

LYNX™ 4HP18V

PRODUCT SPECIFICATIONS

HIGH-EFFICIENCY
SPLIT HEAT PUMP SYSTEM
UP TO 20 SEER & 10 HSPF

FORM NO. 4HP18V-100 (03/2021)



INSTALLED BY THE BEST

- Installer training available through authorized distributors and on Allied Air Academy

COMPRESSOR

- Inverter-driven compressor for true variable capacity operation, precision environmental control, and exceptional energy savings
- R410A refrigerant
- Grommet-mounted compressor for quiet operation
- Heavy-duty compressor sound blanket for quiet operation
- Internally protected against high temperature motor overload conditions

CABINET

- Full metal louvered construction to protect the coil
- Individual metal louvered panels remove easily for coil cleaning and service
- Specialized corner-mounted controls for easy service
- Baked polyester paint finished over galvanized steel for maximum durability
- Removable PVC coated wire fan discharge grill
- External gauge ports for easy service
- Removable service panel for internal access
- Compliant with Florida Building Code 2020

COILS

- Omniguard® coil corrosion protection with all-aluminum tube-and-fin coil design
- Lanced fins for maximum heat transfer
- Factory tested for leakproof construction
- Raised coil prevents debris from impeding airflow and helps prevent ice build-up

DESIGN

- Designed for installation with a standard 24V thermostat and non-communicating equipment
- Offers five total operating modes, three in cooling and two for heating, to fine-tune the unit's performance to the application and consumer's needs
- Clean-sweep defrost provides a more thorough defrost, reducing the number of cycles during heating operation
- Designed to perform in temperatures from -15°F to 125°F

COMPONENTS

- 45-degree offset gauge ports are positioned for quick installation and easy service
- Variable speed condenser fan motor
- Swept wing fan blade for quiet operation (5 Ton)
- Factory-installed crankcase heater
- Factory-installed TXV for excellent refrigeration control
- Factory-installed high and low pressure switches
- Thread-on pressure switches for simple, quick service
- Fan orifice for smoother airflow and sound level reduction
- QuickLink™ technology uses proprietary algorithms and specialized sensors to monitor liquid and suction temperatures and pressures for precision system control in true variable speed operation
- Shipped factory charged for 15 feet of line set
- Discharge muffler for quiet operation
- Demand defrost for increased energy efficiency
- Quiet Shift™ capable to reduce noise during defrost

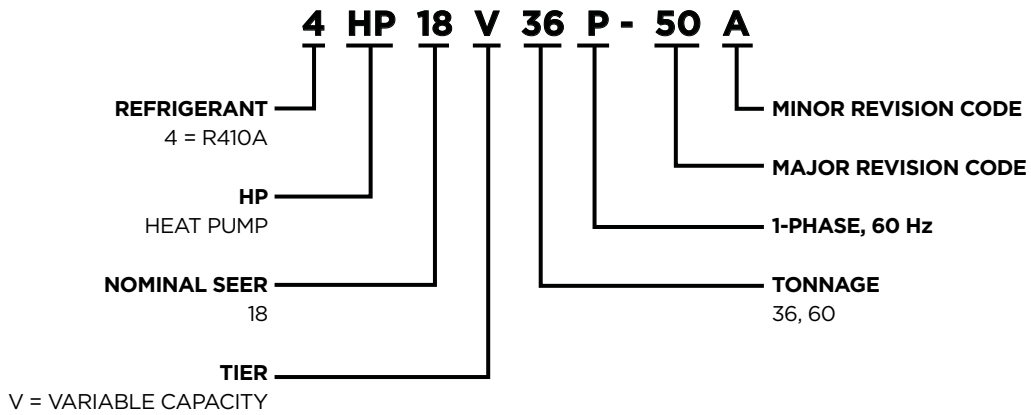
WARRANTY

- 5-year limited warranty
- 10-year limited extended warranty available on all parts and compressor

**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. Lifetime limited heat exchanger warranty applies to registered equipment only (Standard 20 years with no online registration). See full warranty at www.alliedair.com for terms, conditions and exclusions.*



MODEL NUMBER GUIDE



ELECTRICAL AND PHYSICAL DATA

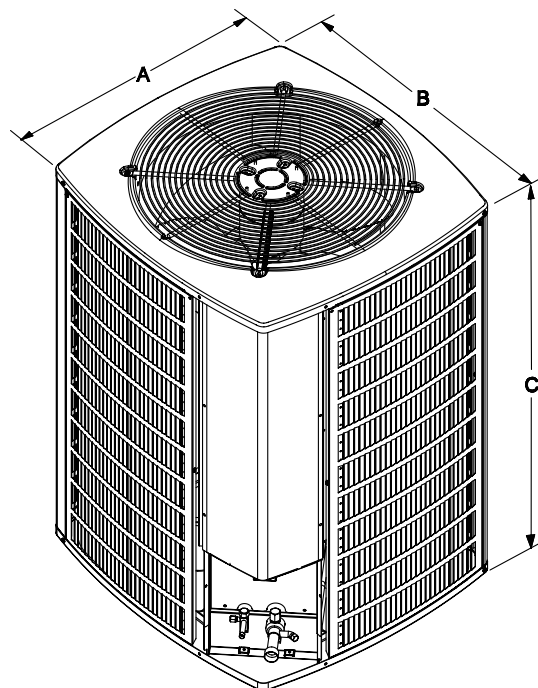
| Model | Voltage/Hz/ Phase | Voltage Range | Min. Circuit Amp. | Max. Over Current Device (amps) | Compressor | Outdoor Fan Motor | | | Shipping Weight (lbs.) |
|--------------|----------------------|------------------|-------------------------|---|------------|---------------------|-------------|----------|------------------------------|
| | | | | | Input Amps | Full Load (amps) | Rated HP | Nom. RPM | |
| 4HP18V36P-50 | 208-230/60/1 | 197-253 | 21.9 | 35 | 15.3 | 2.8 | 1/3 | VAR. SPD | 215 |
| 4HP18V60P-50 | 208-230/60/1 | 197-253 | 33.7 | 50 | 24.7 | 2.8 | 1/3 | VAR. SPD | 272 |

Note:
Weights listed are unit weights with packaging
+ Factory charged for 15 feet of line set; adjust per installation instructions

DIMENSIONS (IN.)

| Model No. | Dimensions (inch) | | |
|--------------|-------------------|-----------|------------|
| | A - Width | B - Depth | C - Height |
| 4HP18V36P-50 | 29.38 | 31.25 | 33.75 |
| 4HP18V60P-50 | 29.38 | 31.25 | 43.75 |

Note:
Dimensions listed are unit sizes w/o packaging



SOUND RATINGS

| Model | Sound Power ¹ | Estimated Sound Pressure (dBA) ² | | |
|---------------------------|--------------------------|---|-----------------------|-------------------------|
| | | Approximate Distance ³ | | |
| | | One Meter (3.3 feet) | Two Meters (6.6 feet) | Three Meters (9.8 feet) |
| 4HP18V36P-50 (2 TON MODE) | 72 | 64 | 58 | 54 |
| 4HP18V36P-50 (3 TON MODE) | 74 | 66 | 60 | 56 |
| 4HP18V60P-50 (4 TON MODE) | 74 | 66 | 60 | 56 |
| 4HP18V60P-50 (5 TON MODE) | 79 | 71 | 65 | 61 |

¹ Rated in accordance with AHRI standard 270 (2015)

² Rated in accordance with AHRI standard 275 (2010)

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

REFRIGERATION DATA

| Model | Factory Refrig. Charge (oz.)* | TXV | Refrigerant Line Size | | Outdoor Unit Connection | | Indoor Unit Connection | |
|--------------|-------------------------------|---------|-----------------------|--------|-------------------------|--------|------------------------|--------|
| | | | Suction | Liquid | Suction | Liquid | Suction | Liquid |
| 4HP18V36P-50 | 138 | H4TXV01 | 3/4 | 3/8 | 3/4 | 3/8 | 3/4 | 3/8 |
| 4HP18V60P-50 | 186 | 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 to refrigerant charge label

COOLING PERFORMANCE WITH DTC¹

| Outdoor Model | Indoor Model | Cooling | | | | Heating | | | | High CFM | Med CFM | Low CFM | |
|---------------|--------------|---------|------|----------------------------------|-------------------|---------|-------|------|-------|----------|---------|---------|------|
| | | SEER | EER | AHRI Rated Capacity ² | Sensible Capacity | HSPF | 47° | | 17° | | | | |
| | | | | | | | Btuh | COP | Btuh | | | | COP |
| 4HP18V36P-50 | BCE5V36M | 19.0 | 12.0 | 34400 | 27200 | 9.6 | 33400 | 3.30 | 21400 | 2.40 | 1200 | 820 | 820 |
| 4HP18V60P-50 | BCE5V60M | 16.0 | 10.0 | 55500 | 40600 | 9.0 | 55500 | 2.82 | 37000 | 2.14 | 1800 | 1200 | 1200 |

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 air handler products

NOTE:

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

COOLING PERFORMANCE EXTENDED RATINGS

4HP18V36P-50 - BCE5V36M - MAXIMUM CAPACITY

| 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) | | Total Cooling Capacity | | Sensible To Total Ratio (S/T) | | Total Cooling Capacity | | Sensible To Total Ratio (S/T) | | Total Cooling Capacity | | Sensible To Total Ratio (S/T) | | Total Cooling Capacity | | Sensible To Total Ratio (S/T) | | | | | | | | | | | |
| cfm | L/s | kW | kBTuh | Comp. Motor Watts Input | 75°F 23.9°C | 80°F 26.7°C | 85°F 29.4°C | Indoor Dry Bulb | 75°F 23.9°C | 80°F 26.7°C | 85°F 29.4°C | Indoor Dry Bulb | 75°F 23.9°C | 80°F 26.7°C | 85°F 29.4°C | Indoor Dry Bulb | 75°F 23.9°C | 80°F 26.7°C | 85°F 29.4°C | Indoor Dry Bulb | 75°F 23.9°C | 80°F 26.7°C | 85°F 29.4°C | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | kW | kBTuh | Comp. Motor Watts Input | 75°F 23.9°C | 80°F 26.7°C | 85°F 29.4°C | Indoor Dry Bulb | 75°F 23.9°C |
| 1050 | 495 | 33.2 | 9.7 | 2150 | .93 | 1.00 | 1.00 | 318 | 9.3 | 2400 | .95 | 1.00 | 1.00 | 30.2 | 8.9 | 2680 | .98 | 1.00 | 1.00 | 28.6 | 8.4 | 2990 | 1.00 | | | | | | | | |
| 1215 | 575 | 34.8 | 10.2 | 2150 | .98 | 1.00 | 1.00 | 33.2 | 9.7 | 2400 | 1.00 | 1.00 | 1.00 | 31.6 | 9.3 | 2700 | 1.00 | 1.00 | 1.00 | 29.8 | 8.7 | 3010 | 1.00 | 1.00 | 1.00 | 28.0 | 8.2 | 3350 | 1.00 | 1.00 | 1.00 |
| 1385 | 655 | 36.2 | 10.6 | 2150 | 1.00 | 1.00 | 1.00 | 34.6 | 10.1 | 2410 | 1.00 | 1.00 | 1.00 | 32.8 | 9.6 | 2710 | 1.00 | 1.00 | 1.00 | 31.0 | 9.1 | 3030 | 1.00 | 1.00 | 1.00 | 29.0 | 8.5 | 3370 | 1.00 | 1.00 | 1.00 |
| 1050 | 495 | 34.4 | 10.1 | 2150 | .75 | .89 | 1.00 | 32.6 | 9.6 | 2400 | .77 | .92 | 1.00 | 30.8 | 9.0 | 2690 | .79 | .95 | 1.00 | 28.8 | 8.4 | 3000 | .82 | .98 | 1.00 | 26.8 | 7.9 | 3330 | .85 | 1.00 | 1.00 |
| 1215 | 575 | 35.6 | 10.4 | 2150 | .79 | .94 | 1.00 | 33.8 | 9.9 | 2410 | .80 | .97 | 1.00 | 31.8 | 9.3 | 2700 | .83 | 1.00 | 1.00 | 29.8 | 8.7 | 3010 | .86 | 1.00 | 1.00 | 28.0 | 8.2 | 3350 | .90 | 1.00 | 1.00 |
| 1385 | 655 | 36.4 | 10.7 | 2150 | .82 | .98 | 1.00 | 34.6 | 10.1 | 2410 | .84 | 1.00 | 32.8 | 9.6 | 2710 | .87 | 1.00 | 1.00 | 31.0 | 9.1 | 3030 | .90 | 1.00 | 1.00 | 29.0 | 8.5 | 3370 | .94 | 1.00 | 1.00 | |
| 1050 | 495 | 36.4 | 10.7 | 2150 | .59 | .73 | .86 | 34.6 | 10.1 | 2410 | .61 | .74 | .88 | 32.8 | 9.6 | 2710 | .61 | .77 | .91 | 30.6 | 9.0 | 3030 | .63 | .79 | .94 | 28.4 | 8.3 | 3360 | .65 | .82 | .99 |
| 1215 | 575 | 37.6 | 11.0 | 2150 | .62 | .76 | .90 | 35.6 | 10.4 | 2420 | .63 | .78 | .93 | 33.6 | 9.8 | 2720 | .64 | .80 | .96 | 31.4 | 9.2 | 3040 | .66 | .84 | 1.00 | 29.0 | 8.5 | 3370 | .68 | .87 | 1.00 |
| 1385 | 655 | 38.5 | 11.3 | 2120 | .63 | .79 | .95 | 36.4 | 10.7 | 2420 | .65 | .82 | .98 | 34.4 | 10.1 | 2720 | .66 | .84 | 1.00 | 32.2 | 9.4 | 3040 | .68 | .88 | 1.00 | 29.6 | 8.7 | 3390 | .71 | .92 | 1.00 |
| 1050 | 495 | 38.5 | 11.3 | 2120 | .45 | .58 | .70 | 36.6 | 10.7 | 2420 | .46 | .59 | .72 | 34.6 | 10.1 | 2720 | .46 | .60 | .74 | 32.4 | 9.5 | 3040 | .47 | .62 | .77 | 30.0 | 8.8 | 3400 | .47 | .64 | .80 |
| 1215 | 575 | 39.5 | 11.6 | 2150 | .46 | .60 | .74 | 37.6 | 11.0 | 2410 | .46 | .61 | .76 | 35.6 | 10.4 | 2730 | .47 | .63 | .78 | 33.4 | 9.8 | 3060 | .48 | .64 | .81 | 30.8 | 9.0 | 3400 | .48 | .66 | .84 |
| 1385 | 655 | 40.5 | 11.9 | 2150 | .47 | .62 | .77 | 38.5 | 11.3 | 2420 | .47 | .64 | .79 | 36.2 | 10.6 | 2730 | .48 | .65 | .82 | 34.0 | 10.0 | 3050 | .49 | .67 | .85 | 31.6 | 9.3 | 3420 | .50 | .70 | .89 |

COOLING PERFORMANCE EXTENDED RATINGS

4HP18V36P-50 - BCE5V36M - MINIMUM CAPACITY

| Indoor Wet Bulb Temperature | | Outdoor Air Temperature Entering Outdoor Coil | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------|-----|---|----------------|-------------------------------|----------------|-------------------------|----------------|-----------------|----------------|-------------------------------|----------------|-------------------------|----------------|-----------------|----------------|------------------------|----------------|-------------------------------|----------------|-------------------------|----------------|------------------------|----------------|-------------------------------|----------------|-------------------------|------|
| | | 75° F (23.9° C) | | | | | | 85° F (29.4° C) | | | | | | 95° F (35° C) | | | | | | 105° F (40.6° C) | | | | | | | |
| | | Total Cooling Capacity | | Sensible To Total Ratio (S/T) | | Comp. Motor Watts Input | | Indoor Dry Bulb | | Sensible To Total Ratio (S/T) | | Comp. Motor Watts Input | | Indoor Dry Bulb | | Total Cooling Capacity | | Sensible To Total Ratio (S/T) | | Comp. Motor Watts Input | | Total Cooling Capacity | | Sensible To Total Ratio (S/T) | | Comp. Motor Watts Input | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| cfm | L/s | 75°F 23.9°C | 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 | 75°F 23.9°C | 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 | 75°F 23.9°C | 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 | 75°F 23.9°C | 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 | | |
| 59°F (15°C) | 725 | 345 | 14.0 | 4.1 | 370 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 470 | 1.00 | 1.00 | 1.00 | 12.6 | 3.7 | 580 | 1.00 | 1.00 | 1.00 | 1.00 | 11.7 | 3.4 | 690 | 1.00 | 1.00 | 1.00 |
| | 830 | 390 | 14.5 | 4.2 | 360 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 460 | 1.00 | 1.00 | 1.00 | 13.0 | 3.8 | 570 | 1.00 | 1.00 | 1.00 | 1.00 | 12.1 | 3.5 | 690 | 1.00 | 1.00 | 1.00 |
| | 970 | 460 | 15.0 | 4.4 | 350 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 460 | 1.00 | 1.00 | 1.00 | 13.4 | 3.9 | 560 | 1.00 | 1.00 | 1.00 | 1.00 | 12.5 | 3.7 | 680 | 1.00 | 1.00 | 1.00 |
| 63°F (17.2°C) | 725 | 345 | 14.0 | 4.1 | 370 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 470 | 1.00 | 1.00 | 1.00 | 12.6 | 3.7 | 580 | 1.00 | 1.00 | 1.00 | 1.00 | 11.7 | 3.4 | 690 | 1.00 | 1.00 | 1.00 |
| | 830 | 390 | 14.5 | 4.2 | 360 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 460 | 1.00 | 1.00 | 1.00 | 13.0 | 3.8 | 570 | 1.00 | 1.00 | 1.00 | 1.00 | 12.1 | 3.5 | 690 | 1.00 | 1.00 | 1.00 |
| | 970 | 460 | 14.9 | 4.4 | 350 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 450 | 1.00 | 1.00 | 1.00 | 13.4 | 3.9 | 560 | 1.00 | 1.00 | 1.00 | 1.00 | 12.5 | 3.7 | 680 | 1.00 | 1.00 | 1.00 |
| 67°F (19.4°C) | 725 | 345 | 14.0 | 4.1 | 370 | .78 | 1.00 | 1.00 | 1.00 | 1.00 | 470 | .81 | 1.00 | 1.00 | 12.6 | 3.7 | 580 | .85 | 1.00 | 1.00 | 1.00 | 11.7 | 3.4 | 690 | .89 | 1.00 | 1.00 |
| | 830 | 390 | 14.5 | 4.2 | 360 | .82 | 1.00 | 1.00 | 1.00 | 1.00 | 460 | .85 | 1.00 | 1.00 | 13.0 | 3.8 | 570 | .90 | 1.00 | 1.00 | 1.00 | 12.1 | 3.5 | 680 | .95 | 1.00 | 1.00 |
| | 970 | 460 | 14.9 | 4.4 | 350 | .89 | 1.00 | 1.00 | 1.00 | 1.00 | 450 | .91 | 1.00 | 1.00 | 13.4 | 3.9 | 560 | .97 | 1.00 | 1.00 | 1.00 | 12.5 | 3.7 | 680 | 1.00 | 1.00 | 1.00 |
| 71°F (21.7°C) | 725 | 345 | 14.8 | 4.3 | 350 | .53 | .78 | 1.00 | 1.00 | 1.00 | 460 | .55 | .80 | 1.00 | 13.1 | 3.8 | 570 | .56 | .84 | 1.00 | 1.00 | 12.0 | 3.5 | 690 | .58 | .88 | 1.00 |
| | 830 | 390 | 15.1 | 4.4 | 350 | .55 | .81 | 1.00 | 1.00 | 1.00 | 450 | .59 | .85 | 1.00 | 13.3 | 3.9 | 570 | .57 | .89 | 1.00 | 1.00 | 12.3 | 3.6 | 680 | .61 | .94 | 1.00 |
| | 970 | 460 | 15.4 | 4.5 | 340 | .56 | .88 | 1.00 | 1.00 | 1.00 | 450 | .59 | .91 | 1.00 | 13.5 | 4.0 | 560 | .61 | .96 | 1.00 | 1.00 | 12.5 | 3.7 | 680 | .64 | 1.00 | 1.00 |

COOLING PERFORMANCE EXTENDED RATINGS

4HP18V60P-50 - BCE5V60M - MAXIMUM CAPACITY

| 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) | | Total Cooling Capacity | | Sensible To Total Ratio (S/T) | | Total Cooling Capacity | | Sensible To Total Ratio (S/T) | | Total Cooling Capacity | | Sensible To Total Ratio (S/T) | | Total Cooling Capacity | | Sensible To Total Ratio (S/T) | | | | | | | | | | | | | |
| cfm | L/s | kBtu/h | kW | Comp. Motor Watts Input | Indoor Dry Bulb | 75°F / 23.9°C | 80°F / 26.7°C | 85°F / 29.4°C | kBtu/h | kW | Comp. Motor Watts Input | Indoor Dry Bulb | 75°F / 23.9°C | 80°F / 26.7°C | 85°F / 29.4°C | kBtu/h | kW | Comp. Motor Watts Input | Indoor Dry Bulb | 75°F / 23.9°C | 80°F / 26.7°C | 85°F / 29.4°C | | | | | | | | | | | |
| 59°F (15°C) | | 1605 | 755 | 53.5 | 15.7 | 3760 | .90 | 1.00 | 1.00 | 51.5 | 15.1 | 4240 | .92 | 1.00 | 1.00 | 49.0 | 14.4 | 4810 | .95 | 1.00 | 1.00 | 47.0 | 13.8 | 5500 | .98 | 1.00 | 1.00 | 44.0 | 12.9 | 6340 | 1.00 | 1.00 | 1.00 |
| | | 1840 | 865 | 56.0 | 16.4 | 3780 | .94 | 1.00 | 1.00 | 53.5 | 15.7 | 4260 | .96 | 1.00 | 1.00 | 51.5 | 15.1 | 4840 | .99 | 1.00 | 1.00 | 48.5 | 14.2 | 5540 | 1.00 | 1.00 | 1.00 | 46.0 | 13.5 | 6390 | 1.00 | 1.00 | 1.00 |
| | | 2030 | 960 | 57.5 | 16.9 | 3800 | .97 | 1.00 | 1.00 | 55.5 | 16.3 | 4280 | .99 | 1.00 | 1.00 | 53.0 | 15.5 | 4860 | 1.00 | 1.00 | 1.00 | 50.0 | 14.7 | 5570 | 1.00 | 1.00 | 1.00 | 47.0 | 13.8 | 6420 | 1.00 | 1.00 | 1.00 |
| 63°F (17.2°C) | | 1605 | 755 | 56.0 | 16.4 | 3780 | .73 | .87 | .99 | 53.5 | 15.7 | 4260 | .75 | .89 | 1.00 | 50.5 | 14.8 | 4830 | .77 | .91 | 1.00 | 47.5 | 13.9 | 5520 | .78 | .94 | 1.00 | 44.5 | 13.0 | 6350 | .82 | .98 | 1.00 |
| | | 1840 | 865 | 57.5 | 16.9 | 3800 | .76 | .90 | 1.00 | 55.0 | 16.1 | 4270 | .78 | .93 | 1.00 | 52.0 | 15.2 | 4850 | .80 | .96 | 1.00 | 49.0 | 14.4 | 5550 | .82 | .99 | 1.00 | 46.0 | 13.5 | 6390 | .85 | 1.00 | 1.00 |
| | | 2030 | 960 | 59.0 | 17.3 | 3800 | .78 | .94 | 1.00 | 56.0 | 16.4 | 4280 | .80 | .96 | 1.00 | 53.5 | 15.7 | 4860 | .82 | .99 | 1.00 | 50.0 | 14.7 | 5570 | .85 | 1.00 | 1.00 | 47.0 | 13.8 | 6420 | .88 | 1.00 | 1.00 |
| 67°F (19.4°C) | | 1605 | 755 | 59.0 | 17.3 | 3800 | .59 | .71 | .83 | 56.5 | 16.6 | 4290 | .59 | .73 | .85 | 53.5 | 15.7 | 4870 | .60 | .74 | .88 | 50.5 | 14.8 | 5570 | .61 | .76 | .90 | 47.0 | 13.8 | 6420 | .63 | .79 | .94 |
| | | 1840 | 865 | 60.5 | 17.7 | 3820 | .61 | .74 | .87 | 58.0 | 17.0 | 4300 | .61 | .75 | .89 | 55.0 | 16.1 | 4890 | .62 | .77 | .92 | 52.0 | 15.2 | 5600 | .63 | .80 | .95 | 48.5 | 14.2 | 6450 | .65 | .83 | .99 |
| | | 2030 | 960 | 62.0 | 18.2 | 3830 | .61 | .76 | .90 | 59.5 | 17.4 | 4310 | .62 | .78 | .92 | 56.0 | 16.4 | 4900 | .64 | .80 | .95 | 53.0 | 15.5 | 5610 | .65 | .82 | .99 | 49.0 | 14.4 | 6470 | .67 | .86 | 1.00 |
| 71°F (21.7°C) | | 1605 | 755 | 62.5 | 18.3 | 3830 | .45 | .57 | .68 | 59.5 | 17.4 | 4320 | .45 | .58 | .70 | 56.5 | 16.6 | 4910 | .45 | .59 | .72 | 53.5 | 15.7 | 5630 | .46 | .60 | .74 | 50.0 | 14.7 | 6500 | .47 | .62 | .76 |
| | | 1840 | 865 | 64.5 | 18.9 | 3840 | .46 | .59 | .71 | 61.5 | 18.0 | 4330 | .46 | .60 | .73 | 58.5 | 17.1 | 4930 | .46 | .61 | .75 | 55.0 | 16.1 | 5660 | .47 | .62 | .77 | 51.0 | 14.9 | 6530 | .48 | .64 | .80 |
| | | 2030 | 960 | 65.5 | 19.2 | 3840 | .46 | .60 | .73 | 62.5 | 18.3 | 4340 | .46 | .61 | .75 | 59.5 | 17.4 | 4940 | .47 | .62 | .77 | 56.0 | 16.4 | 5670 | .48 | .64 | .80 | 52.0 | 15.2 | 6550 | .48 | .66 | .83 |

COOLING PERFORMANCE EXTENDED RATINGS

4HP18V60P-50 - BCE5V60M - INTERMEDIATE CAPACITY

| 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) | | Total Cooling Capacity | | Sensible To Total Ratio (S/T) | | Total Cooling Capacity | | Sensible To Total Ratio (S/T) | | Total Cooling Capacity | | Sensible To Total Ratio (S/T) | | Total Cooling Capacity | | Sensible To Total Ratio (S/T) | | | | | | | | | | | | |
| cfm | L/s | kW | kBTuh | Comp. Motor Watts Input | Indoor Dry Bulb | 75°F 23.9°C | 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 | 75°F 23.9°C | 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 | 75°F 23.9°C | 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 | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | kW | kBTuh | kW | kBTuh | kW | kBTuh | kW | kBTuh | kW |
| 59°F (15°C) | 110 | 525 | 34.6 | 10.1 | 1570 | .95 | 1.00 | 1.00 | 33.4 | 9.8 | 1840 | .98 | 1.00 | 1.00 | 32.0 | 9.4 | 2130 | 1.00 | 1.00 | 1.00 | 30.8 | 9.0 | 2450 | | | | | | | | | |
| | 120 | 570 | 35.6 | 10.4 | 1570 | .98 | 1.00 | 1.00 | 34.2 | 10.0 | 1840 | 1.00 | 1.00 | 1.00 | 32.8 | 9.6 | 2120 | 1.00 | 1.00 | 1.00 | 31.6 | 9.3 | 2450 | 1.00 | 1.00 | 1.00 | 30.2 | 8.9 | 2840 | 1.00 | 1.00 | 1.00 |
| 1380 | 650 | 37.0 | 10.8 | 1560 | 1.00 | 1.00 | 1.00 | 35.6 | 10.4 | 1830 | 1.00 | 1.00 | 1.00 | 34.2 | 10.0 | 2120 | 1.00 | 1.00 | 1.00 | 32.8 | 9.6 | 2440 | 1.00 | 1.00 | 1.00 | 31.2 | 9.1 | 2830 | 1.00 | 1.00 | 1.00 | |
| 110 | 525 | 35.6 | 10.4 | 1570 | .77 | .92 | 1.00 | 34.0 | 10.0 | 1840 | .79 | .94 | 1.00 | 32.4 | 9.5 | 2130 | .81 | .97 | 1.00 | 31.0 | 9.1 | 2460 | .83 | .99 | 1.00 | 29.4 | 8.6 | 2840 | .85 | 1.00 | 1.00 | |
| 120 | 570 | 36.2 | 10.6 | 1560 | .79 | .95 | 1.00 | 34.6 | 10.1 | 1840 | .81 | .97 | 1.00 | 33.0 | 9.7 | 2120 | .83 | 1.00 | 1.00 | 31.6 | 9.3 | 2450 | .85 | 1.00 | 1.00 | 30.2 | 8.9 | 2840 | .87 | 1.00 | 1.00 | |
| 1380 | 650 | 37.2 | 10.9 | 1560 | .83 | .99 | 1.00 | 35.6 | 10.4 | 1830 | .85 | 1.00 | 34.2 | 10.0 | 2120 | .87 | 1.00 | 1.00 | 32.8 | 9.6 | 2450 | .89 | 1.00 | 1.00 | 31.4 | 9.2 | 2840 | .92 | 1.00 | 1.00 | | |
| 110 | 525 | 37.4 | 11.0 | 1550 | .60 | .75 | .88 | 35.8 | 10.5 | 1820 | .62 | .76 | .91 | 34.2 | 10.0 | 2120 | .63 | .78 | .93 | 32.6 | 9.6 | 2450 | .64 | .80 | .96 | 31.0 | 9.1 | 2840 | .65 | .82 | .99 | |
| 120 | 570 | 38.0 | 11.1 | 1550 | .62 | .77 | .91 | 36.4 | 10.7 | 1820 | .63 | .79 | .94 | 34.8 | 10.2 | 2110 | .64 | .81 | .97 | 33.2 | 9.7 | 2440 | .65 | .83 | .99 | 31.6 | 9.3 | 2840 | .67 | .85 | 1.00 | |
| 1380 | 650 | 39.0 | 11.4 | 1540 | .64 | .80 | .96 | 37.2 | 10.9 | 1810 | .65 | .82 | .99 | 35.6 | 10.4 | 2110 | .66 | .84 | 1.00 | 34.0 | 10.0 | 2440 | .68 | .87 | 1.00 | 32.2 | 9.4 | 2830 | .69 | .89 | 1.00 | |
| 110 | 525 | 39.5 | 11.6 | 1530 | .45 | .58 | .72 | 37.6 | 11.0 | 1810 | .45 | .60 | .74 | 36.0 | 10.6 | 2100 | .46 | .61 | .76 | 34.4 | 10.1 | 2430 | .47 | .63 | .78 | 32.8 | 9.6 | 2830 | .47 | .64 | .80 | |
| 120 | 570 | 40.0 | 11.7 | 1530 | .45 | .61 | .75 | 38.0 | 11.1 | 1800 | .47 | .62 | .76 | 36.6 | 10.7 | 2100 | .47 | .63 | .78 | 35.0 | 10.3 | 2430 | .48 | .64 | .80 | 33.4 | 9.8 | 2820 | .48 | .66 | .83 | |
| 1380 | 650 | 41.0 | 12.0 | 1520 | .47 | .63 | .78 | 39.0 | 11.4 | 1790 | .48 | .64 | .80 | 37.4 | 11.0 | 2090 | .48 | .66 | .82 | 35.6 | 10.4 | 2420 | .48 | .67 | .84 | 34.0 | 10.0 | 2810 | .49 | .69 | .87 | |

COOLING PERFORMANCE EXTENDED RATINGS

4HP18V60P-50 - BCE5V60M - MINIMUM CAPACITY

| Indoor Wet Bulb Temperature | | Total Air Volume | | Outdoor Air Temperature Entering Outdoor Coil | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------|------|------------------|------|---|-----------------|-------------------------------|----------------|------------------------|-------------------------|-------------------------------|----------------|------------------------|----------------|-------------------------------|-----------------|------------------------|----------------|-------------------------------|------|------|------|-----|------|------|------|------|------|------|------|------|------|------|------|
| | | | | 75° F (23.9° C) | | | | 85° F (29.4° C) | | | | 95° F (35° C) | | | | 105° F (40.6° C) | | | | | | | | | | | | | | | | | |
| | | | | Total Cooling Capacity | | Sensible To Total Ratio (S/T) | | Total Cooling Capacity | | Sensible To Total Ratio (S/T) | | Total Cooling Capacity | | Sensible To Total Ratio (S/T) | | Total Cooling Capacity | | Sensible To Total Ratio (S/T) | | | | | | | | | | | | | | | |
| cfm | L/s | kBTuh | kW | Comp. Motor Watts Input | Indoor Dry Bulb | | kBTuh | kW | Comp. Motor Watts Input | Indoor Dry Bulb | | kBTuh | kW | Comp. Motor Watts Input | Indoor Dry Bulb | | | | | | | | | | | | | | | | | | |
| | | | | | 75°F 23.9°C | 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 | | | 75°F 23.9°C | 80°F 26.7°C | 85°F 29.4°C | | | | | | | | | | | | | | | |
| 59°F (15°C) | 1110 | 525 | 24.6 | 7.2 | 880 | 1.00 | 1.00 | 1.00 | 23.4 | 6.9 | 1110 | 1.00 | 1.00 | 1.00 | 22.2 | 6.5 | 1340 | 1.00 | 1.00 | 1.00 | 21.0 | 6.2 | 1560 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | |
| | 1210 | 570 | 25.2 | 7.4 | 890 | 1.00 | 1.00 | 1.00 | 24.0 | 7.0 | 1120 | 1.00 | 1.00 | 1.00 | 22.8 | 6.7 | 1350 | 1.00 | 1.00 | 1.00 | 21.6 | 6.3 | 1570 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | |
| | 1380 | 650 | 26.0 | 7.6 | 890 | 1.00 | 1.00 | 1.00 | 24.6 | 7.2 | 1130 | 1.00 | 1.00 | 1.00 | 23.4 | 6.9 | 1360 | 1.00 | 1.00 | 1.00 | 22.2 | 6.5 | 1580 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | |
| 63°F (17.2°C) | 1110 | 525 | 24.6 | 7.2 | 880 | .94 | 1.00 | 1.00 | 23.4 | 6.9 | 1110 | .97 | 1.00 | 1.00 | 22.2 | 6.5 | 1340 | 1.00 | 1.00 | 1.00 | 21.0 | 6.2 | 1560 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | |
| | 1210 | 570 | 25.2 | 7.4 | 890 | .98 | 1.00 | 1.00 | 24.0 | 7.0 | 1120 | 1.00 | 1.00 | 1.00 | 22.8 | 6.7 | 1350 | 1.00 | 1.00 | 1.00 | 21.6 | 6.3 | 1570 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | |
| | 1380 | 650 | 26.0 | 7.6 | 890 | 1.00 | 1.00 | 1.00 | 24.8 | 7.3 | 1130 | 1.00 | 1.00 | 1.00 | 23.4 | 6.9 | 1360 | 1.00 | 1.00 | 1.00 | 22.2 | 6.5 | 1580 | 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) | 1110 | 525 | 25.2 | 7.4 | 890 | .70 | .92 | 1.00 | 23.8 | 7.0 | 1110 | .73 | .95 | 1.00 | 22.4 | 6.6 | 1340 | .75 | .98 | 1.00 | 21.2 | 6.2 | 1560 | .78 | 1.00 | 1.00 | .81 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| | 1210 | 570 | 25.4 | 7.4 | 890 | .73 | .96 | 1.00 | 24.0 | 7.0 | 1120 | .75 | .99 | 1.00 | 22.8 | 6.7 | 1350 | .78 | 1.00 | 1.00 | 21.6 | 6.3 | 1570 | .81 | 1.00 | 1.00 | .85 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | |
| | 1380 | 650 | 26.0 | 7.6 | 890 | .77 | 1.00 | 1.00 | 24.8 | 7.3 | 1130 | .79 | 1.00 | 1.00 | 23.4 | 6.9 | 1360 | .82 | 1.00 | 1.00 | 22.2 | 6.5 | 1580 | .85 | 1.00 | 1.00 | .88 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | |
| 71°F (21.7°C) | 1110 | 525 | 26.6 | 7.8 | 900 | .50 | .70 | .89 | 25.2 | 7.4 | 1130 | .51 | .72 | .92 | 23.6 | 6.9 | 1360 | .51 | .74 | .96 | 22.2 | 6.5 | 1590 | .52 | .77 | 1.00 | .52 | .77 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| | 1210 | 570 | 27.0 | 7.9 | 900 | .51 | .72 | .93 | 25.4 | 7.4 | 1140 | .51 | .74 | .96 | 24.0 | 7.0 | 1370 | .53 | .77 | 1.00 | 22.4 | 6.6 | 1590 | .54 | .80 | 1.00 | .54 | .80 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| | 1380 | 650 | 27.4 | 8.0 | 910 | .52 | .76 | .99 | 25.8 | 7.6 | 1140 | .53 | .79 | 1.00 | 24.4 | 7.2 | 1380 | .55 | .81 | 1.00 | 22.8 | 6.7 | 1600 | .56 | .85 | 1.00 | .56 | .85 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |

HEATING PERFORMANCE EXTENDED RATINGS

4HP18V36P-50 - BCE5V36M - INDOOR COIL AT 65°F DRY BULB

MINIMUM CAPACITY

| Indoor Coil Air Volume 65°F db (28°C db) | | Air Temperature Entering Outdoor Coil | | | | | | | | | | | |
|---|-----|---------------------------------------|-----|-------------------------|------|------------------------|-----|-------------------------|-----|------------------------|------|-------------------------|-----|
| | | 65°F (18°C) | | 60°F (16°C) | | 55°F (13°C) | | 50°F (10°C) | | | | | |
| | | 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 |
| 726 | 345 | 12.5 | 3.7 | 345 | 11.7 | 3.4 | 360 | 10.9 | 3.2 | 375 | 10.1 | 3.0 | 395 |
| 831 | 390 | 12.5 | 3.7 | 330 | 11.7 | 3.4 | 345 | 10.9 | 3.2 | 360 | 10.1 | 3.0 | 375 |
| 970 | 460 | 12.7 | 3.7 | 315 | 12.0 | 3.5 | 330 | 11.2 | 3.3 | 345 | 10.4 | 3.0 | 360 |

MAXIMUM CAPACITY

| Indoor Coil Air Volume 65°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 | | | | |
| CFM | L/s | kBtuh | kW | kBtuh | kW | kBtuh | kW | kBtuh | kW | kBtuh | kW | kBtuh | kW | | | |
| 1050 | 495 | 41.8 | 12.3 | 2760 | 33.3 | 9.8 | 2435 | 24.7 | 7.2 | 2075 | 16.5 | 4.8 | 1880 | 8.1 | 2.4 | 1415 |
| 1216 | 575 | 42.5 | 12.5 | 2665 | 33.9 | 9.9 | 2340 | 25.3 | 7.4 | 1980 | 17.1 | 5.0 | 1785 | 8.7 | 2.5 | 1315 |
| 1385 | 655 | 43.4 | 12.7 | 2590 | 34.8 | 10.2 | 2265 | 26.2 | 7.7 | 1910 | 18.0 | 5.3 | 1715 | 9.6 | 2.8 | 1245 |

| | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 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 | | 2.67 | 2.60 | 2.53 | 2.46 | 2.42 | 2.34 | 2.15 | 1.96 | 1.97 | 1.98 | 2.00 | 2.00 | 1.98 | 1.91 | 1.79 | 1.67 | 1.55 | 1.44 | 1.32 | 1.20 |
| Total Output | kBtuh | 42.5 | 40.3 | 38.2 | 36.1 | 34.8 | 33.9 | 31.6 | 29.3 | 27.3 | 25.3 | 23.3 | 22.1 | 21.3 | 19.2 | 17.1 | 15 | 12.9 | 10.8 | 8.7 | 6.6 |
| | kW | 12.5 | 11.8 | 11.2 | 10.6 | 10.2 | 9.9 | 9.3 | 8.6 | 8.0 | 7.4 | 6.8 | 6.5 | 6.2 | 5.6 | 5.0 | 4.4 | 3.8 | 3.2 | 2.5 | 1.9 |

| | Inputs | | | | | |
|----------|--------------------|--|--------------------|--|--------------------|--|
| | Cap | | Watts | | Watts | |
| | Low | | Med | | High | |
| CFM | 726 | | 831 | | 970 | |
| 62°F Low | 12003.304 | | 355.082 | | 12006.137 338.698 | |
| 47°F Low | --- | | --- | | 9670.622 385.625 | |
| CFM | 1050 | | 1216 | | 1385 | |
| 47°F | 34200.948 2510.592 | | 34836.619 2414.633 | | 35748.252 2343.575 | |
| 35°F | --- | | 29281.329 1955.715 | | --- | |
| 17°F | --- | | 22139.648 2000.225 | | --- | |

HEATING PERFORMANCE EXTENDED RATINGS

4HP18V36P-50 - BCE5V36M - INDOOR COIL AT 70°F DRY BULB

MINIMUM CAPACITY

| Indoor Coil Air Volume 70°F db (28°C db) | | Air Temperature Entering Outdoor Coil | | | | | | | | | | | |
|---|-----|---------------------------------------|-----|-------------------------|------|------------------------|-----|-------------------------|-----|------------------------|------|-------------------------|-----|
| | | 65°F (18°C) | | 60°F (16°C) | | 55°F (13°C) | | 50°F (10°C) | | | | | |
| | | 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 |
| 726 | 345 | 12.2 | 3.6 | 390 | 11.5 | 3.4 | 400 | 10.7 | 3.1 | 415 | 9.9 | 2.9 | 430 |
| 831 | 390 | 12.2 | 3.6 | 370 | 11.5 | 3.4 | 385 | 10.7 | 3.1 | 395 | 9.9 | 2.9 | 410 |
| 970 | 460 | 12.6 | 3.7 | 355 | 11.8 | 3.5 | 370 | 11.0 | 3.2 | 385 | 10.3 | 3.0 | 400 |

MAXIMUM CAPACITY

| 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 | | | | |
| CFM | L/s | kBtuh | kW | kBtuh | kW | kBtuh | kW | kBtuh | kW | kBtuh | kW | kBtuh | kW | | | |
| 1050 | 495 | 40.9 | 12.0 | 2890 | 32.6 | 9.6 | 2535 | 24.3 | 7.1 | 2150 | 16.2 | 4.7 | 1930 | 7.9 | 2.3 | 1450 |
| 1216 | 575 | 41.6 | 12.2 | 2805 | 33.3 | 9.8 | 2450 | 25.0 | 7.3 | 2065 | 16.9 | 5.0 | 1850 | 8.6 | 2.5 | 1365 |
| 1385 | 655 | 42.5 | 12.5 | 2735 | 34.2 | 10.0 | 2380 | 25.9 | 7.6 | 1995 | 17.8 | 5.2 | 1780 | 9.5 | 2.8 | 1295 |

| 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 | | 2.81 | 2.73 | 2.66 | 2.58 | 2.53 | 2.45 | 2.26 | 2.06 | 2.06 | 2.07 | 2.08 | 2.08 | 2.05 | 1.97 | 1.85 | 1.73 | 1.61 | 1.49 | 1.37 | 1.25 |
| Total Output | kBtuh | 41.6 | 39.5 | 37.5 | 35.4 | 34.2 | 33.3 | 31.1 | 28.9 | 26.9 | 25 | 23 | 21.8 | 21 | 19 | 16.9 | 14.8 | 12.8 | 10.7 | 8.6 | 6.6 |
| | kW | 12.2 | 11.6 | 11.0 | 10.4 | 10.0 | 9.8 | 9.1 | 8.5 | 7.9 | 7.3 | 6.7 | 6.4 | 6.2 | 5.6 | 5.0 | 4.3 | 3.8 | 3.1 | 2.5 | 1.9 |

| | Inputs | | | | | |
|----------|-----------|--|----------|--|-----------|--|
| | Cap | | Watts | | Watts | |
| | Low | | Med | | High | |
| CFM | 726 | | 831 | | 970 | |
| 62°F Low | 11769.418 | | 396.542 | | 11779.34 | |
| 47°F Low | --- | | --- | | 9484.096 | |
| CFM | 1050 | | 1216 | | 1385 | |
| 47°F | 33478.862 | | 2614.818 | | 34171.371 | |
| 35°F | --- | | --- | | 28870.357 | |
| 17°F | --- | | --- | | 21834.423 | |

HEATING PERFORMANCE EXTENDED RATINGS

4HP18V36P-50 - BCE5V36M - INDOOR COIL AT 75°F DRY BULB

MINIMUM CAPACITY

| Indoor Coil Air Volume 75°F db (28°C db) | | Air Temperature Entering Outdoor Coil | | | | | | | | | | | | | | | |
|---|-----|---------------------------------------|-----|-------------------------|------|------------------------|-----|-------------------------|-----|------------------------|------|-------------------------|-----|------------------------|-----|-------------------------|--|
| | | 65°F (18°C) | | | | 60°F (16°C) | | | | 55°F (13°C) | | | | 50°F (10°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 | |
| CFM | L/s | kBtuh | kW | kBtuh | kW | kBtuh | kW | kBtuh | kW | kBtuh | kW | kBtuh | kW | kBtuh | kW | | |
| 726 | 345 | 12.0 | 3.5 | 425 | 11.3 | 3.3 | 440 | 10.5 | 3.1 | 455 | 9.7 | 2.8 | 465 | 9.7 | 2.8 | | |
| 831 | 390 | 12.1 | 3.5 | 410 | 11.3 | 3.3 | 425 | 10.5 | 3.1 | 440 | 9.7 | 2.8 | 450 | 9.7 | 2.8 | | |
| 970 | 460 | 12.3 | 3.6 | 395 | 11.6 | 3.4 | 410 | 10.8 | 3.2 | 425 | 10.0 | 2.9 | 435 | 10.0 | 2.9 | | |

MAXIMUM CAPACITY

| Indoor Coil Air Volume 75°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 | 40.0 | 11.7 | 3015 | 32.0 | 9.4 | 2645 | 23.9 | 7.0 | 2245 | 16.0 | 4.7 | 2010 | 7.9 | 2.3 | 1510 | 7.9 | 2.3 | 1510 | | |
| 1216 | 575 | 40.6 | 11.9 | 2925 | 32.6 | 9.6 | 2555 | 24.6 | 7.2 | 2155 | 16.6 | 4.9 | 1920 | 8.5 | 2.5 | 1420 | 8.5 | 2.5 | 1420 | | |
| 1385 | 655 | 41.5 | 12.2 | 2865 | 33.5 | 9.8 | 2495 | 25.5 | 7.5 | 2095 | 17.6 | 5.2 | 1860 | 9.4 | 2.8 | 1360 | 9.4 | 2.8 | 1360 | | |

| | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|
| 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 | | 2.93 | 2.85 | 2.77 | 2.69 | 2.64 | 2.56 | 2.36 | 2.15 | 2.16 | 2.16 | 2.16 | 2.16 | 2.13 | 2.05 | 1.92 | 1.8 | 1.67 | 1.55 | 1.42 | 1.3 |
| Total Output | kBtuh | 40.6 | 38.6 | 36.6 | 34.6 | 33.4 | 32.6 | 30.5 | 28.4 | 26.5 | 24.6 | 22.6 | 21.5 | 20.7 | 18.7 | 16.6 | 14.6 | 12.5 | 10.5 | 8.5 | 6.4 |
| | kW | 11.9 | 11.3 | 10.7 | 10.1 | 9.8 | 9.6 | 8.9 | 8.3 | 7.8 | 7.2 | 6.6 | 6.3 | 6.1 | 5.5 | 4.9 | 4.3 | 3.7 | 3.1 | 2.5 | 1.9 |

| | Inputs | | | | | |
|----------|-----------|--|----------|--|-----------|--|
| | Cap | | Watts | | Watts | |
| | Low | | Med | | High | |
| CFM | 726 | | 831 | | 970 | |
| 62°F Low | 11582.827 | | 433.686 | | 11594.856 | |
| 47°F Low | --- | | --- | | 9271.417 | |
| CFM | 1050 | | 1216 | | 1385 | |
| 47°F | 32808.519 | | 2727.334 | | 33430.815 | |
| 35°F | --- | | --- | | 28431.65 | |
| 17°F | --- | | --- | | 21454.184 | |

HEATING PERFORMANCE EXTENDED RATINGS

4HP18V60P-50 - BCE5V60M - INDOOR COIL AT 65°F DRY BULB

MINIMUM CAPACITY

| Indoor Coil Air Volume 65°F db (28°C db) | | Air Temperature Entering Outdoor Coil | | | | | | | | | | | | | | | |
|---|-----|---------------------------------------|-----|-------------------------|------|------------------------|-----|-------------------------|-----|------------------------|------|-------------------------|-----|------------------------|-----|-------------------------|--|
| | | 65°F (18°C) | | | | 60°F (16°C) | | | | 55°F (13°C) | | | | 50°F (10°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 | |
| CFM | L/s | kBtuh | kW | kBtuh | kW | kBtuh | kW | kBtuh | kW | kBtuh | kW | kBtuh | kW | kBtuh | kW | | |
| 1111 | 525 | 23.2 | 6.8 | 900 | 21.7 | 6.4 | 905 | 20.3 | 5.9 | 915 | 18.8 | 5.5 | 920 | 18.8 | 5.5 | | |
| 1212 | 570 | 23.2 | 6.8 | 875 | 21.8 | 6.4 | 880 | 20.3 | 5.9 | 885 | 18.9 | 5.5 | 890 | 18.9 | 5.5 | | |
| 1380 | 650 | 23.8 | 7.0 | 830 | 22.4 | 6.6 | 835 | 20.9 | 6.1 | 840 | 19.5 | 5.7 | 845 | 19.5 | 5.7 | | |

MAXIMUM CAPACITY

| Indoor Coil Air Volume 65°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 | | |
| 1605 | 755 | 68.0 | 19.9 | 5075 | 55.5 | 16.3 | 4705 | 43.1 | 12.6 | 4320 | 29.4 | 8.6 | 3860 | 14.4 | 4.2 | 2870 | 14.4 | 4.2 | 2870 | | |
| 1838 | 865 | 68.9 | 20.2 | 4865 | 56.4 | 16.5 | 4495 | 44.0 | 12.9 | 4110 | 30.3 | 8.9 | 3650 | 15.3 | 4.5 | 2660 | 15.3 | 4.5 | 2660 | | |
| 2030 | 960 | 69.8 | 20.5 | 4730 | 57.3 | 16.8 | 4360 | 45.0 | 13.2 | 3975 | 31.3 | 9.2 | 3515 | 16.3 | 4.8 | 2525 | 16.3 | 4.8 | 2525 | | |

| 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 | | 4.87 | 4.78 | 4.69 | 4.6 | 4.55 | 4.5 | 4.36 | 4.22 | 4.17 | 4.11 | 4.06 | 4.02 | 3.99 | 3.9 | 3.65 | 3.41 | 3.16 | 2.91 | 2.66 | 2.42 |
| Total Output | kBtuh | 68.9 | 65.7 | 62.5 | 59.4 | 57.5 | 56.4 | 53.6 | 50.8 | 47.4 | 44 | 40.6 | 38.5 | 37.3 | 34.1 | 30.3 | 26.6 | 22.8 | 19.1 | 15.3 | 11.6 |
| | kW | 20.2 | 19.3 | 18.3 | 17.4 | 16.9 | 16.5 | 15.7 | 14.9 | 13.9 | 12.9 | 11.9 | 11.3 | 10.9 | 10.0 | 8.9 | 7.8 | 6.7 | 5.6 | 4.5 | 3.4 |

| | Inputs | | | | | |
|----------|-----------|--|----------|--|-----------|--|
| | Cap | | Watts | | Watts | |
| | Low | | Med | | High | |
| CFM | 1111 | | 1212 | | 1380 | |
| 62°F Low | 22311.862 | | 905.201 | | 22347.104 | |
| 47°F Low | --- | | --- | | 17998.422 | |
| CFM | 1605 | | 1838 | | 2030 | |
| 47°F | 56580.116 | | 4760.251 | | 57488.084 | |
| 35°F | --- | | --- | | 50803.357 | |
| 17°F | --- | | --- | | 38522.453 | |

HEATING PERFORMANCE EXTENDED RATINGS

4HP18V60P-50 - BCE5V60M - INDOOR COIL AT 70°F DRY BULB

MINIMUM CAPACITY

| Indoor Coil Air Volume 70°F db (28°C db) | | Air Temperature Entering Outdoor Coil | | | | | | | | | | | |
|---|-----|---------------------------------------|-----|-------------------------|------|------------------------|------|-------------------------|-----|------------------------|------|-------------------------|------|
| | | 65°F (18°C) | | 60°F (16°C) | | 55°F (13°C) | | 50°F (10°C) | | | | | |
| | | 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 |
| 1111 | 525 | 22.7 | 6.7 | 1005 | 21.3 | 6.2 | 1010 | 19.9 | 5.8 | 1010 | 18.5 | 5.4 | 1015 |
| 1212 | 570 | 22.8 | 6.7 | 970 | 21.4 | 6.3 | 975 | 19.9 | 5.8 | 980 | 18.5 | 5.4 | 980 |
| 1380 | 650 | 23.4 | 6.9 | 930 | 21.9 | 6.4 | 935 | 20.5 | 6.0 | 935 | 19.1 | 5.6 | 940 |

MAXIMUM CAPACITY

| 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 | | | | |
| CFM | L/s | kBtuh | kW | kBtuh | kW | kBtuh | kW | kBtuh | kW | kBtuh | kW | kBtuh | kW | | | |
| 1605 | 755 | 67.3 | 19.7 | 5410 | 54.9 | 16.1 | 5005 | 42.6 | 12.5 | 4585 | 29.2 | 8.6 | 4100 | 14.3 | 4.2 | 3055 |
| 1838 | 865 | 68.2 | 20.0 | 5170 | 55.8 | 16.4 | 4765 | 43.5 | 12.7 | 4345 | 30.1 | 8.8 | 3860 | 15.2 | 4.5 | 2815 |
| 2030 | 960 | 69.2 | 20.3 | 5025 | 56.8 | 16.6 | 4620 | 44.5 | 13.0 | 4200 | 31.1 | 9.1 | 3715 | 16.2 | 4.7 | 2670 |

| | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 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 | | 5.17 | 5.08 | 4.98 | 4.89 | 4.83 | 4.77 | 4.61 | 4.46 | 4.4 | 4.35 | 4.29 | 4.26 | 4.22 | 4.13 | 3.86 | 3.6 | 3.34 | 3.08 | 2.82 | 2.56 |
| Total Output | kBtuh | 68.2 | 65 | 61.9 | 58.8 | 56.9 | 55.8 | 53 | 50.2 | 46.9 | 43.5 | 40.2 | 38.2 | 37 | 33.8 | 30.1 | 26.4 | 22.7 | 18.9 | 15.2 | 11.5 |
| | kW | 20.0 | 19.0 | 18.1 | 17.2 | 16.7 | 16.4 | 15.5 | 14.7 | 13.7 | 12.7 | 11.8 | 11.2 | 10.8 | 9.9 | 8.8 | 7.7 | 6.7 | 5.5 | 4.5 | 3.4 |

| CFM | Inputs | | | | | |
|----------|-----------|--|----------|--|-----------|--|
| | Cap | | Watts | | Watts | |
| | Low | | Med | | High | |
| | 1111 | | 1212 | | 1380 | |
| 62°F Low | 21891.274 | | 1008.056 | | 21931.16 | |
| 47°F Low | --- | | --- | | 17653.772 | |
| | 1605 | | 1838 | | 2030 | |
| 47°F | 56043.57 | | 5069.285 | | 56928.888 | |
| 35°F | --- | | --- | | 50182.81 | |
| 17°F | --- | | --- | | 38210.078 | |

HEATING PERFORMANCE EXTENDED RATINGS

4HP18V60P-50 - BCE5V60M - INDOOR COIL AT 75°F DRY BULB

MINIMUM CAPACITY

| Indoor Coil Air Volume 75°F db (28°C db) | | Air Temperature Entering Outdoor Coil | | | | | | | | | | | |
|---|-----|---------------------------------------|-----|-------------------------|------|------------------------|------|-------------------------|-----|------------------------|------|-------------------------|------|
| | | 65°F (18°C) | | 60°F (16°C) | | 55°F (13°C) | | 50°F (10°C) | | | | | |
| | | 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 |
| 1111 | 525 | 22.3 | 6.5 | 1115 | 20.9 | 6.1 | 1115 | 19.5 | 5.7 | 1110 | 18.1 | 5.3 | 1110 |
| 1212 | 570 | 22.3 | 6.5 | 1085 | 20.9 | 6.1 | 1085 | 19.5 | 5.7 | 1085 | 18.1 | 5.3 | 1080 |
| 1380 | 650 | 22.9 | 6.7 | 1045 | 21.5 | 6.3 | 1045 | 20.1 | 5.9 | 1045 | 18.7 | 5.5 | 1040 |

MAXIMUM CAPACITY

| Indoor Coil Air Volume 75°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 | | | | |
| CFM | L/s | kBtuh | kW | kBtuh | kW | kBtuh | kW | kBtuh | kW | kBtuh | kW | kBtuh | kW | | | |
| 1605 | 755 | 66.6 | 19.5 | 5770 | 54.4 | 15.9 | 5325 | 42.3 | 12.4 | 4855 | 29.1 | 8.5 | 4335 | 14.2 | 4.2 | 3235 |
| 1838 | 865 | 67.5 | 19.8 | 5510 | 55.3 | 16.2 | 5060 | 43.1 | 12.6 | 4595 | 29.9 | 8.8 | 4075 | 15.1 | 4.4 | 2975 |
| 2030 | 960 | 68.4 | 20.0 | 5355 | 56.2 | 16.5 | 4905 | 44.1 | 12.9 | 4440 | 30.9 | 9.1 | 3915 | 16.0 | 4.7 | 2815 |

| 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 | | 5.51 | 5.41 | 5.3 | 5.2 | 5.13 | 5.06 | 4.89 | 4.72 | 4.66 | 4.6 | 4.54 | 4.5 | 4.46 | 4.35 | 4.08 | 3.8 | 3.53 | 3.25 | 2.98 | 2.7 |
| Total Output | kBtuh | 67.5 | 64.4 | 61.3 | 58.2 | 56.4 | 55.3 | 52.5 | 49.7 | 46.4 | 43.1 | 39.9 | 37.9 | 36.7 | 33.6 | 29.9 | 26.2 | 22.5 | 18.8 | 15.1 | 11.4 |
| | kW | 19.8 | 18.9 | 18.0 | 17.1 | 16.5 | 16.2 | 15.4 | 14.6 | 13.6 | 12.6 | 11.7 | 11.1 | 10.8 | 9.8 | 8.8 | 7.7 | 6.6 | 5.5 | 4.4 | 3.3 |

| | Inputs | | | | | |
|----------|-----------|--|----------|--|-----------|--|
| | Cap | | Watts | | Watts | |
| | Low | | Med | | High | |
| CFM | 1111 | | 1212 | | 1380 | |
| 62°F Low | 21456.339 | | 1113.413 | | 21490.625 | |
| 47°F Low | --- | | --- | | 17268.653 | |
| CFM | 1605 | | 1838 | | 2030 | |
| 47°F | 55534.082 | | 5391.9 | | 56382.546 | |
| 35°F | --- | | --- | | 49670.237 | |
| 17°F | --- | | --- | | 37916.407 | |

ACCESSORIES

| Description | Where Used | Kit Number | Purpose |
|-----------------------|------------|-----------------------|---|
| TXV Kit | 36 | H4TXV01 | TXVs provide superior refrigerant flow control, comfort and efficiency |
| | 60 | H4TXV03 | |
| Crankcase heater | All models | Factory installed | Prevents liquid migration to compressor in cold weather |
| Sound Blanket | All models | Factory installed | Lowers compressor sound level |
| Short Cycle Protector | All models | Control Board Feature | Protects compressor from short cycling. |
| Liquid Line Solenoid | All models | 60M52 | Prevents liquid migration to the compressor especially for high liquid riser applications |
| Freezestat | 3/8 tubing | 93G35 | Protects the compressor at low suction pressure conditions |



1-800-448-5872

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