

# 4SHP16LS

## 16 SEER Split System Enhanced Heat Pump

### Product Specifications

Form No. 4SHP16LS-100 (02/2013)



Communicating Thermostat enabled



#### 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
- Heavy-duty compressor sound blanket for quiet operation

#### 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

#### 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

#### 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
- Factory installed high and low pressure switch
- Variable speed condenser fan motor with swept wing fan blade
- Advanced design defrost system featuring a smart logic for power consumption savings
- Service valves positioned for quick installation and easy service
- Trade available components
- Quiet Shift™ capable for sound control during defrost
- Communicating features
- Thermostat flexibility:
  - works with the Comfort Sync T-Stat (when matched with communicating indoor unit) or a conventional 24V T-Stat
- Self diagnostics saves last 10 fault codes regardless of power interruption

#### DESIGN

- Designed for ambients up to 125°F

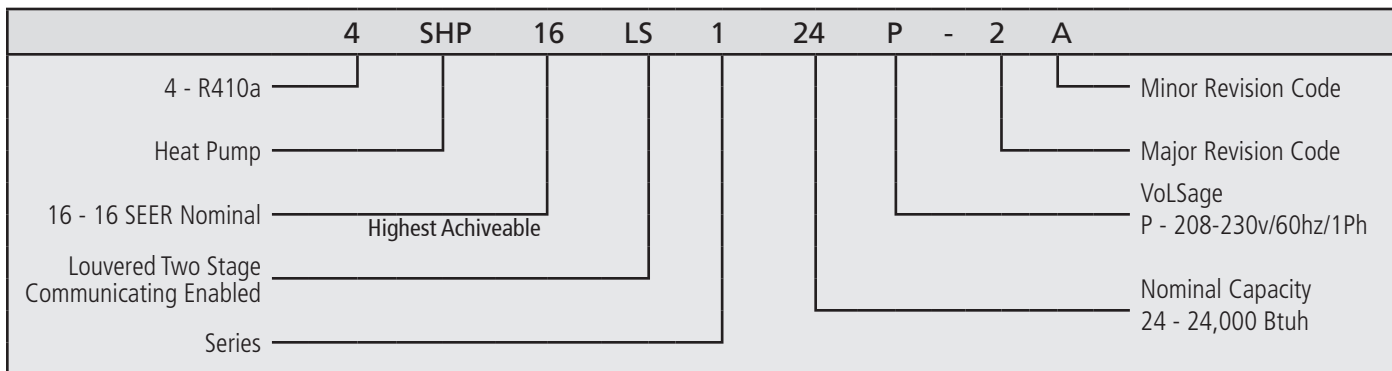
#### WARRANTY

- 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

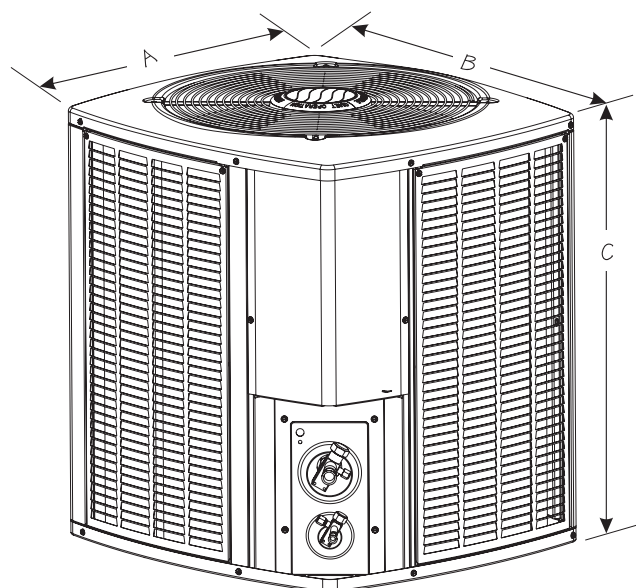


### Physical and Electrical

| Model          | VoLSage/Hz/Phase | VoLSage Range | Min. Circuit Amp. | Max. Over current Device (amps) | Compressor        |                     | Fan Motor         |          |          | Refrig. Charge (oz.) | Weight (lbs.) |
|----------------|------------------|---------------|-------------------|---------------------------------|-------------------|---------------------|-------------------|----------|----------|----------------------|---------------|
|                |                  |               |                   |                                 | Rated Load (amps) | Locked Rotor (amps) | Rated Load (amps) | Rated HP | Nom. RPM |                      |               |
| 4SHP16LS124P-2 | 208-230-60/1     | 197-253       | 13.5              | 20                              | 11.4              | 52                  | 0.7               | 1/10     | 1075     | 146                  | 207           |
| 4SHP16LS136P-2 | 208-230-60/1     | 197-253       | 22.5              | 35                              | 19.0              | 82                  | 1.7               | 1/4      | 825      | 192                  | 253           |
| 4SHP16LS148P-2 | 208-230-60/1     | 197-253       | 28.2              | 45                              | 24.0              | 96                  | 1.8               | 1/3      | 825      | 236                  | 288           |
| 4SHP16LS160P-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 Rating dBA |
|----------------|------------|--------|--------|------------------|
|                | A          | B      | C      |                  |
| 4SHP16LS124P-2 | 24-3/4     | 26-3/4 | 33-3/4 | 73               |
| 4SHP16LS136P-2 | 29-3/8     | 31-1/4 | 37-3/4 | 75               |
| 4SHP16LS148P-2 | 35-3/4     | 37-3/4 | 37-3/4 | 75               |
| 4SHP16LS160P-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 |     |         |
|----------------|---|--------------------------------|---------|------|---------------------------------|-------------------------|---------|--------|-----|--------|------|------------------------|---------|--------|---------|-------------------|--------|-------------------------|-----|---------|
|                | Evaporator Coil or Air Handler <sup>2</sup> | Furnaces                       | SEER    | EER  | ARI Rated Capacity <sup>1</sup> | Rated Sensible Capacity | HSPF    | 47     |     | 17     |      | Outdoor                |         | Indoor |         | Suction           | Liquid | Piston <sup>2</sup>     | TXV |         |
|                |   |                                |         |      |                                 |                         |         | Btuh   | COP | Btuh   |      | COP                    | Suction | Liquid | Suction |                   |        |                         |     | Liquid  |
|                |   |                                |         |      |                                 |                         |         |        |     |        |      |                        |         |        |         |                   |        |                         |     |         |
| 4SHP16LS124P-2 | BCS2M24@00NA1P                              |                                | 15.0    | 12.0 | 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                        | 14.5    | 12.0 | 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                        | 14.5    | 11.5 | 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                  | 14.0    | 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)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                  | 13.5    | 11.5 | 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                             | A80DF1E070B12                  | 14.0    | 11.5 | 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                             | A80+2V070A12                   | 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                             | A80+2V070A12                   | 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                             | A80+2V090B16                   | 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)1P36B                             | A80+2V090B16                   | 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,M,H)1P29B                               | A80+2V090B16                   | 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)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    | 12.0 | 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                             | A80UH1E070B12*                 | 13.5    | 11.5 | 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                             | A80UH1E070B12*                 | 14.0    | 11.5 | 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                             | A80#2V090B12                   | 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,M,H)1P29B                               | A80#2V090B12                   | 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                             | A80#2V090B16                   | 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,M,H)1P29B                               | A80#2V090B16                   | 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)1P29B                             | A95DF2V045B12S                 | 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)1P36B                             | A95DF2V045B12S                 | 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                             | A95UH1E070B12S                 | 13.5    | 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)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                             | A95#2V045B12S                  | 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)1P36B                             | A95#2V045B12S                  | 15.0    | 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                             | A95#2V070B12S                  | 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                             | A95#2V070B12S                  | 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                             | A95#2V090C12S                  | 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<br>A97DSMV070B12 | 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 |

+ DF or DS  
# UH or US  
@ V or S

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 24, 36

| Outdoor Model  | Indoor Model                                |                                | Cooling |      |                                 |                         | Heating |        |     |        | CFM  | Refrigerant Connection |         |        |         | Refrig. Line Size |        | Indoor Expansion Device |     |         |
|----------------|---|--------------------------------|---------|------|---------------------------------|-------------------------|---------|--------|-----|--------|------|------------------------|---------|--------|---------|-------------------|--------|-------------------------|-----|---------|
|                | Evaporator Coil or Air Handler <sup>2</sup> | Furnaces                       | SEER    | EER  | ARI Rated Capacity <sup>1</sup> | Rated Sensible Capacity | HSPF    | 47     |     | 17     |      | Outdoor                |         | Indoor |         | Suction           | Liquid | Piston <sup>2</sup>     | TXV |         |
|                |   |                                |         |      |                                 |                         |         | Btuh   | COP | Btuh   |      | COP                    | Suction | Liquid | Suction |                   |        |                         |     | Liquid  |
| 4SHP16LS124P-2 | E(U,M,H)1P29B                               | A96DFMV070B12<br>A97DSMV070B12 | 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)1P36B                             | A96UHMV070B12<br>A97USMV070B12 | 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,M,H)1P29B                               | A96UHMV070B12<br>A97USMV070B12 | 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)1P36C                             | A96UHMV090C12<br>A97USMV090C12 | 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)1P36B                             | LBR,LUF****V14                 | 15.0    | 12.0 | 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    | 12.0 | 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             | 14.5    | 12.0 | 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             | 14.5    | 12.0 | 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 |
| 4SHP16LS136P-2 | BCS2M36@00NA1P                              |                                | 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                             | EFV12BC                        | 15.0    | 12.5 | 35,000                          | 25,400                  | 8.5     | 34,600 | 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     | 34,600 | 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                  | 14.5    | 11.5 | 35,000                          | 25,400                  | 8.5     | 34,600 | 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                  | 14.5    | 12.0 | 35,000                          | 25,400                  | 8.5     | 34,600 | 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                             | A80+2V090B16                   | 15.0    | 12.5 | 35,000                          | 25,400                  | 8.5     | 34,600 | 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                             | A80+2V110C20                   | 15.0    | 12.5 | 35,000                          | 25,400                  | 8.5     | 34,600 | 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                             | A80+2V110C20                   | 15.5    | 12.5 | 35,000                          | 25,400                  | 8.5     | 34,600 | 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*                 | 14.5    | 12.0 | 35,000                          | 25,400                  | 8.5     | 34,600 | 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*                 | 14.5    | 12.0 | 35,000                          | 25,400                  | 8.5     | 34,600 | 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                             | A80#2V090B16                   | 15.0    | 12.0 | 35,000                          | 25,400                  | 8.5     | 34,600 | 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                             | A80#2V090C20                   | 15.0    | 12.5 | 35,000                          | 25,400                  | 8.5     | 34,600 | 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                             | A80#2V090C20                   | 15.0    | 12.5 | 35,000                          | 25,400                  | 8.5     | 34,600 | 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                 | 14.0    | 12.5 | 35,000                          | 25,400                  | 8.5     | 34,600 | 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                 | 14.0    | 11.5 | 35,000                          | 25,400                  | 8.5     | 34,600 | 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    | 12.0 | 35,000                          | 25,400                  | 8.5     | 34,600 | 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                 | 14.5    | 12.0 | 35,000                          | 25,400                  | 8.5     | 34,600 | 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    | 12.5 | 35,000                          | 25,400                  | 8.5     | 34,600 | 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     | 34,600 | 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     | 34,600 | 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     | 34,600 | 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     | 34,600 | 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                 | 15.0    | 12.5 | 35,000                          | 25,400                  | 8.5     | 34,600 | 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     | 34,600 | 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                 | 15.0    | 12.5 | 35,000                          | 25,400                  | 8.5     | 34,600 | 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    | 12.0 | 35,000                          | 25,400                  | 8.5     | 34,600 | 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    | 12.0 | 35,000                          | 25,400                  | 8.5     | 34,600 | 3.3 | 22,000 | 2.40 | 1,310                  | 7/8     | 3/8    | 7/8     | 3/8               | 7/8    | 3/8                     | NA  | H4TXV01 |

+ DF or DS  
# UH or US  
@ V or S

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 36, 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               |        |                         |         |         |
| 4SHP16LS136P-2  | E(U,C,M,H)1P36B                             | A95UH2V045B12S                 | 15.0    | 12.5   | 35,000                          | 25,400                  | 8.5     | 34,600 | 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     | 34,600 | 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    | 12.5   | 35,000                          | 25,400                  | 8.5     | 34,600 | 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     | 34,600 | 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     | 34,600 | 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                 | 15.0    | 12.5   | 35,000                          | 25,400                  | 8.5     | 34,600 | 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     | 34,600 | 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                 | 15.0    | 12.5   | 35,000                          | 25,400                  | 8.5     | 34,600 | 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     | 34,600 | 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     | 34,600 | 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     | 34,600 | 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     | 34,600 | 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<br>A97DSMV090C16 | 15.0    | 12.5   | 35,000                          | 25,400                  | 8.5     | 34,600 | 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<br>A97DSMV090C16 | 15.5    | 12.5   | 35,000                          | 25,400                  | 8.5     | 34,600 | 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<br>A97DSMV090C20 | 15.0    | 12.5   | 35,000                          | 25,400                  | 8.5     | 34,600 | 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<br>A97DSMV090C20 | 15.5    | 12.5   | 35,000                          | 25,400                  | 8.5     | 34,600 | 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<br>A97DSMV110C20 | 15.0    | 12.5   | 35,000                          | 25,400                  | 8.5     | 34,600 | 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<br>A97DSMV110C20 | 15.5    | 12.5   | 35,000                          | 25,400                  | 8.5     | 34,600 | 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<br>A97USMV090C12 | 15.0    | 12.5   | 35,000                          | 25,400                  | 8.5     | 34,600 | 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<br>A97USMV090C12 | 15.0    | 12.5   | 35,000                          | 25,400                  | 8.5     | 34,600 | 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<br>A97USMV090C16 | 15.0    | 12.5   | 35,000                          | 25,400                  | 8.5     | 34,600 | 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<br>A97USMV090C16 | 15.5    | 12.5   | 35,000                          | 25,400                  | 8.5     | 34,600 | 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<br>A97USMV110C20 | 15.0    | 12.5   | 35,000                          | 25,400                  | 8.5     | 34,600 | 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<br>A97USMV110C20 | 15.5    | 12.5   | 35,000                          | 25,400                  | 8.5     | 34,600 | 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                     | 34,600  | 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                     | 34,600  | 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                     | 34,600  | 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                     | 34,600  | 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                     | 34,600  | 3.3    | 22,000 | 2.40   | 1,310 | 7/8                    | 3/8    | 3/4     | 3/8    | 7/8               | 3/8    | NA                      | H4TXV01 |         |
| 4SHP16LS148P-2  | BCS2M48@00NA1P                              |                                | 16.0    | 12.0   | 46,000                          | 33,500                  | 8.5     | 45,500 | 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    | 11.0   | 46,000                          | 33,100                  | 8.0     | 45,500 | 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                        | 15.0    | 11.5   | 46,000                          | 33,100                  | 8.0     | 45,500 | 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    | 11.5   | 46,000                          | 33,500                  | 8.5     | 45,500 | 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    | 11.5   | 46,000                          | 33,500                  | 8.5     | 45,500 | 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                               | A80+2V110C20                   | 15.0    | 11.5   | 46,000                          | 33,500                  | 8.5     | 45,500 | 3.3    | 29,000 | 2.40  | 1,600                  | 7/8    | 3/8     | 7/8    | 3/8               | 7/8    | 3/8                     | NA      | H4TXV02 |

+ DF or DS  
# UH or US  
@ V or S

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 |         |                     |
|----------------|--------------------------------|--------------------------------|---|----------|--------|--------|---------------------------------|-------------------------|--------|--------|-------|------------------------|---------|---------|---------|-------------------|-----|-------------------------|---------|---------------------|
|                |                                |                                | Evaporator Coil or Air Handler <sup>2</sup> | Furnaces | SEER   | EER    | ARI Rated Capacity <sup>1</sup> | Rated Sensible Capacity | HSPF   | 47     |       | 17                     |         | Outdoor |         | Indoor            |     | Suction                 | Liquid  | Piston <sup>2</sup> |
|                | Btuh                           | COP                            |   |          |        |        |                                 |                         |        | Btuh   |       | COP                    | Suction | Liquid  | Suction | Liquid            |     |                         |         |                     |
|                |                                |                                |   |          |        |        |                                 |                         |        |        |       |                        |         |         |         |                   |     |                         |         |                     |
| 4SHP16LS148P-2 | E(U,C,H)1P62C                  | A80+2V110C20                   | 15.0  | 11.5     | 46,000 | 33,500 | 8.5                             | 45,500                  | 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                  | A80+2V110C20                   | 15.0  | 11.5     | 46,000 | 33,500 | 8.5                             | 45,500                  | 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  | 11.5     | 46,000 | 33,500 | 8.5                             | 45,500                  | 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  | 11.5     | 46,000 | 33,500 | 8.5                             | 45,500                  | 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  | 11.5     | 46,000 | 33,500 | 8.5                             | 45,500                  | 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  | 11.5     | 46,000 | 33,500 | 8.5                             | 45,500                  | 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                  | A80#2V090C20                   | 15.0  | 11.5     | 46,000 | 33,500 | 8.5                             | 45,500                  | 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                  | A80#2V090C20                   | 15.0  | 11.5     | 46,000 | 33,500 | 8.5                             | 45,500                  | 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                  | A80#2V110C20                   | 15.0  | 11.5     | 46,000 | 33,500 | 8.5                             | 45,500                  | 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                  | A80#2V110C20                   | 15.0  | 11.5     | 46,000 | 33,500 | 8.5                             | 45,500                  | 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                 | 13.5  | 11.5     | 46,000 | 33,500 | 8.5                             | 45,500                  | 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  | 11.5     | 46,000 | 33,500 | 8.5                             | 45,500                  | 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  | 11.0     | 46,000 | 33,500 | 8.5                             | 45,500                  | 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                 | 14.5  | 11.0     | 46,000 | 33,500 | 8.5                             | 45,500                  | 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  | 11.0     | 46,000 | 33,500 | 8.5                             | 45,500                  | 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  | 11.0     | 46,000 | 33,500 | 8.5                             | 45,500                  | 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                 | 13.5  | 11.5     | 46,000 | 33,500 | 8.5                             | 45,500                  | 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  | 11.5     | 46,000 | 33,500 | 8.5                             | 45,500                  | 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  | 11.0     | 46,000 | 33,500 | 8.5                             | 45,500                  | 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  | 11.0     | 46,000 | 33,500 | 8.5                             | 45,500                  | 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     | 46,000 | 33,500 | 8.5                             | 45,500                  | 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     | 46,000 | 33,500 | 8.5                             | 45,500                  | 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     | 46,000 | 33,500 | 8.5                             | 45,500                  | 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     | 46,000 | 33,500 | 8.5                             | 45,500                  | 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     | 46,000 | 33,500 | 8.5                             | 45,500                  | 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     | 46,000 | 33,500 | 8.5                             | 45,500                  | 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<br>A97DSMV090C16 | 15.0  | 11.0     | 46,000 | 33,500 | 8.5                             | 45,500                  | 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<br>A97DSMV090C16 | 15.0  | 11.5     | 46,000 | 33,500 | 8.5                             | 45,500                  | 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<br>A97DSMV090C20 | 14.5  | 11.0     | 46,000 | 33,500 | 8.5                             | 45,500                  | 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<br>A97DFMV090C20 | 14.5  | 11.0     | 46,000 | 33,500 | 8.5                             | 45,500                  | 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<br>A97DSMV110C20 | 15.0  | 11.0     | 46,000 | 33,500 | 8.5                             | 45,500                  | 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<br>A97DSMV110C20 | 14.5  | 11.0     | 46,000 | 33,500 | 8.5                             | 45,500                  | 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<br>A97USMV090C16 | 14.5                           | 11.0  | 46,000   | 33,500 | 8.5    | 45,500                          | 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<br>A97USMV090C16 | 14.5                           | 11.0  | 46,000   | 33,500 | 8.5    | 45,500                          | 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<br>A97USMV090C20 | 14.5                           | 11.5  | 46,000   | 33,500 | 8.5    | 45,500                          | 3.3                     | 29,000 | 2.40   | 1,600 | 7/8                    | 3/8     | 7/8     | 3/8     | 7/8               | 3/8 | NA                      | H4TXV02 |                     |

+ DF or DS  
# UH or US  
@ V or S

**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 |         |         |
|----------------|---|--------------------------------|---------|--------|---------------------------------|-------------------------|---------|--------|--------|--------|-------|------------------------|---------|--------|---------|-------------------|--------|-------------------------|---------|---------|
|                | Evaporator Coil or Air Handler <sup>2</sup> | Furnaces                       | SEER    | EER    | ARI Rated Capacity <sup>1</sup> | Rated Sensible Capacity | HSPF    | 47     |        | 17     |       | Outdoor                |         | Indoor |         | Suction           | Liquid | Piston <sup>2</sup>     | TXV     |         |
|                |   |                                |         |        |                                 |                         |         | Btuh   | COP    | Btuh   |       | COP                    | Suction | Liquid | Suction |                   |        |                         |         | Liquid  |
| 4SHP16LS148P-2 | E(U,C,H)1P62C                               | A96UHMV090C20<br>A97USMV090C20 | 14.5    | 11.5   | 46,000                          | 33,500                  | 8.5     | 45,500 | 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<br>A97USMV110C20 | 15.0    | 11.5   | 46,000                          | 33,500                  | 8.5     | 45,500 | 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<br>A97USMV110C20 | 15.0    | 11.5   | 46,000                          | 33,500                  | 8.5     | 45,500 | 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    | 11.5   | 46,000                          | 33,100                  | 8.0     | 45,500 | 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                | 14.0    | 11.5   | 46,000                          | 33,100                  | 8.0     | 45,500 | 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                    | 14.0    | 11.5   | 46,000                          | 33,100                  | 8.0     | 45,500 | 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                    | 14.0    | 11.5   | 46,000                          | 33,100                  | 8.0     | 45,500 | 3.0    | 29,000 | 2.00  | 1,600                  | 7/8     | 3/8    | 7/8     | 3/8               | 7/8    | 3/8                     | NA      | H4TXV02 |
| 4SHP16LS160P-2 | BCS2M60@00NA1P                              |                                | 15.0    | 11.5   | 58,000                          | 43,000                  | 8.5     | 58,000 | 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    | 11.0   | 58,000                          | 43,000                  | 8.0     | 58,000 | 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                               | A80+2V110C20                   | 15.0    | 11.4   | 58,000                          | 43,000                  | 8.5     | 58,000 | 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*                 | 14.0    | 11.0   | 58,000                          | 43,000                  | 8.5     | 58,000 | 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*                 | 14.0    | 11.0   | 58,000                          | 43,000                  | 8.5     | 58,000 | 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                               | A80#2V090C20                   | 14.5    | 11.4   | 58,000                          | 43,000                  | 8.5     | 58,000 | 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                               | A80#2V110C20                   | 14.0    | 11.0   | 58,000                          | 43,000                  | 8.5     | 58,000 | 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                               | A80#2V135D20                   | 14.5    | 11.0   | 58,000                          | 43,000                  | 8.5     | 58,000 | 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   | 58,000                          | 43,000                  | 8.5     | 58,000 | 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    | 11.0   | 58,000                          | 43,000                  | 8.5     | 58,000 | 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                 | 14.5    | 11.0   | 58,000                          | 43,000                  | 8.5     | 58,000 | 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   | 58,000                          | 43,000                  | 8.5     | 58,000 | 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                               | A95UH1E135D20S                 | 13.5    | 10.5   | 58,000                          | 43,000                  | 8.5     | 58,000 | 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                 | 14.5    | 11.0   | 58,000                          | 43,000                  | 8.5     | 58,000 | 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                 | 14.5    | 11.0   | 58,000                          | 43,000                  | 8.5     | 58,000 | 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                 | 14.5    | 11.0   | 58,000                          | 43,000                  | 8.5     | 58,000 | 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<br>A97DSMV090C20 | 14.5    | 11.0   | 58,000                          | 43,000                  | 8.5     | 58,000 | 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<br>A97DSMV110C20 | 14.5    | 11.0   | 58,000                          | 43,000                  | 8.5     | 58,000 | 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<br>A97USMV090C20 | 14.5    | 11.0   | 58,000                          | 43,000                  | 8.5     | 58,000 | 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<br>A97USMV110C20 | 15.0    | 11.0   | 58,000                          | 43,000                  | 8.5     | 58,000 | 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<br>A97USMV135D20              | 14.5                           | 11.0    | 58,000 | 43,000                          | 8.5                     | 58,000  | 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                           | 11.5    | 58,000 | 43,000                          | 8.0                     | 58,000  | 3.0    | 35,000 | 2.00   | 1,920 | 7/8                    | 3/8     | 7/8    | 3/8     | 1 1/8             | 3/8    | NA                      | H4TXV03 |         |

+ DF or DS  
# UH or US  
@ V or S

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 |      |      |        |      |      |        |      |      |        |      |      |        |      |      |
|--------------------|-------------------------------|----------------------|---------------------|------|------|--------|------|------|--------|------|------|--------|------|------|--------|------|------|
|                    |                               |                      | 65°                 |      |      | 82°    |      |      | 95°    |      |      | 105°   |      |      | 115°   |      |      |
|                    | Piston or Field Installed TXV |                      | Btuh                | S/T  | kW   | Btuh   | S/T  | kW   | Btuh   | S/T  | kW   | Btuh   | S/T  | kW   | Btuh   | S/T  | kW   |
| 4SHP16LS<br>124P-2 | BCS2M24V+TXV<br>BCS2M24S+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 |
| 4SHP16LS<br>136P-2 | BCS2M36V+TXV<br>BCS2M36S+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 |
| 4SHP16LS<br>148P-2 | BCS2M48V+TXV<br>BCS2M48S+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 |
| 4SHP16LS<br>160P-2 | BCS2M60V+TXV<br>BCS2M60S+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 |      |        |      |        |      |        |      |        |      |
|----------------|-------------------------------|-------------|-------------------------|------|--------|------|--------|------|--------|------|--------|------|
|                |                               |             | 0/0                     |      | 17/15  |      | 35/33  |      | 47/43  |      | 62/56  |      |
|                | Piston or Field Installed TXV |             | Btuh                    | kW   | Btuh   | kW   | Btuh   | kW   | Btuh   | kW   | Btuh   | kW   |
| 4SHP16LS124P-2 | BCS2M24V+TXV<br>BCS2M24S+TXV  | 70          | 12,361                  | 1.64 | 15,100 | 1.83 | 18,000 | 2.03 | 24,500 | 2.17 | 29,200 | 2.34 |
| 4SHP16LS136P-2 | BCS2M36V+TXV<br>BCS2M36S+TXV  | 70          | 15,811                  | 2.04 | 22,800 | 2.49 | 30,200 | 2.97 | 40,600 | 3.55 | 49,500 | 4.08 |
| 4SHP16LS148P-2 | BCS2M48V+TXV<br>BCS2M48S+TXV  | 70          | 28,561                  | 3.32 | 31,300 | 3.49 | 34,200 | 3.67 | 46,900 | 3.59 | 54,700 | 3.64 |
| 4SHP16LS160P-2 | BCS2M60V+TXV<br>BCS2M60S+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  
subject to change without notice  
and without incurring obligations.

