

4SHP14LB

PRODUCT SPECIFICATIONS

SPLIT HEAT PUMP SYSTEM
UP TO 15 SEER & 9.0 HSPF

FORM NO. 4SHP14LB-100 (08/2021)



COMPRESSOR

- High-efficiency scroll compressor
- R410A refrigerant
- Grommet mounted compressor for quiet operation
- Heavy-duty compressor sound blanket for quiet operation (optional accessory)
- Internally protected against high temperature motor overload conditions

CABINET

- Full metal louvered panel with 2 screws to remove for ease of coil cleaning and service
- Corner-mounted controls for easy service
- Rounded corners for safety and attractive, clean appearance
- Baked polyester paint finished over galvanized steel for maximum durability
- Removable PVC coated wire fan discharge grill
- 45-degree offset gauge ports for easy service
- Removable service panel for internal access

COILS

- Omniguard™ total corrosion protection technology designed coil.
- Enhanced tube-and-fin coil design featuring MHT™ Technology
- Lanced fins for maximum heat transfer
- Factory tested for leakproof construction
- Raised coil prevents debris from impeding airflow

DESIGN

- Designed to perform in temperatures up to 125°F
- Designed to perform in temperatures down to 0°F

COMPONENTS

- Factory installed crankcase heater (on select models)
- Factory installed high and low pressure switches
- Thread-on pressure switches with Schrader core for simple, quick replacement
- Filter drier shipped loose for installation flexibility
- Fan orifice for smoother airflow and sound level reduction
- Charged for 15 feet of line set
- Discharge muffler for quiet operation
- Quiet Shift™ capable to reduce noise during defrost

WARRANTY

10 year limited warranty on compressor
10 year limited warranty on all parts, extended warranty available*

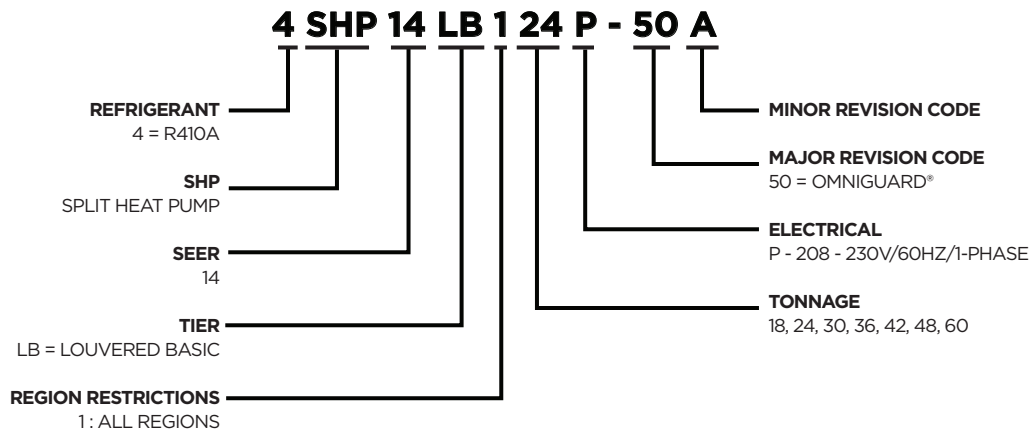
**Warranty provides for a total of 10 years of limited warranty coverage (Standard 5-year limited parts warranty plus an additional 5-year limited extended parts warranty). Warranty must be registered online within 60 days of installation to qualify for 10-year coverage. Unregistered equipment defaults to 5-year coverage. See full warranty at www.alliedair.com for terms, conditions, and exclusions.*

NOTE:

For the latest AHRI system matches, please visit www.alliedratings.com or www.AHRIdirectory.org



MODEL NUMBER GUIDE



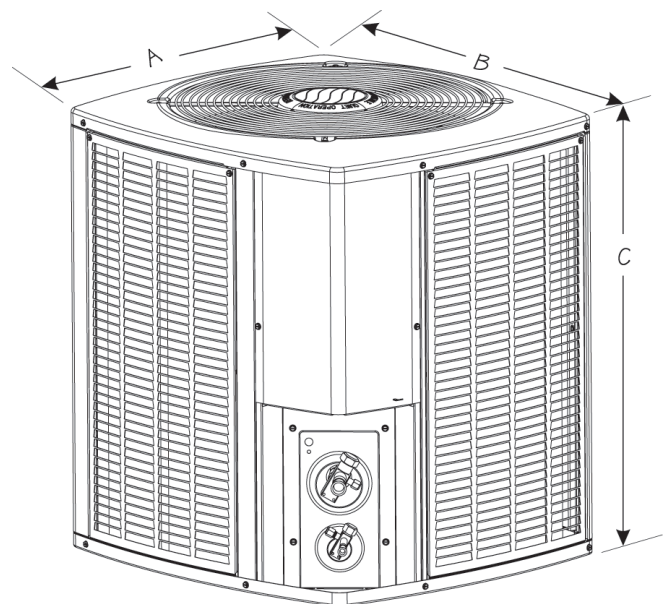
PHYSICAL AND ELECTRICAL DATA

| Model | Voltage/Hz/Phase | Voltage Range | Min. Circuit Amp. | Max. Over Current Device (amps) | Compressor | | Outdoor Fan Motor | | |
|-----------------|------------------|---------------|-------------------|---------------------------------|-------------------|---------------------|-------------------|----------|----------|
| | | | | | Rated Load (amps) | Locked Rotor (amps) | Full Load (amps) | Rated HP | Nom. RPM |
| 4SHP14LB118P-50 | 208-230/60/1 | 197-253 | 12.3 | 20 | 9.0 | 48 | 1.0 | 1/6 | 825 |
| 4SHP14LB124P-50 | 208-230/60/1 | 197-253 | 13.6 | 20 | 10.1 | 52 | 1.0 | 1/6 | 825 |
| 4SHP14LB130P-50 | 208-230/60/1 | 197-253 | 17.0 | 25 | 12.8 | 64 | 1.0 | 1/6 | 825 |
| 4SHP14LB136P-50 | 208-230/60/1 | 197-253 | 18.6 | 30 | 14.1 | 72 | 1.0 | 1/6 | 825 |
| 4SHP14LB142P-50 | 208-230/60/1 | 197-253 | 25.8 | 40 | 19.2 | 124 | 1.8 | 1/3 | 825 |
| 4SHP14LB148P-50 | 208-230/60/1 | 197-253 | 26.2 | 45 | 19.6 | 130 | 1.8 | 1/3 | 825 |
| 4SHP14LB160P-50 | 208-230/60/1 | 197-253 | 29.4 | 50 | 22.1 | 128 | 1.8 | 1/3 | 825 |

UNIT DIMENSIONS (IN.)

| Model | Dimensions (inch) | | | Shipping Weight (lbs.) |
|-----------------|-------------------|-----------|------------|------------------------|
| | A - Width | B - Depth | C - Height | |
| 4SHP14LB118P-50 | 29.25 | 31.25 | 43.75 | 202 |
| 4SHP14LB124P-50 | 29.25 | 31.25 | 43.75 | 203 |
| 4SHP14LB130P-50 | 29.25 | 31.25 | 43.75 | 200 |
| 4SHP14LB136P-50 | 29.25 | 31.25 | 37.75 | 219 |
| 4SHP14LB142P-50 | 35.75 | 37.75 | 37.75 | 285 |
| 4SHP14LB148P-50 | 35.75 | 37.75 | 37.75 | 287 |
| 4SHP14LB160P-50 | 35.75 | 37.75 | 43.75 | 331 |

*Note: Dimensions listed are unit sizes w/o packaging
Weights listed are unit weights with packaging*



SOUND RATINGS

| Model | Sound Power ¹ | Estimated Sound Pressure (dBA) ² | | |
|-----------------|--------------------------|---|------------------------|------------------------|
| | | Approximate Distance ³ | | |
| | | 3.3 Feet (1 Meter) | 6.6 Feet (2 Meters) | 9.8 Feet (3 Meters) |
| 4SHP14LB118P-50 | 76 | 68 | 62 | 58 |
| 4SHP14LB124P-50 | 76 | 68 | 62 | 58 |
| 4SHP14LB130P-50 | 74 | 66 | 60 | 56 |
| 4SHP14LB136P-50 | 78 | 70 | 64 | 60 |
| 4SHP14LB142P-50 | 80 | 72 | 66 | 62 |
| 4SHP14LB148P-50 | 80 | 72 | 66 | 62 |
| 4SHP14LB160P-50 | 78 | 70 | 64 | 60 |

1 Rated in accordance with AHRI standard 270 (2015). AHRI Standard 270 establishes a method of rating outdoor unitary equipment in terms of Sound Power.

2 Rated in accordance with AHRI standard 275 (2010). AHRI Standard 275 provides the calculations for estimating the A-Weighted Sound Pressure at a given distance from the equipment. That is a more useful number because that is what humans will hear.

3 Based only on distance factor; other factors may change this value such as:

- Unit location (reflective surfaces adjacent to the unit)
- Barrier shielding sources
- Sound path/elevation
- Outside noise sources

ACCESSORIES

| System Accessory | Where Used | Kit Number | Purpose |
|---|-------------------|-------------------|--|
| Liquid Line solenoid | All models | 60M52 | Prevents liquid migration to the compressor especially for high liquid riser applications |
| Low ambient HP units (cooling operation) | All models | 54M89 | Enables cooling demand down to 30 °F. Will require freeze stat, CC heater and TXV. |
| Mild ambient (heating operation) | All models | 11B97 | Enables heating demand above 60 °F ambient |
| Cold weather | All models | 1.921145 | To allow unit to operate at very low ambient conditions (older models). Board integrated feature on new models |
| Fossil Fuel Kit (Heat Pump Only) | All models | 1.841185 | Required for furnace with heat pump installations |
| Hard Start | 24 & 36 | 10J42 | Scroll compressors usually do not require hard start; maybe needed for utility brown-out or low voltage areas |
| Hard Start | 48 & 60 | 81J69 | |
| Crankcase Heater | 18, 24, 30 | 93M04 | Prevents liquid migration to compressor in cold weather |
| Crankcase Heater | 36, 42, 48, 60 | Factory Installed | |
| Sound Cover | 18, 24, 30, 36 | 14W00 | Lowers compressor sound level |
| Sound Cover | 42, 48, 60 | 14W01 | |
| Loss of Charge Kit | Factory Installed | | Protects the compressor if refrigerant charge is too low |
| Additional System Accessories (indoor section) | | | |
| TXV Kit | 18, 24, 30 | H4TXV01 | TXVs provide superior refrigerant flow control, comfort and efficiency compared to pistons |
| | 36, 42, 48 | H4TXV02 | |
| | 60 | H4TXV03 | |
| Outdoor Thermostat - electric heat | All models | 10Z23 | Prevents electric heat operation above specific ambient conditions |
| Outdoor Thermostat - mounting box | All models | 31461 | Mounting box for outdoor thermostat |
| Freeze stat | All models | 93G35 | Protects the compressor at low suction pressure conditions |
| Over flow switch | All models | 11U75 | Turn the system off, if condensate water overflows due to clogged drain pipes |

REFRIGERATION DATA

| Model | Factory Refrig. Charge (Oz.)* | TXV | Refrigerant Line Size | | Outdoor Unit Connection | | Indoor Unit Connection | |
|-----------------|-------------------------------|---------|-----------------------|--------|-------------------------|--------|------------------------|--------|
| | | | Suction | Liquid | Suction | Liquid | Suction | Liquid |
| 4SHP14LB118P-50 | 106 | H4TXV01 | 3/4 | 3/8 | 3/4 | 3/8 | 3/4 | 3/8 |
| 4SHP14LB124P-50 | 98 | H4TXV01 | 3/4 | 3/8 | 3/4 | 3/8 | 3/4 | 3/8 |
| 4SHP14LB130P-50 | 105 | H4TXV01 | 3/4 | 3/8 | 3/4 | 3/8 | 3/4 | 3/8 |
| 4SHP14LB136P-50 | 136 | H4TXV02 | 7/8 | 3/8 | 7/8 | 3/8 | 3/4 | 3/8 |
| 4SHP14LB142P-50 | 147 | H4TXV02 | 7/8 | 3/8 | 7/8 | 3/8 | 7/8 | 3/8 |
| 4SHP14LB148P-50 | 159 | H4TXV02 | 7/8 | 3/8 | 7/8 | 3/8 | 7/8 | 3/8 |
| 4SHP14LB160P-50 | 180 | H4TXV03 | 1-1/8 | 3/8 | 7/8 | 3/8 | 7/8 | 3/8 |

* Factory charged for 15 feet of line set; adjust per installation instructions.
 Refrigerant charge also varies with indoor unit; Refer refrigerant charge label

COOLING PERFORMANCE WITH DTC¹

| Outdoor Model | Indoor Model Evap. Coil or Air Handler ³ | Cooling | | | | Heating | | | | |
|-----------------|--|---------|-------|----------------------------------|-------------------|---------|-------|-----|-------|-----|
| | | SEER | EER | AHRI Rated Capacity ² | Sensible Capacity | HSPF | 47° | | 17° | |
| | | | | | | | Btuh | COP | Btuh | COP |
| 4SHP14LB118P-50 | BCE5C18MA4X | 14.00 | 12.00 | 18000 | 14200 | 8.20 | 17600 | 3.5 | 10800 | 2.3 |
| 4SHP14LB124P-50 | BCE5C24MA4X | 14.00 | 12.00 | 23800 | 19000 | 8.20 | 22200 | 3.6 | 14300 | 2.4 |
| 4SHP14LB130P-50 | BCE5C30MA4X | 14.00 | 11.50 | 29600 | 23200 | 8.20 | 27000 | 3.5 | 17500 | 2.4 |
| 4SHP14LB136P-50 | BCE5C36MA4X | 14.00 | 12.00 | 33400 | 25800 | 8.20 | 31200 | 3.4 | 20000 | 2.4 |
| 4SHP14LB142P-50 | BCE5C42MA4X | 14.00 | 12.00 | 40500 | 29500 | 8.20 | 39500 | 3.2 | 26200 | 2.4 |
| 4SHP14LB148P-50 | BCE5C48MA4X | 14.00 | 11.50 | 47500 | 36000 | 8.20 | 46000 | 3.3 | 29000 | 2.4 |
| 4SHP14LB160P-50 | BCE5C60MA4X | 14.00 | 12.00 | 56500 | 41500 | 8.20 | 54500 | 3.5 | 35400 | 2.6 |

Note:
 1 DTC = Designated Tested Combination
 2 Certified in accordance with Unitary Air Conditioner Certification Program, which is based on AHRI Standard 210/240
 3 A blower time delay relay is standard on all Allied Air Enterprises furnace and AH products.

NOTE:

For the latest AHRI system matches, please visit www.alliedratings.com or www.AHRIdirectory.org

COOLING PERFORMANCE EXTENDED RATINGS

Note: Shaded area is AHRI Rating Conditions

| Indoor Wet Bulb Temperature | | Outdoor Air Temperature Entering Outdoor Coil | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------|-----|---|----------------|----------------|-------------------------------|-----------------|----------------|-------------------|----------------|-----------------|------------------------|----------------|----------------|-------------------------------|----------------|----------------|-------------------|-----------------|----------------|------------------------|----------------|-----------------|-------------------------------|----------------|----------------|-------------------|----------------|----------------|------------------------|-----------------|----------------|-------------------------------|------|------|-------------------|--|--|
| | | 85° F (29.4° C) | | | | | | 95° F (35° C) | | | | | | 105° F (40.6° C) | | | | | | 115° F (46.1° C) | | | | | | 125° F (51.7° C) | | | | | | | | | | | |
| | | Total Cooling Capacity | | | Sensible To Total Ratio (S/T) | | | Comp. Motor Watts | | | Total Cooling Capacity | | | Sensible To Total Ratio (S/T) | | | Comp. Motor Watts | | | Total Cooling Capacity | | | Sensible To Total Ratio (S/T) | | | Comp. Motor Watts | | | Total Cooling Capacity | | | Sensible To Total Ratio (S/T) | | | Comp. Motor Watts | | |
| | | kBTuh | 80°F 26.7°C | 85°F 29.4°C | 75°F 23.9°C | Indoor Dry Bulb | 80°F 26.7°C | 85°F 29.4°C | 75°F 23.9°C | Indoor Dry Bulb | 80°F 26.7°C | 85°F 29.4°C | 75°F 23.9°C | Indoor Dry Bulb | 80°F 26.7°C | 85°F 29.4°C | 75°F 23.9°C | Indoor Dry Bulb | 80°F 26.7°C | 85°F 29.4°C | 75°F 23.9°C | Indoor Dry Bulb | 80°F 26.7°C | 85°F 29.4°C | 75°F 23.9°C | Indoor Dry Bulb | 80°F 26.7°C | 85°F 29.4°C | 75°F 23.9°C | Indoor Dry Bulb | 80°F 26.7°C | 85°F 29.4°C | | | | | |
| | | 4SHPI4LB18P-50 - BCE5C18M*4X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 59°F (15°C) | 525 | 16.8 | 1040 | .91 | 1.00 | 1.00 | 1180 | .94 | 1.00 | 1.00 | 15.4 | 1340 | .97 | 1.00 | 1.00 | 14.5 | 1510 | 1.00 | 1.00 | 13.5 | 1710 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | | | | |
| | 675 | 18.3 | 1030 | .99 | 1.00 | 1.00 | 1180 | 1.00 | 1.00 | 1.00 | 16.7 | 1340 | 1.00 | 1.00 | 1.00 | 15.7 | 1510 | 1.00 | 1.00 | 14.6 | 1710 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | | | | |
| | 710 | 18.6 | 1030 | 1.00 | 1.00 | 1.00 | 1180 | 1.00 | 1.00 | 1.00 | 16.9 | 1340 | 1.00 | 1.00 | 1.00 | 15.9 | 1510 | 1.00 | 1.00 | 14.9 | 1710 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | | | | |
| 63°F (17.2°C) | 525 | 17.6 | 1030 | .74 | .88 | 1.00 | 1180 | .76 | .90 | 1.00 | 15.7 | 1340 | .78 | .93 | 1.00 | 14.7 | 1510 | .80 | .97 | 1.00 | 13.5 | 1710 | .84 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | | | | |
| | 675 | 18.6 | 1030 | .80 | .96 | 1.00 | 1180 | .82 | .99 | 1.00 | 16.6 | 1340 | .85 | 1.00 | 1.00 | 15.7 | 1510 | .88 | 1.00 | 1.00 | 14.7 | 1710 | .92 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | | | |
| | 710 | 18.8 | 1030 | .81 | .98 | 1.00 | 1180 | .83 | 1.00 | 1.00 | 16.9 | 1340 | .86 | 1.00 | 1.00 | 15.9 | 1520 | .90 | 1.00 | 1.00 | 14.9 | 1710 | .94 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | | | |
| 67°F (19.4°C) | 525 | 18.6 | 1030 | .59 | .72 | .84 | 1170 | .60 | .73 | .87 | 16.7 | 1340 | .61 | .75 | .89 | 15.6 | 1510 | .62 | .78 | .93 | 14.5 | 1710 | .64 | .81 | .97 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | | | |
| | 675 | 19.6 | 1020 | .63 | .78 | .93 | 1170 | .64 | .80 | .95 | 17.6 | 1340 | .65 | .82 | .99 | 16.4 | 1520 | .67 | .85 | 1.00 | 15.2 | 1710 | .69 | .89 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | | |
| | 710 | 19.8 | 1020 | .63 | .79 | .95 | 1170 | .64 | .81 | .97 | 17.7 | 1340 | .66 | .83 | 1.00 | 16.6 | 1510 | .68 | .87 | 1.00 | 15.3 | 1710 | .71 | .91 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | | |
| 71°F (21.7°C) | 525 | 19.6 | 1020 | .45 | .57 | .69 | 1170 | .45 | .58 | .70 | 17.7 | 1340 | .45 | .59 | .73 | 16.6 | 1520 | .46 | .61 | .75 | 15.4 | 1710 | .47 | .63 | .78 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | | |
| | 675 | 20.6 | 1010 | .47 | .61 | .76 | 1170 | .47 | .62 | .77 | 18.6 | 1340 | .47 | .64 | .80 | 17.4 | 1520 | .48 | .65 | .83 | 16.2 | 1710 | .49 | .68 | .86 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | | |
| | 710 | 20.8 | 1010 | .47 | .62 | .77 | 1170 | .47 | .63 | .79 | 18.8 | 1340 | .48 | .65 | .81 | 17.6 | 1520 | .49 | .67 | .84 | 16.4 | 1720 | .49 | .69 | .88 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | | |
| | | 4SHPI4LB124P-50 - BCE5C24M*4X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 59°F (15°C) | 680 | 22.4 | 1380 | .93 | 1.00 | 1.00 | 1550 | .96 | 1.00 | 1.00 | 20.4 | 1750 | .99 | 1.00 | 1.00 | 19.2 | 2000 | 1.00 | 1.00 | 18.0 | 2320 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | | | |
| | 875 | 24.4 | 1360 | 1.00 | 1.00 | 1.00 | 1540 | 1.00 | 1.00 | 1.00 | 22.2 | 1740 | 1.00 | 1.00 | 1.00 | 20.8 | 1980 | 1.00 | 1.00 | 19.4 | 2310 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | | | |
| | 915 | 24.6 | 1360 | 1.00 | 1.00 | 1.00 | 1530 | 1.00 | 1.00 | 1.00 | 22.4 | 1730 | 1.00 | 1.00 | 1.00 | 21.0 | 1980 | 1.00 | 1.00 | 19.6 | 2300 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | | | |
| 63°F (17.2°C) | 680 | 23.2 | 1370 | .75 | .89 | 1.00 | 1550 | .77 | .92 | 1.00 | 20.8 | 1750 | .79 | .95 | 1.00 | 19.4 | 2000 | .82 | .98 | 1.00 | 18.0 | 2330 | .85 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | | |
| | 875 | 24.6 | 1360 | .81 | .98 | 1.00 | 1540 | .84 | 1.00 | 1.00 | 22.0 | 1730 | .86 | 1.00 | 1.00 | 20.8 | 1990 | .90 | 1.00 | 19.4 | 2310 | .94 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | | |
| | 915 | 24.8 | 1360 | .83 | .99 | 1.00 | 1530 | .85 | 1.00 | 1.00 | 22.4 | 1730 | .88 | 1.00 | 1.00 | 21.0 | 1990 | .91 | 1.00 | 19.7 | 2310 | .96 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | | |
| 67°F (19.4°C) | 680 | 24.8 | 1360 | .59 | .73 | .86 | 1530 | .60 | .74 | .88 | 22.2 | 1740 | .61 | .77 | .91 | 20.6 | 1980 | .63 | .79 | .95 | 19.1 | 2310 | .65 | .82 | .99 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | | |
| | 875 | 26.0 | 1350 | .63 | .79 | .94 | 1520 | .64 | .81 | .97 | 23.4 | 1720 | .66 | .84 | 1.00 | 21.6 | 1970 | .68 | .87 | 1.00 | 20.0 | 2300 | .70 | .91 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | | |
| | 915 | 26.2 | 1340 | .64 | .80 | .96 | 1520 | .65 | .82 | .99 | 23.4 | 1720 | .67 | .85 | 1.00 | 21.8 | 1970 | .69 | .89 | 1.00 | 20.0 | 2290 | .71 | .93 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | | |
| 71°F (21.7°C) | 680 | 26.0 | 1340 | .45 | .57 | .70 | 1520 | .45 | .59 | .72 | 23.4 | 1720 | .46 | .60 | .74 | 22.0 | 1970 | .46 | .61 | .76 | 20.4 | 2290 | .47 | .63 | .79 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | | |
| | 875 | 27.6 | 1330 | .46 | .62 | .76 | 1500 | .47 | .63 | .79 | 24.8 | 1700 | .48 | .64 | .81 | 23.0 | 1950 | .48 | .66 | .84 | 21.4 | 2280 | .49 | .69 | .88 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | | |
| | 915 | 27.8 | 1320 | .47 | .62 | .78 | 1500 | .47 | .64 | .80 | 25.0 | 1700 | .48 | .65 | .82 | 23.2 | 1950 | .49 | .67 | .86 | 21.4 | 2270 | .50 | .70 | .89 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | | |

COOLING PERFORMANCE EXTENDED RATINGS

Note: Shaded area is AHRI Rating Conditions

| Indoor Wet Bulb Temperature | | Outdoor Air Temperature Entering Outdoor Coil | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------|------|---|-------------|-------------|-------------------------------|-------------|-------------|-------------------|-------|-------------|------------------------|-------------|-------------|-------------------------------|-------|-------|-------------------|-------------|-------------|------------------------|-------------|-------|-------------------------------|-------------|-------------|-------------------|-------------|-------------|------------------------|-------|-------------|-------------------------------|-------------|-------------|-------------------|-------|--|
| | | 85° F (29.4° C) | | | | | | 95° F (35° C) | | | | | | 105° F (40.6° C) | | | | | | 115° F (46.1° C) | | | | | | 125° F (51.7° C) | | | | | | | | | | | |
| | | Total Cooling Capacity | | | Sensible To Total Ratio (S/T) | | | Comp. Motor Watts | | | Total Cooling Capacity | | | Sensible To Total Ratio (S/T) | | | Comp. Motor Watts | | | Total Cooling Capacity | | | Sensible To Total Ratio (S/T) | | | Comp. Motor Watts | | | Total Cooling Capacity | | | Sensible To Total Ratio (S/T) | | | Comp. Motor Watts | | |
| | | kBTuh | 80°F 26.7°C | 85°F 29.4°C | 75°F 23.9°C | 80°F 26.7°C | 85°F 29.4°C | Input | kBTuh | 80°F 26.7°C | 85°F 29.4°C | 75°F 23.9°C | 80°F 26.7°C | 85°F 29.4°C | Input | kBTuh | 80°F 26.7°C | 85°F 29.4°C | 75°F 23.9°C | 80°F 26.7°C | 85°F 29.4°C | Input | kBTuh | 80°F 26.7°C | 85°F 29.4°C | 75°F 23.9°C | 80°F 26.7°C | 85°F 29.4°C | Input | kBTuh | 80°F 26.7°C | 85°F 29.4°C | 75°F 23.9°C | 80°F 26.7°C | 85°F 29.4°C | Input | |
| 59°F (15°C) | | 4SHPI4LB130P-50 - BCE5C30M*4X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 845 | 28.4 | 1680 | .93 | 1.00 | 1.00 | 1900 | .95 | 1.00 | 1.00 | 258 | 2160 | .98 | 1.00 | 1.00 | 242 | 2440 | 1.00 | 1.00 | 1.00 | 24.2 | 2440 | 1.00 | 1.00 | 1.00 | 22.6 | 2790 | 1.00 | 1.00 | 1.00 | 22.6 | 2790 | 1.00 | 1.00 | 1.00 | |
| | | 1025 | 30.2 | 1690 | .99 | 1.00 | 1.00 | 1910 | 1.00 | 1.00 | 1.00 | 27.4 | 2170 | 1.00 | 1.00 | 1.00 | 25.6 | 2460 | 1.00 | 1.00 | 1.00 | 26.4 | 2460 | 1.00 | 1.00 | 1.00 | 23.8 | 2790 | 1.00 | 1.00 | 1.00 | 23.8 | 2790 | 1.00 | 1.00 | 1.00 | |
| 63°F (17.2°C) | | 1150 | 31.2 | 1700 | 1.00 | 1.00 | 1920 | 1.00 | 1.00 | 1.00 | 28.2 | 2170 | 1.00 | 1.00 | 1.00 | 26.4 | 2460 | 1.00 | 1.00 | 1.00 | 26.4 | 2460 | 1.00 | 1.00 | 1.00 | 24.6 | 2800 | 1.00 | 1.00 | 1.00 | 24.6 | 2800 | 1.00 | 1.00 | 1.00 | | |
| | | 845 | 29.4 | 1680 | .75 | .89 | 1.00 | 1910 | .76 | .92 | 1.00 | 26.2 | 2160 | .79 | .95 | 1.00 | 24.4 | 2440 | .82 | .98 | 1.00 | 24.4 | 2440 | .82 | .98 | 1.00 | 22.6 | 2790 | .85 | 1.00 | 1.00 | 22.6 | 2790 | .85 | 1.00 | 1.00 | |
| | | 1025 | 30.6 | 1690 | .80 | .95 | 1.00 | 1910 | .82 | .98 | 1.00 | 27.4 | 2160 | .84 | 1.00 | 1.00 | 25.6 | 2460 | .88 | 1.00 | 1.00 | 25.6 | 2460 | .88 | 1.00 | 1.00 | 23.8 | 2800 | .92 | 1.00 | 1.00 | 23.8 | 2800 | .92 | 1.00 | 1.00 | |
| 67°F (19.4°C) | | 1150 | 31.4 | 1700 | .83 | .99 | 1.00 | 1920 | .85 | 1.00 | 1.00 | 28.2 | 2170 | .88 | 1.00 | 1.00 | 26.4 | 2460 | .92 | 1.00 | 1.00 | 26.4 | 2460 | .92 | 1.00 | 1.00 | 24.6 | 2800 | .96 | 1.00 | 1.00 | 24.6 | 2800 | .96 | 1.00 | 1.00 | |
| | | 845 | 31.2 | 1690 | .59 | .73 | .86 | 1920 | .60 | .74 | .88 | 27.8 | 2170 | .62 | .76 | .91 | 26.0 | 2460 | .63 | .79 | .95 | 26.0 | 2460 | .63 | .79 | .95 | 23.8 | 2800 | .65 | .83 | .99 | 23.8 | 2800 | .65 | .83 | .99 | |
| | | 1025 | 32.6 | 1700 | .62 | .77 | .92 | 1930 | .63 | .80 | .95 | 29.0 | 2180 | .65 | .82 | .98 | 27.0 | 2460 | .67 | .85 | 1.00 | 27.0 | 2460 | .67 | .85 | 1.00 | 24.6 | 2800 | .69 | .89 | 1.00 | 24.6 | 2800 | .69 | .89 | 1.00 | |
| 71°F (21.7°C) | | 1150 | 33.2 | 1710 | .64 | .80 | .96 | 1930 | .65 | .83 | .99 | 29.6 | 2180 | .67 | .85 | 1.00 | 27.4 | 2470 | .69 | .89 | 1.00 | 27.4 | 2470 | .69 | .89 | 1.00 | 25.2 | 2810 | .72 | .94 | 1.00 | 25.2 | 2810 | .72 | .94 | 1.00 | |
| | | 845 | 33.0 | 1700 | .45 | .58 | .70 | 1930 | .45 | .58 | .72 | 29.6 | 2180 | .46 | .60 | .74 | 27.4 | 2470 | .46 | .62 | .77 | 27.4 | 2470 | .46 | .62 | .77 | 25.4 | 2810 | .47 | .64 | .80 | 25.4 | 2810 | .47 | .64 | .80 | |
| | | 1025 | 34.4 | 1710 | .46 | .61 | .75 | 1940 | .47 | .62 | .77 | 30.6 | 2190 | .47 | .63 | .79 | 28.6 | 2480 | .48 | .65 | .83 | 28.6 | 2480 | .48 | .65 | .83 | 26.2 | 2810 | .49 | .68 | .87 | 26.2 | 2810 | .49 | .68 | .87 | |
| 1150 | 35.0 | 1720 | .47 | .62 | .78 | 1940 | .47 | .64 | .80 | 31.2 | 2190 | .48 | .66 | .83 | 29.0 | 2480 | .49 | .68 | .87 | 29.0 | 2480 | .49 | .68 | .87 | 26.8 | 2820 | .50 | .71 | .91 | 26.8 | 2820 | .50 | .71 | .91 | | | |

| Indoor Wet Bulb Temperature | | Outdoor Air Temperature Entering Outdoor Coil | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------|------|---|-------------|-------------|-------------------------------|-------------|-------------|-------------------|-------|-------------|------------------------|-------------|-------------|-------------------------------|-------|-------|-------------------|-------------|-------------|------------------------|-------------|-------|-------------------------------|-------------|-------------|-------------------|-------------|-------------|------------------------|-------|-------------|-------------------------------|-------------|-------------|-------------------|-------|--|
| | | 85° F (29.4° C) | | | | | | 95° F (35° C) | | | | | | 105° F (40.6° C) | | | | | | 115° F (46.1° C) | | | | | | 125° F (51.7° C) | | | | | | | | | | | |
| | | Total Cooling Capacity | | | Sensible To Total Ratio (S/T) | | | Comp. Motor Watts | | | Total Cooling Capacity | | | Sensible To Total Ratio (S/T) | | | Comp. Motor Watts | | | Total Cooling Capacity | | | Sensible To Total Ratio (S/T) | | | Comp. Motor Watts | | | Total Cooling Capacity | | | Sensible To Total Ratio (S/T) | | | Comp. Motor Watts | | |
| | | kBTuh | 80°F 26.7°C | 85°F 29.4°C | 75°F 23.9°C | 80°F 26.7°C | 85°F 29.4°C | Input | kBTuh | 80°F 26.7°C | 85°F 29.4°C | 75°F 23.9°C | 80°F 26.7°C | 85°F 29.4°C | Input | kBTuh | 80°F 26.7°C | 85°F 29.4°C | 75°F 23.9°C | 80°F 26.7°C | 85°F 29.4°C | Input | kBTuh | 80°F 26.7°C | 85°F 29.4°C | 75°F 23.9°C | 80°F 26.7°C | 85°F 29.4°C | Input | kBTuh | 80°F 26.7°C | 85°F 29.4°C | 75°F 23.9°C | 80°F 26.7°C | 85°F 29.4°C | Input | |
| 59°F (15°C) | | 4SHPI4LB136P-50 - BCE5C36M*4X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 1050 | 32.6 | 1910 | .93 | 1.00 | 1.00 | 2170 | .95 | 1.00 | 1.00 | 29.8 | 2450 | .99 | 1.00 | 1.00 | 28.2 | 2760 | 1.00 | 1.00 | 1.00 | 28.2 | 2760 | 1.00 | 1.00 | 1.00 | 26.4 | 3130 | 1.00 | 1.00 | 1.00 | 26.4 | 3130 | 1.00 | 1.00 | 1.00 | |
| | | 1200 | 34.0 | 1910 | .98 | 1.00 | 1.00 | 2170 | 1.00 | 1.00 | 1.00 | 31.0 | 2450 | 1.00 | 1.00 | 1.00 | 29.4 | 2770 | 1.00 | 1.00 | 1.00 | 29.4 | 2770 | 1.00 | 1.00 | 1.00 | 27.4 | 3140 | 1.00 | 1.00 | 1.00 | 27.4 | 3140 | 1.00 | 1.00 | 1.00 | |
| 63°F (17.2°C) | | 1350 | 35.2 | 1910 | 1.00 | 1.00 | 2170 | 1.00 | 1.00 | 1.00 | 32.0 | 2450 | 1.00 | 1.00 | 1.00 | 30.2 | 2770 | 1.00 | 1.00 | 1.00 | 30.2 | 2770 | 1.00 | 1.00 | 1.00 | 28.2 | 3140 | 1.00 | 1.00 | 1.00 | 28.2 | 3140 | 1.00 | 1.00 | 1.00 | | |
| | | 1050 | 33.6 | 1910 | .71 | .88 | 1.00 | 2170 | .73 | .91 | 1.00 | 30.2 | 2450 | .75 | .95 | 1.00 | 28.2 | 2770 | .78 | .99 | 1.00 | 28.2 | 2770 | .78 | .99 | 1.00 | 26.2 | 3130 | .82 | 1.00 | 1.00 | 26.2 | 3130 | .82 | 1.00 | 1.00 | |
| | | 1200 | 34.6 | 1910 | .74 | .94 | 1.00 | 2170 | .77 | .97 | 1.00 | 31.0 | 2450 | .79 | 1.00 | 1.00 | 29.2 | 2770 | .83 | 1.00 | 1.00 | 29.2 | 2770 | .83 | 1.00 | 1.00 | 27.2 | 3140 | .88 | 1.00 | 1.00 | 27.2 | 3140 | .88 | 1.00 | 1.00 | |
| 67°F (19.4°C) | | 1350 | 35.2 | 1910 | .78 | .99 | 1.00 | 2170 | .80 | 1.00 | 1.00 | 32.0 | 2450 | .84 | 1.00 | 1.00 | 30.2 | 2770 | .88 | 1.00 | 1.00 | 30.2 | 2770 | .88 | 1.00 | 1.00 | 28.2 | 3140 | .93 | 1.00 | 1.00 | 28.2 | 3140 | .93 | 1.00 | 1.00 | |
| | | 1050 | 35.4 | 1910 | .56 | .69 | .84 | 2170 | .57 | .70 | .87 | 32.0 | 2450 | .58 | .72 | .90 | 30.0 | 2770 | .59 | .75 | .95 | 30.0 | 2770 | .59 | .75 | .95 | 27.6 | 3140 | .61 | .79 | 1.00 | 27.6 | 3140 | .61 | .79 | 1.00 | |
| | | 1200 | 36.4 | 1910 | .58 | .72 | .89 | 2170 | .59 | .74 | .93 | 32.8 | 2450 | .60 | .76 | .96 | 30.6 | 2770 | .62 | .80 | 1.00 | 30.6 | 2770 | .62 | .80 | 1.00 | 28.2 | 3140 | .64 | .85 | 1.00 | 28.2 | 3140 | .64 | .85 | 1.00 | |
| 71°F (21.7°C) | | 1350 | 37.2 | 1910 | .60 | .75 | .95 | 2170 | .61 | .78 | .98 | 33.4 | 2460 | .62 | .81 | 1.00 | 31.2 | 2770 | .64 | .85 | 1.00 | 31.2 | 2770 | .64 | .85 | 1.00 | 28.8 | 3140 | .66 | .90 | 1.00 | 28.8 | 3140 | .66 | .90 | 1.00 | |
| | | 1050 | 37.4 | 1910 | .42 | .54 | .66 | 2170 | .42 | .56 | .68 | 33.8 | 2450 | .43 | .57 | .70 | 31.8 | 2770 | .44 | .58 | .72 | 31.8 | 2770 | .44 | .58 | .72 | 29.4 | 3140 | .44 | .60 | .76 | 29.4 | 3140 | .44 | .60 | .76 | |
| | | 1200 | 38.5 | 1910 | .43 | .57 | .70 | 2170 | .43 | .58 | .71 | 34.6 | 2460 | .44 | .59 | .74 | 32.4 | 2780 | .45 | .61 | .77 | 32.4 | 2780 | .45 | .61 | .77 | 30.0 | 3150 | .45 | .63 | .81 | 30.0 | 3150 | .45 | .63 | .81 | |
| 1350 | 39.0 | 1900 | .44 | .59 | .73 | 2170 | .44 | .60 | .75 | 35.4 | 2460 | .45 | .61 | .78 | 33.0 | 2780 | .45 | .63 | .82 | 33.0 | 2780 | .45 | .63 | .82 | 30.4 | 3150 | .46 | .66 | .87 | 30.4 | 3150 | .46 | .66 | .87 | | | |

COOLING PERFORMANCE EXTENDED RATINGS

Note: Shaded area is AHRI Rating Conditions

| Indoor Wet Bulb Temperature | | Outdoor Air Temperature Entering Outdoor Coil | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------|------|---|-------------|-------------|-------------------------------|-------------|-------------|-------------------|-------|-------------|------------------------|-------------|-------------|-------------------------------|-------|-------|-------------------|-------------|-------------|------------------------|-------------|-------|-------------------------------|-------------|-------------|-------------------|-------------|-------------|------------------------|-------|-------------|-------------------------------|-------------|-------------|-------------------|-------|------|
| | | 85° F (29.4° C) | | | | | | 95° F (35° C) | | | | | | 105° F (40.6° C) | | | | | | 115° F (46.1° C) | | | | | | 125° F (51.7° C) | | | | | | | | | | | |
| | | Total Cooling Capacity | | | Sensible To Total Ratio (S/T) | | | Comp. Motor Watts | | | Total Cooling Capacity | | | Sensible To Total Ratio (S/T) | | | Comp. Motor Watts | | | Total Cooling Capacity | | | Sensible To Total Ratio (S/T) | | | Comp. Motor Watts | | | Total Cooling Capacity | | | Sensible To Total Ratio (S/T) | | | Comp. Motor Watts | | |
| | | kBTuh | 80°F 26.7°C | 85°F 29.4°C | 75°F 23.9°C | 80°F 26.7°C | 85°F 29.4°C | Input | kBTuh | 80°F 26.7°C | 85°F 29.4°C | 75°F 23.9°C | 80°F 26.7°C | 85°F 29.4°C | Input | kBTuh | 80°F 26.7°C | 85°F 29.4°C | 75°F 23.9°C | 80°F 26.7°C | 85°F 29.4°C | Input | kBTuh | 80°F 26.7°C | 85°F 29.4°C | 75°F 23.9°C | 80°F 26.7°C | 85°F 29.4°C | Input | kBTuh | 80°F 26.7°C | 85°F 29.4°C | 75°F 23.9°C | 80°F 26.7°C | 85°F 29.4°C | Input | |
| 59°F (15°C) | | 45HP14LB142P-50 - BCE5C42M*4X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 1225 | 39.0 | 2280 | .91 | 1.00 | 1.00 | 37.8 | 2580 | .94 | 1.00 | 1.00 | 36.0 | 2930 | .97 | 1.00 | 1.00 | 34.2 | 3310 | 1.00 | 1.00 | 1.00 | 32.0 | 3750 | 1.00 | 1.00 | 1.00 | 32.0 | 3750 | 1.00 | 1.00 | 1.00 | 32.0 | 3750 | 1.00 | 1.00 | 1.00 |
| | | 1400 | 41.0 | 2280 | .96 | 1.00 | 1.00 | 39.5 | 2590 | .99 | 1.00 | 1.00 | 37.4 | 2930 | 1.00 | 1.00 | 1.00 | 35.6 | 3320 | 1.00 | 1.00 | 1.00 | 33.4 | 3750 | 1.00 | 1.00 | 1.00 | 33.4 | 3750 | 1.00 | 1.00 | 1.00 | 33.4 | 3750 | 1.00 | 1.00 | 1.00 |
| 63°F (17.2°C) | | 1575 | 42.5 | 2290 | 1.00 | 1.00 | 40.5 | 2590 | 1.00 | 1.00 | 1.00 | 39.0 | 2930 | 1.00 | 1.00 | 1.00 | 36.8 | 3320 | 1.00 | 1.00 | 1.00 | 34.2 | 3760 | 1.00 | 1.00 | 1.00 | 34.2 | 3760 | 1.00 | 1.00 | 1.00 | 34.2 | 3760 | 1.00 | 1.00 | 1.00 | |
| | | 1225 | 40.5 | 2280 | .71 | .87 | 1.00 | 39.0 | 2590 | .73 | .90 | 1.00 | 36.8 | 2930 | .75 | .93 | 1.00 | 34.6 | 3320 | .77 | .96 | 1.00 | 32.0 | 3760 | .81 | 1.00 | 1.00 | 32.0 | 3760 | .81 | 1.00 | 1.00 | 32.0 | 3760 | .81 | 1.00 | 1.00 |
| | | 1400 | 42.0 | 2290 | .74 | .92 | 1.00 | 40.0 | 2580 | .77 | .95 | 1.00 | 37.8 | 2930 | .79 | .98 | 1.00 | 35.6 | 3320 | .82 | 1.00 | 1.00 | 33.2 | 3750 | .86 | 1.00 | 1.00 | 33.2 | 3750 | .86 | 1.00 | 1.00 | 33.2 | 3750 | .86 | 1.00 | 1.00 |
| 67°F (19.4°C) | | 1575 | 43.0 | 2290 | .77 | .97 | 1.00 | 41.0 | 2590 | .80 | .99 | 1.00 | 39.0 | 2930 | .83 | 1.00 | 1.00 | 36.6 | 3320 | .86 | 1.00 | 1.00 | 34.4 | 3760 | .90 | 1.00 | 1.00 | 34.4 | 3760 | .90 | 1.00 | 1.00 | 34.4 | 3760 | .90 | 1.00 | 1.00 |
| | | 1225 | 43.0 | 2290 | .56 | .69 | .83 | 41.0 | 2590 | .57 | .71 | .85 | 39.0 | 2930 | .58 | .72 | .88 | 36.6 | 3310 | .59 | .75 | .92 | 34.0 | 3760 | .61 | .78 | .97 | 34.0 | 3760 | .61 | .78 | .97 | 34.0 | 3760 | .61 | .78 | .97 |
| | | 1400 | 44.5 | 2290 | .58 | .72 | .88 | 42.5 | 2590 | .59 | .74 | .91 | 40.0 | 2930 | .60 | .76 | .94 | 37.4 | 3320 | .62 | .79 | .98 | 34.8 | 3760 | .64 | .83 | 1.00 | 34.8 | 3760 | .64 | .83 | 1.00 | 34.8 | 3760 | .64 | .83 | 1.00 |
| 71°F (21.7°C) | | 1575 | 45.0 | 2280 | .60 | .75 | .92 | 43.0 | 2590 | .61 | .77 | .96 | 40.5 | 2930 | .62 | .80 | .99 | 38.0 | 3320 | .64 | .84 | 1.00 | 35.4 | 3760 | .66 | .88 | 1.00 | 35.4 | 3760 | .66 | .88 | 1.00 | 35.4 | 3760 | .66 | .88 | 1.00 |
| | | 1225 | 45.5 | 2290 | .43 | .55 | .67 | 43.5 | 2590 | .43 | .56 | .68 | 41.0 | 2930 | .44 | .57 | .70 | 38.5 | 3320 | .44 | .58 | .72 | 36.0 | 3760 | .45 | .60 | .75 | 36.0 | 3760 | .45 | .60 | .75 | 36.0 | 3760 | .45 | .60 | .75 |
| | | 1400 | 46.5 | 2290 | .44 | .57 | .70 | 44.5 | 2590 | .44 | .58 | .72 | 42.5 | 2930 | .44 | .59 | .74 | 39.5 | 3320 | .45 | .61 | .76 | 36.8 | 3760 | .46 | .63 | .80 | 36.8 | 3760 | .46 | .63 | .80 | 36.8 | 3760 | .46 | .63 | .80 |
| 1575 | 47.5 | 2280 | .44 | .59 | .73 | 45.5 | 2590 | .45 | .60 | .74 | 43.0 | 2930 | .45 | .61 | .77 | 40.5 | 3320 | .46 | .63 | .81 | 37.6 | 3760 | .47 | .65 | .85 | 37.6 | 3760 | .47 | .65 | .85 | 37.6 | 3760 | .47 | .65 | .85 | | |

| Indoor Wet Bulb Temperature | | Outdoor Air Temperature Entering Outdoor Coil | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------|------|---|-------------|-------------|-------------------------------|-------------|-------------|-------------------|-------|-------------|------------------------|-------------|-------------|-------------------------------|-------|-------|-------------------|-------------|-------------|------------------------|-------------|-------|-------------------------------|-------------|-------------|-------------------|-------------|-------------|------------------------|-------|-------------|-------------------------------|-------------|-------------|-------------------|-------|------|
| | | 85° F (29.4° C) | | | | | | 95° F (35° C) | | | | | | 105° F (40.6° C) | | | | | | 115° F (46.1° C) | | | | | | 125° F (51.7° C) | | | | | | | | | | | |
| | | Total Cooling Capacity | | | Sensible To Total Ratio (S/T) | | | Comp. Motor Watts | | | Total Cooling Capacity | | | Sensible To Total Ratio (S/T) | | | Comp. Motor Watts | | | Total Cooling Capacity | | | Sensible To Total Ratio (S/T) | | | Comp. Motor Watts | | | Total Cooling Capacity | | | Sensible To Total Ratio (S/T) | | | Comp. Motor Watts | | |
| | | kBTuh | 80°F 26.7°C | 85°F 29.4°C | 75°F 23.9°C | 80°F 26.7°C | 85°F 29.4°C | Input | kBTuh | 80°F 26.7°C | 85°F 29.4°C | 75°F 23.9°C | 80°F 26.7°C | 85°F 29.4°C | Input | kBTuh | 80°F 26.7°C | 85°F 29.4°C | 75°F 23.9°C | 80°F 26.7°C | 85°F 29.4°C | Input | kBTuh | 80°F 26.7°C | 85°F 29.4°C | 75°F 23.9°C | 80°F 26.7°C | 85°F 29.4°C | Input | kBTuh | 80°F 26.7°C | 85°F 29.4°C | 75°F 23.9°C | 80°F 26.7°C | 85°F 29.4°C | Input | |
| 59°F (15°C) | | 45HP14LB148P-50 - BCE5C48M*4X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 1400 | 40.5 | 2800 | .91 | 1.00 | 1.00 | 39.0 | 3180 | .93 | 1.00 | 1.00 | 37.2 | 3620 | .96 | 1.00 | 1.00 | 35.2 | 4120 | 1.00 | 1.00 | 1.00 | 33.0 | 4680 | 1.00 | 1.00 | 1.00 | 33.0 | 4680 | 1.00 | 1.00 | 1.00 | 33.0 | 4680 | 1.00 | 1.00 | 1.00 |
| | | 1595 | 42.5 | 2800 | .95 | 1.00 | 1.00 | 40.5 | 3190 | .98 | 1.00 | 1.00 | 38.5 | 3620 | 1.00 | 1.00 | 1.00 | 36.6 | 4120 | 1.00 | 1.00 | 1.00 | 34.2 | 4690 | 1.00 | 1.00 | 1.00 | 34.2 | 4690 | 1.00 | 1.00 | 1.00 | 34.2 | 4690 | 1.00 | 1.00 | 1.00 |
| 63°F (17.2°C) | | 1840 | 44.0 | 2800 | 1.00 | 1.00 | 42.0 | 3190 | 1.00 | 1.00 | 1.00 | 40.0 | 3630 | 1.00 | 1.00 | 1.00 | 38.0 | 4130 | 1.00 | 1.00 | 1.00 | 35.4 | 4690 | 1.00 | 1.00 | 1.00 | 35.4 | 4690 | 1.00 | 1.00 | 1.00 | 35.4 | 4690 | 1.00 | 1.00 | 1.00 | |
| | | 1400 | 42.0 | 2800 | .71 | .86 | 1.00 | 40.0 | 3190 | .72 | .89 | 1.00 | 38.0 | 3620 | .74 | .92 | 1.00 | 35.6 | 4120 | .77 | .96 | 1.00 | 33.0 | 4680 | .81 | 1.00 | 1.00 | 33.0 | 4680 | .81 | 1.00 | 1.00 | 33.0 | 4680 | .81 | 1.00 | 1.00 |
| | | 1595 | 43.5 | 2810 | .73 | .91 | 1.00 | 41.0 | 3190 | .76 | .94 | 1.00 | 39.0 | 3620 | .79 | .98 | 1.00 | 36.6 | 4120 | .81 | 1.00 | 1.00 | 34.2 | 4680 | .85 | 1.00 | 1.00 | 34.2 | 4680 | .85 | 1.00 | 1.00 | 34.2 | 4680 | .85 | 1.00 | 1.00 |
| 67°F (19.4°C) | | 1840 | 44.5 | 2810 | .78 | .97 | 1.00 | 42.5 | 3190 | .80 | 1.00 | 40.5 | 3630 | .83 | 1.00 | 1.00 | 38.0 | 4120 | .86 | 1.00 | 1.00 | 35.4 | 4690 | .91 | 1.00 | 1.00 | 35.4 | 4690 | .91 | 1.00 | 1.00 | 35.4 | 4690 | .91 | 1.00 | 1.00 | |
| | | 1400 | 44.5 | 2810 | .56 | .69 | .82 | 42.5 | 3190 | .57 | .70 | .85 | 40.0 | 3630 | .58 | .72 | .88 | 37.8 | 4130 | .59 | .74 | .92 | 35.0 | 4690 | .61 | .78 | .97 | 35.0 | 4690 | .61 | .78 | .97 | 35.0 | 4690 | .61 | .78 | .97 |
| | | 1595 | 45.5 | 2810 | .57 | .71 | .87 | 43.5 | 3200 | .59 | .73 | .90 | 41.5 | 3640 | .60 | .76 | .93 | 38.5 | 4130 | .61 | .79 | .98 | 35.8 | 4690 | .63 | .83 | 1.00 | 35.8 | 4690 | .63 | .83 | 1.00 | 35.8 | 4690 | .63 | .83 | 1.00 |
| 71°F (21.7°C) | | 1840 | 47.0 | 2810 | .60 | .75 | .93 | 44.5 | 3200 | .61 | .77 | .96 | 42.0 | 3640 | .62 | .80 | .99 | 39.5 | 4130 | .64 | .84 | 1.00 | 36.4 | 4700 | .66 | .89 | 1.00 | 36.4 | 4700 | .66 | .89 | 1.00 | 36.4 | 4700 | .66 | .89 | 1.00 |
| | | 1400 | 47.0 | 2810 | .43 | .55 | .66 | 45.0 | 3200 | .43 | .55 | .68 | 42.5 | 3640 | .43 | .57 | .70 | 40.0 | 4140 | .44 | .58 | .72 | 37.0 | 4700 | .45 | .60 | .75 | 37.0 | 4700 | .45 | .60 | .75 | 37.0 | 4700 | .45 | .60 | .75 |
| | | 1595 | 48.0 | 2820 | .43 | .56 | .69 | 46.0 | 3200 | .44 | .57 | .71 | 43.5 | 3640 | .44 | .59 | .73 | 41.0 | 4140 | .45 | .60 | .76 | 37.8 | 4700 | .46 | .62 | .80 | 37.8 | 4700 | .46 | .62 | .80 | 37.8 | 4700 | .46 | .62 | .80 |
| 1840 | 49.5 | 2820 | .44 | .59 | .72 | 47.0 | 3210 | .45 | .60 | .75 | 44.5 | 3650 | .45 | .61 | .77 | 42.0 | 4150 | .46 | .63 | .81 | 38.5 | 4710 | .47 | .66 | .86 | 38.5 | 4710 | .47 | .66 | .86 | 38.5 | 4710 | .47 | .66 | .86 | | |

COOLING PERFORMANCE EXTENDED RATINGS

Note: Shaded area is AHRI Rating Conditions

| Indoor Wet Bulb Temperature | | Outdoor Air Temperature Entering Outdoor Coil | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------|--|---|-------------------------|-------------------------------|---------------------------------|-------------------------|-------------------------------|---------------------------------|-------------------------|-------------------------------|---------------------------------|-------------------------|-------------------------------|---------------------------------|-------------------------|-------------------------------|---------------------------------|-------------------------|-------------------------------|---------------------------------|-------------------------|-------------------------------|---------------------------------|-------------------------|-------------------------------|---------------------------------|-------------------------|-------------------------------|---------------------------------|-------------------------|-------------------------------|------------------------|--|--|-------------------------|--|--|
| | | 85° F (29.4° C) | | | | | | 95° F (35° C) | | | | | | 105° F (40.6° C) | | | | | | 115° F (46.1° C) | | | | | | 125° F (51.7° C) | | | | | | | | | | | |
| | | Sensible To Total Ratio (S/T) | | | Total Cooling Capacity | | | Comp. Motor Watts Input | | | Sensible To Total Ratio (S/T) | | | Total Cooling Capacity | | | Comp. Motor Watts Input | | | Sensible To Total Ratio (S/T) | | | Total Cooling Capacity | | | Comp. Motor Watts Input | | | Sensible To Total Ratio (S/T) | | | Total Cooling Capacity | | | Comp. Motor Watts Input | | |
| | | Total Cooling Capacity kBtuh | Comp. Motor Watts Input | Sensible To Total Ratio (S/T) | Total Cooling Capacity kBtuh | Comp. Motor Watts Input | Sensible To Total Ratio (S/T) | Total Cooling Capacity kBtuh | Comp. Motor Watts Input | Sensible To Total Ratio (S/T) | Total Cooling Capacity kBtuh | Comp. Motor Watts Input | Sensible To Total Ratio (S/T) | Total Cooling Capacity kBtuh | Comp. Motor Watts Input | Sensible To Total Ratio (S/T) | Total Cooling Capacity kBtuh | Comp. Motor Watts Input | Sensible To Total Ratio (S/T) | Total Cooling Capacity kBtuh | Comp. Motor Watts Input | Sensible To Total Ratio (S/T) | Total Cooling Capacity kBtuh | Comp. Motor Watts Input | Sensible To Total Ratio (S/T) | Total Cooling Capacity kBtuh | Comp. Motor Watts Input | Sensible To Total Ratio (S/T) | Total Cooling Capacity kBtuh | Comp. Motor Watts Input | Sensible To Total Ratio (S/T) | | | | | | |
| Total Air Volume | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| cfm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 59°F (15°C) | | 1565 | 3430 | .90 | 1.00 | 1.00 | 51.5 | 3860 | .92 | 1.00 | 1.00 | 49.5 | 4350 | .94 | 1.00 | 1.00 | 47.0 | 4910 | .97 | 1.00 | 1.00 | 44.0 | 5580 | 1.00 | 1.00 | 1.00 | 44.0 | 5580 | 1.00 | 1.00 | 1.00 | | | | | | |
| | | 1800 | 3430 | .93 | 1.00 | 1.00 | 54.0 | 3860 | .96 | 1.00 | 1.00 | 51.5 | 4350 | .98 | 1.00 | 1.00 | 48.5 | 4910 | 1.00 | 1.00 | 1.00 | 45.5 | 5570 | 1.00 | 1.00 | 1.00 | 45.5 | 5570 | 1.00 | 1.00 | 1.00 | | | | | | |
| | | 2005 | 3420 | .97 | 1.00 | 1.00 | 55.5 | 3860 | .99 | 1.00 | 1.00 | 53.0 | 4350 | 1.00 | 1.00 | 1.00 | 50.5 | 4910 | 1.00 | 1.00 | 1.00 | 47.0 | 5580 | 1.00 | 1.00 | 1.00 | 47.0 | 5580 | 1.00 | 1.00 | 1.00 | | | | | | |
| | | 1565 | 3430 | .73 | .86 | .98 | 53.5 | 3860 | .75 | .88 | 1.00 | 51.0 | 4350 | .76 | .90 | 1.00 | 47.5 | 4910 | .78 | .94 | 1.00 | 44.5 | 5570 | .81 | .97 | 1.00 | 44.5 | 5570 | .81 | .97 | 1.00 | | | | | | |
| 63°F (17.2°C) | | 1800 | 3420 | .76 | .90 | 1.00 | 55.5 | 3860 | .77 | .92 | 1.00 | 52.5 | 4350 | .79 | .95 | 1.00 | 49.0 | 4910 | .82 | .98 | 1.00 | 45.5 | 5580 | .85 | 1.00 | 1.00 | 45.5 | 5580 | .85 | 1.00 | 1.00 | | | | | | |
| | | 2005 | 3420 | .78 | .93 | 1.00 | 56.5 | 3860 | .80 | .96 | 1.00 | 53.5 | 4350 | .82 | .99 | 1.00 | 50.5 | 4910 | .85 | 1.00 | 1.00 | 47.0 | 5580 | .88 | 1.00 | 1.00 | 47.0 | 5580 | .88 | 1.00 | 1.00 | | | | | | |
| | | 1565 | 3420 | .58 | .70 | .83 | 56.5 | 3860 | .59 | .72 | .85 | 54.0 | 4350 | .60 | .74 | .87 | 50.5 | 4910 | .61 | .76 | .90 | 47.0 | 5580 | .63 | .78 | .94 | 47.0 | 5580 | .63 | .78 | .94 | | | | | | |
| | | 1800 | 3410 | .60 | .73 | .86 | 58.0 | 3860 | .61 | .75 | .89 | 55.0 | 4350 | .62 | .77 | .92 | 52.0 | 4910 | .63 | .79 | .95 | 48.0 | 5580 | .65 | .83 | .99 | 48.0 | 5580 | .65 | .83 | .99 | | | | | | |
| 67°F (19.4°C) | | 2005 | 3410 | .61 | .76 | .90 | 59.5 | 3860 | .62 | .77 | .92 | 56.5 | 4350 | .64 | .80 | .95 | 53.0 | 4910 | .65 | .82 | .99 | 49.0 | 5580 | .67 | .86 | 1.00 | 49.0 | 5580 | .67 | .86 | 1.00 | | | | | | |
| | | 1565 | 3410 | .45 | .57 | .68 | 60.0 | 3850 | .45 | .57 | .70 | 57.0 | 4350 | .45 | .58 | .71 | 53.5 | 4910 | .46 | .60 | .73 | 50.0 | 5580 | .46 | .61 | .76 | 50.0 | 5580 | .46 | .61 | .76 | | | | | | |
| | | 1800 | 3410 | .45 | .59 | .71 | 61.5 | 3850 | .46 | .59 | .72 | 58.5 | 4350 | .46 | .60 | .74 | 55.0 | 4910 | .47 | .62 | .77 | 51.0 | 5580 | .48 | .64 | .80 | 51.0 | 5580 | .48 | .64 | .80 | | | | | | |
| | | 2005 | 3400 | .46 | .60 | .73 | 63.0 | 3850 | .46 | .61 | .75 | 59.5 | 4350 | .47 | .62 | .77 | 56.0 | 4920 | .48 | .64 | .80 | 52.0 | 5580 | .48 | .66 | .83 | 52.0 | 5580 | .48 | .66 | .83 | | | | | | |

4SHP14LB160P-50 - BCE5C60M*4X

HEATING PERFORMANCE EXTENDED RATINGS

4SH14LB118P-50 - BCE5C18M*4X

| Indoor Coil Air Volume 70°F db (28°C db) | | Air Temperature Entering Outdoor Coil | | | | | | | | | | | | | | | | | | |
|---|-----|---------------------------------------|-----|-------------------------|------|------------------------|------|-------------------------|-----|------------------------|-----|-------------------------|-----|------------------------|-----|-------------------------|------------------------|-------|-------------------------|--|
| | | 65°F (18°C) | | | | 45°F (7°C) | | | | 25°F (-4°C) | | | | 5°F (-15°C) | | | -15°F (-28°C) | | | |
| | | Total Heating Capacity | | Comp. Motor Watts Input | | Total Heating Capacity | | Comp. Motor Watts Input | | Total Heating Capacity | | Comp. Motor Watts Input | | Total Heating Capacity | | Comp. Motor Watts Input | Total Heating Capacity | | Comp. Motor Watts Input | |
| CFM | L/s | kBtuh | kW | kBtuh | kW | kBtuh | kW | kBtuh | kW | kBtuh | kW | kBtuh | kW | kBtuh | kW | kBtuh | kW | kBtuh | kW | |
| 525 | 250 | 21.0 | 6.2 | 1260 | 16.3 | 4.8 | 1185 | 11.4 | 3.3 | 1105 | 7.5 | 2.2 | 995 | 3.5 | 1.0 | 740 | | | | |
| 675 | 320 | 21.7 | 6.4 | 1180 | 17.0 | 5.0 | 1105 | 12.1 | 3.5 | 1030 | 8.2 | 2.4 | 915 | 4.2 | 1.2 | 665 | | | | |
| 710 | 335 | 21.8 | 6.4 | 1170 | 17.1 | 5.0 | 1095 | 12.3 | 3.6 | 1015 | 8.4 | 2.5 | 905 | 4.4 | 1.3 | 655 | | | | |

| Outdoor Temp. | °F | 65 | 60 | 55 | 50 | 47 | 45 | 40 | 35 | 30 | 25 | 20 | 17 | 15 | 10 | 5 | 0 | -5 | -10 | -15 | -20 |
|---------------------------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | °C | 18 | 16 | 13 | 10 | 8 | 7 | 4 | 2 | -1 | -4 | -7 | -8 | -9 | -12 | -15 | -18 | -21 | -23 | -26 | -29 |
| Compressor Motor kW Input | | 1.18 | 1.17 | 1.15 | 1.13 | 1.12 | 1.11 | 1.08 | 1.06 | 1.05 | 1.03 | 1.02 | 1.01 | 1 | 0.98 | 0.92 | 0.86 | 0.79 | 0.73 | 0.67 | 0.61 |
| Total Output | kBtuh | 21.7 | 20.6 | 19.4 | 18.3 | 17.6 | 17 | 15.4 | 13.8 | 12.9 | 12.1 | 11.3 | 10.8 | 10.3 | 9.2 | 8.2 | 7.2 | 6.2 | 5.2 | 4.2 | 3.2 |
| | kW | 6.4 | 6 | 5.7 | 5.4 | 5.2 | 5 | 4.5 | 4 | 3.8 | 3.5 | 3.3 | 3.2 | 3 | 2.7 | 2.4 | 2.1 | 1.8 | 1.5 | 1.2 | 0.9 |

| | Inputs | | | | | |
|------|-----------|--|----------|--|-----------|--|
| | Cap | | Watts | | Watts | |
| | Low | | Med | | High | |
| CFM | 525 | | 675 | | 710 | |
| 47°F | 16900.354 | | 1192.286 | | 17606.696 | |
| 35°F | --- | | --- | | 13775.951 | |
| 17°F | --- | | --- | | 10801.403 | |

4SH14LB124P-50 - BCE5C24M*4X

| Indoor Coil Air Volume 70°F db (28°C db) | | Air Temperature Entering Outdoor Coil | | | | | | | | | | | | | | | | | | |
|---|-----|---------------------------------------|-----|-------------------------|------|------------------------|------|-------------------------|-----|------------------------|------|-------------------------|------|------------------------|-----|-------------------------|------------------------|-------|-------------------------|--|
| | | 65°F (18°C) | | | | 45°F (7°C) | | | | 25°F (-4°C) | | | | 5°F (-15°C) | | | -15°F (-28°C) | | | |
| | | Total Heating Capacity | | Comp. Motor Watts Input | | Total Heating Capacity | | Comp. Motor Watts Input | | Total Heating Capacity | | Comp. Motor Watts Input | | Total Heating Capacity | | Comp. Motor Watts Input | Total Heating Capacity | | Comp. Motor Watts Input | |
| CFM | L/s | kBtuh | kW | kBtuh | kW | kBtuh | kW | kBtuh | kW | kBtuh | kW | kBtuh | kW | kBtuh | kW | kBtuh | kW | kBtuh | kW | |
| 680 | 320 | 26.2 | 7.7 | 1510 | 20.5 | 6 | 1445 | 14.6 | 4.3 | 1375 | 10.3 | 3 | 1255 | 4.9 | 1.4 | 935 | | | | |
| 875 | 415 | 26.9 | 7.9 | 1420 | 21.3 | 6.2 | 1350 | 15.3 | 4.5 | 1280 | 11 | 3.2 | 1165 | 5.6 | 1.6 | 840 | | | | |
| 915 | 430 | 27 | 7.9 | 1405 | 21.4 | 6.3 | 1335 | 15.4 | 4.5 | 1270 | 11.1 | 3.3 | 1150 | 5.7 | 1.7 | 825 | | | | |

| Outdoor Temp. | °F | 65 | 60 | 55 | 50 | 47 | 45 | 40 | 35 | 30 | 25 | 20 | 17 | 15 | 10 | 5 | 0 | -5 | -10 | -15 | -20 |
|---------------------------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|------|------|------|
| | °C | 18 | 16 | 13 | 10 | 8 | 7 | 4 | 2 | -1 | -4 | -7 | -8 | -9 | -12 | -15 | -18 | -21 | -23 | -26 | -29 |
| Compressor Motor kW Input | | 1.42 | 1.41 | 1.39 | 1.37 | 1.36 | 1.35 | 1.33 | 1.31 | 1.29 | 1.28 | 1.27 | 1.27 | 1.26 | 1.25 | 1.17 | 1.08 | 1 | 0.92 | 0.84 | 0.76 |
| Total Output | kBtuh | 26.9 | 25.6 | 24.3 | 23 | 22.2 | 21.3 | 19 | 16.7 | 16 | 15.3 | 14.7 | 14.3 | 13.7 | 12.4 | 11 | 9.7 | 8.3 | 7 | 5.6 | 4.3 |
| | kW | 7.9 | 7.5 | 7.1 | 6.7 | 6.5 | 6.2 | 5.6 | 4.9 | 4.7 | 4.5 | 4.3 | 4.2 | 4 | 3.6 | 3.2 | 2.8 | 2.4 | 2.1 | 1.6 | 1.3 |

| | Inputs | | | | | |
|------|-----------|--|----------|--|-----------|--|
| | Cap | | Watts | | Watts | |
| | Low | | Med | | High | |
| CFM | 680 | | 875 | | 915 | |
| 47°F | 21467.016 | | 1454.642 | | 22183.983 | |
| 35°F | --- | | --- | | 16660.501 | |
| 17°F | --- | | --- | | 14252.452 | |

HEATING PERFORMANCE EXTENDED RATINGS

4SHP14LB130P-50 - BCE5C30M*4X

| Indoor Coil Air Volume 70°F db (28°C db) | | Air Temperature Entering Outdoor Coil | | | | | | | | | | | | | | | | | | |
|---|-----|---------------------------------------|-----|-------------------------|------|------------------------|------|-------------------------|-----|------------------------|------|-------------------------|------|------------------------|-----|-------------------------|------------------------|-------|-------------------------|--|
| | | 65°F (18°C) | | | | 45°F (7°C) | | | | 25°F (-4°C) | | | | 5°F (-15°C) | | | -15°F (-28°C) | | | |
| | | Total Heating Capacity | | Comp. Motor Watts Input | | Total Heating Capacity | | Comp. Motor Watts Input | | Total Heating Capacity | | Comp. Motor Watts Input | | Total Heating Capacity | | Comp. Motor Watts Input | Total Heating Capacity | | Comp. Motor Watts Input | |
| CFM | L/s | kBtuh | kW | kBtuh | kW | kBtuh | kW | kBtuh | kW | kBtuh | kW | kBtuh | kW | kBtuh | kW | kBtuh | kW | kBtuh | kW | |
| 845 | 400 | 31.9 | 9.3 | 1870 | 25.1 | 7.4 | 1765 | 18 | 5.3 | 1660 | 12.9 | 3.8 | 1485 | 6.2 | 1.8 | 1105 | 6.2 | 1.8 | 1105 | |
| 1025 | 485 | 32.7 | 9.6 | 1780 | 25.9 | 7.6 | 1675 | 18.7 | 5.5 | 1570 | 13.6 | 4 | 1395 | 6.9 | 2 | 1010 | 6.9 | 2 | 1010 | |
| 1150 | 545 | 33.1 | 9.7 | 1735 | 26.3 | 7.7 | 1630 | 19.2 | 5.6 | 1525 | 14 | 4.1 | 1350 | 7.3 | 2.1 | 965 | 7.3 | 2.1 | 965 | |

| Outdoor Temp. | °F | 65 | 60 | 55 | 50 | 47 | 45 | 40 | 35 | 30 | 25 | 20 | 17 | 15 | 10 | 5 | 0 | -5 | -10 | -15 | -20 |
|---------------------------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | °C | 18 | 16 | 13 | 10 | 8 | 7 | 4 | 2 | -1 | -4 | -7 | -8 | -9 | -12 | -15 | -18 | -21 | -23 | -26 | -29 |
| Compressor Motor kW Input | | 1.78 | 1.76 | 1.73 | 1.7 | 1.69 | 1.68 | 1.65 | 1.63 | 1.6 | 1.57 | 1.55 | 1.53 | 1.52 | 1.49 | 1.4 | 1.3 | 1.21 | 1.11 | 1.01 | 0.92 |
| Total Output | kBtuh | 32.7 | 31.1 | 29.5 | 27.9 | 27 | 25.9 | 23.1 | 20.3 | 19.5 | 18.7 | 18 | 17.5 | 16.9 | 15.3 | 13.6 | 11.9 | 10.3 | 8.6 | 6.9 | 5.2 |
| | kW | 9.6 | 9.1 | 8.6 | 8.2 | 7.9 | 7.6 | 6.8 | 5.9 | 5.7 | 5.5 | 5.3 | 5.1 | 5 | 4.5 | 4 | 3.5 | 3 | 2.5 | 2 | 1.5 |

| | Inputs | | | | | |
|------|----------|----------|-----|-----------|-------|----------|
| | Cap | Watts | | Cap | Watts | |
| | Low | | Med | | High | |
| | CFM | 845 | | 1025 | | 1150 |
| 47°F | 26232.35 | 1774.885 | | 26984.668 | | 1684.66 |
| 35°F | --- | --- | | 20291.075 | | 1626.705 |
| 17°F | --- | --- | | 17491.005 | | 1527.581 |

4SHP14LB136P-50 - BCE5C36M*4X

| Indoor Coil Air Volume 70°F db (28°C db) | | Air Temperature Entering Outdoor Coil | | | | | | | | | | | | | | | | | | |
|---|-----|---------------------------------------|------|-------------------------|------|------------------------|------|-------------------------|-----|------------------------|------|-------------------------|------|------------------------|-----|-------------------------|------------------------|-------|-------------------------|--|
| | | 65°F (18°C) | | | | 45°F (7°C) | | | | 25°F (-4°C) | | | | 5°F (-15°C) | | | -15°F (-28°C) | | | |
| | | Total Heating Capacity | | Comp. Motor Watts Input | | Total Heating Capacity | | Comp. Motor Watts Input | | Total Heating Capacity | | Comp. Motor Watts Input | | Total Heating Capacity | | Comp. Motor Watts Input | Total Heating Capacity | | Comp. Motor Watts Input | |
| CFM | L/s | kBtuh | kW | kBtuh | kW | kBtuh | kW | kBtuh | kW | kBtuh | kW | kBtuh | kW | kBtuh | kW | kBtuh | kW | kBtuh | kW | |
| 1050 | 495 | 37.2 | 10.9 | 2225 | 29.3 | 8.6 | 2085 | 21.1 | 6.2 | 1945 | 14.8 | 4.3 | 1750 | 7.2 | 2.1 | 1290 | 7.2 | 2.1 | 1290 | |
| 1201 | 565 | 37.9 | 11.1 | 2155 | 30 | 8.8 | 2015 | 21.8 | 6.4 | 1875 | 15.5 | 4.5 | 1680 | 7.9 | 2.3 | 1220 | 7.9 | 2.3 | 1220 | |
| 1350 | 635 | 38.4 | 11.3 | 2095 | 30.5 | 8.9 | 1960 | 22.3 | 6.5 | 1815 | 16 | 4.7 | 1620 | 8.4 | 2.5 | 1160 | 8.4 | 2.5 | 1160 | |

| Outdoor Temp. | °F | 65 | 60 | 55 | 50 | 47 | 45 | 40 | 35 | 30 | 25 | 20 | 17 | 15 | 10 | 5 | 0 | -5 | -10 | -15 | -20 |
|---------------------------|-------|------|------|------|------|------|------|------|------|-----|------|------|------|------|------|------|------|------|------|------|------|
| | °C | 18 | 16 | 13 | 10 | 8 | 7 | 4 | 2 | -1 | -4 | -7 | -8 | -9 | -12 | -15 | -18 | -21 | -23 | -26 | -29 |
| Compressor Motor kW Input | | 2.16 | 2.12 | 2.09 | 2.06 | 2.04 | 2.02 | 1.97 | 1.92 | 1.9 | 1.88 | 1.85 | 1.84 | 1.83 | 1.79 | 1.68 | 1.57 | 1.45 | 1.34 | 1.22 | 1.11 |
| Total Output | kBtuh | 37.9 | 36 | 34.1 | 32.3 | 31.2 | 30 | 27 | 24.1 | 23 | 21.8 | 20.7 | 20 | 19.2 | 17.4 | 15.5 | 13.6 | 11.7 | 9.8 | 7.9 | 6 |
| | kW | 11.1 | 10.6 | 10 | 9.5 | 9.1 | 8.8 | 7.9 | 7.1 | 6.7 | 6.4 | 6.1 | 5.9 | 5.6 | 5.1 | 4.5 | 4 | 3.4 | 2.9 | 2.3 | 1.8 |

| | Inputs | | | | | |
|------|-----------|----------|-----|-----------|-------|----------|
| | Cap | Watts | | Cap | Watts | |
| | Low | | Med | | High | |
| | CFM | 1050 | | 1201 | | 1350 |
| 47°F | 30449.502 | 2105.323 | | 31158.564 | | 2035.297 |
| 35°F | --- | --- | | 24095.877 | | 1920.618 |
| 17°F | --- | --- | | 19986.457 | | 1838.431 |

HEATING PERFORMANCE EXTENDED RATINGS

4SH14LB142P-50 - BCE5C42M*4X

| Indoor Coil Air Volume 70°F db (28°C db) | | Air Temperature Entering Outdoor Coil | | | | | | | | | | | | | | | | | | |
|---|-----|---------------------------------------|------|-------------------------|------|------------------------|------|-------------------------|-----|------------------------|------|-------------------------|------|------------------------|-----|-------------------------|------------------------|-------|-------------------------|--|
| | | 65°F (18°C) | | | | 45°F (7°C) | | | | 25°F (-4°C) | | | | 5°F (-15°C) | | | -15°F (-28°C) | | | |
| | | Total Heating Capacity | | Comp. Motor Watts Input | | Total Heating Capacity | | Comp. Motor Watts Input | | Total Heating Capacity | | Comp. Motor Watts Input | | Total Heating Capacity | | Comp. Motor Watts Input | Total Heating Capacity | | Comp. Motor Watts Input | |
| CFM | L/s | kBtuh | kW | kBtuh | kW | kBtuh | kW | kBtuh | kW | kBtuh | kW | kBtuh | kW | kBtuh | kW | kBtuh | kW | kBtuh | kW | |
| 1225 | 580 | 47 | 13.8 | 3225 | 37.3 | 10.9 | 2920 | 27 | 7.9 | 2600 | 19.8 | 5.8 | 2330 | 9.7 | 2.8 | 1745 | | | | |
| 1400 | 660 | 47.7 | 14 | 3090 | 38 | 11.1 | 2790 | 27.7 | 8.1 | 2470 | 20.5 | 6 | 2200 | 10.4 | 3 | 1610 | | | | |
| 1575 | 745 | 48.4 | 14.2 | 2990 | 38.7 | 11.3 | 2690 | 28.5 | 8.4 | 2365 | 21.2 | 6.2 | 2100 | 11.1 | 3.3 | 1510 | | | | |

| Outdoor Temp. | °F | 65 | 60 | 55 | 50 | 47 | 45 | 40 | 35 | 30 | 25 | 20 | 17 | 15 | 10 | 5 | 0 | -5 | -10 | -15 | -20 |
|---------------------------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | °C | 18 | 16 | 13 | 10 | 8 | 7 | 4 | 2 | -1 | -4 | -7 | -8 | -9 | -12 | -15 | -18 | -21 | -23 | -26 | -29 |
| Compressor Motor kW Input | | 3.09 | 3.03 | 2.96 | 2.89 | 2.85 | 2.79 | 2.65 | 2.5 | 2.49 | 2.47 | 2.45 | 2.44 | 2.42 | 2.35 | 2.2 | 2.06 | 1.91 | 1.76 | 1.61 | 1.47 |
| Total Output | kBtuh | 47.7 | 45.4 | 43.2 | 41 | 39.6 | 38 | 33.8 | 29.7 | 28.7 | 27.7 | 26.8 | 26.2 | 25.3 | 23 | 20.5 | 18 | 15.4 | 12.9 | 10.4 | 7.9 |
| | kW | 14 | 13.3 | 12.7 | 12 | 11.6 | 11.1 | 9.9 | 8.7 | 8.4 | 8.1 | 7.9 | 7.7 | 7.4 | 6.7 | 6 | 5.3 | 4.5 | 3.8 | 3 | 2.3 |

| | Inputs | | | | | |
|------|-----------|--|----------|--|-----------|--|
| | Cap | | Watts | | Watts | |
| | Low | | Med | | High | |
| CFM | 1225 | | 1400 | | 1575 | |
| 47°F | 38902.389 | | 2980.237 | | 39611.371 | |
| 35°F | --- | | --- | | 29698.136 | |
| 17°F | --- | | --- | | 26173.516 | |

4SH14LB148P-50 - BCE5C48M*4X

| Indoor Coil Air Volume 70°F db (28°C db) | | Air Temperature Entering Outdoor Coil | | | | | | | | | | | | | | | | | | |
|---|-----|---------------------------------------|------|-------------------------|------|------------------------|------|-------------------------|-----|------------------------|------|-------------------------|------|------------------------|-----|-------------------------|------------------------|-------|-------------------------|--|
| | | 65°F (18°C) | | | | 45°F (7°C) | | | | 25°F (-4°C) | | | | 5°F (-15°C) | | | -15°F (-28°C) | | | |
| | | Total Heating Capacity | | Comp. Motor Watts Input | | Total Heating Capacity | | Comp. Motor Watts Input | | Total Heating Capacity | | Comp. Motor Watts Input | | Total Heating Capacity | | Comp. Motor Watts Input | Total Heating Capacity | | Comp. Motor Watts Input | |
| CFM | L/s | kBtuh | kW | kBtuh | kW | kBtuh | kW | kBtuh | kW | kBtuh | kW | kBtuh | kW | kBtuh | kW | kBtuh | kW | kBtuh | kW | |
| 1400 | 660 | 55.9 | 16.4 | 3715 | 43.5 | 12.7 | 3355 | 30.6 | 9 | 2980 | 21.5 | 6.3 | 2625 | 10.6 | 3.1 | 1965 | | | | |
| 1596 | 755 | 56.7 | 16.6 | 3570 | 44.3 | 13 | 3210 | 31.4 | 9.2 | 2835 | 22.3 | 6.5 | 2485 | 11.4 | 3.3 | 1825 | | | | |
| 1840 | 870 | 57.4 | 16.8 | 3445 | 45 | 13.2 | 3085 | 32.1 | 9.4 | 2710 | 23 | 6.7 | 2355 | 12.1 | 3.5 | 1695 | | | | |

| Outdoor Temp. | °F | 65 | 60 | 55 | 50 | 47 | 45 | 40 | 35 | 30 | 25 | 20 | 17 | 15 | 10 | 5 | 0 | -5 | -10 | -15 | -20 |
|---------------------------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | °C | 18 | 16 | 13 | 10 | 8 | 7 | 4 | 2 | -1 | -4 | -7 | -8 | -9 | -12 | -15 | -18 | -21 | -23 | -26 | -29 |
| Compressor Motor kW Input | | 3.57 | 3.49 | 3.41 | 3.32 | 3.27 | 3.21 | 3.07 | 2.93 | 2.88 | 2.84 | 2.79 | 2.77 | 2.73 | 2.65 | 2.49 | 2.32 | 2.16 | 1.99 | 1.83 | 1.66 |
| Total Output | kBtuh | 56.7 | 53.8 | 51 | 48.1 | 46.3 | 44.3 | 39.4 | 34.4 | 32.9 | 31.4 | 29.9 | 29 | 27.9 | 25 | 22.3 | 19.6 | 16.9 | 14.1 | 11.4 | 8.7 |
| | kW | 16.6 | 15.8 | 14.9 | 14.1 | 13.6 | 13 | 11.5 | 10.1 | 9.6 | 9.2 | 8.8 | 8.5 | 8.2 | 7.3 | 6.5 | 5.7 | 5 | 4.1 | 3.3 | 2.5 |

| | Inputs | | | | | |
|------|-----------|--|----------|--|-----------|--|
| | Cap | | Watts | | Watts | |
| | Low | | Med | | High | |
| CFM | 1400 | | 1596 | | 1840 | |
| 47°F | 45521.163 | | 3412.831 | | 46347.869 | |
| 35°F | --- | | --- | | 34352.781 | |
| 17°F | --- | | --- | | 29049.513 | |

HEATING PERFORMANCE EXTENDED RATINGS

4SHPI4LB160P-50 - BCE5C60M*4X

| Indoor Coil Air Volume 70°F db (28°C db) | | Air Temperature Entering Outdoor Coil | | | | | | | | | | | | | | | | | | |
|---|-----|---------------------------------------|------|-------------------------|------|------------------------|------|-------------------------|------|------------------------|------|-------------------------|------|------------------------|-----|-------------------------|------------------------|-------|-------------------------|--|
| | | 65°F (18°C) | | | | 45°F (7°C) | | | | 25°F (-4°C) | | | | 5°F (-15°C) | | | -15°F (-28°C) | | | |
| | | Total Heating Capacity | | Comp. Motor Watts Input | | Total Heating Capacity | | Comp. Motor Watts Input | | Total Heating Capacity | | Comp. Motor Watts Input | | Total Heating Capacity | | Comp. Motor Watts Input | Total Heating Capacity | | Comp. Motor Watts Input | |
| CFM | L/s | kBtuh | kW | kBtuh | kW | kBtuh | kW | kBtuh | kW | kBtuh | kW | kBtuh | kW | kBtuh | kW | kBtuh | kW | kBtuh | kW | |
| 1565 | 740 | 65 | 19 | 4310 | 50.9 | 14.9 | 3955 | 35.8 | 10.5 | 3600 | 26.6 | 7.8 | 3125 | 13 | 3.8 | 2335 | | | | |
| 1800 | 850 | 66 | 19.3 | 4130 | 51.9 | 15.2 | 3780 | 36.9 | 10.8 | 3425 | 27.7 | 8.1 | 2950 | 14.1 | 4.1 | 2160 | | | | |
| 2005 | 945 | 66.8 | 19.6 | 4020 | 52.7 | 15.4 | 3665 | 37.7 | 11 | 3310 | 28.5 | 8.4 | 2835 | 14.9 | 4.4 | 2045 | | | | |

| Outdoor Temp. | °F | 65 | 60 | 55 | 50 | 47 | 45 | 40 | 35 | 30 | 25 | 20 | 17 | 15 | 10 | 5 | 0 | -5 | -10 | -15 | -20 |
|---------------------------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | °C | 18 | 16 | 13 | 10 | 8 | 7 | 4 | 2 | -1 | -4 | -7 | -8 | -9 | -12 | -15 | -18 | -21 | -23 | -26 | -29 |
| Compressor Motor kW Input | | 4.13 | 4.05 | 3.96 | 3.87 | 3.81 | 3.78 | 3.7 | 3.62 | 3.52 | 3.43 | 3.33 | 3.27 | 3.24 | 3.15 | 2.95 | 2.75 | 2.56 | 2.36 | 2.16 | 1.97 |
| Total Output | kBtuh | 66 | 62.8 | 59.7 | 56.5 | 54.6 | 51.9 | 45.3 | 38.6 | 37.8 | 36.9 | 36 | 35.5 | 34.3 | 31.1 | 27.7 | 24.3 | 20.9 | 17.5 | 14.1 | 10.7 |
| | kW | 19.3 | 18.4 | 17.5 | 16.6 | 16 | 15.2 | 13.3 | 11.3 | 11.1 | 10.8 | 10.6 | 10.4 | 10.1 | 9.1 | 8.1 | 7.1 | 6.1 | 5.1 | 4.1 | 3.1 |

| | Inputs | | | | | |
|------|-----------|--|----------|--|-----------|--|
| | Cap | | Watts | | Watts | |
| | Low | | Med | | High | |
| CFM | 1565 | | 1800 | | 2005 | |
| 47°F | 53531.181 | | 3985.299 | | 54579.041 | |
| 35°F | --- | | --- | | 38609.755 | |
| 17°F | --- | | --- | | 35526.852 | |



1-800-448-5872

All specifications and illustrations subject to change without notice and without incurring obligations.