 0.5 | 15.0 | 15.0 | 5 | 15 | 20 | 20 |
| BC*0009MCACZ | ZB08KAE-TF5 | 208-230/3/60 | 4.7 | 37.8 | 1 | 0.5 | 15.0 | 15.0 | 5 | 15 | 20 | 20 |
| BC*0010MBACZ | ZS09KAE-PFV | 208-230/1/60 | 9.0 | 40.3 | 1 | 0.5 | 15.0 | 20.0 | 5 | 15 | 20 | 25 |
| BC*0010MCACZ | ZS09KAE-TF5 | 208-230/3/60 | 7.2 | 55.4 | 1 | 0.5 | 15.0 | 15.0 | 5 | 15 | 20 | 20 |
| BC*0010MDACZ | ZS09KAE-TFD | 460/3/60 | 3.4 | 28.0 | 1 | 0.5 | 15.0 | 15.0 | 5 | 15 | 20 | 20 |
| BC*0012MBACZ | ZS11KAE-PFV | 208-230/1/60 | 11.3 | 55.0 | 2 | 1 | 20.0 | 25.0 | 10 | 30 | 37.5 | 40 |
| BC*0012MCACZ | ZS11KAE-TF5 | 208-230/3/60 | 9.3 | 58.0 | 2 | 1 | 15.0 | 20.0 | 9 | 23 | 28.8 | 30 |
| BC*0012MDACZ | ZS11KAE-TFD | 460/3/60 | 3.8 | 28.0 | 2 | 1 | 15.0 | 15.0 | b | b | 15 | 15 |
| BC*0015MBACZ | ZS13KAE-PFV | 208-230/1/60 | 10.8 | 56.0 | 2 | 1 | 15.0 | 25.0 | 10 | 30 | 37.5 | 40 |
| BC*0015MCACZ | ZS13KAE-TF5 | 208-230/3/60 | 8.7 | 58.0 | 2 | 1 | 15.0 | 20.0 | 9 | 23 | 28.8 | 30 |
| BC*0015MDACZ | ZS13KAE-TFD | 460/3/60 | 4.3 | 29.0 | 2 | 1 | 15.0 | 15.0 | b | b | 15 | 15 |
| BC*0015MEACZ | ZS13KAE-TFE | 575/3/60 | 3.2 | 24.5 | 2 | 1 | 15.0 | 15.0 | b | b | 15 | 15 |
| BC*0020MBACZ | ZS15KAE-PFV | 208-230/1/60 | 14.1 | 68.0 | 2 | 1 | 20.0 | 30.0 | 10 | 30 | 37.5 | 40 |
| BC*0020MCACZ | ZS15KAE-TF5 | 208-230/3/60 | 9.6 | 58.0 | 2 | 1 | 15.0 | 20.0 | 9 | 23 | 28.8 | 30 |
| BC*0020MDACZ | ZS15KAE-TFD | 460/3/60 | 4.8 | 29.0 | 2 | 1 | 15.0 | 15.0 | b | b | 15 | 15 |
| BC*0020MEACZ | ZS15KAE-TFE | 575/3/60 | 3.5 | 24 | 2 | 1 | 15.0 | 15.0 | b | b | 15 | 15 |
| BC*0025MBACZ | ZS19KAE-PFV | 208-230/1/60 | 16.2 | 75.0 | 2 | 1 | 21.2 | 35.0 | 10 | 30 | 37.5 | 45 |
| BC*0025MCACZ | ZS19KAE-TF5 | 208-230/3/60 | 12.3 | 73.0 | 2 | 1 | 20.0 | 25.0 | 9 | 23 | 28.8 | 35 |
| BC*0025MDACZ | ZS19KAE-TFD | 460/3/60 | 5.8 | 38.0 | 2 | 1 | 15.0 | 15.0 | b | b | 15 | 15 |
| BC*0025MEACZ | ZS19KAE-TFE | 575/3/60 | 3.8 | 28 | 2 | 1 | 15.0 | 15.0 | b | b | 15 | 15 |
| BC*0027MBACZ | ZS20KAE-PFV | 208-230/1/60 | 17.8 | 88.0 | 1 | 3.5 | 25.7 | 40.0 | 10 | 30 | 37.5 | 50 |
| BC*0027MCACZ | ZS20KAE-TF5 | 208-230/3/60 | 10.8 | 76.9 | 1 | 3.5 | 20.0 | 25.0 | 10 | 30 | 37.5 | 40 |
| BC*0027MDACZ | ZS20KAE-TFD | 460/3/60 | 4.9 | 41.6 | 1 | 1.9 | 15.0 | 15.0 | 9 | 23 | 28.8 | 30 |
| BC*0027MEACZ | ZS20KAE-TFE | 575/3/60 | 4.4 | 33.0 | 1 | 1.4 | 15.0 | 15.0 | 7 | 18 | 28.8 | 30 |
| BC*0030MBACZ | ZS21KAE-PFV | 208-230/1/60 | 20.8 | 112.0 | 1 | 3.5 | 29.5 | 50.0 | 10 | 30 | 39.5 | 60 |
| BC*0030MCACZ | ZS21KAE-TF5 | 208-230/3/60 | 13.7 | 93.0 | 1 | 3.5 | 20.6 | 30.0 | 10 | 30 | 37.5 | 40 |
| BC*0030MDACZ | ZS21KAE-TFD | 460/3/60 | 6.2 | 48.0 | 1 | 1.9 | 15.0 | 15.0 | 9 | 23 | 28.8 | 30 |
| BC*0030MEACZ | ZS21KAE-TFE | 575/3/60 | 5.2 | 33 | 1 | 1.4 | 15.0 | 15.0 | 7 | 18 | 22.5 | 25 |
| BC*0035MBACZ | ZS26KAE-PFV | 208-230/1/60 | 21.2 | 104.0 | 1 | 3.5 | 29.9 | 50.0 | 10 | 30 | 39.9 | 60 |
| BC*0035MCACZ | ZS26KAE-TF5 | 208-230/3/60 | 13.9 | 93.0 | 1 | 3.5 | 20.9 | 30.0 | 10 | 30 | 37.5 | 40 |
| BC*0035MDACZ | ZS26KAE-TFD | 460/3/60 | 6.2 | 48.0 | 1 | 1.9 | 15.0 | 15.0 | 9 | 23 | 28.8 | 30 |

**Notes:**
* H = Outdoor, N = Indoor
b. Power supplied by customer
c. Per UL and NEC, RLA values have been calculated by dividing the Maximum Continuous Current (MCC) by 1.56.
d. Unless otherwise noted, model is available for 50 Hz. Consult factory for details.

# A1 ELECTRICAL DATA

Medium Temperature Models - Copeland Scroll Compressors (Cont.)

| Model | Compressor | Power[d] | Compressor | | Condenser | | Air Defrost or Remote Controller | | Remote Loads | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | RLA[c] | LRA | No. Fans | FLA | MCA | MOPD | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost MCA | Electric Defrost MOPD |
| BC*0035MEACZ | ZS26KAE-TFE | 575/3/60 | 5.7 | 38 | 1 | 1.4 | 15 | 15 | 7 | 18 | 22.5 | 25 |
| BC*0045MBACZ | ZS29KAE-PFV | 208-230/1/60 | 23.4 | 137.0 | 1 | 3.5 | 32.7 | 50.0 | 10 | 30 | 42.7 | 60 |
| BC*0045MCACZ | ZS29KAE-TF5 | 208-230/3/60 | 18.4 | 114.0 | 1 | 3.5 | 26.5 | 40.0 | 10 | 30 | 37.5 | 50 |
| BC*0045MDACZ | ZS29KAE-TFD | 460/3/60 | 8.4 | 58.0 | 1 | 1.9 | 15.0 | 20.0 | 9 | 23 | 28.8 | 30 |
| BC*0045MEACZ | ZS29KAE-TFE | 575/3/60 | 5.2 | 43 | 1 | 1.4 | 15.0 | 15.0 | 7 | 18 | 22.5 | 25 |
| BC*0050MBACZ | ZS33KAE-PFV | 208-230/1/60 | 23.0 | 146.0 | 1 | 3.5 | 32.3 | 50.0 | 10 | 30 | 42.3 | 60 |
| BC*0050MCACZ | ZS33KAE-TF5 | 208-230/3/60 | 20.0 | 114.0 | 1 | 3.5 | 28.5 | 45.0 | 10 | 30 | 38.5 | 50 |
| BC*0050MDACZ | ZS33KAE-TFD | 460/3/60 | 9.0 | 52.0 | 1 | 1.9 | 15.0 | 20.0 | 9 | 23 | 28.8 | 30 |
| BC*0050MEACZ | ZS33KAE-TFE | 575/3/60 | 6.2 | 39.5 | 1 | 1.4 | 15.0 | 15.0 | 7 | 18 | 22.5 | 25 |
| BC*0055MBACZ | ZS38K4E-PFV | 208-230/1/60 | 28.5 | 169.0 | 1 | 3.5 | 39.2 | 60.0 | 10 | 30 | 49.2 | 60 |
| BC*0055MCACZ | ZS38K4E-TF5 | 208-230/3/60 | 19.2 | 123.0 | 1 | 3.5 | 27.5 | 45.0 | 10 | 30 | 37.5 | 50 |
| BC*0055MDACZ | ZS38K4E-TFD | 460/3/60 | 8.7 | 62.0 | 1 | 1.9 | 15.0 | 20.0 | 9 | 23 | 28.8 | 30 |
| BC*0055MEACZ | ZS38K4E-TFE | 575/3/60 | 7.1 | 50 | 1 | 1.4 | 15.0 | 15.0 | 7 | 18 | 22.5 | 25 |
| BC*0060MCACZ | ZS45K4E-TF5 | 208-230/3/60 | 21.5 | 156.0 | 1 | 3.5 | 30.3 | 50.0 | 10 | 30 | 40.3 | 60 |
| BC*0060MDACZ | ZS45K4E-TFD | 460/3/60 | 8.3 | 75.0 | 1 | 1.9 | 15.0 | 20.0 | 9 | 23 | 28.8 | 30 |
| BC*0060MEACZ | ZS45K4E-TFE | 575/3/60 | 7.1 | 54 | 1 | 1.4 | 15.0 | 15.0 | 7 | 18 | 22.5 | 25 |

**Notes:**
b. Power supplied by customer
c. Per UL and NEC, RLA values have been calculated by dividing the Maximum Continuous Current (MCC) by 1.56.
d. Unless otherwise noted, model is available for 50 Hz. Consult factory for details.

# A1 ELECTRICAL DATA

## Medium Temperature Models - LG Scroll Compressors

| Model | Compressor | Power[d] | Compressor | | Condenser | | Air Defrost or Remote Controller | | Remote Loads | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | RLA[c] | LRA | No. Fans | FLA | MCA | MOPD | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost MCA | Electric Defrost MOPD |
| BC*0010MBALZ | MPA010KAA | 208-230/1/60[e] | 7.3 | 42.0 | 1 | 0.5 | 15.0 | 15.0 | 5 | 15 | 20 | 20 |
| BC*0010MCALZ | MPA010RAA | 208-230/3/60[e] | 4.8 | 56.0 | 1 | 0.5 | 15.0 | 15.0 | 5 | 15 | 20 | 20 |
| BC*0010MDALZ | MPA010SAA | 460/3/60[e] | 2.8 | 29.0 | 1 | 0.5 | 15.0 | 15.0 | 5 | 15 | 20 | 20 |
| BC*0015MBALZ | MPA013KAA | 208-230/1/60[e] | 10.3 | 67.0 | 2 | 1 | 15.0 | 20.0 | 10 | 30 | 37.5 | 40 |
| BC*0015MCALZ | MPA013RAA | 208-230/3/60[e] | 6.4 | 62.0 | 2 | 1 | 15.0 | 15.0 | 9 | 23 | 28.8 | 30 |
| BC*0015MDALZ | MPA013SAA | 460/3/60[e] | 3.8 | 31.0 | 2 | 1 | 15.0 | 15.0 | b | b | 15 | 15 |
| BC*0020MBALZ | MPA015KAA | 208-230/1/60[e] | 11.5 | 77.0 | 2 | 1 | 20.0 | 25.0 | 10 | 30 | 37.5 | 40 |
| BC*0020MCALZ | MPA015RAA | 208-230/3/60[e] | 7.1 | 62.0 | 2 | 1 | 15.0 | 15.0 | 9 | 23 | 28.8 | 30 |
| BC*0020MDALZ | MPA015SAA | 460/3/60[e] | 3.8 | 31.0 | 2 | 1 | 15.0 | 15.0 | b | b | 15 | 15 |
| BC*0025MBALZ | MPA019KAA | 208-230/1/60[e] | 12.8 | 77.0 | 2 | 1 | 20.0 | 25.0 | 10 | 30 | 37.5 | 40 |
| BC*0025MCALZ | MPA019RAA | 208-230/3/60[e] | 7.7 | 69.0 | 2 | 1 | 15.0 | 15.0 | 9 | 23 | 28.8 | 30 |
| BC*0025MDALZ | MPA019SAA | 460/3/60[e] | 3.8 | 31.0 | 2 | 1 | 15.0 | 15.0 | b | b | 15 | 15 |
| BC*0030MBALZ | MBA021KAA | 208-230/1/60[e] | 17.9 | 94.0 | 1 | 3.5 | 25.9 | 40.0 | 10 | 30 | 37.5 | 50 |
| BC*0030MCALZ | MBA021RAA | 208-230/3/60[e] | 12.2 | 118.0 | 1 | 3.5 | 20.0 | 30.0 | 10 | 30 | 37.5 | 40 |
| BC*0030MDALZ | MBA021SAA | 460/3/60[e] | 5.8 | 69.0 | 1 | 1.9 | 15.0 | 15.0 | 9 | 23 | 28.8 | 30 |
| BC*0035MBALZ | MBA026KAA | 208-230/1/60[e] | 19.2 | 118.0 | 1 | 3.5 | 27.5 | 45.0 | 10 | 30 | 37.5 | 50 |
| BC*0035MCALZ | MBA026RAA | 208-230/3/60[e] | 11.5 | 118.0 | 1 | 3.5 | 20.0 | 25.0 | 10 | 30 | 37.5 | 40 |
| BC*0035MDALZ | MBA026SAA | 460/3/60[e] | 5.8 | 69.0 | 1 | 1.9 | 15.0 | 15.0 | 9 | 23 | 28.8 | 30 |
| BC*0045MBALZ | MBA029KAA | 208-230/1/60[e] | 22.4 | 118.0 | 1 | 3.5 | 31.5 | 50.0 | 10 | 30 | 41.5 | 60 |
| BC*0045MCALZ | MBA029RAA | 208-230/3/60[e] | 12.2 | 115.0 | 1 | 3.5 | 20.0 | 30.0 | 10 | 30 | 37.5 | 40 |
| BC*0045MDALZ | MBA029SAA | 460/3/60[e] | 5.8 | 69.0 | 1 | 1.9 | 15.0 | 15.0 | 9 | 23 | 28.8 | 30 |
| BC*0050MBALZ | MBA033KAA | 208-230/1/60[e] | 21.8 | 118.0 | 1 | 3.5 | 30.7 | 50.0 | 10 | 30 | 40.7 | 60 |
| BC*0050MCALZ | MBA033RAA | 208-230/3/60[e] | 12.2 | 115.0 | 1 | 3.5 | 20.0 | 30.0 | 10 | 30 | 37.5 | 40 |
| BC*0050MDALZ | MBA033SAA | 460/3/60[e] | 6.4 | 60.0 | 1 | 1.9 | 15.0 | 15.0 | 9 | 23 | 28.8 | 30 |
| BC*0055MBALZ | MRA038KAA | 208-230/1/60[e] | 25.1 | 159.0 | 1 | 3.5 | 34.8 | 50.0 | 10 | 30 | 44.8 | 60 |
| BC*0055MCALZ | MRA038RAA | 208-230/3/60[e] | 18.3 | 137.0 | 1 | 3.5 | 26.4 | 40.0 | 10 | 30 | 37.5 | 50 |
| BC*0055MDALZ | MRA038SAA | 460/3/60[e] | 9.1 | 84.0 | 1 | 1.9 | 15.0 | 20.0 | 9 | 23 | 28.8 | 30 |
| BC*0060MCALZ | MRA045RAA | 208-230/3/60[e] | 18.7 | 156.0 | 1 | 3.5 | 26.8 | 45.0 | 10 | 30 | 37.5 | 50 |
| BC*0060MDALZ | MRA045SAA | 460/3/60[e] | 8.8 | 84.0 | 1 | 1.9 | 15.0 | 20.0 | 9 | 23 | 28.8 | 30 |

**Notes:**
b. Power supplied by customer
c. Per UL and NEC, RLA values have been calculated by dividing the Maximum Continuous Current (MCC) by 1.56.
d. Unless otherwise noted, model is available for 50 Hz. Consult factory for details.
e. Compressor not rated for 50 Hz operation.

# A2L ELECTRICAL DATA

## Low Temperature Models - Copeland Scroll Compressors

| Model | Compressor | Power[d] | Compressor | | Condenser | | Air Defrost or Remote Controller | | Remote Loads | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost | |
| | | | RLA[c] | LRA | No. Fans | FLA | MCA | MOPD | | | MCA | MOPD |
| BCH0006LBACY | YF03KAE-PFV | 208-230/1/60 | 5.4 | 42.3 | 1 | 0.5 | 15.0 | 15.0 | 5 | 15 | 20 | 20 |
| BCH0006LCACY | YF03KAE-TF5 | 208-230/3/60 | 3.7 | 31.7 | 1 | 0.5 | 15.0 | 15.0 | 5 | 15 | 20 | 20 |
| BCH0008LBACY | YF04KAE-PFV | 208-230/1/60 | 6.6 | 40.3 | 1 | 0.5 | 15.0 | 15.0 | 5 | 15 | 20 | 20 |
| BCH0008LCACY | YF04KAE-TF5 | 208-230/3/60 | 6.0 | 55.4 | 1 | 0.5 | 15.0 | 15.0 | 5 | 15 | 20 | 20 |
| BCH0008LDACY | YF04KAE-TFD | 460/3/60 | 3.0 | 28.0 | 1 | 0.5 | 15.0 | 15.0 | 5 | 15 | 20 | 20 |
| BCH0010LBACY | YF05KAE-PFV | 208-230/1/60 | 7.8 | 55.0 | 1 | 0.5 | 15.0 | 15.0 | 5 | 15 | 20 | 20 |
| BCH0010LCACY | YF05KAE-TF5 | 208-230/3/60 | 6.6 | 58.0 | 1 | 0.5 | 15.0 | 15.0 | 5 | 15 | 20 | 20 |
| BCH0010LDACY | YF05KAE-TFD | 460/3/60 | 2.9 | 28.0 | 1 | 0.5 | 15.0 | 15.0 | 5 | 15 | 20 | 20 |
| BCH0018LBACY | YF06KAE-PFV | 208-230/1/60 | 12.2 | 68.0 | 1 | 0.5 | 20.0 | 25.0 | 5 | 15 | 20.8 | 30 |
| BCH0018LCACY | YF06KAE-TF5 | 208-230/3/60 | 7.4 | 58.0 | 1 | 0.5 | 15.0 | 15.0 | 5 | 15 | 20 | 20 |
| BCH0018LDACY | YF06KAE-TFD | 460/3/60 | 3.7 | 28.0 | 1 | 0.5 | 15.0 | 15.0 | 5 | 15 | 20 | 20 |
| BCH0022LBACY | YF07KAE-PFV | 208-230/1/60 | 12.4 | 75.0 | 1 | 0.5 | 20.0 | 25.0 | 5 | 15 | 21 | 30 |
| BCH0022LCACY | YF07KAE-TF5 | 208-230/3/60 | 7.8 | 58.0 | 1 | 0.5 | 15.0 | 15.0 | 5 | 15 | 20 | 20 |
| BCH0022LDACY | YF07KAE-TFD | 460/3/60 | 3.6 | 28.0 | 1 | 0.5 | 15.0 | 15.0 | 5 | 15 | 20 | 20 |
| BCH0025LBACY | YF06KSE-PFV | 208-230/1/60 | 14.7 | 73.0 | 2 | 1 | 20.0 | 30.0 | 10 | 30 | 37.5 | 40 |
| BCH0025LCACY | YF06KSE-TF5 | 208-230/3/60 | 8.7 | 63.0 | 2 | 1 | 15.0 | 20.0 | 9 | 23 | 28.8 | 30 |
| BCH0025LDACY | YF06KSE-TFD | 460/3/60 | 4.5 | 31.0 | 2 | 1 | 15.0 | 15.0 | b | b | 15 | 15 |
| BCH0030LBACY | YF07KSE-PFV | 208-230/1/60 | 12.8 | 88.0 | 2 | 1 | 20.0 | 25.0 | 10 | 30 | 37.5 | 40 |
| BCH0030LCACY | YF07KSE-TF5 | 208-230/3/60 | 9.9 | 77.0 | 2 | 1 | 15.0 | 20.0 | 9 | 23 | 28.8 | 30 |
| BCH0030LDACY | YF07KSE-TFD | 460/3/60 | 4.5 | 39.0 | 2 | 1 | 15.0 | 15.0 | b | b | — | — |
| BCH0035LBACY | YF09KSE-PFV | 208-230/1/60 | 16.3 | 109.0 | 2 | 1 | 21.4 | 35.0 | 10 | 30 | 37.5 | 45 |
| BCH0035LCACY | YF09KSE-TF5 | 208-230/3/60 | 12.2 | 88.0 | 2 | 1 | 20.0 | 25.0 | 9 | 23 | 28.8 | 35 |
| BCH0035LDACY | YF09KSE-TFD | 460/3/60 | 5.8 | 44.0 | 2 | 1 | 15.0 | 15.0 | b | b | 15 | 15 |
| BCH0045LBACY | YF10KAE-PFV | 208-230/1/60 | 24.0 | 129.0 | 1 | 3.5 | 33.5 | 50.0 | 10 | 30 | 43.5 | 60 |
| BCH0045LCACY | YF10KAE-TF5 | 208-230/3/60 | 11.9 | 99.0 | 1 | 3.5 | 20.0 | 30.0 | 10 | 30 | 37.5 | 40 |
| BCH0045LDACY | YF10KAE-TFD | 460/3/60 | 6.4 | 49.5 | 1 | 1.9 | 15.0 | 15.0 | 9 | 23 | 28.8 | 30 |
| BCH0055LBACY | YF13KAE-PFV | 208-230/1/60 | 24.7 | 169.0 | 1 | 3.5 | 34.3 | 50.0 | 10 | 30 | 44.3 | 60 |
| BCH0055LCACY | YF13KAE-TF5 | 208-230/3/60 | 17.0 | 123.0 | 1 | 3.5 | 24.7 | 40.0 | 10 | 30 | 37.5 | 50 |
| BCH0055LDACY | YF13KAE-TFD | 460/3/60 | 8.7 | 62.0 | 1 | 1.9 | 15.0 | 20.0 | 9 | 23 | 28.8 | 30 |
| BCH0060LCACY | YF15KAE-TF5 | 208-230/3/60 | 21.5 | 156.0 | 1 | 3.5 | 30.3 | 50.0 | 10 | 30 | 40.3 | 60 |
| BCH0060LDACY | YF15KAE-TFD | 460/3/60 | 8.0 | 75.0 | 1 | 1.9 | 15.0 | 15.0 | 9 | 23 | 28.8 | 30 |

**Notes:**
b. Power supplied by customer
c. Per UL and NEC, RLA values have been calculated by dividing the Maximum Continuous Current (MCC) by 1.56.
d. Unless otherwise noted, model is available for 50 Hz. Consult factory for details.

# A1 ELECTRICAL DATA

## Low Temperature Models - Copeland Scroll Compressors

| Model | Compressor | Power[d] | Compressor | | Condenser | | Air Defrost or Remote Controller | | Remote Loads | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | RLA[c] | LRA | No. Fans | FLA | MCA | MOPD | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost MCA | Electric Defrost MOPD |
| BC*0006LBACZ | ZF03KAE-PFV | 208-230/1/60 | 5.4 | 42.3 | 1 | 0.5 | 15.0 | 15.0 | 5 | 15 | 20 | 20 |
| BC*0006LCACZ | ZF03KAE-TF5 | 208-230/3/60 | 3.7 | 31.7 | 1 | 0.5 | 15.0 | 15.0 | 5 | 15 | 20 | 20 |
| BC*0008LBBCZ | ZF04KAE-PFV | 208-230/1/60 | 6.6 | 40.3 | 1 | 0.5 | 15.0 | 15.0 | 5 | 15 | 20 | 20 |
| BC*0008LCBCZ | ZF04KAE-TF5 | 208-230/3/60 | 6.0 | 55.4 | 1 | 0.5 | 15.0 | 15.0 | 5 | 15 | 20 | 20 |
| BC*0008LDBCZ | ZF04KAE-TFD | 460/3/60 | 3.0 | 28.0 | 1 | 0.5 | 15.0 | 15.0 | 5 | 15 | 20 | 20 |
| BC*0010LBBCZ | ZF05KAE-PFV | 208-230/1/60 | 7.8 | 55.0 | 1 | 0.5 | 15.0 | 15.0 | 5 | 15 | 20 | 20 |
| BC*0010LCBCZ | ZF05KAE-TF5 | 208-230/3/60 | 6.6 | 58.0 | 1 | 0.5 | 15.0 | 15.0 | 5 | 15 | 20 | 20 |
| BC*0010LDBCZ | ZF05KAE-TFD | 460/3/60 | 2.9 | 28.0 | 1 | 0.5 | 15.0 | 15.0 | 5 | 15 | 20 | 20 |
| BC*0018LBBCZ | ZF06KAE-PFV | 208-230/1/60 | 12.2 | 68.0 | 1 | 0.5 | 20.0 | 25.0 | 5 | 15 | 20.8 | 30 |
| BC*0018LCBCZ | ZF06KAE-TF5 | 208-230/3/60 | 7.4 | 58.0 | 1 | 0.5 | 15.0 | 15.0 | 5 | 15 | 20 | 20 |
| BC*0018LDBCZ | ZF06KAE-TFD | 460/3/60 | 3.7 | 28.0 | 1 | 0.5 | 15.0 | 15.0 | 5 | 15 | 20 | 20 |
| BC*0022LBBCZ | ZF07KAE-PFV | 208-230/1/60 | 12.4 | 75.0 | 1 | 0.5 | 20.0 | 25.0 | 5 | 15 | 21 | 30 |
| BC*0022LCBCZ | ZF07KAE-TF5 | 208-230/3/60 | 7.8 | 58.0 | 1 | 0.5 | 15.0 | 15.0 | 5 | 15 | 20 | 20 |
| BC*0022LDBCZ | ZF07KAE-TFD | 460/3/60 | 3.6 | 28.0 | 1 | 0.5 | 15.0 | 15.0 | 5 | 15 | 20 | 20 |
| BC*0025LBACZ | ZF08K4E-PFV | 208-230/1/60 | 14.7 | 73.0 | 2 | 1 | 20.0 | 30.0 | 10 | 30 | 37.5 | 40 |
| BC*0025LCACZ | ZF08K4E-TF5 | 208-230/3/60 | 8.7 | 63.0 | 2 | 1 | 15.0 | 20.0 | 9 | 23 | 28.8 | 30 |
| BC*0025LDACZ | ZF08K4E-TFD | 460/3/60 | 4.5 | 31.0 | 2 | 1 | 15.0 | 15.0 | b | b | 15 | 15 |
| BC*0030LBACZ | ZF09K4E-PFV | 208-230/1/60 | 12.8 | 88.0 | 2 | 1 | 20.0 | 25.0 | 10 | 30 | 37.5 | 40 |
| BC*0030LCBCZ | ZF09K4E-TF5 | 208-230/3/60 | 9.9 | 77.0 | 2 | 1 | 15.0 | 20.0 | 9 | 23 | 28.8 | 30 |
| BC*0030LDBCZ | ZF09K4E-TFD | 460/3/60 | 4.5 | 39.0 | 2 | 1 | 15.0 | 15.0 | b | b | 15 | 15 |
| BC*0030LEBCZ | ZF09K4E-TFE | 575/3/60 | 3.5 | 31 | 2 | 1 | 15.0 | 15.0 | b | b | 15 | 15 |
| BC*0035LBACZ | ZF11K4E-PFV | 208-230/1/60 | 16.3 | 109.0 | 2 | 1 | 21.4 | 35.0 | 10 | 30 | 37.5 | 45 |
| BC*0035LCBCZ | ZF11K4E-TF5 | 208-230/3/60 | 12.2 | 88.0 | 2 | 1 | 20.0 | 25.0 | 9 | 23 | 28.8 | 35 |
| BC*0035LDBCZ | ZF11K4E-TFD | 460/3/60 | 5.8 | 44.0 | 2 | 1 | 15.0 | 15.0 | b | b | 15 | 15 |
| BC*0035LEBCZ | ZF11K4E-TFE | 575/3/60 | 4.2 | 34 | 2 | 1 | 15.0 | 15.0 | b | b | 15 | 15 |
| BC*0045LBBCZ | ZF13K4E-PFV | 208-230/1/60 | 24.0 | 129.0 | 1 | 3.5 | 33.5 | 50.0 | 10 | 30 | 43.5 | 60 |
| BC*0045LCBCZ | ZF13K4E-TF5 | 208-230/3/60 | 11.9 | 99.0 | 1 | 3.5 | 20.0 | 30.0 | 10 | 30 | 37.5 | 40 |
| BC*0045LDBCZ | ZF13K4E-TFD | 460/3/60 | 6.4 | 49.5 | 1 | 1.9 | 15.0 | 15.0 | 9 | 23 | 28.8 | 30 |
| BC*0045LEBCZ | ZF13K4E-TFE | 575/3/60 | 6.4 | 39.6 | 1 | 1.4 | 15.0 | 15.0 | 7 | 18 | 23 | 25 |
| BC*0055LBBCZ | ZF15K4E-PFV | 208-230/1/60 | 24.7 | 169.0 | 1 | 3.5 | 34.3 | 50.0 | 10 | 30 | 44.3 | 60 |
| BC*0055LCBCZ | ZF15K4E-TF5 | 208-230/3/60 | 17.0 | 123.0 | 1 | 3.5 | 24.7 | 40.0 | 10 | 30 | 37.5 | 50 |
| BC*0055LDBCZ | ZF15K4E-TFD | 460/3/60 | 8.7 | 62.0 | 1 | 1.9 | 15.0 | 20.0 | 9 | 23 | 28.8 | 30 |
| BC*0055LEBCZ | ZF15K4E-TFE | 575/3/60 | 5.8 | 50 | 1 | 1.4 | 15.0 | 15.0 | 7 | 18 | 23 | 25 |
| BC*0060LCACZ | ZF18K4E-TF5 | 208-230/3/60 | 21.5 | 156.0 | 1 | 3.5 | 30.3 | 50.0 | 10 | 30 | 40.3 | 60 |
| BC*0060LDACZ | ZF18K4E-TFD | 460/3/60 | 8.0 | 75.0 | 1 | 1.9 | 15.0 | 15.0 | 9 | 23 | 28.8 | 30 |
| BC*0060LEACZ | ZF18K4E-TFE | 575/3/60 | 7.1 | 54 | 1 | 1.4 | 15.0 | 15.0 | 7 | 18 | 23 | 25 |

**Notes:**
b. Power supplied by customer
c. Per UL and NEC, RLA values have been calculated by dividing the Maximum Continuous Current (MCC) by 1.56.
d. Unless otherwise noted, model is available for 50 Hz. Consult factory for details.

# A2L AWEF DATA – MEDIUM TEMPERATURE

## Copeland Scroll 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 | R-454A | R-454C | R-455A |
| BCH0005MBACY | 7.6 | 7.6 | 7.6 | — | 7.6 | — | 7.6 | 7.6 | 7.6 |
| BCH0005MCACY | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 |
| BCH0008MBACY | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 |
| BCH0008MCACY | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 |
| BCH0009MBACY | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 |
| BCH0009MCACY | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 |
| BCH0010MBACY | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 |
| BCH0010MCACY | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 |
| BCH0010MDACY | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 |
| BCH0012MBACY | 7.6 | 7.6 | 7.6 | 7.6 | — | 7.6 | 7.6 | 7.6 | 7.6 |
| BCH0012MCACY | 7.6 | 7.6 | 7.6 | 7.6 | — | 7.6 | 7.6 | 7.6 | 7.6 |
| BCH0012MDACY | 7.6 | 7.6 | 7.6 | 7.6 | — | 7.6 | 7.6 | 7.6 | 7.6 |
| BCH0015MBACY | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 |
| BCH0015MCACY | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 |
| BCH0015MDACY | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 |
| BCH0015MEACY | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 |
| BCH0020MBACY | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 |
| BCH0020MCACY | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 |
| BCH0020MDACY | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 |
| BCH0020MEACY | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 |
| BCH0025MBACY | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 |
| BCH0025MCACY | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 |
| BCH0025MDACY | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 |
| BCH0025MEACY | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 |
| BCH0027MBACY | 7.6 | 7.6 | 7.6 | 7.6 | — | 7.6 | 7.6 | 7.6 | 7.6 |
| BCH0027MCACY | 7.6 | 7.6 | 7.6 | 7.6 | — | 7.6 | 7.6 | 7.6 | 7.6 |
| BCH0027MDACY | 7.6 | 7.6 | 7.6 | 7.6 | — | 7.6 | 7.6 | 7.6 | 7.6 |
| BCH0027MEACY | 7.6 | 7.6 | 7.6 | 7.6 | — | 7.6 | 7.6 | 7.6 | 7.6 |
| BCH0030MBACY | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 |
| BCH0030MCACY | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 |
| BCH0030MDACY | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 |
| BCH0030MEACY | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 |
| BCH0035MBACY | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 |
| BCH0035MCACY | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 |
| BCH0035MDACY | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 |
| BCH0035MEACY | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 |
| BCH0045MBACY | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 |
| BCH0045MCACY | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 |

**Notes:**
X = model not suitable for this refrigerant
— = model is not DOE AWEF compliant

# A2L AWEF DATA – MEDIUM TEMPERATURE

## Copeland Scroll 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 | R-454A | R-454C | R-455A |
| BCH0045MDACY | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 |
| BCH0045MEACY | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 |
| BCH0050MBACY | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 |
| BCH0050MCACY | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 |
| BCH0050MDACY | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 |
| BCH0050MEACY | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 |
| BCH0055MBACY | 7.6 | — | — | 7.6 | 7.6 | 7.6 | — | — | — |
| BCH0055MCACY | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 |
| BCH0055MDACY | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 |
| BCH0055MEACY | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 |
| BCH0060MCACY | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 |
| BCH0060MDACY | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 |
| BCH0060MEACY | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 |

**Notes:**
X = model not suitable for this refrigerant
— = model is not DOE AWEF compliant

# A1 AWEF DATA – MEDIUM TEMPERATURE

## Copeland Scroll Compressor Models - Indoor/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 | Indoor | | | | | | Outdoor | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | R-404A/ R-507A | R-448A | R-449A | R-407A | R-407C | R-407F | R-404A/ R-507A | R-448A | R-449A | R-407A | R-407C | R-407F |
| BC*0005MBACZ | — | — | — | — | — | X | 7.60 | 7.60 | 7.60 | — | 7.60 | X |
| BC*0005MCACZ | — | — | — | — | — | X | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | X |
| BC*0008MBACZ | — | — | — | — | — | X | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | X |
| BC*0008MCACZ | — | — | — | — | — | X | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | X |
| BC*0009MBACZ | — | — | — | — | — | X | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | X |
| BC*0009MCACZ | — | — | — | — | — | X | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | X |
| BC*0010MBACZ | — | — | — | — | — | X | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | X |
| BC*0010MCACZ | — | — | — | — | — | X | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | X |
| BC*0010MDACZ | — | — | — | — | — | X | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | X |
| BC*0012MBACZ | 5.61 | — | — | — | X | X | 7.60 | 7.60 | 7.60 | 7.60 | X | X |
| BC*0012MCACZ | 5.61 | — | — | — | X | X | 7.60 | 7.60 | 7.60 | 7.60 | X | X |
| BC*0012MDACZ | 5.61 | — | — | — | X | X | 7.60 | 7.60 | 7.60 | 7.60 | X | X |
| BC*0015MBACZ | 5.61 | — | — | — | X | X | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | X |
| BC*0015MCACZ | 5.61 | — | — | — | — | X | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | X |
| BC*0015MDACZ | 5.61 | — | — | — | — | X | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | X |
| BC*0015MEACZ | 5.61 | — | — | — | — | X | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | X |
| BC*0020MBACZ | 5.61 | — | — | — | 5.61 | X | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | X |
| BC*0020MCACZ | 5.61 | — | — | — | 5.61 | X | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | X |
| BC*0020MDACZ | 5.61 | — | — | — | 5.61 | X | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | X |
| BC*0020MEACZ | 5.61 | — | — | — | 5.61 | X | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | X |
| BC*0025MBACZ | 5.61 | — | — | — | — | X | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | X |
| BC*0025MCACZ | 5.61 | — | — | — | — | X | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | X |
| BC*0025MDACZ | 5.61 | — | — | — | — | X | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | X |
| BC*0025MEACZ | 5.61 | — | — | — | — | X | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | X |
| BC*0027MBACZ | 5.61 | 5.61 | 5.61 | 5.61 | X | X | 7.60 | 7.60 | 7.60 | 7.60 | X | X |
| BC*0027MCACZ | 5.61 | 5.61 | 5.61 | 5.61 | X | X | 7.60 | 7.60 | 7.60 | 7.60 | X | X |
| BC*0027MDACZ | 5.61 | 5.61 | 5.61 | 5.61 | X | X | 7.60 | 7.60 | 7.60 | 7.60 | X | X |
| BC*0027MEACZ | 5.61 | 5.61 | 5.61 | 5.61 | X | X | 7.60 | 7.60 | 7.60 | 7.60 | X | X |
| BC*0030MBACZ | 5.61 | 5.61 | 5.61 | 5.61 | 5.61 | X | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | X |
| BC*0030MCACZ | 5.61 | 5.61 | 5.61 | 5.61 | 5.61 | X | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | X |
| BC*0030MDACZ | 5.61 | 5.61 | 5.61 | 5.61 | 5.61 | X | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | X |
| BC*0030MEACZ | 5.61 | 5.61 | 5.61 | 5.61 | 5.61 | X | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | X |
| BC*0035MBACZ | 5.61 | 5.61 | 5.61 | 5.61 | 5.61 | X | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | X |
| BC*0035MCACZ | 5.61 | 5.61 | 5.61 | 5.61 | 5.61 | X | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | X |
| BC*0035MDACZ | 5.61 | 5.61 | 5.61 | 5.61 | 5.61 | X | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | X |
| BC*0035MEACZ | 5.61 | 5.61 | 5.61 | 5.61 | 5.61 | X | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | X |
| BC*0045MBACZ | 5.61 | 5.61 | 5.61 | 5.61 | 5.61 | X | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | X |
| BC*0045MCACZ | 5.61 | 5.61 | 5.61 | 5.61 | 5.61 | X | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | X |
| BC*0045MDACZ | 5.61 | 5.61 | 5.61 | 5.61 | 5.61 | X | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | X |
| BC*0045MEACZ | 5.61 | 5.61 | 5.61 | 5.61 | 5.61 | X | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | X |

**Notes:**
X = model not suitable for this refrigerant
— = model is not DOE AWEF compliant

# AWEF DATA – MEDIUM TEMPERATURE

## Copeland Scroll Compressor Models - Indoor/Outdoor (Cont.)

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 | Indoor | | | | | | Outdoor | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | R-404A/ R-507A | R-448A | R-449A | R-407A | R-407C | R-407F | R-404A/ R-507A | R-448A | R-449A | R-407A | R-407C | R-407F |
| BC*0050MBACZ | 5.61 | — | — | — | 5.61 | X | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | X |
| BC*0050MCACZ | 5.61 | — | — | — | 5.61 | X | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | X |
| BC*0050MDACZ | 5.61 | — | — | — | 5.61 | X | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | X |
| BC*0050MEACZ | 5.61 | — | — | — | 5.61 | X | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | X |
| BC*0055MBACZ | 5.61 | — | — | — | 5.61 | X | 7.60 | — | — | 7.60 | 7.60 | X |
| BC*0055MCACZ | 5.61 | — | — | — | 5.61 | X | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | X |
| BC*0055MDACZ | 5.61 | — | — | — | 5.61 | X | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | X |
| BC*0055MEACZ | 5.61 | — | — | — | 5.61 | X | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | X |
| BC*0060MCACZ | 5.61 | — | — | — | 5.61 | X | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | X |
| BC*0060MDACZ | 5.61 | — | — | — | 5.61 | X | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | X |
| BC*0060MEACZ | 5.61 | — | — | — | 5.61 | X | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | X |

**Notes:**
X = model not suitable for this refrigerant
— = model is not DOE AWEF compliant

# A1 AWEF DATA – MEDIUM TEMPERATURE

## LG Scroll Compressor Models - Indoor/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 | Indoor | | | | | | Outdoor | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | R-404A/ R-507A | R-448A | R-449A | R-407A | R-407C | R-407F | R-404A/ R-507A | R-448A | R-449A | R-407A | R-407C | R-407F |
| BC*0010MBALZ | — | — | — | — | — | X | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | X |
| BC*0010MCALZ | — | — | — | — | — | X | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | X |
| BC*0010MDALZ | — | — | — | — | — | X | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | X |
| BC*0015MBALZ | 5.61 | — | — | — | — | X | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | X |
| BC*0015MCALZ | 5.61 | — | — | — | — | X | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | X |
| BC*0015MDALZ | 5.61 | — | — | — | — | X | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | X |
| BC*0020MBALZ | 5.61 | — | — | — | 5.61 | X | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | X |
| BC*0020MCALZ | 5.61 | — | — | — | 5.61 | X | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | X |
| BC*0020MDALZ | 5.61 | — | — | — | 5.61 | X | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | X |
| BC*0025MBALZ | 5.61 | — | — | — | — | X | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | X |
| BC*0025MCALZ | 5.61 | — | — | — | — | X | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | X |
| BC*0025MDALZ | 5.61 | — | — | — | — | X | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | X |
| BC*0030MBALZ | 5.61 | 5.61 | 5.61 | 5.61 | 5.61 | X | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | X |
| BC*0030MCALZ | 5.61 | 5.61 | 5.61 | 5.61 | 5.61 | X | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | X |
| BC*0030MDALZ | 5.61 | 5.61 | 5.61 | 5.61 | 5.61 | X | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | X |
| BC*0035MBALZ | 5.61 | 5.61 | 5.61 | 5.61 | 5.61 | X | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | X |
| BC*0035MCALZ | 5.61 | 5.61 | 5.61 | 5.61 | 5.61 | X | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | X |
| BC*0035MDALZ | 5.61 | 5.61 | 5.61 | 5.61 | 5.61 | X | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | X |
| BC*0045MBALZ | 5.61 | 5.61 | 5.61 | 5.61 | 5.61 | X | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | X |
| BC*0045MCALZ | 5.61 | 5.61 | 5.61 | 5.61 | 5.61 | X | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | X |
| BC*0045MDALZ | 5.61 | 5.61 | 5.61 | 5.61 | 5.61 | X | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | X |
| BC*0050MBALZ | 5.61 | — | — | — | 5.61 | X | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | X |
| BC*0050MCALZ | 5.61 | — | — | — | 5.61 | X | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | X |
| BC*0050MDALZ | 5.61 | — | — | — | 5.61 | X | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | X |
| BC*0055MBALZ | 5.61 | — | — | — | 5.61 | X | 7.60 | — | — | 7.60 | 7.60 | X |
| BC*0055MCALZ | 5.61 | — | — | — | 5.61 | X | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | X |
| BC*0055MDALZ | 5.61 | — | — | — | 5.61 | X | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | X |
| BC*0060MCALZ | 5.61 | — | — | — | 5.61 | X | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | X |
| BC*0060MDALZ | 5.61 | — | — | — | 5.61 | X | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | X |

**Notes:**
X = model not suitable for this refrigerant
— = model is not DOE AWEF compliant

# A2L AWEF DATA – LOW TEMPERATURE

## Copeland Scroll 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 | R-454A | R-454C | R-455A |
| BCH0006LBACY | 2.88 | 2.87 | 2.87 | 2.87 | — | 2.87 | 2.87 | 2.87 | 2.87 |
| BCH0006LCACY | 2.88 | 2.87 | 2.87 | 2.87 | — | 2.87 | 2.87 | 2.87 | 2.87 |
| BCH0008LBACY | — | — | — | — | — | — | — | — | — |
| BCH0008LCACY | 2.93 | 2.9 | 2.9 | 2.91 | 2.89 | 2.91 | 2.9 | 2.9 | 2.9 |
| BCH0008LDACY | 2.93 | 2.9 | 2.9 | 2.91 | 2.89 | 2.91 | 2.9 | 2.9 | 2.9 |
| BCH0010LBACY | 2.98 | 2.94 | 2.94 | 2.94 | 2.92 | 2.94 | 2.94 | 2.94 | 2.94 |
| BCH0010LCACY | 2.98 | 2.94 | 2.94 | 2.94 | 2.92 | 2.94 | 2.94 | 2.94 | 2.94 |
| BCH0010LDACY | 2.98 | 2.94 | 2.94 | 2.94 | 2.92 | 2.94 | 2.94 | 2.94 | 2.94 |
| BCH0018LBACY | 3.05 | — | — | 3.02 | — | 3.02 | — | — | — |
| BCH0018LCACY | 3.04 | 3.01 | 3.01 | 3.02 | 2.98 | 3.02 | 3.01 | 3.01 | 3.01 |
| BCH0018LDACY | 3.04 | 3.01 | 3.01 | 3.02 | 2.98 | 3.02 | 3.01 | 3.01 | 3.01 |
| BCH0022LBACY | 3.1 | 3.04 | 3.04 | 3.06 | 3.02 | 3.06 | 3.04 | 3.04 | 3.04 |
| BCH0022LCACY | 3.1 | 3.04 | 3.04 | 3.06 | 3.02 | 3.06 | 3.04 | 3.04 | 3.04 |
| BCH0022LDACY | 3.1 | 3.04 | 3.04 | 3.06 | 3.02 | 3.06 | 3.04 | 3.04 | 3.04 |
| BCH0025LBACY | 3.15 | 3.13 | 3.13 | — | — | — | 3.13 | 3.13 | 3.13 |
| BCH0025LCACY | 3.15 | 3.12 | 3.12 | 3.13 | — | 3.13 | 3.12 | 3.12 | 3.12 |
| BCH0025LDACY | 3.15 | 3.12 | 3.12 | 3.13 | — | 3.13 | 3.12 | 3.12 | 3.12 |
| BCH0030LBACY | 3.15 | 3.15 | 3.15 | 3.14 | 3.1 | 3.14 | 3.15 | 3.15 | 3.15 |
| BCH0030LCACY | 3.15 | 3.15 | 3.15 | 3.15 | 3.13 | 3.15 | 3.15 | 3.15 | 3.15 |
| BCH0030LDACY | 3.15 | 3.15 | 3.15 | 3.15 | 3.13 | 3.15 | 3.15 | 3.15 | 3.15 |
| BCH0030LEACY | 3.15 | 3.15 | 3.15 | 3.15 | 3.13 | 3.15 | 3.15 | 3.15 | 3.15 |
| BCH0035LBACY | 3.15 | 3.15 | 3.15 | — | 3.15 | — | 3.15 | 3.15 | 3.15 |
| BCH0035LCACY | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 |
| BCH0035LDACY | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 |
| BCH0035LEACY | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 |
| BCH0045LBACY | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 |
| BCH0045LCACY | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 |
| BCH0045LDACY | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 |
| BCH0045LEACY | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 |
| BCH0055LBACY | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 |
| BCH0055LCACY | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 |
| BCH0055LDACY | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 |
| BCH0055LEACY | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 |
| BCH0060LCACY | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 |
| BCH0060LDACY | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 |
| BCH0060LEACY | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 |

**Notes:**
X = model not suitable for this refrigerant
— = model is not DOE AWEF compliant

# A1 AWEF DATA – LOW TEMPERATURE

## Copeland Scroll Models - Indoor/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 | Indoor | | | | | | Outdoor | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | R-404A/ R-507A | R-448A | R-449A | R-407A | R-407C | R-407F | R-404A/ R-507A | R-448A | R-449A | R-407A | R-407C | R-407F |
| BC*0006LBACZ | 2.04 | — | — | — | — | 2.01 | 2.88 | 2.87 | 2.87 | 2.87 | — | 2.87 |
| BC*0006LCACZ | 2.04 | — | — | — | — | 2.01 | 2.88 | 2.87 | 2.87 | 2.87 | — | 2.87 |
| BC*0008LBBCZ | — | — | — | — | — | — | — | — | — | — | — | — |
| BC*0008LCBCZ | — | — | — | — | — | 2.07 | 2.93 | 2.92 | 2.92 | — | — | — |
| BC*0008LDBCZ | — | — | — | — | — | 2.07 | 2.93 | 2.92 | 2.92 | — | — | — |
| BC*0010LBBCZ | 2.16 | — | — | — | — | — | 2.97 | 2.95 | 2.92 | — | — | — |
| BC*0010LCBCZ | — | — | — | — | — | — | 2.97 | 2.95 | 2.95 | — | — | — |
| BC*0010LDBCZ | — | — | — | — | — | — | 2.97 | 2.95 | 2.95 | — | — | — |
| BC*0018LBBCZ | — | — | — | — | — | — | 3.05 | — | — | — | — | 3.02 |
| BC*0018LCBCZ | — | — | — | — | — | — | 3.04 | — | 3.01 | — | 2.98 | 3.02 |
| BC*0018LDBCZ | — | — | — | — | — | — | 3.04 | — | 3.01 | — | 2.98 | 3.02 |
| BC*0022LBBCZ | — | — | — | — | — | — | 3.09 | 3.07 | 3.07 | — | — | — |
| BC*0022LCBCZ | — | — | — | — | — | — | 3.09 | 3.07 | 3.07 | — | — | — |
| BC*0022LDBCZ | — | — | — | — | — | — | 3.09 | 3.07 | 3.07 | — | — | — |
| BC*0025LBACZ | — | — | — | X | X | X | 3.15 | 3.14 | 3.13 | X | X | X |
| BC*0025LCACZ | — | — | — | — | X | — | 3.15 | 3.12 | 3.12 | 3.13 | X | 3.14 |
| BC*0025LDACZ | — | — | — | — | X | — | 3.15 | 3.12 | 3.12 | 3.13 | X | 3.14 |
| BC*0030LBACZ | 2.40 | — | — | — | — | X | 3.15 | 3.15 | 3.15 | 3.14 | 3.10 | X |
| BC*0030LCBCZ | 2.40 | — | — | — | — | — | 3.15 | 3.15 | 3.15 | 3.15 | 3.13 | 3.15 |
| BC*0030LDBCZ | 2.40 | — | — | — | — | — | 3.15 | 3.15 | 3.15 | 3.15 | 3.13 | 3.15 |
| BC*0030LEBCZ | 2.40 | — | — | — | — | — | 3.15 | 3.15 | 3.15 | 3.15 | 3.13 | 3.15 |
| BC*0035LBACZ | — | — | — | — | — | X | 3.15 | 3.15 | 3.15 | — | 3.15 | X |
| BC*0035LCBCZ | 2.40 | — | — | — | — | — | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 |
| BC*0035LDBCZ | 2.40 | — | — | — | — | — | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 |
| BC*0035LEBCZ | 2.40 | — | — | — | — | — | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 |
| BC*0045LBBCZ | 2.40 | — | — | — | 2.40 | X | 3.15 | 3.15 | 3.15 | 3.15 | — | X |
| BC*0045LCBCZ | 2.40 | — | — | — | — | 2.40 | 3.15 | 3.15 | 3.15 | 3.15 | — | 3.15 |
| BC*0045LDBCZ | 2.40 | — | — | — | — | 2.40 | 3.15 | 3.15 | 3.15 | 3.15 | — | 3.15 |
| BC*0045LEBCZ | 2.40 | — | — | — | — | 2.40 | 3.15 | 3.15 | 3.15 | 3.15 | — | 3.15 |
| BC*0055LBBCZ | 2.40 | — | — | — | — | X | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | X |
| BC*0055LCBCZ | 2.40 | — | — | — | — | — | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 |
| BC*0055LDBCZ | 2.40 | — | — | — | — | — | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 |
| BC*0055LEBCZ | 2.40 | — | — | — | — | — | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 |
| BC*0060LCACZ | 2.40 | — | — | — | — | — | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 |
| BC*0060LDACZ | 2.40 | — | — | — | — | — | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 |
| BC*0060LEACZ | 2.40 | — | — | — | — | — | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 |

**Notes:**
*H = Outdoor, N = Indoor models only available as model Rev A
X = model not suitable for this refrigerant
— = model is not DOE AWEF compliant

# PERFORMANCE DATA – R-404A/R-507A

## Medium Temperature Models - Hermetic Compressors

Please consult AWEF table on page 37 to confirm DOE compliance per model

| 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 |
| BC*0015M^ACH | CS10K6E | 22,420 | 20,290 | 17,340 | 15,690 | 14,090 | 12,510 | 11,000 | 8,200 |
| BC*0020M^ACH | CS12K6E | 24,730 | 22,550 | 19,860 | 17,980 | 16,170 | 14,440 | 12,750 | 9,680 |
| BC*0025M^ACH | CS14K6E | 28,250 | 25,860 | 21,940 | 20,080 | 18,240 | 16,430 | 14,660 | 11,310 |
| BC*0030M^ACH | CS18K6E | — | — | 30,800 | 28,030 | 25,280 | 22,560 | 19,930 | 14,980 |
| BC*0032M^ACH | CS20K6E | 43,580 | 39,640 | 35,610 | 31,610 | 27,970 | 24,650 | 21,700 | 16,650 |

| 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 |
| **BC*0015M^ACH** | **CS10K6E** | **21,190** | **19,160** | **16,290** | **14,730** | **13,170** | **11,690** | **10,260** | **7,590** |
| **BC*0020M^ACH** | **CS12K6E** | **23,440** | **21,320** | **18,720** | **16,930** | **15,200** | **13,520** | **11,920** | **8,990** |
| **BC*0025M^ACH** | **CS14K6E** | **26,710** | **24,420** | **20,680** | **18,920** | **17,170** | **15,460** | **13,790** | **10,600** |
| **BC*0030M^ACH** | **CS18K6E** | **—** | **—** | **29,010** | **26,370** | **23,710** | **21,140** | **18,630** | **13,930** |
| **BC*0032M^ACH** | **CS20K6E** | **41,360** | **37,580** | **33,440** | **29,630** | **26,110** | **23,000** | **20,190** | **15,400** |

Not Available For Ordering

| 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 |
| BC*0015M^ACH | CS10K6E | 19,960 | 18,030 | 15,210 | 13,740 | 12,290 | 10,880 | 9,520 | 6,990 |
| BC*0020M^ACH | CS12K6E | 22,120 | 20,100 | 17,600 | 15,890 | 14,200 | 12,620 | 11,100 | 8,300 |
| BC*0025M^ACH | CS14K6E | 25,330 | 23,040 | 19,410 | 17,760 | 16,110 | 14,500 | 12,890 | 9,890 |
| BC*0030M^ACH | CS18K6E | — | — | 27,220 | 24,660 | 22,170 | 19,720 | 17,340 | 12,880 |
| BC*0032M^ACH | CS20K6E | 39,130 | 35,520 | 31,300 | 27,620 | 24,330 | 21,380 | 18,710 | 14,170 |

| 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 |
| BC*0015M^ACH | CS10K6E | 17,540 | 15,760 | 13,150 | 11,830 | 10,530 | 9,270 | 8,040 | 5,770 |
| BC*0020M^ACH | CS12K6E | 19,500 | 17,680 | 15,320 | 13,780 | 12,280 | 10,840 | 9,470 | 6,960 |
| BC*0025M^ACH | CS14K6E | 22,370 | 20,390 | 16,850 | 15,400 | 13,950 | 12,530 | 11,130 | 8,470 |
| BC*0030M^ACH | CS18K6E | — | — | 23,600 | 21,350 | 19,120 | 16,940 | 14,810 | 10,870 |
| BC*0032M^ACH | CS20K6E | 34,660 | 31,380 | 27,100 | 23,850 | 20,890 | 18,240 | 15,840 | 11,770 |

**Notes:**
* H = Outdoor, N = Indoor
^ B = 208-230/1/60, C = 208-230/3/60, D = 460/3/60

These models are no longer available for ordering, information provided for reference only

# PERFORMANCE DATA – R-448A/R-449A

## Medium Temperature Models - Hermetic Compressors

Please consult AWEF table on page 37 to confirm DOE compliance per model

| 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 |
| BC*0015M^ACH | CS10K6E | — | — | 15,900 | 14,040 | 12,300 | 10,670 | 9,140 | 6,480 |
| BC*0020M^ACH | CS12K6E | — | — | 17,470 | 15,360 | 13,460 | 11,680 | 10,030 | 7,230 |
| BC*0025M^ACH | CS14K6E | — | — | 19,860 | 17,650 | 15,450 | 13,460 | 11,570 | 8,350 |
| BC*0030M^ACH | CS18K6E | — | — | 27,040 | 23,940 | 21,080 | 18,450 | 16,010 | 11,610 |
| BC*0032M^ACH | CS20K6E | — | — | 30,330 | 27,140 | 24,110 | 21,280 | 18,620 | 13,660 |

| 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 |
| **BC*0015M^ACH** | **CS10K6E** | **—** | **—** | **14,990** | **13,220** | **11,540** | **9,960** | **8,510** | **5,950** |
| **BC*0020M^ACH** | **CS12K6E** | **—** | **—** | **16,490** | **14,550** | **12,700** | **10,990** | **9,420** | **6,770** |
| **BC*0025M^ACH** | **CS14K6E** | **—** | **—** | **18,820** | **16,640** | **14,600** | **12,660** | **10,860** | **7,860** |
| **BC*0030M^ACH** | **CS18K6E** | **—** | **—** | **25,560** | **22,590** | **19,850** | **17,330** | **15,000** | **10,790** |
| **BC*0032M^ACH** | **CS20K6E** | **—** | **—** | **28,810** | **25,760** | **22,840** | **20,110** | **17,530** | **12,720** |

Not Available For Ordering

| 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 |
| BC*0015M^ACH | CS10K6E | — | — | 14,100 | 12,400 | 10,800 | 9,280 | 7,890 | 5,430 |
| BC*0020M^ACH | CS12K6E | — | — | 15,550 | 13,700 | 11,930 | 10,300 | 8,800 | 6,340 |
| BC*0025M^ACH | CS14K6E | — | — | 17,780 | 15,680 | 13,730 | 11,880 | 10,170 | 7,400 |
| BC*0030M^ACH | CS18K6E | — | — | 24,120 | 21,280 | 18,650 | 16,250 | 14,000 | 9,990 |
| BC*0032M^ACH | CS20K6E | — | — | 27,360 | 24,370 | 21,570 | 18,940 | 16,440 | 11,770 |

| 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 |
| BC*0015M^ACH | CS10K6E | — | — | 12,340 | 10,770 | 9,300 | 7,940 | 6,670 | 4,430 |
| BC*0020M^ACH | CS12K6E | — | — | 13,730 | 12,010 | 10,390 | 8,930 | 7,620 | 5,510 |
| BC*0025M^ACH | CS14K6E | — | — | 15,720 | 13,840 | 12,040 | 10,370 | 8,870 | 6,610 |
| BC*0030M^ACH | CS18K6E | — | — | 21,420 | 18,820 | 16,430 | 14,250 | 12,200 | 8,560 |
| BC*0032M^ACH | CS20K6E | — | — | 24,390 | 21,640 | 19,040 | 16,610 | 14,250 | 9,870 |

**Notes:**
* H = Outdoor, N = Indoor
^ B = 208-230/1/60, C = 208-230/3/60, D = 460/3/60

These models are no longer available for ordering, information provided for reference only

# PERFORMANCE DATA – R-407A

## Medium Temperature Models - Hermetic Compressors

Please consult AWEF table on page 37 to confirm DOE compliance per model

| R-407A | | 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 |
| BC*0015M^ACH | CS10K6E | — | — | 15,940 | 14,130 | 12,440 | 10,860 | 9,370 | 6,750 |
| BC*0020M^ACH | CS12K6E | — | — | 17,630 | 15,680 | 13,810 | 12,060 | 10,420 | 7,510 |
| BC*0025M^ACH | CS14K6E | — | — | 19,910 | 17,740 | 15,640 | 13,680 | 11,830 | 8,570 |
| BC*0030M^ACH | CS18K6E | — | — | 28,190 | 24,630 | 21,410 | 18,530 | 15,900 | 11,430 |
| BC*0032M^ACH | CS20K6E | — | — | 31,100 | 27,570 | 24,300 | 21,340 | 18,610 | 13,690 |

| R-407A | | 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 |
| **BC*0015M^ACH** | **CS10K6E** | **—** | **—** | **15,010** | **13,280** | **11,660** | **10,160** | **8,730** | **6,220** |
| **BC*0020M^ACH** | **CS12K6E** | **—** | **—** | **16,570** | **14,730** | **12,950** | **11,280** | **9,700** | **6,950** |
| **BC*0025M^ACH** | **CS14K6E** | **—** | **—** | **18,790** | **16,680** | **14,720** | **12,840** | **11,080** | **7,990** |
| **BC*0030M^ACH** | **CS18K6E** | **—** | **—** | **26,640** | **23,210** | **20,110** | **17,340** | **14,820** | **10,600** |
| **BC*0032M^ACH** | **CS20K6E** | **—** | **—** | **29,450** | **26,090** | **22,970** | **20,120** | **17,490** | **12,710** |

Not Available For Ordering

| R-407A | | 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 |
| BC*0015M^ACH | CS10K6E | — | — | 14,080 | 12,430 | 10,890 | 9,430 | 8,090 | 5,710 |
| BC*0020M^ACH | CS12K6E | — | — | 15,580 | 13,790 | 12,100 | 10,490 | 9,020 | 6,410 |
| BC*0025M^ACH | CS14K6E | — | — | 17,700 | 15,650 | 13,810 | 12,020 | 10,340 | 7,430 |
| BC*0030M^ACH | CS18K6E | — | — | 25,080 | 21,780 | 18,810 | 16,140 | 13,780 | 9,820 |
| BC*0032M^ACH | CS20K6E | — | — | 27,890 | 24,620 | 21,630 | 18,900 | 16,370 | 11,730 |

| R-407A | | 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 |
| BC*0015M^ACH | CS10K6E | — | — | 12,280 | 10,780 | 9,360 | 8,060 | 6,840 | 4,680 |
| BC*0020M^ACH | CS12K6E | — | — | 13,550 | 11,950 | 10,410 | 9,000 | 7,700 | 5,400 |
| BC*0025M^ACH | CS14K6E | — | — | 15,460 | 13,720 | 12,010 | 10,410 | 8,900 | 6,380 |
| BC*0030M^ACH | CS18K6E | — | — | 21,990 | 18,980 | 16,250 | 13,890 | 11,800 | 8,440 |
| BC*0032M^ACH | CS20K6E | — | — | 24,670 | 21,700 | 18,970 | 16,430 | 14,090 | 9,770 |

**Notes:**
* H = Outdoor, N = Indoor
^ B = 208-230/1/60, C = 208-230/3/60, D = 460/3/60

These models are no longer available for ordering, information provided for reference only

# PERFORMANCE DATA – R-404A/R-507A

## Low Temperature Models - Hermetic Compressors

Please consult AWEF table on page 37 to confirm DOE compliance per model

| 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 |
| BC*0011L^ACH | CF04K6E | 7,700 | 6,660 | 5,690 | 4,830 | 4,040 | 3,320 | 2,670 |
| BC*0014L^ACH | CF06K6E | 11,020 | 9,790 | 8,580 | 7,390 | 6,290 | 5,280 | 4,360 |
| BC*0019L^ACH | CF06K6E | 12,510 | 10,980 | 9,500 | 8,130 | 6,860 | 5,720 | 4,690 |
| BC*0025L^ACH | CF09K6E | 17,180 | 15,230 | 13,390 | 11,620 | 9,980 | 8,440 | 7,010 |
| BC*0031L^ACH | CF12K6E | 20,580 | 18,450 | 16,400 | 14,440 | 12,580 | 10,770 | 9,040 |

| 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 |
| **BC*0011L^ACH** | **CF04K6E** | **7,170** | **6,190** | **5,290** | **4,470** | **3,730** | **3,060** | **2,450** |
| **BC*0014L^ACH** | **CF06K6E** | **10,340** | **9,150** | **8,000** | **6,860** | **5,820** | **4,850** | **3,990** |
| **BC*0019L^ACH** | **CF06K6E** | **11,740** | **10,260** | **8,870** | **7,560** | **6,340** | **5,250** | **4,270** |
| **BC*0025L^ACH** | **CF09K6E** | **16,150** | **14,280** | **12,520** | **10,830** | **9,260** | **7,800** | **6,440** |
| **BC*0031L^ACH** | **CF12K6E** | **19,330** | **17,320** | **15,370** | **13,510** | **11,700** | **9,990** | **8,330** |

Not Available For Ordering

| 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 |
| BC*0011L^ACH | CF04K6E | 6,640 | 5,710 | 4,880 | 4,110 | 3,420 | 2,800 | 2,220 |
| BC*0014L^ACH | CF06K6E | 9,640 | 8,510 | 7,400 | 6,350 | 5,350 | 4,440 | 3,620 |
| BC*0019L^ACH | CF06K6E | 10,950 | 9,560 | 8,230 | 6,990 | 5,840 | 4,800 | 3,870 |
| BC*0025L^ACH | CF09K6E | 15,130 | 13,350 | 11,640 | 10,050 | 8,560 | 7,170 | 5,890 |
| BC*0031L^ACH | CF12K6E | 18,160 | 16,200 | 14,350 | 12,580 | 10,850 | 9,220 | 7,620 |

| 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 |
| BC*0011L^ACH | CF04K6E | 5,540 | 4,750 | 4,030 | 3,370 | 2,780 | 2,250 | 1,780 |
| BC*0014L^ACH | CF06K6E | 8,230 | 7,230 | 6,260 | 5,330 | 4,460 | 3,660 | 2,930 |
| BC*0019L^ACH | CF06K6E | 9,410 | 8,160 | 6,990 | 5,890 | 4,860 | 3,940 | 3,130 |
| BC*0025L^ACH | CF09K6E | 13,130 | 11,490 | 9,970 | 8,540 | 7,200 | 5,960 | 4,820 |
| BC*0031L^ACH | CF12K6E | 15,760 | 14,020 | 12,330 | 10,740 | 9,210 | 7,720 | 6,280 |

**Notes:**
* H = Outdoor, N = Indoor
^ B = 208-230/1/60, C = 208-230/3/60, D = 460/3/60

These models are no longer available for ordering, information provided for reference only

# UNIT SPECIFICATIONS

## Medium & Low Temperature Models - Hermetic Compressors

Please consult AWEF table on page 37 to confirm DOE compliance per model

| Model | Compressor | Refrigerant Line Connections (OD) | | Rec. Capacity @90% full (lbs) | | Cabinet[h] | Dimensions (In.) | | | Net Wt. | Sound Data |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Liquid | Suction | Std | Opt | | Depth | Width | Height | (lbs.) | dBa[a] |
| BC*0015M^ACH | CS10K6E | 1/2 | 7/8 | 14 | 20 | C2 | 28.25 | 39.125 | 19.75 | 213 | 64 |
| BC*0020M^ACH | CS12K6E | 1/2 | 7/8 | 14 | 20 | C2 | 28.25 | 39.125 | 19.75 | 223 | 64 |
| BC*0025M^ACH | CS14K6E | 1/2 | 7/8 | 14 | 20 | C2 | 28.25 | 39.125 | 19.75 | 228 | 64 |
| BC*0030M^ACH | CS18K6E | 1/2 | 7/8 | 20 | 40 | C3 | 30.25 | 43.875 | 29.25 | 300 | 64 |
| BC*0032M^ACH | CS20K6E | 1/2 | 7/8 | 20 | 40 | C3 | 30.25 | 43.875 | 29.25 | 305 | 64 |
| BC*0011L^ACH | CF04K6E | 3/8 | 5/8 | 9 | — | C1 | 28.25 | 24.625 | 19.75 | 154 | 62 |
| BC*0014L^ACH | CF06K6E | 3/8 | 5/8 | 9 | — | C1 | 28.25 | 24.625 | 19.75 | 185 | 62 |
| BC*0019L^ACH | CF06K6E | 1/2 | 7/8 | 14 | 20 | C2 | 28.25 | 39.125 | 19.75 | 220 | 64 |
| BC*0025L^ACH | CF09K6E | 1/2 | 7/8 | 14 | 20 | C2 | 28.25 | 39.125 | 19.75 | 242 | 64 |
| BC*0031L^ACH | CF12K6E | 1/2 | 7/8 | 14 | 20 | C2 | 28.25 | 39.125 | 19.75 | 235 | 64 |

Not Available For Ordering

**Notes:**

* H = Outdoor, N = Indoor

^ B = 208-230/1/60, C = 208-230/3/60, D = 460/3/60

a. Estimated sound pressure values are 10 feet from the unit. For estimating sound pressure from the unit at different distances, deduct the following from the unit values: 20 feet, deduct 6 dBA; for 40 feet, deduct 12 dBA; for 80 feet, deduct 18 dBA. This data is typical of "free field" conditions for horizontal air cooled condensing units at the outlet of the discharge air. The actual sound measurements may vary depending on the condensing unit installation. Factors such as reflecting walls, background noise and mounting conditions may have a significant influence on this data.

h. See Page 39 for dimensional drawings

These models are no longer available for ordering, information provided for reference only

# ELECTRICAL DATA

## Medium & Low Temperature Models - Hermetic Compressors

Please consult AWEF table on page 37 to confirm DOE compliance per model

| Model | Compressor | Power[d] | Compressor | | Condenser | | Air Defrost or Remote Controller | | Remote Loads | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | RLA[c] | LRA | No. Fans | FLA | MCA | MOPD | Evap. Fan Amps | Defrost Htrs. Amps | Electric Defrost MCA | Electric Defrost MOPD |
| BC*0015MBACH | CS10K6E-PFV | 208-230/1/60 | 11.1 | 56.0 | 2 | 1 | 15.0 | 25.0 | 10 | 30 | 37.5 | 40 |
| BC*0015MCACH | CS10K6E-TF5 | 208-230/3/60 | 7.2 | 51.0 | 2 | 1 | 15.0 | 15.0 | 9 | 23 | 28.8 | 30 |
| BC*0020MBACH | CS12K6E-PFV | 208-230/1/60 | 9.8 | 56.0 | 2 | 1 | 15.0 | 20.0 | 10 | 30 | 37.5 | 40 |
| BC*0020MCACH | CS12K6E-TF5 | 208-230/3/60 | 6.7 | 51.0 | 2 | 1 | 15.0 | 15.0 | 9 | 23 | 28.8 | 30 |
| BC*0025MBACH | CS14K6E-PFV | 208-230/1/60 | 12.4 | 61.0 | 2 | 1 | 20.0 | 25.0 | 10 | 30 | 37.5 | 40 |
| BC*0025MCACH | CS14K6E-TF5 | 208-230/3/60 | 8.5 | 55.0 | 2 | 1 | 15.0 | 20.0 | 9 | 23 | 28.8 | 30 |
| BC*0030MBACH | CS18K6E-PFV | 208-230/1/60 | 14.4 | 82.0 | 1 | 3.5 | 21.4 | 35.0 | 10 | 30 | 37.5 | 45 |
| BC*0030MCACH | CS18K6E-TF5 | 208-230/3/60 | 9.4 | 65.5 | 1 | 3.5 | 20.0 | 20.0 | 10 | 30 | 37.5 | 40 |
| BC*0030MDACH | CS18K6E-TFD | 460/3/60 | 4.2 | 33.0 | 1 | 1.9 | 15.0 | 15.0 | 9 | 23 | 28.8 | 30 |
| BC*0032MBACH | CS20K6E-PFV | 208-230/1/60 | 17.9 | 96.0 | 1 | 3.5 | 25.9 | 40.0 | 10 | 30 | 37.5 | 50 |
| BC*0032MCACH | CS20K6E-TF5 | 208-230/3/60 | 13.3 | 75.0 | 1 | 3.5 | 20.2 | 30.0 | 10 | 30 | 37.5 | 40 |
| BC*0032MDACH | CS20K6E-TFD | 460/3/60 | 4.6 | 40.0 | 1 | 1.9 | 15.0 | 15.0 | 9 | 23 | 28.8 | 30 |
| BC*0011LBACH | CF04K6E-PFV | 208-230/1/60 | 8.6 | 59.2 | 1 | 0.5 | 15.0 | 15.0 | 5 | 15 | 20 | 20 |
| BC*0011LCACH | CF04K6E-TF5 | 208-230/3/60 | 5.7 | 52.0 | 1 | 0.5 | 15.0 | 15.0 | 5 | 15 | 20 | 20 |
| BC*0014LBACH | CF06K6E-PFV | 208-230/1/60 | 10.3 | 59.2 | 1 | 0.5 | 15.0 | 20.0 | 5 | 15 | 20 | 25 |
| BC*0014LCACH | CF06K6E-TF5 | 208-230/3/60 | 6.3 | 52.0 | 1 | 0.5 | 15.0 | 15.0 | 5 | 15 | 20 | 20 |
| BC*0019LBACH | CF06K6E-PFV | 208-230/1/60 | 10.3 | 59.2 | 2 | 1 | 15.0 | 20.0 | 10 | 30 | 37.5 | 40 |
| BC*0019LCACH | CF06K6E-TF5 | 208-230/3/60 | 6.3 | 52.0 | 2 | 1 | 15.0 | 15.0 | 9 | 23 | 28.8 | 30 |
| BC*0025LBACH | CF09K6E-PFV | 208-230/1/60 | 15.0 | 87.0 | 2 | 1 | 20.0 | 30.0 | 10 | 30 | 37.5 | 40 |
| BC*0025LCACH | CF09K6E-TF5 | 208-230/3/60 | 9.2 | 72.2 | 2 | 1 | 15.0 | 20.0 | 9 | 23 | 28.8 | 30 |
| BC*0031LBACH | CF12K6E-PFV | 208-230/1/60 | 18.4 | 105.0 | 2 | 1 | 24.0 | 40.0 | 10 | 30 | 37.5 | 50 |
| BC*0031LCACH | CF12K6E-TF5 | 208-230/3/60 | 11.0 | 85.0 | 2 | 1 | 15.0 | 25.0 | 9 | 23 | 28.8 | 30 |
| BC*0031LDACH | CF12K6E-TFD | 460/3/60 | 5.9 | 42.0 | 2 | 1 | 15.0 | 15.0 | b | b | 15 | 15 |

Not Available For Ordering

**Notes:**
* H = Outdoor, N = Indoor
b. Power supplied by customer
c. Per UL and NEC, RLA values have been calculated by dividing the Maximum Continuous Current (MCC) by 1.56.
d. Unless otherwise noted, model is available for 50 Hz. Consult factory for details.

These models are no longer available for ordering, information provided for reference only

# AWEF DATA – MEDIUM TEMPERATURE

## Hermetic Compressor Models - Indoor/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 | Indoor | | | | | | Outdoor | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | R-404A/ R-507A | R-448A | R-449A | R-407A | R-407C | R-407F | R-404A/ R-507A | R-448A | R-449A | R-407A | R-407C | R-407F |
| BC*0015MBACH | — | — | — | — | X | X | 7.60 | 7.60 | 7.60 | 7.60 | X | X |
| BC*0015MCACH | — | — | — | — | X | X | 7.60 | 7.60 | 7.60 | 7.60 | X | X |
| BC*0020MBACH | — | X | X | X | X | X | 7.60 | X | X | X | X | X |
| BC*0020MCACH | — | — | — | — | X | X | 7.60 | 7.60 | 7.60 | 7.60 | X | X |
| BC*0025MBACH | — | — | — | — | X | X | 7.60 | 7.60 | 7.60 | 7.60 | X | X |
| BC*0025MCACH | — | — | — | — | X | X | 7.60 | 7.60 | 7.60 | 7.60 | X | X |
| BC*0030MBACH | 5.61 | — | — | — | X | X | 7.60 | 7.60 | 7.60 | 7.60 | X | X |
| BC*0030MCACH | 5.61 | 5.61 | 5.61 | — | X | X | 7.60 | 7.60 | 7.60 | 7.60 | X | X |
| BC*0030MDACH | 5.61 | 5.61 | 5.61 | 5.61 | X | X | 7.60 | 7.60 | 7.60 | 7.60 | X | X |
| BC*0032MBACH | 5.61 | — | — | — | X | X | 7.60 | 7.60 | 7.60 | 7.60 | X | X |
| BC*0032MCACH | 5.61 | 5.61 | 5.61 | — | X | X | 7.60 | 7.60 | 7.60 | 7.60 | X | X |
| BC*0032MDACH | 5.61 | 5.61 | 5.61 | — | X | X | 7.60 | 7.60 | 7.60 | 7.60 | X | X |

Not Available For Ordering

# AWEF DATA – LOW TEMPERATURE

## Hermetic Compressor Models - Indoor/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 | Indoor | | | | | | Outdoor | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | R-404A/ R-507A | R-448A | R-449A | R-407A | R-407C | R-407F | R-404A/ R-507A | R-448A | R-449A | R-407A | R-407C | R-407F |
| BC*0011LBACH | 2.06 | X | X | X | X | X | 2.89 | X | X | X | X | X |
| BC*0011LCACH | 2.05 | X | X | X | X | X | 2.88 | X | X | X | X | X |
| BC*0014LBACH | — | X | X | X | X | X | 2.99 | X | X | X | X | X |
| BC*0014LCACH | 2.19 | X | X | X | X | X | 2.98 | X | X | X | X | X |
| BC*0019LBACH | — | X | X | X | X | X | 3.02 | X | X | X | X | X |
| BC*0019LCACH | — | X | X | X | X | X | 3.01 | X | X | X | X | X |
| BC*0025LBACH | — | X | X | X | X | X | — | X | X | X | X | X |
| BC*0025LCACH | — | X | X | X | X | X | 3.13 | X | X | X | X | X |
| BC*0031LBACH | — | X | X | X | X | X | — | X | X | X | X | X |
| BC*0031LCACH | — | X | X | X | X | X | 3.15 | X | X | X | X | X |
| BC*0031LDACH | — | X | X | X | X | X | 3.15 | X | X | X | X | X |

Not Available For Ordering

These models are no longer available for ordering, information provided for reference only

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# REPLACEMENT PARTS

| Replacement Parts | | | | | |
|---|---|---|---|---|---|
| Item | Cabinet | | | | |
| | C1 | C2 | C3 | | |
| PSC Motor | N/A | 25309101S, 230/1 | 25309001S, 230/1 | 25309002S, 460/1 | 25309003, 575/1 |
| PSC Motor Capacitor | N/A | N/A | 5779G | 5599M | 5599M |
| FSEC Motor | 25322405, 230/1 | 25322405, 230/1 | 25319102S, 230/1 | 25319102S, 230/1[f] | 25319102S, 230/1[k] |
| VSEC Motor | 25319201S, 230/1 | 25319201S, 230/1 | 25319102S, 230/1 | 25319102S, 230/1[f] | 25319102S, 230/1[k] |
| Fan Blade | 22901601, 14" | 22901601, 14" | 7173156, 22" | | |
| Orbus Controller | 28962001 | 28962001 | 28962001 | | |
| Orbus Transducer, 0-500 psis | 28911204 | 28911204 | 28911204 | | |
| Orbus Transducer Harness | 22515101 | 22515101 | 22515101 | | |
| Smart Defrost Kit (SDK) | 28999301 | 28999301 | 28999301 | | |
| SDK Temperature Sensor | 28900311 | 28900311 | 28900311 | | |
| SDK Transducer, 0-300 psia | 28911202 | 28911202 | 28911202 | | |
| SDK Transducer Harness | 22515102 | 22515102 | 22515102 | | |
| Microchannel Coil, Uncoated | 59517503 | 59517603 | 59517703 | | |
| Microchannel Coil, Coated | 59517504 | 59517604 | 59517704 | | |
| Service Side Grille HFC model | 24104001 | 24104101 | 24104201 | | |
| Service Side Grille A2L/HFC model | 24104001 | 24104101 | 24104201 | | |
| Condenser Grille A2L/HFC model | 40407801 | 40408001 | 40408101 | | |

**Notes:**
f = 460/230V transformer is used in unit
k = 575/230V transformer is used in unit

# REPLACEMENT PARTS

LG Scroll Compressors

| Unit Model Number | Compressor Model | Service Part Number |
|---|---|---|
| BC*0010MBALZ | MPA010KAA.A58LEXS | 21518201S |
| BC*0010MCALZ | MPA010RAA.A58LEXS | 21518202S |
| BC*0010MDALZ | MPA010SAA.A58LEXS | 21518203S |
| BC*0015MBALZ | MPA013KAA.A58LEXS | 21518204S |
| BC*0015MCALZ | MPA013RAA.A58LEXS | 21518205S |
| BC*0015MDALZ | MPA013SAA.A58LEXS | 21518206S |
| BC*0020MBALZ | MPA015KAA.A58LEXS | 21518207S |
| BC*0020MCALZ | MPA015RAA.A58LEXS | 21518208S |
| BC*0020MDALZ | MPA015SAA.A58LEXS | 21518209S |
| BC*0025MBALZ | MPA019KAA.A58LEXS | 21518210S |
| BC*0025MCALZ | MPA019RAA.A58LEXS | 21518211S |
| BC*0025MDALZ | MPA019SAA.A58LEXS | 21518212S |
| BC*0030MBALZ | MBA021KAA.A58LEXS | 21518213S |
| BC*0030MCALZ | MBA021RAA.A58LEXS | 21518214S |
| BC*0030MDALZ | MBA021SAA.A58LEXS | 21518215S |

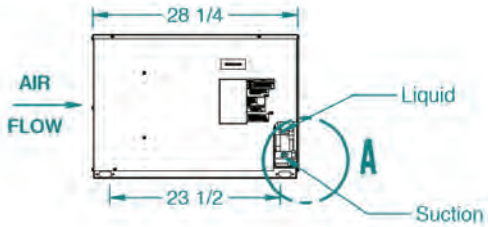
| Unit Model Number | Compressor Model | Service Part Number |
|---|---|---|
| BC*0035MBALZ | MBA026KAA.A58LEXS | 21518216S |
| BC*0035MCALZ | MBA026RAA.A58LEXS | 21518217S |
| BC*0035MDALZ | MBA026SAA.A58LEXS | 21518218S |
| BC*0045MBALZ | MBA029KAA.A58LEXS | 21518219S |
| BC*0045MCALZ | MBA029RAA.A58LEXS | 21518220S |
| BC*0045MDALZ | MBA029SAA.A58LEXS | 21518221S |
| BC*0050MBALZ | MBA033KAA.A58LEXS | 21518222S |
| BC*0050MCALZ | MBA033RAA.A58LEXS | 21518223S |
| BC*0050MDALZ | MBA033SAA.A58LEXS | 21518224S |
| BC*0055MBALZ | MRA038KAA.A58LEXS | 21518225S |
| BC*0055MCALZ | MRA038RAA.A58LEXS | 21518226S |
| BC*0055MDALZ | MRA038SAA.A58LEXS | 21518227S |
| BC*0060MCALZ | MRA045RAA.A58LEXS | 21518228S |
| BC*0060MDALZ | MRA045SAA.A58LEXS | 21518229S |

# DIMENSIONAL DRAWINGS

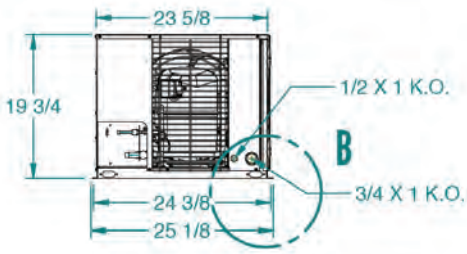
Outdoor

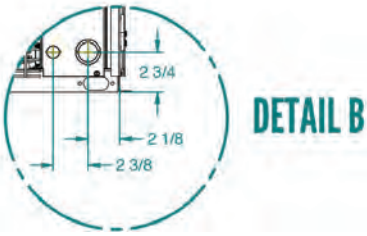
## C1

### Left View

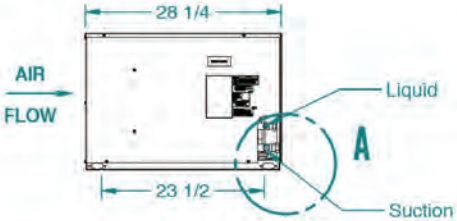


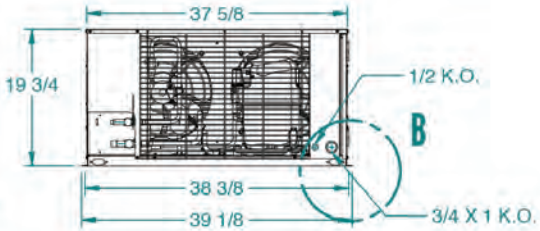

### Front View

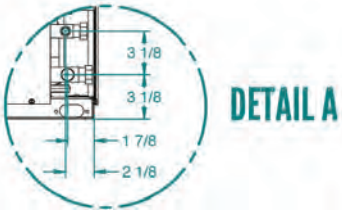


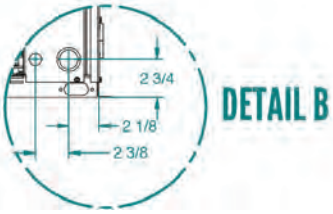



## C2

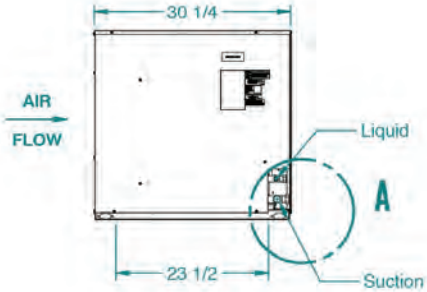


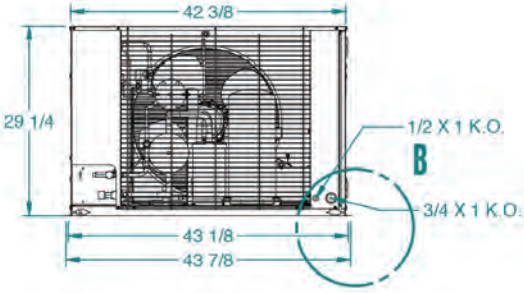



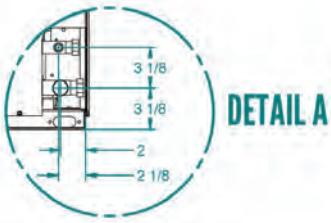



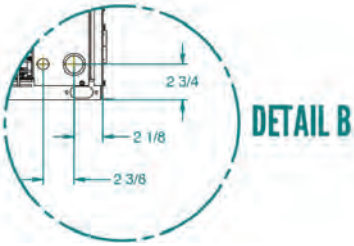




## C3



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

**BN-HTS-0325 | Version 009**

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