

### Features and Benefits

### 4SHP16LT

#### COMPRESSOR

- High-efficiency 2 stage Copeland Ultra Tech™ scroll compressor
- R410a refrigerant
- Grommet mounted compressor for quiet operation
- Internally protected against high temperature motor overload conditions

#### CABINET

- Full metal louvered panel coil guard protection
- Controls located in corner post for easy installation and service
- Rounded corners for safety and attractive, clean appearance
- Baked polyester paint finish over galvanized steel for maximum durability
- PVC coated wire fan discharge grill
- External gauge ports for easy service
- Raised base pan with ports allows for excellent water and debris drainage

#### COMPONENTS

- Full metal louvered panels remove for easy coil cleaning and service
- Bi-directional filter drier for long-lasting durability and system protection
- Discharge muffler for quiet operation
- Factory installed crank case heater
- Advanced design defrost system featuring a smart logic for power consumption savings
- Service valves positioned for quick installation and easy service
- Comfort Alert 2 diagnostics factory installed
- Reliable, solid state defrost control
- Defrost control is Quiet Shift™ capable

#### DESIGN

- Designed for ambients up to 125°F

#### COIL

- Enhanced aluminum fins and copper tubing for high efficiency and capacity
- Raised coil prevents debris from collecting in bottom of coil and causing loss of airflow



Proper sizing and installation of equipment is critical to achieve optimal performance. Split system air conditioners and heat pumps must be matched with appropriate coil components to meet ENERGY STAR criteria. Ask your contractor for details or visit [www.energystar.gov](http://www.energystar.gov)

#### FACTORY INSTALLED ACCESSORIES

- Crank case heater
- Compressor sound cover for quiet operation
- High pressure switch
- Low pressure switch for loss of charge protection

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

## Model Number Guide

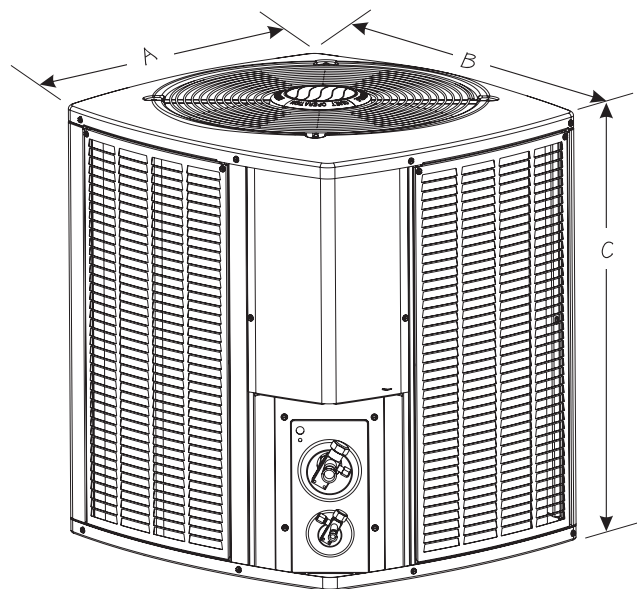
| 4                    | SHP | 16 | LT | 1 | 24 | P | - | 2 | A |                                      |
|----------------------|-----|----|----|---|----|---|---|---|---|--------------------------------------|
| 4 - R410a            |     |    |    |   |    |   |   |   |   | Minor Revision Code                  |
| Heat Pump            |     |    |    |   |    |   |   |   |   | Major Revision Code                  |
| 16 - 16 SEER Nominal |     |    |    |   |    |   |   |   |   | Voltage<br>P - 208-230v/60hz/1Ph     |
| Louvered Two Stage   |     |    |    |   |    |   |   |   |   | Nominal Capacity<br>24 - 24,000 Btuh |
| Series               |     |    |    |   |    |   |   |   |   |                                      |

## Physical and Electrical

| Model          | Voltage/Hz/<br>Phase | Voltage<br>Range | Min.<br>Circuit<br>Amp. | Max.<br>Over<br>current<br>Device<br>(amps) | Compressor              |                           | Fan Motor               |             |             | Refrig.<br>Charge<br>(oz.) | Weight<br>(lbs.) |
|----------------|----------------------|------------------|-------------------------|---------------------------------------------|-------------------------|---------------------------|-------------------------|-------------|-------------|----------------------------|------------------|
|                |                      |                  |                         |                                             | Rated<br>Load<br>(amps) | Locked<br>Rotor<br>(amps) | Rated<br>Load<br>(amps) | Rated<br>HP | Nom.<br>RPM |                            |                  |
| 4SHP16LT124P-2 | 208-230-60/1         | 197-253          | 13.5                    | 20                                          | 11.4                    | 52                        | 0.7                     | 1/10        | 1075        | 146                        | 207              |
| 4SHP16LT136P-2 | 208-230-60/1         | 197-253          | 22.5                    | 35                                          | 19.0                    | 82                        | 1.7                     | 1/4         | 825         | 192                        | 253              |
| 4SHP16LT148P-2 | 208-230-60/1         | 197-253          | 28.2                    | 45                                          | 24.0                    | 96                        | 1.8                     | 1/3         | 825         | 236                        | 288              |
| 4SHP16LT160P-2 | 208-230-60/1         | 197-253          | 35.1                    | 60                                          | 26.0                    | 118                       | 2.8                     | 1/3         | ECM         | 244                        | 313              |

## Unit Dimensions (in.) and Sound Ratings

| Model No.      | Dimensions |        |        | Sound<br>Rating<br>dBA |
|----------------|------------|--------|--------|------------------------|
|                | A          | B      | C      |                        |
| 4SHP16LT124P-2 | 24-3/4     | 26-3/4 | 33-3/4 | 73                     |
| 4SHP16LT136P-2 | 29-3/8     | 31-1/4 | 37-3/4 | 75                     |
| 4SHP16LT148P-2 | 35-3/4     | 37-3/4 | 37-3/4 | 75                     |
| 4SHP16LT160P-2 | 35-3/4     | 37-3/4 | 43-3/4 | 74                     |



## Cooling Performance with Air Handlers and Furnaces 24

| Outdoor Model  | Indoor Model                                |                | Cooling |      |                                 |                         | Heating |        |     |        | CFM  | Refrigerant Connection |        |         |        | Refrig. Line Size |        | Indoor Expansion Device |     |         |
|----------------|---------------------------------------------|----------------|---------|------|---------------------------------|-------------------------|---------|--------|-----|--------|------|------------------------|--------|---------|--------|-------------------|--------|-------------------------|-----|---------|
|                |                                             |                |         |      |                                 |                         |         |        |     |        |      | Outdoor                |        | Indoor  |        | Suction           | Liquid | Piston?                 | TXV |         |
|                | Evaporator Coil or Air Handler <sup>2</sup> | Furnaces       | SEER    | EER  | ARI Rated Capacity <sup>1</sup> | Rated Sensible Capacity | HSPF    | 47     |     | 17     |      | Suction                | Liquid | Suction | Liquid |                   |        |                         |     |         |
|                |                                             |                |         |      |                                 |                         |         | Btuh   | COP | Btuh   |      |                        |        |         |        |                   |        |                         |     | COP     |
| 4SHP16UT124P-2 | BCS2M24V00NA1P                              |                | 15.0    | 12.5 | 24,000                          | 17,400                  | 8.5     | 24,000 | 3.3 | 14,000 | 2.40 | 850                    | 3/4    | 3/8     | 3/4    | 3/8               | 3/4    | 3/8                     | NA  | H4TXV01 |
|                | E(U,C,M,H)1P36B                             | EFV08BC        | 15.0    | 12.5 | 24,000                          | 17,400                  | 8.5     | 24,000 | 3.3 | 14,000 | 2.40 | 850                    | 3/4    | 3/8     | 3/4    | 3/8               | 3/4    | 3/8                     | NA  | H4TXV01 |
|                | E(U,M,H)1P29B                               | EFV08BC        | 15.0    | 12.5 | 24,000                          | 17,400                  | 8.5     | 24,000 | 3.3 | 14,000 | 2.40 | 850                    | 3/4    | 3/8     | 3/4    | 3/8               | 3/4    | 3/8                     | NA  | H4TXV01 |
|                | E(U,C,M,H)1P29A                             | A80DF1E045A12  | 14.5    | 12.0 | 24,000                          | 17,400                  | 8.5     | 22,600 | 3.3 | 14,000 | 2.40 | 850                    | 3/4    | 3/8     | 3/4    | 3/8               | 3/4    | 3/8                     | NA  | H4TXV01 |
|                | E(U,C,M,H)1P36A                             | A80DF1E045A12  | 14.5    | 12.0 | 24,000                          | 17,400                  | 8.5     | 22,000 | 3.3 | 14,000 | 2.40 | 850                    | 3/4    | 3/8     | 3/4    | 3/8               | 3/4    | 3/8                     | NA  | H4TXV01 |
|                | E(U,C,M,H)1P29B                             | A80DF1E070B12  | 14.0    | 12.0 | 24,000                          | 17,400                  | 8.5     | 22,600 | 3.3 | 14,000 | 2.40 | 850                    | 3/4    | 3/8     | 3/4    | 3/8               | 3/4    | 3/8                     | NA  | H4TXV01 |
|                | E(U,C,M,H)1P36B                             | A80DF1E070B12  | 14.0    | 12.0 | 24,000                          | 17,400                  | 8.5     | 22,000 | 3.3 | 14,000 | 2.40 | 850                    | 3/4    | 3/8     | 3/4    | 3/8               | 3/4    | 3/8                     | NA  | H4TXV01 |
|                | E(U,C,M,H)1P29A                             | A80DF2V070A12  | 14.5    | 12.5 | 24,000                          | 17,400                  | 8.5     | 22,600 | 3.3 | 14,000 | 2.40 | 850                    | 3/4    | 3/8     | 3/4    | 3/8               | 3/4    | 3/8                     | NA  | H4TXV01 |
|                | E(U,C,M,H)1P36A                             | A80DF2V070A12  | 14.5    | 12.5 | 24,000                          | 17,400                  | 8.5     | 22,000 | 3.3 | 14,000 | 2.40 | 850                    | 3/4    | 3/8     | 3/4    | 3/8               | 3/4    | 3/8                     | NA  | H4TXV01 |
|                | E(U,C,M,H)1P29B                             | A80DF2V090B16  | 14.5    | 12.5 | 24,000                          | 17,400                  | 8.5     | 22,600 | 3.3 | 14,000 | 2.40 | 850                    | 3/4    | 3/8     | 3/4    | 3/8               | 3/4    | 3/8                     | NA  | H4TXV01 |
|                | E(U,C,M,H)1P36B                             | A80DF2V090B16  | 14.5    | 12.5 | 24,000                          | 17,400                  | 8.5     | 22,000 | 3.3 | 14,000 | 2.40 | 850                    | 3/4    | 3/8     | 3/4    | 3/8               | 3/4    | 3/8                     | NA  | H4TXV01 |
|                | E(U,M,H)1P29B                               | A80DF2V090B16  | 14.2    | 12.5 | 24,000                          | 17,400                  | 8.5     | 22,000 | 3.3 | 14,000 | 2.40 | 850                    | 3/4    | 3/8     | 3/4    | 3/8               | 3/4    | 3/8                     | NA  | H4TXV01 |
|                | E(U,C,M,H)1P29A                             | A80UH1E045A12* | 14.5    | 12.0 | 24,000                          | 17,400                  | 8.5     | 22,600 | 3.3 | 14,000 | 2.40 | 850                    | 3/4    | 3/8     | 3/4    | 3/8               | 3/4    | 3/8                     | NA  | H4TXV01 |
|                | E(U,C,M,H)1P36A                             | A80UH1E045A12* | 14.5    | 12.5 | 24,000                          | 17,400                  | 8.5     | 22,000 | 3.3 | 14,000 | 2.40 | 850                    | 3/4    | 3/8     | 3/4    | 3/8               | 3/4    | 3/8                     | NA  | H4TXV01 |
|                | E(U,C,M,H)1P29B                             | A80UH1E070B12* | 14.0    | 12.0 | 24,000                          | 17,400                  | 8.5     | 22,600 | 3.3 | 14,000 | 2.40 | 850                    | 3/4    | 3/8     | 3/4    | 3/8               | 3/4    | 3/8                     | NA  | H4TXV01 |
|                | E(U,C,M,H)1P36B                             | A80UH1E070B12* | 14.0    | 12.0 | 24,000                          | 17,400                  | 8.5     | 22,000 | 3.3 | 14,000 | 2.40 | 850                    | 3/4    | 3/8     | 3/4    | 3/8               | 3/4    | 3/8                     | NA  | H4TXV01 |
|                | E(U,C,M,H)1P36B                             | A80UH2V090B12  | 14.5    | 12.5 | 24,000                          | 17,400                  | 8.5     | 22,000 | 3.3 | 14,000 | 2.40 | 850                    | 3/4    | 3/8     | 3/4    | 3/8               | 3/4    | 3/8                     | NA  | H4TXV01 |
|                | E(U,M,H)1P29B                               | A80UH2V090B12  | 14.5    | 12.5 | 24,000                          | 17,400                  | 8.5     | 22,600 | 3.3 | 14,000 | 2.40 | 850                    | 3/4    | 3/8     | 3/4    | 3/8               | 3/4    | 3/8                     | NA  | H4TXV01 |
|                | E(U,C,M,H)1P36B                             | A80UH2V090B16  | 14.5    | 12.5 | 24,000                          | 17,400                  | 8.5     | 22,000 | 3.3 | 14,000 | 2.40 | 850                    | 3/4    | 3/8     | 3/4    | 3/8               | 3/4    | 3/8                     | NA  | H4TXV01 |
|                | E(U,M,H)1P29B                               | A80UH2V090B16  | 14.5    | 12.5 | 24,000                          | 17,400                  | 8.5     | 22,600 | 3.3 | 14,000 | 2.40 | 850                    | 3/4    | 3/8     | 3/4    | 3/8               | 3/4    | 3/8                     | NA  | H4TXV01 |
|                | E(U,C,M,H)1P29B                             | A95DF2V045B12S | 14.5    | 12.5 | 24,000                          | 17,400                  | 8.5     | 22,600 | 3.3 | 14,000 | 2.40 | 850                    | 3/4    | 3/8     | 3/4    | 3/8               | 3/4    | 3/8                     | NA  | H4TXV01 |
|                | E(U,C,M,H)1P36B                             | A95DF2V045B12S | 14.5    | 12.5 | 24,000                          | 17,400                  | 8.5     | 22,000 | 3.3 | 14,000 | 2.40 | 850                    | 3/4    | 3/8     | 3/4    | 3/8               | 3/4    | 3/8                     | NA  | H4TXV01 |
|                | E(U,C,M,H)1P29B                             | A95UH1E070B12S | 14.0    | 12.0 | 24,000                          | 17,400                  | 8.5     | 22,600 | 3.3 | 14,000 | 2.40 | 850                    | 3/4    | 3/8     | 3/4    | 3/8               | 3/4    | 3/8                     | NA  | H4TXV01 |
|                | E(U,C,M,H)1P36B                             | A95UH1E070B12S | 14.0    | 12.0 | 24,000                          | 17,400                  | 8.5     | 22,000 | 3.3 | 14,000 | 2.40 | 850                    | 3/4    | 3/8     | 3/4    | 3/8               | 3/4    | 3/8                     | NA  | H4TXV01 |
|                | E(U,C,M,H)1P29B                             | A95UH2V045B12S | 14.5    | 12.5 | 24,000                          | 17,400                  | 8.5     | 22,600 | 3.3 | 14,000 | 2.40 | 850                    | 3/4    | 3/8     | 3/4    | 3/8               | 3/4    | 3/8                     | NA  | H4TXV01 |
|                | E(U,C,M,H)1P36B                             | A95UH2V045B12S | 15.0    | 12.5 | 24,000                          | 17,400                  | 8.5     | 22,000 | 3.3 | 14,000 | 2.40 | 850                    | 3/4    | 3/8     | 3/4    | 3/8               | 3/4    | 3/8                     | NA  | H4TXV01 |
|                | E(U,C,M,H)1P29B                             | A95UH2V070B12S | 15.0    | 12.5 | 24,000                          | 17,400                  | 8.5     | 22,600 | 3.3 | 14,000 | 2.40 | 850                    | 3/4    | 3/8     | 3/4    | 3/8               | 3/4    | 3/8                     | NA  | H4TXV01 |
|                | E(U,C,M,H)1P36B                             | A95UH2V070B12S | 15.0    | 12.5 | 24,000                          | 17,400                  | 8.5     | 22,000 | 3.3 | 14,000 | 2.40 | 850                    | 3/4    | 3/8     | 3/4    | 3/8               | 3/4    | 3/8                     | NA  | H4TXV01 |
|                | E(U,C,M,H)1P36C                             | A95UH2V090C12S | 15.0    | 12.5 | 24,000                          | 17,400                  | 8.5     | 22,000 | 3.3 | 14,000 | 2.40 | 850                    | 3/4    | 3/8     | 3/4    | 3/8               | 3/4    | 3/8                     | NA  | H4TXV01 |
|                | E(U,C,M,H)1P36B                             | A96DFMV070B12  | 14.5    | 12.5 | 24,000                          | 17,400                  | 8.5     | 22,000 | 3.3 | 14,000 | 2.40 | 850                    | 3/4    | 3/8     | 3/4    | 3/8               | 3/4    | 3/8                     | NA  | H4TXV01 |

Note:<sup>1</sup>Certified in accordance with Unitary Air Conditioner Certification Program, which is based on AHRI Standard 210/240.<sup>2</sup>Required to achieve AHRI rating. If NA (Not Applicable) is in the piston column, then TXV is required<sup>3</sup>A blower time delay is required to achieve AHRI rating. This feature is standard on all Allied Air Enterprises furnace and air handler products.

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| Outdoor Model  | Indoor Model                                |                     | Cooling |      |                                 |                         | Heating |        |     |        | CFM  | Refrigerant Connection |        |         |        | Refrig. Line Size |        | Indoor Expansion Device |     |         |
|----------------|---------------------------------------------|---------------------|---------|------|---------------------------------|-------------------------|---------|--------|-----|--------|------|------------------------|--------|---------|--------|-------------------|--------|-------------------------|-----|---------|
|                |                                             |                     |         |      |                                 |                         |         |        |     |        |      | Outdoor                |        | Indoor  |        | Suction           | Liquid | Piston <sup>2</sup>     | TXV |         |
|                | Evaporator Coil or Air Handler <sup>2</sup> | Furnaces            | SEER    | EER  | ARI Rated Capacity <sup>1</sup> | Rated Sensible Capacity | HSPF    | 47     |     | 17     |      | Suction                | Liquid | Suction | Liquid |                   |        |                         |     |         |
|                |                                             |                     |         |      |                                 |                         |         | Btuh   | COP | Btuh   |      |                        |        |         |        |                   |        |                         |     | COP     |
| 4SHP16LT124P-2 | E(U,M,H)1P29B                               | A96DFMV070B12       | 14.5    | 12.5 | 24,000                          | 17,400                  | 8.5     | 22,600 | 3.3 | 14,000 | 2.40 | 850                    | 3/4    | 3/8     | 3/4    | 3/8               | 3/4    | 3/8                     | NA  | H4TXV01 |
|                | E(U,C,M,H)1P36B                             | A96UHMV070B12       | 14.5    | 12.5 | 24,000                          | 17,400                  | 8.5     | 22,000 | 3.3 | 14,000 | 2.40 | 850                    | 3/4    | 3/8     | 3/4    | 3/8               | 3/4    | 3/8                     | NA  | H4TXV01 |
|                | E(U,M,H)1P29B                               | A96UHMV070B12       | 14.5    | 12.5 | 24,000                          | 17,400                  | 8.5     | 22,600 | 3.3 | 14,000 | 2.40 | 850                    | 3/4    | 3/8     | 3/4    | 3/8               | 3/4    | 3/8                     | NA  | H4TXV01 |
|                | E(U,C,M,H)1P36C                             | A96UHMV090C12       | 14.5    | 12.5 | 24,000                          | 17,400                  | 8.5     | 22,000 | 3.3 | 14,000 | 2.40 | 850                    | 3/4    | 3/8     | 3/4    | 3/8               | 3/4    | 3/8                     | NA  | H4TXV01 |
|                | E(U,C,M,H)1P36B                             | LBR,LUF*****V14     | 15.0    | 12.5 | 24,000                          | 17,400                  | 8.5     | 24,000 | 3.3 | 14,000 | 2.40 | 850                    | 3/4    | 3/8     | 3/4    | 3/8               | 3/4    | 3/8                     | NA  | H4TXV01 |
|                | E(U,M,H)1P29B                               | LBR,LUF*****V14     | 15.0    | 12.5 | 24,000                          | 17,400                  | 8.5     | 24,000 | 3.3 | 14,000 | 2.40 | 850                    | 3/4    | 3/8     | 3/4    | 3/8               | 3/4    | 3/8                     | NA  | H4TXV01 |
|                | E(U,C,M,H)1P36B                             | LHF,LHR,LUF*****V12 | 15.0    | 12.5 | 24,000                          | 17,400                  | 8.5     | 24,000 | 3.3 | 14,000 | 2.40 | 850                    | 3/4    | 3/8     | 3/4    | 3/8               | 3/4    | 3/8                     | NA  | H4TXV01 |
|                | E(U,M,H)1P29B                               | LHF,LHR,LUF*****V12 | 15.0    | 12.5 | 24,000                          | 17,400                  | 8.5     | 24,000 | 3.3 | 14,000 | 2.40 | 850                    | 3/4    | 3/8     | 3/4    | 3/8               | 3/4    | 3/8                     | NA  | H4TXV01 |
| 4SHP16LT136P-2 | BCS2M36V00NA1P                              |                     | 15.0    | 12.5 | 35,000                          | 25,400                  | 8.5     | 36,000 | 3.3 | 22,000 | 2.40 | 1,310                  | 7/8    | 3/8     | 7/8    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV01 |
|                | E(U,C,M,H)1P36B                             | EFV12BC             | 15.0    | 12.5 | 35,000                          | 25,400                  | 8.5     | 36,000 | 3.3 | 22,000 | 2.40 | 1,310                  | 7/8    | 3/8     | 3/4    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV01 |
|                | E(U,C,M,H)1P43B                             | EFV12BC             | 15.0    | 12.5 | 35,000                          | 25,400                  | 8.5     | 36,000 | 3.3 | 22,000 | 2.40 | 1,310                  | 7/8    | 3/8     | 7/8    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV01 |
|                | E(U,C,M,H)1P36B                             | A80DF1E090B16       | 15.0    | 12.5 | 35,000                          | 25,400                  | 8.5     | 35,000 | 3.3 | 22,000 | 2.40 | 1,310                  | 7/8    | 3/8     | 3/4    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV01 |
|                | E(U,C,M,H)1P43B                             | A80DF1E090B16       | 15.0    | 12.5 | 35,000                          | 25,400                  | 8.5     | 35,000 | 3.3 | 22,000 | 2.40 | 1,310                  | 7/8    | 3/8     | 7/8    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV01 |
|                | E(U,C,M,H)1P36B                             | A80DF2V090B16       | 15.0    | 12.5 | 35,000                          | 25,400                  | 8.5     | 35,000 | 3.3 | 22,000 | 2.40 | 1,310                  | 7/8    | 3/8     | 3/4    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV01 |
|                | E(U,C,M,H)1P36C                             | A80DF2V110C20       | 15.0    | 12.5 | 35,000                          | 25,400                  | 8.5     | 35,000 | 3.3 | 22,000 | 2.40 | 1,310                  | 7/8    | 3/8     | 3/4    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV01 |
|                | E(U,C,M,H)1P43C                             | A80DF2V110C20       | 15.5    | 12.5 | 35,000                          | 25,400                  | 8.5     | 35,000 | 3.3 | 22,000 | 2.40 | 1,310                  | 7/8    | 3/8     | 7/8    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV01 |
|                | E(U,C,M,H)1P36B                             | A80UH1E090B16*      | 15.0    | 12.5 | 35,000                          | 25,400                  | 8.5     | 35,000 | 3.3 | 22,000 | 2.40 | 1,310                  | 7/8    | 3/8     | 3/4    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV01 |
|                | E(U,C,M,H)1P43B                             | A80UH1E090B16*      | 15.0    | 12.5 | 35,000                          | 25,400                  | 8.5     | 35,000 | 3.3 | 22,000 | 2.40 | 1,310                  | 7/8    | 3/8     | 7/8    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV01 |
|                | E(U,C,M,H)1P36B                             | A80UH2V090B16       | 15.0    | 11.6 | 35,000                          | 25,400                  | 8.5     | 35,000 | 3.3 | 22,000 | 2.40 | 1,310                  | 7/8    | 3/8     | 3/4    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV01 |
|                | E(U,C,M,H)1P36C                             | A80UH2V090C20       | 15.0    | 11.6 | 35,000                          | 25,400                  | 8.5     | 35,000 | 3.3 | 22,000 | 2.40 | 1,310                  | 7/8    | 3/8     | 3/4    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV01 |
|                | E(U,C,M,H)1P43C                             | A80UH2V090C20       | 15.5    | 11.6 | 35,000                          | 25,400                  | 8.5     | 35,000 | 3.3 | 22,000 | 2.40 | 1,310                  | 7/8    | 3/8     | 7/8    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV01 |
|                | E(U,C,M,H)1P36B                             | A95DF1E070B16S      | 14.5    | 12.0 | 35,000                          | 25,400                  | 8.5     | 35,000 | 3.3 | 22,000 | 2.40 | 1,310                  | 7/8    | 3/8     | 3/4    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV01 |
|                | E(U,C,M,H)1P43B                             | A95DF1E070B16S      | 14.5    | 12.0 | 35,000                          | 25,400                  | 8.5     | 35,000 | 3.3 | 22,000 | 2.40 | 1,310                  | 7/8    | 3/8     | 7/8    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV01 |
|                | E(U,C,M,H)1P36C                             | A95DF1E090C16S      | 15.0    | 12.5 | 35,000                          | 25,400                  | 8.5     | 35,000 | 3.3 | 22,000 | 2.40 | 1,310                  | 7/8    | 3/8     | 3/4    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV01 |
|                | E(U,C,M,H)1P43C                             | A95DF1E090C16S      | 15.0    | 12.5 | 35,000                          | 25,400                  | 8.5     | 35,000 | 3.3 | 22,000 | 2.40 | 1,310                  | 7/8    | 3/8     | 7/8    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV01 |
|                | E(U,C,M,H)1P36B                             | A95DF2V045B12S      | 15.0    | 12.0 | 35,000                          | 25,400                  | 8.5     | 35,000 | 3.3 | 22,000 | 2.40 | 1,310                  | 7/8    | 3/8     | 3/4    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV01 |
|                | E(U,C,M,H)1P43B                             | A95DF2V045B12S      | 15.0    | 12.0 | 35,000                          | 25,400                  | 8.5     | 35,000 | 3.3 | 22,000 | 2.40 | 1,310                  | 7/8    | 3/8     | 7/8    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV01 |
|                | E(U,C,M,H)1P36B                             | A95DF2V070B16S      | 15.0    | 12.0 | 35,000                          | 25,400                  | 8.5     | 35,000 | 3.3 | 22,000 | 2.40 | 1,310                  | 7/8    | 3/8     | 3/4    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV01 |
|                | E(U,C,M,H)1P43B                             | A95DF2V070B16S      | 15.0    | 12.0 | 35,000                          | 25,400                  | 8.5     | 35,000 | 3.3 | 22,000 | 2.40 | 1,310                  | 7/8    | 3/8     | 7/8    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV01 |
|                | E(U,C,M,H)1P36C                             | A95DF2V090C20S      | 15.0    | 12.5 | 35,000                          | 25,400                  | 8.5     | 35,000 | 3.3 | 22,000 | 2.40 | 1,310                  | 7/8    | 3/8     | 3/4    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV01 |
|                | E(U,C,M,H)1P43C                             | A95DF2V090C20S      | 15.5    | 12.5 | 35,000                          | 25,400                  | 8.5     | 35,000 | 3.3 | 22,000 | 2.40 | 1,310                  | 7/8    | 3/8     | 7/8    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV01 |
|                | E(U,C,M,H)1P36C                             | A95DF2V110C20S      | 15.0    | 12.5 | 35,000                          | 25,400                  | 8.5     | 35,000 | 3.3 | 22,000 | 2.40 | 1,310                  | 7/8    | 3/8     | 3/4    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV01 |
|                | E(U,C,M,H)1P43C                             | A95DF2V110C20S      | 15.5    | 12.5 | 35,000                          | 25,400                  | 8.5     | 35,000 | 3.3 | 22,000 | 2.40 | 1,310                  | 7/8    | 3/8     | 7/8    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV01 |
|                | E(U,C,M,H)1P36C                             | A95UH1E090C16S      | 15.0    | 12.5 | 35,000                          | 25,400                  | 8.5     | 35,000 | 3.3 | 22,000 | 2.40 | 1,310                  | 7/8    | 3/8     | 3/4    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV01 |
|                | E(U,C,M,H)1P43C                             | A95UH1E090C16S      | 15.0    | 12.5 | 35,000                          | 25,400                  | 8.5     | 35,000 | 3.3 | 22,000 | 2.40 | 1,310                  | 7/8    | 3/8     | 7/8    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV01 |

## Note:

<sup>1</sup>Certified in accordance with Unitary Air Conditioner Certification Program, which is based on AHRI Standard 210/240.<sup>2</sup>Required to achieve AHRI rating. If NA (Not Applicable) is in the piston column, then TXV is required<sup>3</sup>A blower time delay is required to achieve AHRI rating. This feature is standard on all Allied Air Enterprises furnace and air handler products.

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| Outdoor Model  | Indoor Model                    |                     | Cooling |      |                     |                         | Heating |        |     |        | CFM  | Refrigerant Connection |        |         |        | Refrig. Line Size |        | Indoor Expansion Device |     |         |
|----------------|---------------------------------|---------------------|---------|------|---------------------|-------------------------|---------|--------|-----|--------|------|------------------------|--------|---------|--------|-------------------|--------|-------------------------|-----|---------|
|                |                                 |                     |         |      |                     |                         |         |        |     |        |      | Outdoor                |        | Indoor  |        | Suction           | Liquid | Piston²                 | TXV |         |
|                | Evaporator Coil or Air Handler² | Furnaces            | SEER    | EER  | ARI Rated Capacity¹ | Rated Sensible Capacity | HSPF    | 47     |     | 17     |      | Suction                | Liquid | Suction | Liquid |                   |        |                         |     |         |
|                |                                 |                     |         |      |                     |                         |         | Btuh   | COP | Btuh   |      |                        |        |         |        |                   |        |                         |     | COP     |
| 4SHP16LT136P-2 | E(U,C,M,H)1P36B                 | A95UH2V045B12S      | 15.0    | 12.5 | 35,000              | 25,400                  | 8.5     | 35,000 | 3.3 | 22,000 | 2.40 | 1,310                  | 7/8    | 3/8     | 3/4    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV01 |
|                | E(U,C,M,H)1P43B                 | A95UH2V045B12S      | 15.0    | 12.0 | 35,000              | 25,400                  | 8.5     | 35,000 | 3.3 | 22,000 | 2.40 | 1,310                  | 7/8    | 3/8     | 7/8    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV01 |
|                | E(U,C,M,H)1P36B                 | A95UH2V070B12S      | 15.0    | 12.0 | 35,000              | 25,400                  | 8.5     | 35,000 | 3.3 | 22,000 | 2.40 | 1,310                  | 7/8    | 3/8     | 3/4    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV01 |
|                | E(U,C,M,H)1P43B                 | A95UH2V070B12S      | 15.0    | 12.0 | 35,000              | 25,400                  | 8.5     | 35,000 | 3.3 | 22,000 | 2.40 | 1,310                  | 7/8    | 3/8     | 7/8    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV01 |
|                | E(U,C,M,H)1P36C                 | A95UH2V090C12S      | 15.0    | 12.5 | 35,000              | 25,400                  | 8.5     | 35,000 | 3.3 | 22,000 | 2.40 | 1,310                  | 7/8    | 3/8     | 3/4    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV01 |
|                | E(U,C,M,H)1P43C                 | A95UH2V090C12S      | 15.5    | 12.5 | 35,000              | 25,400                  | 8.5     | 35,000 | 3.3 | 22,000 | 2.40 | 1,310                  | 7/8    | 3/8     | 7/8    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV01 |
|                | E(U,C,M,H)1P36C                 | A95UH2V090C16S      | 15.0    | 12.5 | 35,000              | 25,400                  | 8.5     | 35,000 | 3.3 | 22,000 | 2.40 | 1,310                  | 7/8    | 3/8     | 3/4    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV01 |
|                | E(U,C,M,H)1P43C                 | A95UH2V090C16S      | 15.5    | 12.5 | 35,000              | 25,400                  | 8.5     | 35,000 | 3.3 | 22,000 | 2.40 | 1,310                  | 7/8    | 3/8     | 7/8    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV01 |
|                | E(U,C,M,H)1P36C                 | A95UH2V090C20S      | 15.0    | 12.5 | 35,000              | 25,400                  | 8.5     | 35,000 | 3.3 | 22,000 | 2.40 | 1,310                  | 7/8    | 3/8     | 3/4    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV01 |
|                | E(U,C,M,H)1P43C                 | A95UH2V090C20S      | 15.5    | 12.5 | 35,000              | 25,400                  | 8.5     | 35,000 | 3.3 | 22,000 | 2.40 | 1,310                  | 7/8    | 3/8     | 7/8    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV01 |
|                | E(U,C,M,H)1P36C                 | A95UH2V110C16S      | 15.0    | 12.5 | 35,000              | 25,400                  | 8.5     | 35,000 | 3.3 | 22,000 | 2.40 | 1,310                  | 7/8    | 3/8     | 3/4    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV01 |
|                | E(U,C,M,H)1P43C                 | A95UH2V110C16S      | 15.5    | 12.5 | 35,000              | 25,400                  | 8.5     | 35,000 | 3.3 | 22,000 | 2.40 | 1,310                  | 7/8    | 3/8     | 7/8    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV01 |
|                | E(U,C,M,H)1P36C                 | A96DFMV090C16       | 15.0    | 11.6 | 35,000              | 25,400                  | 8.5     | 35,000 | 3.3 | 22,000 | 2.40 | 1,310                  | 7/8    | 3/8     | 3/4    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV01 |
|                | E(U,C,M,H)1P43C                 | A96DFMV090C16       | 15.5    | 11.6 | 35,000              | 25,400                  | 8.5     | 35,000 | 3.3 | 22,000 | 2.40 | 1,310                  | 7/8    | 3/8     | 7/8    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV01 |
|                | E(U,C,M,H)1P36C                 | A96DFMV090C20       | 15.0    | 11.6 | 35,000              | 25,400                  | 8.5     | 35,000 | 3.3 | 22,000 | 2.40 | 1,310                  | 7/8    | 3/8     | 3/4    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV01 |
|                | E(U,C,M,H)1P43C                 | A96DFMV090C20       | 15.5    | 11.6 | 35,000              | 25,400                  | 8.5     | 35,000 | 3.3 | 22,000 | 2.40 | 1,310                  | 7/8    | 3/8     | 7/8    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV01 |
|                | E(U,C,M,H)1P36C                 | A96DFMV110C20       | 15.0    | 11.6 | 35,000              | 25,400                  | 8.5     | 35,000 | 3.3 | 22,000 | 2.40 | 1,310                  | 7/8    | 3/8     | 3/4    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV01 |
|                | E(U,C,M,H)1P43C                 | A96DFMV110C20       | 15.5    | 11.6 | 35,000              | 25,400                  | 8.5     | 35,000 | 3.3 | 22,000 | 2.40 | 1,310                  | 7/8    | 3/8     | 7/8    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV01 |
|                | E(U,C,M,H)1P36C                 | A96UHMV090C12       | 15.0    | 11.6 | 35,000              | 25,400                  | 8.5     | 35,000 | 3.3 | 22,000 | 2.40 | 1,310                  | 7/8    | 3/8     | 3/4    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV01 |
|                | E(U,C,M,H)1P43C                 | A96UHMV090C12       | 15.5    | 11.6 | 35,000              | 25,400                  | 8.5     | 35,000 | 3.3 | 22,000 | 2.40 | 1,310                  | 7/8    | 3/8     | 7/8    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV01 |
|                | E(U,C,M,H)1P36C                 | A96UHMV090C16       | 15.0    | 11.6 | 35,000              | 25,400                  | 8.5     | 35,000 | 3.3 | 22,000 | 2.40 | 1,310                  | 7/8    | 3/8     | 3/4    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV01 |
|                | E(U,C,M,H)1P43C                 | A96UHMV090C16       | 15.5    | 11.6 | 35,000              | 25,400                  | 8.5     | 35,000 | 3.3 | 22,000 | 2.40 | 1,310                  | 7/8    | 3/8     | 7/8    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV01 |
|                | E(U,C,M,H)1P36C                 | A96UHMV110C20       | 15.0    | 11.6 | 35,000              | 25,400                  | 8.5     | 35,000 | 3.3 | 22,000 | 2.40 | 1,310                  | 7/8    | 3/8     | 3/4    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV01 |
|                | E(U,C,M,H)1P43C                 | A96UHMV110C20       | 15.5    | 11.6 | 35,000              | 25,400                  | 8.5     | 35,000 | 3.3 | 22,000 | 2.40 | 1,310                  | 7/8    | 3/8     | 7/8    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV01 |
|                | E(U,C,M,H)1P36B                 | LBR,LUF*****V14     | 14.5    | 12.0 | 35,000              | 25,400                  | 8.0     | 36,000 | 3.0 | 22,000 | 2.00 | 1,310                  | 7/8    | 3/8     | 3/4    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV01 |
|                | E(U,C,M,H)1P43B                 | LBR,LUF*****V14     | 14.5    | 12.0 | 35,000              | 25,400                  | 8.0     | 36,000 | 3.0 | 22,000 | 2.00 | 1,310                  | 7/8    | 3/8     | 7/8    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV01 |
|                | E(U,C,M,H)1P36B                 | LHF,LHR,LUF*****V12 | 14.5    | 12.0 | 35,000              | 25,400                  | 8.0     | 36,000 | 3.0 | 22,000 | 2.00 | 1,310                  | 7/8    | 3/8     | 3/4    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV01 |
|                | E(U,C,M,H)1P43B                 | LHF,LHR,LUF*****V12 | 14.5    | 12.0 | 35,000              | 25,400                  | 8.0     | 36,000 | 3.0 | 22,000 | 2.00 | 1,310                  | 7/8    | 3/8     | 7/8    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV01 |
|                | E(U,C,M,H)1P36C                 | LUF*****V20         | 15.0    | 12.5 | 35,000              | 25,400                  | 8.5     | 36,000 | 3.3 | 22,000 | 2.40 | 1,310                  | 7/8    | 3/8     | 3/4    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV01 |
| 4SHP16LT148P-2 | BCS2M48V00NA1P                  |                     | 16.0    | 12.5 | 47,000              | 33,500                  | 8.5     | 46,000 | 3.2 | 29,000 | 2.40 | 1,600                  | 7/8    | 3/8     | 7/8    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV02 |
|                | E(U,C,H)1P49C                   | EFV16CC             | 14.5    | 11.5 | 46,500              | 33,100                  | 8.0     | 46,000 | 3.0 | 29,000 | 2.00 | 1,600                  | 7/8    | 3/8     | 7/8    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV02 |
|                | E(U,C,H)1P62C                   | EFV16CC             | 14.5    | 12.0 | 46,500              | 33,100                  | 8.0     | 46,000 | 3.0 | 29,000 | 2.00 | 1,600                  | 7/8    | 3/8     | 7/8    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV02 |
|                | E(U,C,H)1P49C                   | A80DF1E110C20       | 14.0    | 12.0 | 47,000              | 33,500                  | 8.5     | 46,500 | 3.3 | 29,000 | 2.40 | 1,600                  | 7/8    | 3/8     | 7/8    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV02 |
|                | E(U,C,H)1P62C                   | A80DF1E110C20       | 14.0    | 12.0 | 47,000              | 33,500                  | 8.5     | 46,500 | 3.3 | 29,000 | 2.40 | 1,600                  | 7/8    | 3/8     | 7/8    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV02 |
|                | E(U,C,H)1P49C                   | A80DF2V110C20       | 15.0    | 12.0 | 47,000              | 33,500                  | 8.5     | 46,500 | 3.3 | 29,000 | 2.40 | 1,600                  | 7/8    | 3/8     | 7/8    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV02 |

**Note:**<sup>1</sup>Certified in accordance with Unitary Air Conditioner Certification Program, which is based on AHRI Standard 210/240.<sup>2</sup>Required to achieve AHRI rating. If NA (Not Applicable) is in the piston column, then TXV is required<sup>3</sup>A blower time delay is required to achieve AHRI rating. This feature is standard on all Allied Air Enterprises furnace and air handler products.

## Cooling Performance with Air Handlers and Furnaces 48

| Outdoor Model  | Indoor Model                                |                | Cooling |      |                                 |                         | Heating |        |     |        | CFM  | Refrigerant Connection |        |         |        | Refrig. Line Size |        | Indoor Expansion Device |     |         |
|----------------|---------------------------------------------|----------------|---------|------|---------------------------------|-------------------------|---------|--------|-----|--------|------|------------------------|--------|---------|--------|-------------------|--------|-------------------------|-----|---------|
|                |                                             |                |         |      |                                 |                         |         |        |     |        |      | Outdoor                |        | Indoor  |        | Suction           | Liquid | Piston <sup>2</sup>     | TXV |         |
|                | Evaporator Coil or Air Handler <sup>2</sup> | Furnaces       | SEER    | EER  | ARI Rated Capacity <sup>1</sup> | Rated Sensible Capacity | HSPF    | 47     |     | 17     |      | Suction                | Liquid | Suction | Liquid |                   |        |                         |     |         |
|                |                                             |                |         |      |                                 |                         |         | Btuh   | COP | Btuh   |      |                        |        |         |        |                   |        |                         |     | COP     |
| 4SHP16LT148P-2 | E(U,C,H)1P62C                               | A80DF2V110C20  | 15.0    | 12.0 | 47,000                          | 33,500                  | 8.5     | 46,500 | 3.3 | 29,000 | 2.40 | 1,600                  | 7/8    | 3/8     | 7/8    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV02 |
|                | E(U,C,H)1P62C                               | A80DF2V110C20  | 15.0    | 12.0 | 47,000                          | 33,500                  | 8.5     | 46,500 | 3.3 | 29,000 | 2.40 | 1,600                  | 7/8    | 3/8     | 7/8    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV02 |
|                | E(U,C,H)1P49C                               | A80UH1E090C20* | 14.5    | 12.0 | 47,000                          | 33,500                  | 8.5     | 46,500 | 3.3 | 29,000 | 2.40 | 1,600                  | 7/8    | 3/8     | 7/8    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV02 |
|                | E(U,C,H)1P62C                               | A80UH1E090C20* | 14.5    | 12.0 | 47,000                          | 33,500                  | 8.5     | 46,500 | 3.3 | 29,000 | 2.40 | 1,600                  | 7/8    | 3/8     | 7/8    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV02 |
|                | E(U,C,H)1P49C                               | A80UH1E110C20* | 14.5    | 12.0 | 47,000                          | 33,500                  | 8.5     | 46,500 | 3.3 | 29,000 | 2.40 | 1,600                  | 7/8    | 3/8     | 7/8    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV02 |
|                | E(U,C,H)1P62C                               | A80UH1E110C20* | 14.5    | 12.0 | 47,000                          | 33,500                  | 8.5     | 46,500 | 3.3 | 29,000 | 2.40 | 1,600                  | 7/8    | 3/8     | 7/8    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV02 |
|                | E(U,C,H)1P49C                               | A80UH2V090C20  | 15.0    | 12.0 | 47,000                          | 33,500                  | 8.5     | 46,500 | 3.3 | 29,000 | 2.40 | 1,600                  | 7/8    | 3/8     | 7/8    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV02 |
|                | E(U,C,H)1P62C                               | A80UH2V090C20  | 15.0    | 12.0 | 47,000                          | 33,500                  | 8.5     | 46,500 | 3.3 | 29,000 | 2.40 | 1,600                  | 7/8    | 3/8     | 7/8    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV02 |
|                | E(U,C,H)1P49C                               | A80UH2V110C20  | 15.0    | 12.0 | 47,000                          | 33,500                  | 8.5     | 46,500 | 3.3 | 29,000 | 2.40 | 1,600                  | 7/8    | 3/8     | 7/8    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV02 |
|                | E(U,C,H)1P62C                               | A80UH2V110C20  | 15.0    | 12.0 | 47,000                          | 33,500                  | 8.5     | 46,500 | 3.3 | 29,000 | 2.40 | 1,600                  | 7/8    | 3/8     | 7/8    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV02 |
|                | E(U,C,H)1P49C                               | A95DF1E110C20S | 14.0    | 12.0 | 47,000                          | 33,500                  | 8.5     | 46,500 | 3.3 | 29,000 | 2.40 | 1,600                  | 7/8    | 3/8     | 7/8    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV02 |
|                | E(U,C,H)1P62C                               | A95DF1E110C20S | 14.0    | 12.0 | 47,000                          | 33,500                  | 8.5     | 46,500 | 3.3 | 29,000 | 2.40 | 1,600                  | 7/8    | 3/8     | 7/8    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV02 |
|                | E(U,C,H)1P49C                               | A95DF2V090C20S | 14.5    | 11.5 | 47,000                          | 33,500                  | 8.5     | 46,500 | 3.3 | 29,000 | 2.40 | 1,600                  | 7/8    | 3/8     | 7/8    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV02 |
|                | E(U,C,H)1P62C                               | A95DF2V090C20S | 15.0    | 11.5 | 47,000                          | 33,500                  | 8.5     | 46,500 | 3.3 | 29,000 | 2.40 | 1,600                  | 7/8    | 3/8     | 7/8    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV02 |
|                | E(U,C,H)1P49C                               | A95DF2V110C20S | 15.0    | 11.5 | 47,000                          | 33,500                  | 8.5     | 46,500 | 3.3 | 29,000 | 2.40 | 1,600                  | 7/8    | 3/8     | 7/8    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV02 |
|                | E(U,C,H)1P62C                               | A95DF2V110C20S | 15.0    | 11.5 | 47,000                          | 33,500                  | 8.5     | 46,500 | 3.3 | 29,000 | 2.40 | 1,600                  | 7/8    | 3/8     | 7/8    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV02 |
|                | E(U,C,H)1P49C                               | A95UH1E110C20S | 14.0    | 12.0 | 47,000                          | 33,500                  | 8.5     | 46,500 | 3.3 | 29,000 | 2.40 | 1,600                  | 7/8    | 3/8     | 7/8    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV02 |
|                | E(U,C,H)1P62C                               | A95UH1E110C20S | 14.0    | 12.0 | 47,000                          | 33,500                  | 8.5     | 46,500 | 3.3 | 29,000 | 2.40 | 1,600                  | 7/8    | 3/8     | 7/8    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV02 |
|                | E(U,C,H)1P49C                               | A95UH2V090C16S | 14.5    | 11.5 | 47,000                          | 33,500                  | 8.5     | 46,500 | 3.3 | 29,000 | 2.40 | 1,600                  | 7/8    | 3/8     | 7/8    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV02 |
|                | E(U,C,H)1P62C                               | A95UH2V090C16S | 15.0    | 11.5 | 47,000                          | 33,500                  | 8.5     | 46,500 | 3.3 | 29,000 | 2.40 | 1,600                  | 7/8    | 3/8     | 7/8    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV02 |
|                | E(U,C,H)1P49C                               | A95UH2V090C20S | 15.0    | 11.5 | 47,000                          | 33,500                  | 8.5     | 46,500 | 3.3 | 29,000 | 2.40 | 1,600                  | 7/8    | 3/8     | 7/8    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV02 |
|                | E(U,C,H)1P62C                               | A95UH2V090C20S | 15.0    | 11.5 | 47,000                          | 33,500                  | 8.5     | 46,500 | 3.3 | 29,000 | 2.40 | 1,600                  | 7/8    | 3/8     | 7/8    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV02 |
|                | E(U,C,H)1P49C                               | A95UH2V110C16S | 15.0    | 11.5 | 47,000                          | 33,500                  | 8.5     | 46,500 | 3.3 | 29,000 | 2.40 | 1,600                  | 7/8    | 3/8     | 7/8    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV02 |
|                | E(U,C,H)1P62C                               | A95UH2V110C16S | 15.0    | 11.5 | 47,000                          | 33,500                  | 8.5     | 46,500 | 3.3 | 29,000 | 2.40 | 1,600                  | 7/8    | 3/8     | 7/8    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV02 |
|                | E(U,C,H)1P49C                               | A95UH2V110C20S | 15.0    | 11.5 | 47,000                          | 33,500                  | 8.5     | 46,500 | 3.3 | 29,000 | 2.40 | 1,600                  | 7/8    | 3/8     | 7/8    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV02 |
|                | E(U,C,H)1P62C                               | A95UH2V110C20S | 15.0    | 11.5 | 47,000                          | 33,500                  | 8.5     | 46,500 | 3.3 | 29,000 | 2.40 | 1,600                  | 7/8    | 3/8     | 7/8    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV02 |
|                | E(U,C,H)1P49C                               | A96DFMV090C16  | 15.0    | 11.7 | 47,000                          | 33,500                  | 8.5     | 46,500 | 3.3 | 29,000 | 2.40 | 1,600                  | 7/8    | 3/8     | 7/8    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV02 |
|                | E(U,C,H)1P62C                               | A96DFMV090C16  | 15.0    | 11.7 | 47,000                          | 33,500                  | 8.5     | 46,500 | 3.3 | 29,000 | 2.40 | 1,600                  | 7/8    | 3/8     | 7/8    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV02 |
|                | E(U,C,H)1P49C                               | A96DFMV090C20  | 15.0    | 11.7 | 47,000                          | 33,500                  | 8.5     | 46,500 | 3.3 | 29,000 | 2.40 | 1,600                  | 7/8    | 3/8     | 7/8    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV02 |
|                | E(U,C,H)1P62C                               | A96DFMV090C20  | 15.0    | 11.7 | 47,000                          | 33,500                  | 8.5     | 46,500 | 3.3 | 29,000 | 2.40 | 1,600                  | 7/8    | 3/8     | 7/8    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV02 |
|                | E(U,C,H)1P49C                               | A96DFMV110C20  | 15.0    | 11.7 | 47,000                          | 33,500                  | 8.5     | 46,500 | 3.3 | 29,000 | 2.40 | 1,600                  | 7/8    | 3/8     | 7/8    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV02 |
|                | E(U,C,H)1P62C                               | A96DFMV110C20  | 15.0    | 11.7 | 47,000                          | 33,500                  | 8.5     | 46,500 | 3.3 | 29,000 | 2.40 | 1,600                  | 7/8    | 3/8     | 7/8    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV02 |
|                | E(U,C,H)1P49C                               | A96UHMV090C16  | 15.0    | 11.7 | 47,000                          | 33,500                  | 8.5     | 46,500 | 3.3 | 29,000 | 2.40 | 1,600                  | 7/8    | 3/8     | 7/8    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV02 |
|                | E(U,C,H)1P62C                               | A96UHMV090C16  | 15.0    | 11.7 | 47,000                          | 33,500                  | 8.5     | 46,500 | 3.3 | 29,000 | 2.40 | 1,600                  | 7/8    | 3/8     | 7/8    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV02 |
|                | E(U,C,H)1P49C                               | A96UHMV090C20  | 15.0    | 11.7 | 47,000                          | 33,500                  | 8.5     | 46,500 | 3.3 | 29,000 | 2.40 | 1,600                  | 7/8    | 3/8     | 7/8    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV02 |

**Note:**<sup>1</sup>Certified in accordance with Unitary Air Conditioner Certification Program, which is based on AHRI Standard 210/240.<sup>2</sup>Required to achieve AHRI rating. If NA (Not Applicable) is in the piston column, then TXV is required<sup>3</sup>A blower time delay is required to achieve AHRI rating. This feature is standard on all Allied Air Enterprises furnace and air handler products.



## Cooling Performance with Air Handlers and Furnaces 48, 60

| Outdoor Model  | Indoor Model                                |                 | Cooling |      |                                 |                         | Heating |        |     |        | CFM  | Refrigerant Connection |        |         |        | Refrig. Line Size |        | Indoor Expansion Device |     |         |
|----------------|---------------------------------------------|-----------------|---------|------|---------------------------------|-------------------------|---------|--------|-----|--------|------|------------------------|--------|---------|--------|-------------------|--------|-------------------------|-----|---------|
|                |                                             |                 |         |      |                                 |                         |         |        |     |        |      | Outdoor                |        | Indoor  |        | Suction           | Liquid | Piston <sup>2</sup>     | TXV |         |
|                | Evaporator Coil or Air Handler <sup>2</sup> | Furnaces        | SEER    | EER  | ARI Rated Capacity <sup>1</sup> | Rated Sensible Capacity | HSPF    | 47     |     | 17     |      | Suction                | Liquid | Suction | Liquid |                   |        |                         |     |         |
|                |                                             |                 |         |      |                                 |                         |         | Btuh   | COP | Btuh   |      |                        |        |         |        |                   |        |                         |     | COP     |
| 4SHP16LT148P-2 | E(U,C,H)1P62C                               | A96UHMV090C20   | 15.0    | 11.7 | 47,000                          | 33,500                  | 8.5     | 46,500 | 3.3 | 29,000 | 2.40 | 1,600                  | 7/8    | 3/8     | 7/8    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV02 |
|                | E(U,C,H)1P49C                               | A96UHMV110C20   | 15.0    | 12.0 | 47,000                          | 33,500                  | 8.5     | 46,500 | 3.3 | 29,000 | 2.40 | 1,600                  | 7/8    | 3/8     | 7/8    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV02 |
|                | E(U,C,H)1P62C                               | A96UHMV110C20   | 15.0    | 12.0 | 47,000                          | 33,500                  | 8.5     | 46,500 | 3.3 | 29,000 | 2.40 | 1,600                  | 7/8    | 3/8     | 7/8    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV02 |
|                | E(U,C,H)1P49C                               | LBR,LUF*****V14 | 14.5    | 12.0 | 46,500                          | 33,100                  | 8.0     | 46,000 | 3.0 | 29,000 | 2.00 | 1,600                  | 7/8    | 3/8     | 7/8    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV02 |
|                | E(U,C,H)1P62C                               | LBR,LUF*****V14 | 14.5    | 12.0 | 46,500                          | 33,100                  | 8.0     | 46,000 | 3.0 | 29,000 | 2.00 | 1,600                  | 7/8    | 3/8     | 7/8    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV02 |
|                | E(U,C,H)1P49C                               | LUF*****V20     | 14.5    | 12.0 | 46,500                          | 33,100                  | 8.0     | 46,000 | 3.0 | 29,000 | 2.00 | 1,600                  | 7/8    | 3/8     | 7/8    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV02 |
|                | E(U,C,H)1P62C                               | LUF*****V20     | 14.5    | 12.0 | 46,500                          | 33,100                  | 8.0     | 46,000 | 3.0 | 29,000 | 2.00 | 1,600                  | 7/8    | 3/8     | 7/8    | 3/8               | 7/8    | 3/8                     | NA  | H4TXV02 |
| 4SHP16LT160P-2 | BCS2M60V00NA1P                              |                 | 15.0    | 12.5 | 59,000                          | 43,000                  | 8.5     | 59,000 | 3.3 | 35,000 | 2.40 | 1,920                  | 7/8    | 3/8     | 7/8    | 3/8               | 1 1/8  | 3/8                     | NA  | H4TXV03 |
|                | E(U,C,H)1P62D                               | EFV20DC         | 14.5    | 11.5 | 59,000                          | 43,000                  | 8.0     | 59,000 | 3.3 | 35,000 | 2.40 | 1,920                  | 7/8    | 3/8     | 7/8    | 3/8               | 1 1/8  | 3/8                     | NA  | H4TXV03 |
|                | E(U,C,H)1P62C                               | A80DF2V110C20   | 15.0    | 11.4 | 59,000                          | 43,000                  | 8.5     | 59,000 | 3.3 | 35,000 | 2.40 | 1,920                  | 7/8    | 3/8     | 7/8    | 3/8               | 1 1/8  | 3/8                     | NA  | H4TXV03 |
|                | E(U,C,H)1P62C                               | A80UH1E090C20*  | 14.5    | 11.0 | 59,000                          | 43,000                  | 8.5     | 59,000 | 3.3 | 35,000 | 2.40 | 1,920                  | 7/8    | 3/8     | 7/8    | 3/8               | 1 1/8  | 3/8                     | NA  | H4TXV03 |
|                | E(U,C,H)1P62C                               | A80UH1E110C20*  | 14.5    | 11.0 | 59,000                          | 43,000                  | 8.5     | 59,000 | 3.3 | 35,000 | 2.40 | 1,920                  | 7/8    | 3/8     | 7/8    | 3/8               | 1 1/8  | 3/8                     | NA  | H4TXV03 |
|                | E(U,C,H)1P62C                               | A80UH2V090C20   | 14.7    | 11.4 | 59,000                          | 43,000                  | 8.5     | 59,000 | 3.3 | 35,000 | 2.40 | 1,920                  | 7/8    | 3/8     | 7/8    | 3/8               | 1 1/8  | 3/8                     | NA  | H4TXV03 |
|                | E(U,C,H)1P62C                               | A80UH2V110C20   | 14.5    | 11.4 | 59,000                          | 43,000                  | 8.5     | 59,000 | 3.3 | 35,000 | 2.40 | 1,920                  | 7/8    | 3/8     | 7/8    | 3/8               | 1 1/8  | 3/8                     | NA  | H4TXV03 |
|                | E(U,C,H)1P62D                               | A80UH2V135D20   | 14.7    | 11.4 | 59,000                          | 43,000                  | 8.5     | 59,000 | 3.3 | 35,000 | 2.40 | 1,920                  | 7/8    | 3/8     | 7/8    | 3/8               | 1 1/8  | 3/8                     | NA  | H4TXV03 |
|                | E(U,C,H)1P62C                               | A95DF1E110C20S  | 14.0    | 11.0 | 59,000                          | 43,000                  | 8.5     | 59,000 | 3.3 | 35,000 | 2.40 | 1,920                  | 7/8    | 3/8     | 7/8    | 3/8               | 1 1/8  | 3/8                     | NA  | H4TXV03 |
|                | E(U,C,H)1P62C                               | A95DF2V090C20S  | 14.5    | 11.4 | 59,000                          | 43,000                  | 8.5     | 59,000 | 3.3 | 35,000 | 2.40 | 1,920                  | 7/8    | 3/8     | 7/8    | 3/8               | 1 1/8  | 3/8                     | NA  | H4TXV03 |
|                | E(U,C,H)1P62C                               | A95DF2V110C20S  | 15.0    | 11.4 | 59,000                          | 43,000                  | 8.5     | 59,000 | 3.3 | 35,000 | 2.40 | 1,920                  | 7/8    | 3/8     | 7/8    | 3/8               | 1 1/8  | 3/8                     | NA  | H4TXV03 |
|                | E(U,C,H)1P62C                               | A95UH1E110C20S  | 14.0    | 11.0 | 59,000                          | 43,000                  | 8.5     | 59,000 | 3.3 | 35,000 | 2.40 | 1,920                  | 7/8    | 3/8     | 7/8    | 3/8               | 1 1/8  | 3/8                     | NA  | H4TXV03 |
|                | E(U,C,H)1P62D                               | A95UH1E135D20   | 14.0    | 11.0 | 59,000                          | 43,000                  | 8.5     | 59,000 | 3.3 | 35,000 | 2.40 | 1,920                  | 7/8    | 3/8     | 7/8    | 3/8               | 1 1/8  | 3/8                     | NA  | H4TXV03 |
|                | E(U,C,H)1P62C                               | A95UH2V090C20S  | 15.0    | 11.4 | 59,000                          | 43,000                  | 8.5     | 59,000 | 3.3 | 35,000 | 2.40 | 1,920                  | 7/8    | 3/8     | 7/8    | 3/8               | 1 1/8  | 3/8                     | NA  | H4TXV03 |
|                | E(U,C,H)1P62C                               | A95UH2V110C20S  | 15.0    | 11.4 | 59,000                          | 43,000                  | 8.5     | 59,000 | 3.3 | 35,000 | 2.40 | 1,920                  | 7/8    | 3/8     | 7/8    | 3/8               | 1 1/8  | 3/8                     | NA  | H4TXV03 |
|                | E(U,C,H)1P62D                               | A95UH2V135D20S  | 15.0    | 11.4 | 59,000                          | 43,000                  | 8.5     | 59,000 | 3.3 | 35,000 | 2.40 | 1,920                  | 7/8    | 3/8     | 7/8    | 3/8               | 1 1/8  | 3/8                     | NA  | H4TXV03 |
|                | E(U,C,H)1P62C                               | A96DFMV090C20   | 15.0    | 11.4 | 59,000                          | 43,000                  | 8.5     | 59,000 | 3.3 | 35,000 | 2.40 | 1,920                  | 7/8    | 3/8     | 7/8    | 3/8               | 1 1/8  | 3/8                     | NA  | H4TXV03 |
|                | E(U,C,H)1P62C                               | A96DFMV110C20   | 15.0    | 11.4 | 59,000                          | 43,000                  | 8.5     | 59,000 | 3.3 | 35,000 | 2.40 | 1,920                  | 7/8    | 3/8     | 7/8    | 3/8               | 1 1/8  | 3/8                     | NA  | H4TXV03 |
|                | E(U,C,H)1P62C                               | A96UHMV090C20   | 15.0    | 11.4 | 59,000                          | 43,000                  | 8.5     | 59,000 | 3.3 | 35,000 | 2.40 | 1,920                  | 7/8    | 3/8     | 7/8    | 3/8               | 1 1/8  | 3/8                     | NA  | H4TXV03 |
|                | E(U,C,H)1P62C                               | A96UHMV110C20   | 15.0    | 11.4 | 59,000                          | 43,000                  | 8.5     | 59,000 | 3.3 | 35,000 | 2.40 | 1,920                  | 7/8    | 3/8     | 7/8    | 3/8               | 1 1/8  | 3/8                     | NA  | H4TXV03 |
|                | E(U,C,H)1P62D                               | A96UHMV135D20   | 15.0    | 11.4 | 59,000                          | 43,000                  | 8.5     | 59,000 | 3.3 | 35,000 | 2.40 | 1,920                  | 7/8    | 3/8     | 7/8    | 3/8               | 1 1/8  | 3/8                     | NA  | H4TXV03 |
|                | E(U,C,H)1P62C                               | LUF*****V20     | 14.5    | 12.0 | 59,000                          | 43,000                  | 8.0     | 59,000 | 3.0 | 35,000 | 2.00 | 1,920                  | 7/8    | 3/8     | 7/8    | 3/8               | 1 1/8  | 3/8                     | NA  | H4TXV03 |

**Note:**<sup>1</sup>Certified in accordance with Unitary Air Conditioner Certification Program, which is based on AHRI Standard 210/240.<sup>2</sup>Required to achieve AHRI rating. If NA (Not Applicable) is in the piston column, then TXV is required<sup>3</sup>A blower time delay is required to achieve AHRI rating. This feature is standard on all Allied Air Enterprises furnace and air handler products.

## Cooling Performance Extended Ratings

| Outdoor Model   | Indoor Model                  | Indoor Temp DB/WB °F | Outdoor Temp - DB°F |      |      |        |      |      |        |      |      |        |      |      |        |      |      |
|-----------------|-------------------------------|----------------------|---------------------|------|------|--------|------|------|--------|------|------|--------|------|------|--------|------|------|
|                 | Piston or Field Installed TXV |                      | 65°                 |      |      | 82°    |      |      | 95°    |      |      | 105°   |      |      | 115°   |      |      |
|                 |                               |                      | Btuh                | S/T  | kW   | Btuh   | S/T  | kW   | Btuh   | S/T  | kW   | Btuh   | S/T  | kW   | Btuh   | S/T  | kW   |
| 4SHP16LT 124P-2 | BCS2M24V+TXV                  | 85/75                | 32,300              | 0.59 | 1.54 | 29,523 | 0.61 | 1.80 | 27,400 | 0.63 | 1.99 | 24,800 | 0.69 | 2.25 | 22,200 | 0.74 | 2.51 |
|                 |                               | 80/67                | 29,400              | 0.65 | 1.51 | 26,793 | 0.70 | 1.78 | 24,800 | 0.73 | 1.99 | 22,950 | 0.74 | 2.20 | 21,100 | 0.75 | 2.41 |
|                 |                               | 75/63                | 26,700              | 0.69 | 1.48 | 24,490 | 0.71 | 1.74 | 22,800 | 0.73 | 1.93 | 21,550 | 0.76 | 2.16 | 20,300 | 0.78 | 2.38 |
|                 |                               | 75/57                | 23,100              | 0.73 | 1.45 | 21,400 | 0.74 | 1.71 | 20,100 | 0.74 | 1.90 | 19,250 | 0.77 | 2.00 | 18,400 | 0.79 | 2.10 |
| 4SHP16LT 136P-2 | BCS2M36V+TXV                  | 85/75                | 45,000              | 0.60 | 2.40 | 42,223 | 0.66 | 2.73 | 40,100 | 0.71 | 2.99 | 31,750 | 0.80 | 3.30 | 23,400 | 0.89 | 3.60 |
|                 |                               | 80/67                | 42,100              | 0.61 | 2.38 | 39,550 | 0.68 | 2.70 | 37,600 | 0.73 | 2.94 | 30,050 | 0.82 | 2.77 | 22,500 | 0.91 | 2.60 |
|                 |                               | 75/63                | 39,300              | 0.63 | 2.35 | 37,033 | 0.69 | 2.20 | 35,300 | 0.73 | 2.08 | 28,550 | 0.82 | 2.33 | 21,800 | 0.91 | 2.58 |
|                 |                               | 75/57                | 37,200              | 0.66 | 2.31 | 35,613 | 0.72 | 2.12 | 34,400 | 0.76 | 1.98 | 27,250 | 0.83 | 2.04 | 20,100 | 0.90 | 2.10 |
| 4SHP16LT 148P-2 | BCS2M48V+TXV                  | 85/75                | 52,300              | 0.62 | 2.96 | 51,053 | 0.64 | 3.49 | 50,100 | 0.66 | 3.89 | 47,600 | 0.74 | 4.27 | 45,100 | 0.82 | 4.65 |
|                 |                               | 80/67                | 50,600              | 0.68 | 2.12 | 49,127 | 0.70 | 3.11 | 48,000 | 0.72 | 3.87 | 45,300 | 0.77 | 4.26 | 42,600 | 0.81 | 4.65 |
|                 |                               | 75/63                | 48,300              | 0.72 | 2.87 | 44,730 | 0.74 | 3.35 | 42,000 | 0.75 | 3.72 | 39,500 | 0.77 | 4.18 | 37,000 | 0.79 | 4.64 |
|                 |                               | 75/57                | 46,400              | 0.73 | 2.86 | 43,510 | 0.75 | 3.34 | 41,300 | 0.76 | 3.71 | 38,500 | 0.77 | 4.11 | 35,700 | 0.78 | 4.51 |
| 4SHP16LT 160P-2 | BCS2M60V+TXV                  | 85/75                | 74,900              | 0.62 | 3.72 | 69,290 | 0.65 | 4.49 | 65,000 | 0.68 | 5.07 | 61,400 | 0.68 | 5.71 | 57,800 | 0.68 | 6.34 |
|                 |                               | 80/67                | 69,700              | 0.69 | 3.65 | 64,770 | 0.71 | 4.46 | 61,000 | 0.73 | 5.08 | 55,800 | 0.77 | 5.70 | 50,600 | 0.81 | 6.32 |
|                 |                               | 75/63                | 65,100              | 0.73 | 3.63 | 60,170 | 0.75 | 4.37 | 56,400 | 0.76 | 4.93 | 52,050 | 0.80 | 5.57 | 47,700 | 0.83 | 6.20 |
|                 |                               | 75/57                | 61,400              | 0.75 | 3.58 | 57,207 | 0.76 | 4.28 | 54,000 | 0.77 | 4.81 | 49,550 | 0.81 | 5.48 | 45,100 | 0.85 | 6.14 |



## Heating Performance Extended Ratings

| Outdoor Model  | Indoor Model                  | Indoor Temp | Outdoor Temp - DB/WB °F |      |        |      |        |      |        |      |        |      |
|----------------|-------------------------------|-------------|-------------------------|------|--------|------|--------|------|--------|------|--------|------|
|                | Piston or Field Installed TXV |             | 0/0                     |      | 17/15  |      | 35/33  |      | 47/43  |      | 62/56  |      |
|                |                               |             | Btuh                    | kW   | Btuh   | kW   | Btuh   | kW   | Btuh   | kW   | Btuh   | kW   |
| 4SHP16LT124P-2 | BCS2M24V+TXV                  | 70          | 12,361                  | 1.64 | 15,100 | 1.83 | 18,000 | 2.03 | 24,500 | 2.17 | 29,200 | 2.34 |
| 4SHP16LT136P-2 | BCS2M36V+TXV                  | 70          | 15,811                  | 2.04 | 22,800 | 2.49 | 30,200 | 2.97 | 40,600 | 3.55 | 49,500 | 4.08 |
| 4SHP16LT148P-2 | BCS2M48V+TXV                  | 70          | 28,561                  | 3.32 | 31,300 | 3.49 | 34,200 | 3.67 | 46,900 | 3.59 | 54,700 | 3.64 |
| 4SHP16LT160P-2 | BCS2M60V+TXV                  | 70          | 36,783                  | 4.04 | 39,900 | 4.17 | 43,200 | 4.31 | 60,300 | 4.73 | 70,500 | 5.01 |

## Accessories

| Description                | Where Used                              | Kit Catalog No. |
|----------------------------|-----------------------------------------|-----------------|
| Hard Start Kit             | 24 & 36                                 | 10J42           |
|                            | 48 & 60                                 | 81J69           |
| Compressor Low Ambient Kit | All Models                              | 45F08           |
| Freezestat                 | All Models                              | 93G35           |
| Outdoor Thermostat         | All Models                              | ASTA503         |
| Fossil Fuel Kit            | All Models                              | AFOSL500        |
| Low Pressure Switch        | Factory installed; see spare parts list |                 |
| High Pressure Switch       | Factory installed; see spare parts list |                 |
| Sound Blanket              | Factory installed; see spare parts list |                 |
| Crankcase Heater           | Factory installed; see spare parts list |                 |
| Relay Kit- Constant Torque | All Constant Torque Furnaces            | 85W66           |





All specifications and illustrations  
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and without incurring obligations.

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