

Low Profile Unit Cooler

Publication No. 100.12
June, 2001



FOR WALK-IN COOLERS AND FREEZERS 3,400 TO 39,000 BTUH

STANDARD FEATURES

- Available in Air, Electric and Hot Gas models.
- Flush to the ceiling mounting, meets NSF standards.
- Slotted hangers provided for easy installation.
- Heavy gauge, rust-free Aluminum housing.
- Rust proof black plastic fan guards.
- Angled drain fitting is sloped to reduce loss of useful storage space by drain lines.
- Computerized coil circuiting is used to enhance performance for varying applications.
- Staggered copper tubes are expanded into corrugated Aluminum fins for increased heat transfer.
- Internal placement of the defrost heaters allows for extremely rapid defrost.
- Separate defrost termination thermostat and fan delay thermostat with ideal location for each function.
- Heater safety control prevents over-heating of coil.
- Screw type terminal blocks are provided for easy wiring.

OPTIONAL FEATURES

- High efficiency PSC fan motors.
- 460 volt motors and heaters.
- Coated Aluminum fins or Copper fins.
- Baked white enamel housing.
- Coated wire fan guards for even air distribution up to 25 ft. or epoxy resin high throw guards for up to 50 ft.
- Reheat kits (not UL).
- Factory mounted expansion valves.

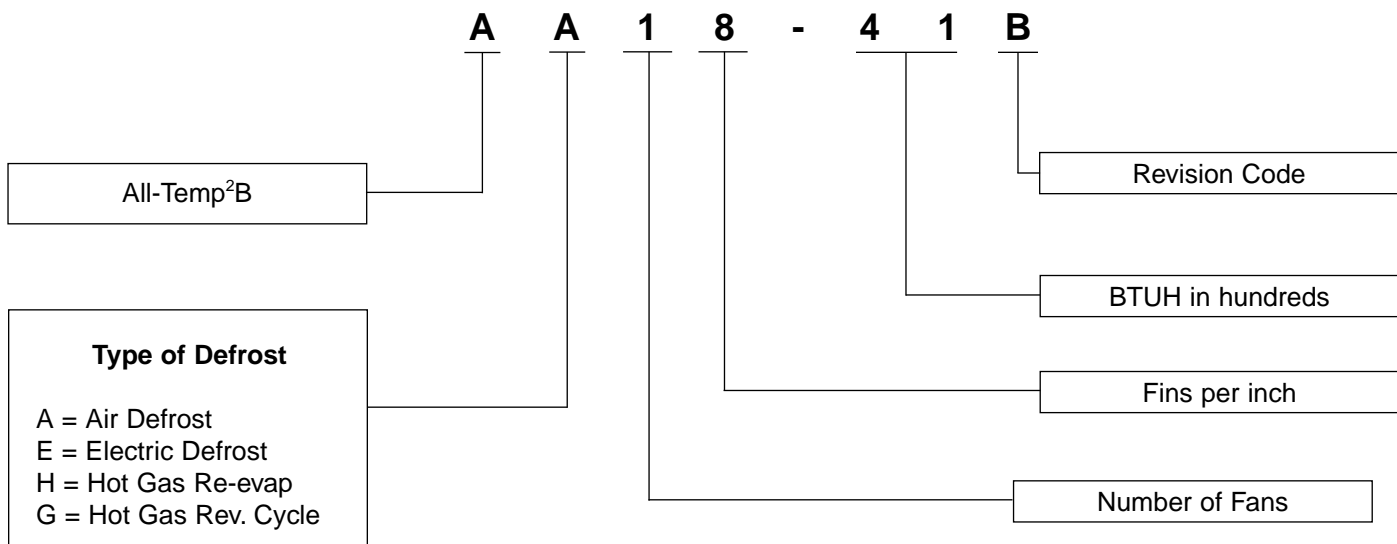
Air Defrost / Specifications

| | Model Number | BTUH Capacity @ 25° S.T. | | CFM | Total Fan Motor AMPS - 1 Phase | | | | |
|-------|--------------|--------------------------|-------|------|--------------------------------|------|------|--------------------|------|
| | | 10°TD | 12°TD | | Standard Motor | | | Optional PSC Motor | |
| | | | | | 115V | 230V | 460V | 115V | 230V |
| 8 FPI | AA18-41B | 4100 | 4900 | 800 | 2.0 | 1.0 | 0.5 | 1.0 | 0.5 |
| | AA18-53B | 5300 | 6400 | 770 | 2.0 | 1.0 | 0.5 | 1.0 | 0.5 |
| | AA18-66B | 6600 | 7900 | 740 | 2.0 | 1.0 | 0.5 | 1.0 | 0.5 |
| | AA28-76B | 7600 | 9100 | 1460 | 4.0 | 2.0 | 1.0 | 2.0 | 1.0 |
| | AA28-97B | 9700 | 11600 | 1420 | 4.0 | 2.0 | 1.0 | 2.0 | 1.0 |
| | AA28-106B | 10600 | 12700 | 1540 | 4.0 | 2.0 | 1.0 | 2.0 | 1.0 |
| | AA28-122B | 12200 | 14600 | 1380 | 4.0 | 2.0 | 1.0 | 2.0 | 1.0 |
| | AA28-134B | 13400 | 16100 | 1480 | 4.0 | 2.0 | 1.0 | 2.0 | 1.0 |
| | AA28-160B | 16000 | 19200 | 2310 | 6.0 | 3.0 | 1.5 | 3.0 | 1.5 |
| | AA38-195B | 19500 | 23400 | 2220 | 6.0 | 3.0 | 1.5 | 3.0 | 1.5 |
| 6 FPI | AA48-212B | 21200 | 25400 | 3080 | 8.0 | 4.0 | 2.0 | 4.0 | 2.0 |
| | AA48-264B | 26400 | 31700 | 2960 | 8.0 | 4.0 | 2.0 | 4.0 | 2.0 |
| | AA58-275B | 27500 | 33000 | 3850 | 10.0 | 5.0 | 2.5 | 5.0 | 2.5 |
| | AA68-318B | 31800 | 38200 | 4620 | 12.0 | 6.0 | 3.0 | 6.0 | 3.0 |
| | AA68-390B | 39000 | 46800 | 4440 | 12.0 | 6.0 | 3.0 | 6.0 | 3.0 |
| | AA16-39B | 3900 | 4700 | 830 | 2.0 | 1.0 | 0.5 | 1.0 | 0.5 |
| | AA16-48B | 4800 | 5800 | 800 | 2.0 | 1.0 | 0.5 | 1.0 | 0.5 |
| | AA16-58B | 5800 | 7000 | 780 | 2.0 | 1.0 | 0.5 | 1.0 | 0.5 |
| | AA26-70B | 7000 | 8400 | 1540 | 4.0 | 2.0 | 1.0 | 2.0 | 1.0 |
| | AA26-87B | 8700 | 10400 | 1500 | 4.0 | 2.0 | 1.0 | 2.0 | 1.0 |
| 4 FPI | AA26-115B | 11500 | 13800 | 1560 | 4.0 | 2.0 | 1.0 | 2.0 | 1.0 |
| | AA36-145B | 14500 | 17400 | 2400 | 6.0 | 3.0 | 1.5 | 3.0 | 1.5 |
| | AA36-170B | 17000 | 20400 | 2340 | 6.0 | 3.0 | 1.5 | 3.0 | 1.5 |
| | AA46-192B | 19200 | 23000 | 3200 | 8.0 | 4.0 | 2.0 | 4.0 | 2.0 |
| | AA46-230B | 23000 | 27600 | 3120 | 8.0 | 4.0 | 2.0 | 4.0 | 2.0 |
| | AA56-245B | 24500 | 29400 | 4000 | 10.0 | 5.0 | 2.5 | 5.0 | 2.5 |
| | AA66-295B | 29500 | 35400 | 4800 | 12.0 | 6.0 | 3.0 | 6.0 | 3.0 |
| | AA66-345B | 34500 | 41400 | 4680 | 12.0 | 6.0 | 3.0 | 6.0 | 3.0 |
| 4 FPI | AA14-42B | 4200 | 5000 | 830 | 2.0 | 1.0 | 0.5 | 1.0 | 0.5 |
| | AA24-84B | 8400 | 10100 | 1660 | 4.0 | 2.0 | 1.0 | 2.0 | 1.0 |
| | AA24-105B | 10500 | 12600 | 1620 | 4.0 | 2.0 | 1.0 | 2.0 | 1.0 |
| | AA34-130B | 13000 | 15600 | 2490 | 6.0 | 3.0 | 1.5 | 3.0 | 1.5 |
| | AA44-170B | 17000 | 20400 | 3320 | 8.0 | 4.0 | 2.0 | 4.0 | 2.0 |
| | AA54-215B | 21500 | 25800 | 4150 | 10.0 | 5.0 | 2.5 | 5.0 | 2.5 |
| | AA64-255B | 25500 | 30600 | 4980 | 12.0 | 6.0 | 3.0 | 6.0 | 3.0 |

Ordering Information Required

- (1) Model number
- (2) Voltage, frequency and phase of motors and heaters (when applicable)
- (3) Refrigerant type
- (4) Evaporator temperature
- (5) Evaporator T.D.

Model Numbering System



Electric Defrost / Specifications

| | Model Number | BTUH Capacity @ 10° T.D. @ Evaporator Temperature | | | | CFM | Motor Amps ¹ | | | Heater Amps ² | | | Watts |
|-------|--------------|--|-------|-------|-------|------|-------------------------|------|-------------|--------------------------|------|--------------|-------|
| | | -30° | -20° | -10° | +20° | | Standard | | PSC 230V | 208/230V | | 460V 1 PH | |
| | | | | | | | 230V | 460V | | 1 PH | 3 PH | | |
| 6 FPI | AE 16-36B | 3400 | 3600 | 3700 | 3900 | 830 | 1.0 | 0.5 | 0.5 | 4.4 | 2.6 | 2.2 | 1000 |
| | AE 16-41B | 3900 | 4100 | 4300 | 4800 | 800 | 1.0 | 0.5 | 0.5 | 4.4 | 2.6 | 2.2 | 1000 |
| | AE 16-46B | 4400 | 4600 | 4800 | 5800 | 780 | 1.0 | 0.5 | 0.5 | 4.4 | 2.6 | 2.2 | 1000 |
| | AE 26-60B | 5700 | 6000 | 6200 | 7000 | 1540 | 2.0 | 1.0 | 1.0 | 7.0 | 6.0 | 3.5 | 1600 |
| | AE 26-75B | 7100 | 7500 | 7800 | 8700 | 1500 | 2.0 | 1.0 | 1.0 | 7.0 | 6.0 | 3.5 | 1600 |
| | AE 26-92B | 8700 | 9200 | 9600 | 11500 | 1560 | 2.0 | 1.0 | 1.0 | 8.7 | 7.5 | 4.4 | 2000 |
| | AE 36-120B | 11400 | 12000 | 12500 | 14500 | 2400 | 3.0 | 1.5 | 1.5 | 13.0 | 11.3 | 6.4 | 3000 |
| | AE 36-140B | 13300 | 14000 | 14600 | 17000 | 2340 | 3.0 | 1.5 | 1.5 | 13.0 | 11.3 | 6.4 | 3000 |
| | AE 46-164B | 15000 | 16400 | 17100 | 19200 | 3200 | 4.0 | 2.0 | 2.0 | 17.4 | 15.1 | 8.7 | 4000 |
| | AE 46-185B | 17600 | 18500 | 19200 | 23000 | 3120 | 4.0 | 2.0 | 2.0 | 17.4 | 15.1 | 8.7 | 4000 |
| 4 FPI | AE 56-210B | 20000 | 21000 | 21800 | 24500 | 4000 | 5.0 | 2.5 | 2.5 | - | 18.8 | 10.9 | 5000 |
| | AE 66-245B | 23300 | 24500 | 25500 | 29500 | 4800 | 6.0 | 3.0 | 3.0 | - | 22.6 | 13.0 | 6000 |
| | AE 66-280B | 26600 | 28000 | 29100 | 34500 | 4680 | 6.0 | 3.0 | 3.0 | - | 22.6 | 13.0 | 6000 |
| | AE 14-37B | 3500 | 3700 | 3800 | 4200 | 830 | 1.0 | 0.5 | 0.5 | 4.4 | 2.6 | 2.2 | 1000 |
| | AE 24-72B | 6800 | 7200 | 7500 | 8400 | 1660 | 2.0 | 1.0 | 1.0 | 8.7 | 7.5 | 4.4 | 2000 |
| | AE 24-85B | 8100 | 8500 | 8800 | 10500 | 1620 | 2.0 | 1.0 | 1.0 | 8.7 | 7.5 | 4.4 | 2000 |
| | AE 34-105B | 10000 | 10500 | 10900 | 13000 | 2490 | 3.0 | 1.5 | 1.5 | 13.0 | 11.3 | 6.4 | 3000 |
| | AE 44-140B | 13300 | 14000 | 14600 | 17000 | 3320 | 4.0 | 2.0 | 2.0 | 17.4 | 15.1 | 8.7 | 4000 |
| | AE 54-180B | 17100 | 18000 | 18700 | 21500 | 4150 | 5.0 | 2.5 | 2.5 | - | 18.8 | 10.9 | 5000 |
| | AE 64-215B | 20400 | 21500 | 22400 | 25500 | 4980 | 6.0 | 3.0 | 3.0 | - | 22.6 | 13.0 | 6000 |

(1) All fan motors are wired for single phase. Standard motors are shaded pole. High efficiency PSC (Permanent Split Capacitor) motors are optional.

(2) For 208/230 volt models, heaters are wired as standard for single phase on 1 through 4 fan models. 5 and 6 models are wired 3 phase. 460 Volt models are only available in single phase and are compatible with all 3 phase systems.

Hot Gas Defrost / Specifications

| | Model Number | | BTUH Capacity @ 10° T.D. @ Evaporator Temperature | | | | CFM | Fan Motor Amps ¹ | | | | | Re-Evap HEA Unmtd. |
|-------|--------------|------------|--|-------|-------|-------|------|-----------------------------|------|------|------|------|--------------------------|
| | Re-Evap | Rev. Cycle | -30° | -20° | -10° | +20° | | Standard | | | PSC | | |
| | | | | | | | | 115V | 230V | 460V | 115V | 230V | |
| 6 FPI | AH 16-36B | AG 16-36B | 3400 | 3600 | 3700 | 3900 | 830 | 2.0 | 1.0 | 0.5 | 1.0 | 0.5 | 1A |
| | AH 16-41B | AG 16-41B | 3900 | 4100 | 4300 | 4800 | 800 | 2.0 | 1.0 | 0.5 | 1.0 | 0.5 | 1A |
| | AH 16-46B | AG 16-46B | 4400 | 4600 | 4800 | 5800 | 780 | 2.0 | 1.0 | 0.5 | 1.0 | 0.5 | 1A |
| | AH 26-60B | AG 26-60B | 5700 | 6000 | 6200 | 7000 | 1540 | 4.0 | 2.0 | 1.0 | 2.0 | 1.0 | 2A |
| | AH 26-75B | AG 26-75B | 7100 | 7500 | 7800 | 8700 | 1500 | 4.0 | 2.0 | 1.0 | 2.0 | 1.0 | 2A |
| | AH 26-92B | AG 26-92B | 8700 | 9200 | 9600 | 11500 | 1560 | 4.0 | 2.0 | 1.0 | 2.0 | 1.0 | 2A |
| | AH 36-120B | AG 36-120B | 11400 | 12000 | 12500 | 14500 | 2400 | 6.0 | 3.0 | 1.5 | 3.0 | 1.5 | 3A |
| | AH 36-140B | AG 36-140B | 13300 | 14000 | 14600 | 17000 | 2340 | 6.0 | 3.0 | 1.5 | 3.0 | 1.5 | 3A |
| | AH 46-164B | AG 46-164B | 15600 | 16400 | 17100 | 19200 | 3200 | 8.0 | 4.0 | 2.0 | 4.0 | 2.0 | 3A |
| | AH 46-185B | AG 46-185B | 17600 | 18500 | 19200 | 23000 | 3120 | 8.0 | 4.0 | 2.0 | 4.0 | 2.0 | 3A |
| 4 FPI | AH 56-210B | AG 56-210B | 20000 | 21000 | 21800 | 24500 | 4000 | 10.0 | 5.0 | 2.5 | 5.0 | 2.5 | 3A |
| | AH 66-245B | AG 66-245B | 23300 | 24500 | 25500 | 29500 | 4800 | 12.0 | 6.0 | 3.0 | 6.0 | 3.0 | 4A |
| | AH 66-280B | AG 66-280B | 26600 | 28000 | 29100 | 34500 | 4680 | 12.0 | 6.0 | 3.0 | 6.0 | 3.0 | 4A |
| | AH 14-37B | AG 14-37B | 3500 | 3700 | 3800 | 4200 | 830 | 2.0 | 1.0 | 0.5 | 1.0 | 0.5 | 1A |
| | AH 24-72B | AG 24-72B | 6800 | 7200 | 7500 | 8400 | 1660 | 4.0 | 2.0 | 1.0 | 2.0 | 1.0 | 2A |
| | AH 24-85B | AG 24-85B | 8100 | 8500 | 8800 | 10500 | 1620 | 4.0 | 2.0 | 1.0 | 2.0 | 1.0 | 2A |
| | AH 34-105B | AG 34-105B | 10000 | 10500 | 10900 | 13000 | 2490 | 6.0 | 3.0 | 1.5 | 3.0 | 1.5 | 2A |
| | AH 44-140B | AG 44-140B | 13300 | 14000 | 14600 | 17000 | 3320 | 8.0 | 4.0 | 2.0 | 4.0 | 2.0 | 3A |
| | AH 54-180B | AG 54-180B | 17100 | 18000 | 18700 | 21500 | 4150 | 10.0 | 5.0 | 2.5 | 5.0 | 2.5 | 3A |
| | AH 64-215B | AG 64-215B | 20400 | 21500 | 22400 | 25500 | 4980 | 12.0 | 6.0 | 3.0 | 6.0 | 3.0 | 3A |

(1) All fan motors are wired for single phase

Features

The Russell All-Temp²B is the original low profile unit cooler that has established an industry standard as being the all purpose design for walk-in coolers, freezers and other applications. They feature an air draw-through design offering air, electric and hot gas defrost models.

- **Sizes**

There are 35 sizes available with 3,700 to 39,000 BTUH at a 10° TD ranging from 740 to 4,980 cfm. One through six fan models are available.
- **Housing**

Rust-free, heavy gauge, textured aluminum casing is light weight yet durable. Each fan section is baffled to prevent short cycling of the air. The unit is designed to mount flush to the ceiling and meets all NSF requirements. Slotted hangers are provided for easy installation. Drain fittings are installed in the horizontal position to gain more usable headroom in low ceiling application. Optional expansion valves can be conveniently installed inside the cabinet.
- **Coil**

Seamless Copper tubes are staggered and mechanically expanded into corrugated Aluminum fins and heavy gauge tube sheets to achieve maximum heat transfer and strength. Die formed fin collars provide even fin spacing. Fin spacings available are 4,6, and 8 fins per inch. Extended liquid connection allows for field removal of flare fitting if desired.
- **Motors**

All motors are 1/20 HP, permanently lubricated, ball bearing, with thermal overload protection. Available in 115V, 208/230V and optional 460V, single phase. Optional high efficiency PSC motors are also available in 115V and 230V.
- **Fans**

Heavy duty 12" Aluminum fans are balanced to provide vibration-free operation. Our new low throw black plastic fan guards have an improved air pattern. The optional epoxy resin high throw fan guard moves air up to 50 feet.
- **Electrical**

Available in 115V, 208/230V, and 460V (see page 4). All components are factory wired to convenient screw-type terminal strips. A large compartment is supplied internal to the unit for all electrical components and is easily accessible by removing the end panel. All models are UL listed.
- **Air Defrost**

All models with the prefix "AA" are designed for use in coolers of 35°F and warmer. Complete air defrost systems for off-cycle or timed air defrost are available from Russell.
- **Electric Defrost**

Available on all models with the prefix "AE". Designed for use where electric heat is used to defrost. Placement of the heaters internal to the coil allows for an extremely rapid and efficient defrost. This arrangement enables the heat to be conducted through the fins from the center out for an even defrost pattern. All heaters are wired to a terminal strip to allow a quick field change-over from single phase to three phase, 230V to 460V and vice versa. A lower heater is installed close to the drain pan for fast, reliable drainage. A defrost termination thermostat (DT) terminates the defrost cycle when the temperature is satisfied. A heater safety thermostat is installed to prevent heaters from overheating above 75° in case of DT failure. All heaters are flexible and can be easily replaced within 12 inches of the end of the unit. A fan delay thermostat is supplied to allow the warm coil to cool after a defrost cycle prior to the fans turning on. Complete electric defrost refrigeration systems are available from Russell.
- **Hot Gas Defrost**

Two types available - Re-Evap models with the prefix "AH" and reverse cycle with the prefix "AG". All models include a fixed DTFD factory wired and a hot gas drain pan circuit to defrost the drain pan. On all Hot Gas models, the drain fitting is located on the left-hand rear of the unit when facing the fan guards. Re-Evap models include a Heat Exchanger-Re-Evaporator shipped together with the unit for field installation. Complete Re-Evap Refrigeration Systems are available from Russell. Contact factory for piping information.

Electric Defrost Kits

| Model | 1 Unit Cooler Per System | | 2 Unit Coolers Per System | | 3 Unit Coolers Per System | |
|------------|--------------------------|-------|---------------------------|-------|---------------------------|-------|
| | 230V | 460V | 230V | 460V | 230V | 460V |
| AE 16-36B | ED-10 | ED-12 | ED-20 | ED-22 | ED-30 | ED-32 |
| AE 16-41B | ED-10 | ED-12 | ED-20 | ED-22 | ED-30 | ED-32 |
| AE 16-46B | ED-10 | ED-12 | ED-20 | ED-22 | ED-30 | ED-32 |
| AE 26-60B | ED-10 | ED-12 | ED-20 | ED-22 | ED-30 | ED-32 |
| AE 26-75B | ED-10 | ED-12 | ED-20 | ED-22 | ED-30 | ED-32 |
| AE 26-92B | ED-10 | ED-12 | ED-20 | ED-22 | ED-30 | ED-32 |
| AE 36-120B | ED-10 | ED-12 | ED-20 | ED-22 | ED-33 | ED-32 |
| AE 36-140B | ED-10 | ED-12 | ED-20 | ED-22 | ED-33 | ED-32 |
| AE 46-164B | ED-10 | ED-12 | ED-23 | ED-22 | ED-35 | ED-32 |
| AE 46-185B | ED-10 | ED-12 | ED-23 | ED-22 | ED-35 | ED-32 |
| AE 56-210B | ED-11 | ED-12 | ED-23 | ED-22 | ED-35 | ED-34 |
| AE 66-245B | ED-11 | ED-12 | ED-23 | ED-22 | ED-35 | ED-34 |
| AE 66-280B | ED-11 | ED-12 | ED-23 | ED-22 | ED-35 | ED-34 |
| AE 14-37B | ED-10 | ED-12 | ED-20 | ED-22 | ED-30 | ED-32 |
| AE 24-72B | ED-10 | ED-12 | ED-20 | ED-22 | ED-30 | ED-32 |
| AE 24-85B | ED-10 | ED-12 | ED-20 | ED-22 | ED-30 | ED-32 |
| AE 34-105B | ED-10 | ED-12 | ED-20 | ED-22 | ED-33 | ED-32 |
| AE 44-140B | ED-10 | ED-12 | ED-23 | ED-22 | ED-35 | ED-32 |
| AE 54-180B | ED-11 | ED-12 | ED-23 | ED-22 | ED-35 | ED-34 |
| AE 54-215B | ED-11 | ED-12 | ED-23 | ED-22 | ED-35 | ED-34 |

Electric defrost kits consist of components that are necessary to control the defrost cycle. The optional kits are available as a factory installed option when ordered with a condensing unit. The contents of these kits are described below along with the function of each component.

Electric Defrost Kit Components

| KIT NO. | TIMER | AUXILIARY SWITCH | BLOCK-OUT RELAY | DEFROST CONTACTOR | FAN CONTACTOR | SEQUENCING RELAY |
|------------|-------|------------------|-----------------|-------------------|---------------|------------------|
| ED10-230/1 | 1 | - | 1-30A | - | - | - |
| ED11-230/3 | 1 | 1 | - | 1-30A | - | - |
| ED12-460/3 | 1 | 1 | - | 1-30A | 1-25A | - |
| ED20-230/1 | 1 | - | 1-30A | - | - | 2 |
| ED22-460/3 | 1 | 1 | - | 2-15A | 1-25A | 2 |
| ED23-230/1 | 1 | 1 | - | 2-25A | - | 2 |
| ED23-230/3 | 1 | 1 | - | 2-25A | - | 2 |
| ED30-230/1 | 1 | - | 1-30A | - | - | 3 |
| ED32-460/3 | 1 | 1 | - | 3-10A | 1-25A | 3 |
| ED33-230/1 | 1 | 1 | - | 3-16A | - | 3 |
| ED34-460-3 | 1 | 1 | - | 3-16A | 1-25A | 3 |
| ED35-230/1 | 1 | 1 | - | 3-33A | - | 3 |
| ED35-230/3 | 1 | 1 | - | 3-33A | - | 3 |

Timer: Initiates the defrost cycle. Also used as a override protection for defrost termination.

Auxiliary Switch: Is mounted on the compressor contactor and prevents the defrost contactor from operating whenever the compressor is energized.

Block-Out Relay: Serves the same function as auxiliary switch. Used when defrost contactor is not required (lower wattage single phase only).

Defrost Contactor: Carries amperage load for heaters.

Fan Contactor: Used with 460V motors or when 230V motors are wired 3 phase.

Sequencing Relays: Provides interconnection of multiple unit coolers on a single system so that each unit cooler is allowed to individually terminate defrost on temperature.



Physical Data

| Models | | TXV Type | Refrigerant Connections | | | | No. Of Hangers | Dimensions (Inches) | | | | Ship Wt. (lbs.) |
|---------|----------|----------|-------------------------|------------|------------------|---------|----------------|---------------------|--------|--------|---------|-----------------|
| AA | AE/AH/AG | | All Liquid† | AA Suction | AE/AG/AH Suction | HG‡ | | A | B | C | W | |
| 18-41B | — | EXT | 1/2 ODS | 5/8 ODS | — | — | 2 | 19 | — | — | 27 1/2 | 43 |
| 18-53B | — | EXT | 1/2 | 5/8 | — | — | 2 | 19 | — | — | 27 1/2 | 46 |
| 18-66B | — | EXT | 1/2 | 5/8 | — | — | 2 | 19 | — | — | 27 1/2 | 50 |
| 28-76B | — | EXT | 1/2 | 5/8 | — | — | 2 | 33 | — | — | 41 1/2 | 64 |
| 28-97B | — | EXT | 1/2 | 7/8 | — | — | 2 | 33 | — | — | 41 1/2 | 69 |
| 28-106B | — | EXT | 1/2 | 7/8 | — | — | 2 | 37 | — | — | 45 1/2 | 71 |
| 28-122B | — | EXT | 1/2 | 7/8 | — | — | 2 | 33 | — | — | 41 1/2 | 74 |
| 28-134B | — | EXT | 1/2 | 7/8 | — | — | 2 | 37 | — | — | 45 1/2 | 77 |
| 38-160B | — | EXT | 1/2 | 1-1/8 | — | — | 2 | 55 | — | — | 63 1/2 | 110 |
| 38-195B | — | EXT | 1/2 | 1-1/8 | — | — | 2 | 55 | — | — | 63 1/2 | 120 |
| 48-212B | — | EXT | 1/2 | 1-1/8 | — | — | 3 | 36 1/2 | 36 1/2 | — | 81 1/2 | 145 |
| 48-264B | — | EXT | 1/2 | 1-1/8 | — | — | 3 | 36 1/2 | 36 1/2 | — | 81 1/2 | 160 |
| 58-275B | — | EXT | 1/2 | 1-1/8 | — | — | 3 | 54 1/2 | 36 1/2 | — | 99 1/2 | 230 |
| 68-318B | — | EXT | 1/2 | 1-1/8 | — | — | 4 | 36 1/2 | 36 | 36 1/2 | 117 1/2 | 255 |
| 68-390B | — | EXT | 1/2 | 1-1/8 | — | — | 4 | 36 1/2 | 36 | 36 1/2 | 117 1/2 | 275 |
| 16-39B | 16-36B | EXT | 1/2 ODS | 5/8 ODS | 5/8 ODS | 5/8 ODS | 2 | 19 | — | — | 27 1/2 | 41 |
| 16-48B | 16-41B | EXT | 1/2 | 5/8 | 5/8 | 5/8 | 2 | 19 | — | — | 27 1/2 | 44 |
| 16-58B | 16-46B | EXT | 1/2 | 5/8 | 5/8 | 5/8 | 2 | 19 | — | — | 27 1/2 | 47 |
| 26-70B | 26-60B | EXT | 1/2 | 5/8 | 7/8 | 5/8 | 2 | 33 | — | — | 41 1/2 | 61 |
| 26-87B | 26-75B | EXT | 1/2 | 7/8 | 7/8 | 5/8 | 2 | 33 | — | — | 41 1/2 | 67 |
| 26-115B | 26-92B | EXT | 1/2 | 7/8 | 7/8 | 5/8 | 2 | 37 | — | — | 45 1/2 | 74 |
| 36-145B | 36-120B | EXT | 1/2 | 7/8 | 7/8 | 5/8 | 2 | 55 | — | — | 63 1/2 | 105 |
| 36-170B | 36-140B | EXT | 1/2 | 1-1/8 | 1-1/8 | 5/8 | 2 | 55 | — | — | 63 1/2 | 115 |
| 46-192B | 46-164B | EXT | 1/2 | 1-1/8 | 1-1/8 | 5/8 | 3 | 36 1/2 | 36 1/2 | — | 81 1/2 | 140 |
| 46-230B | 46-185B | EXT | 1/2 | 1-1/8 | 1-1/8 | 5/8 | 3 | 36 1/2 | 36 1/2 | — | 81 1/2 | 155 |
| 56-245B | 56-210B | EXT | 1/2 | 1-1/8 | 1-1/8 | 5/8 | 3 | 54 1/2 | 36 1/2 | — | 99 1/2 | 225 |
| 66-295B | 66-245B | EXT | 1/2 | 1-1/8 | 1-1/8 | 5/8 | 4 | 36 1/2 | 36 | 36 1/2 | 117 1/2 | 250 |
| 66-345B | 66-280B | EXT | 1/2 | 1-1/8 | 1-1/8 | 5/8 | 4 | 36 1/2 | 36 | 36 1/2 | 117 1/2 | 270 |
| 14-42B | 14-37B | EXT | 1/2 ODS | 5/8 ODS | 5/8 ODS | 5/8 | 2 | 19 | — | — | 27 1/2 | 42 |
| 24-84B | 24-72B | EXT | 1/2 | 7/8 | 7/8 | 5/8 | 2 | 37 | — | — | 45 1/2 | 67 |
| 24-105B | 24-85B | EXT | 1/2 | 7/8 | 7/8 | 5/8 | 2 | 37 | — | — | 45 1/2 | 72 |
| 34-130B | 34-105B | EXT | 1/2 | 7/8 | 7/8 | 5/8 | 2 | 55 | — | — | 63 1/2 | 100 |
| 44-170B | 44-140B | EXT | 1/2 | 7/8 | 1-1/8 | 5/8 | 3 | 36 1/2 | 36 1/2 | — | 81 1/2 | 135 |
| 54-215B | 54-180B | EXT | 1/2 | 1-1/8 | 1-1/8 | 5/8 | 3 | 54 1/2 | 36 1/2 | — | 99 1/2 | 220 |
| 64-255B | 64-215B | EXT | 1/2 | 1-1/8 | 1-1/8 | 5/8 | 4 | 36 1/2 | 36 | 36 1/2 | 117 1/2 | 245 |

† Optional Extended Flare Kit available upon request for field installation.

‡ Hot gas connections only apply to the AH models.

Installation Notes:

- (1) Install 12" away from back wall.
- (2) Drain connection on AA and AE units are centered on drain pan; and on the left end (facing air discharge) on AH and AG units.
- (3) For long air throw requirements, specify high throw fan guard.
- (4) Unit height at drain end of hot gas models is as follows: 1, 2, and 3 fan models = 15 1/8"; 4, 5 and 6 fan models = 16 1/4".

