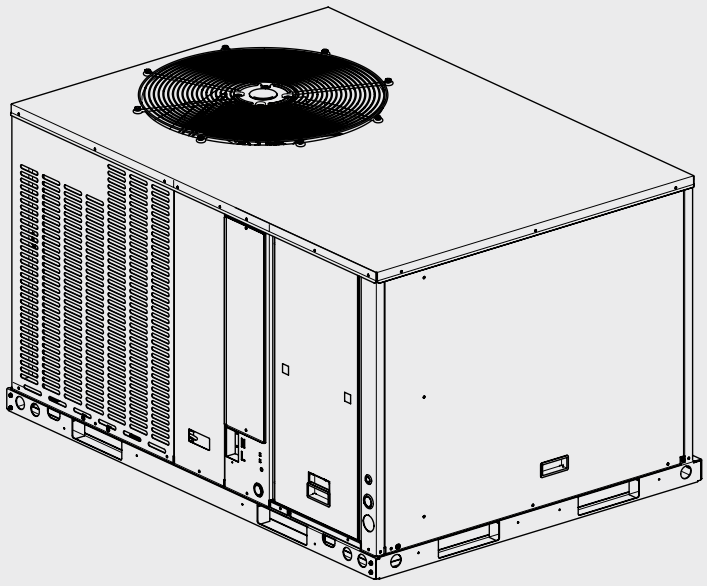
**Product Specifications**

# Packaged Heat Pump

# **PL5 Series Packaged Unit**

3-5 Ton Capacity | R-454B



BTC 911008201 A / 05.2026

AHRI CERTIFIED®
www.ahridirectory.org
Unitary Small HP
AHRI Standard 210/240
Certification applies only when the complete system is listed with AHRI.

C ETL LISTED US
Intertek

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# 1 Product Features

## 1.1 Features and Benefits

- Superior efficiency
  - 3T Unit rated at 16 SEER2, 9 EER2, 8.1 HSPF2
  - 5T Unit rated at 16 SEER2, 10 EER2, 8.5 HSPF2
- Fully modulating Inverter Drive precisely matches the heating/cooling load
- Inverter Compressor (31%-107% speed in cooling, 32%-105% speed in heating), modulation in 1% increments
- Provides up to 4-stage indoor fan control
- Easy to install – compatible with most standard 24 VAC heat pump thermostats

## 1.2 Standard Features

- Product designed to use R-454B refrigerant
- Intelligent Oil Return Technology
- Inverter Driven Rotary Compressor
- Crankcase Heater Standard
- Multiple System Protection:
  - High pressure switch and low pressure transducer
  - Compressor liquid return protection
  - Compressor high or low compression ratio protection
  - Compressor high temperature protection
  - High / low voltage protection and overcurrent protection
  - IPM and electronic control board high temperature protection
- Outdoor coil is capable of withstanding 1000-hour salt spray test according to ASTM B117 standard
- AHRI certified; ETL listed

## 1.3 Cabinet Features

- Baked-on powder paint finish
- Wire fan discharge grille
- Steel louver coil guard

## 1.4 Limited Warranty

For Products installed in a one or two family residential dwelling, BHC warrants that all compressors and internal components incorporated into the Product at the time of shipment by BHC shall remain free from defects in workmanship and materials for ten (10) years* from the Commencement Date. If the Warranty Registration process has been completed and BHC determines that the Product or any part of the Product has a defect in workmanship or materials, BHC shall pay labor charges associated with the repair or replacement of the part in accordance with the Warranty Labor Allowance Schedule** for the period of ninety (90) days from the Commencement Date.

** ** For additional warranty information and details of the Warranty Labor Allowance Schedule, please contact CG-UPGConsumerRelations@bosch-hcgroup.com.*

## 2 Nomenclature

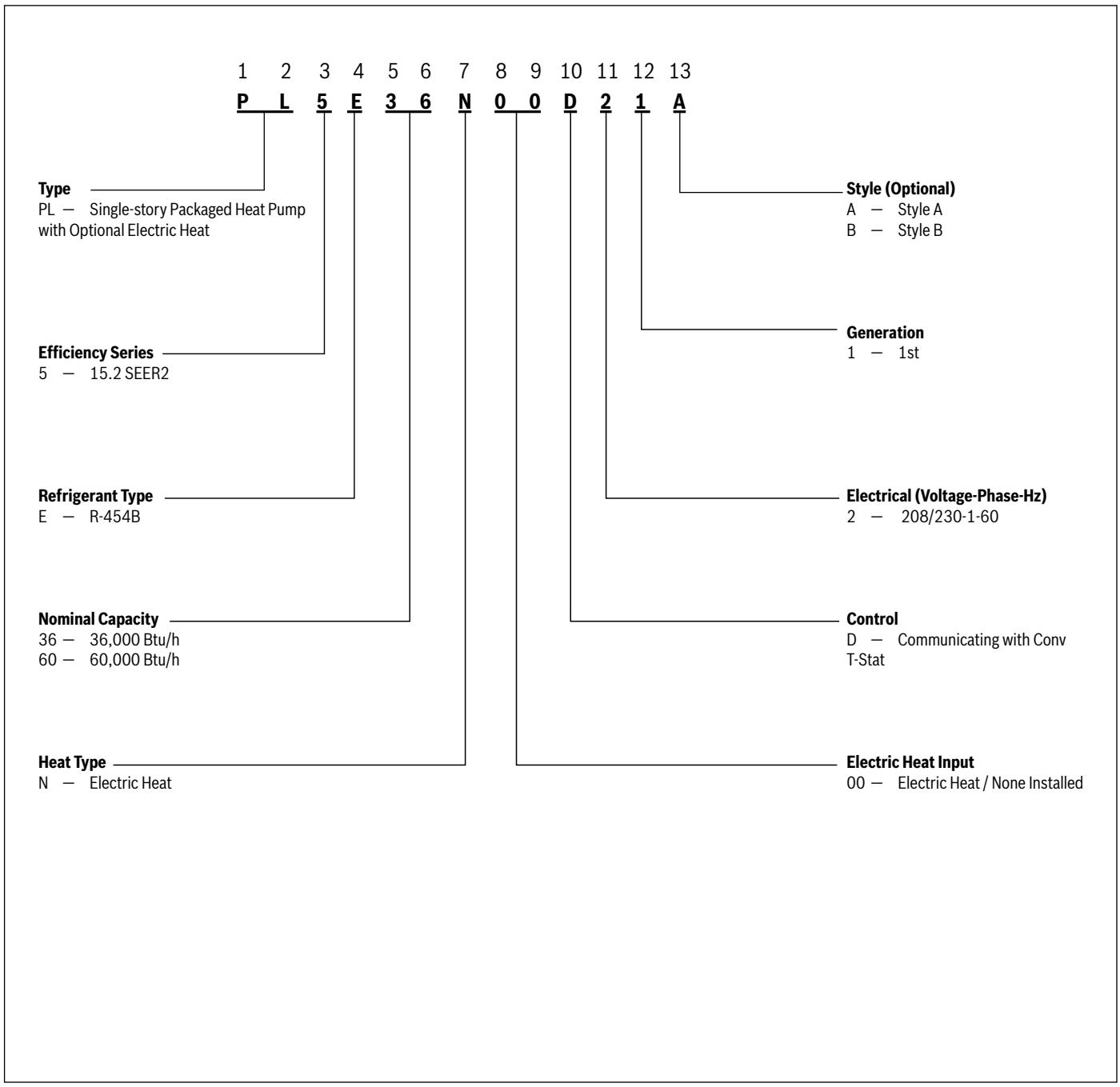



*Figure 1*

## 3 Product Specifications

| | 3 Ton | 5 Ton |
|---|---|---|
| **Capacity** | | |
| Nominal Cooling - Btu/h | 34200 | 57000 |
| Nominal Heating - Btu/h | 34600 | 57000 |
| **Sound Power - dB(A)** | | |
| Maximum @ 100% Load | 80.8 | 80.9 |
| Mininum @ Minimum Load | 64.2 | 68.1 |
| **Compressor** | | |
| Rated Load Amps - A | 17.0 | 27.5 |
| **Outdoor Fan Motor** | | |
| Horsepower - HP | 1/3 | 1/3 |
| Full Load Amps - A | 2.1 | 2.1 |
| **Indoor Fan Motor** | | |
| Horsepower - HP | 1/2 | 3/4 |
| Full Load Amps - A | 4.3 | 6.0 |
| **Refrigeration System** | | |
| Refrigerant Charge (R-454B) - lb-oz | 3-14 | 6-6 |
| Expansion Device | Electronic Expansion Valve (EEV) | |
| **Operating Range** | | |
| Cooling - °F | 23 - 120 | |
| Heating - °F | 0 - 86 | |
| **Electrical Data** | | |
| Voltage-Phase-Hz | 208/230-1-60 | |
| Minimum Circuit Ampacity[1] - A | 27.7 | 42.5 |
| Maximum Overcurrent Protection[2] - A | 40 | 60 |
| Maximum Fuse Size - A | 35 | 50 |
| Minimum / Maximum Voltage - V | 187/253 | |
| **Air Filter** | | |
| Air Filter Size - in | 20 x 20 | 24 x 36 |
| **Weight[3]** | | |
| Net Weight (without packaging) - lb | 316 [143] | 419 [190] |
| Gross Weight (with packaging) - lb | 322 [146] | 428 [194] |
| **Dimensions** | | |
| Unit L x W x H - in | 52 x 37-3/4 x 24-13/16 | 58-1/2 x 42-1/16 x 33-1/16 |
| **Outdoor Coil** | | |
| Net Face Area - sq ft | 10.0 | 15.7 |
| Tube Diameter - in [mm] | 9/32 [7] | |
| Number of Rows | 2 | |
| Fins per Inch | 19 | |
| **Indoor Coil** | | |
| Net Face Area - sq ft | 3.65 | 6.46 |
| Tube Diameter - in [mm] | 9/32 [7] | |
| Number of Rows | 4 | |
| Fins per Inch | 17 | |

*Table 1*

*[1] Wire size should be determined in accordance with National Electrical Codes; extensive wire runs will require larger wire sizes.*

*[2] Must use time-delay fuses or HACR-type circuit breakers of the same size as noted.*

*[3] Weight values are estimated.*



Always check the rating plate for electrical data on the unit being installed.

## 4 AHRI 210/240 Performance Data

| Model Size | Heat Pump Model | Cooling | | | Heating | | | CFM | Cold Climate? |
|---|---|---|---|---|---|---|---|---|---|
| | | Capacity - Btu/h | EER2[1] | SEER2[2] | Capacity Hi - Btu/h | HSPF2[3] | Capacity Low[4] - Btu/h | | |
| 3 Ton | PL5E36N00D21 | 34200 | 10.0 | 16.0 | 34600 | 8.1 | 25000 | 1200/940 | |
| 5 Ton | PL5E60N00D21 | 57000 | 9.0 | 16.0 | 57000 | 8.5 | 40500 | 1720/1210 | ❄ |

*Table 2*

*1 Energy Efficiency Ratio 2; Certified per AHRI 210/240*

*2 Seasonal Energy Efficiency Ratio 2; Certified per AHRI 210/240*

*3 HSPF2 = Heating Seasonal Performance Factor 2 (Region IV); Certified per AHRI 210/240*

*4 Jumper cut or dip switch off*

*Items in **bold** boxes meet the requirements for ENERGY STAR*

❄ *Denotes combinations that meet ENERGY STAR v6.1 Cold Climate*

# 5 Extended Performance Data

## 5.1 PL5E36 for Cooling

| PL5E36 For Cooling | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Indoor Airflow - SCFM | Outdoor DB - °F | IWB - °F | 59 | | | | 63 | | | | 67 | | | | 71 | | | |
| | | IDB - °F | 70 | 75 | 80 | 85 | 70 | 75 | 80 | 85 | 70 | 75 | 80 | 85 | 70 | 75 | 80 | 85 |
| 750 | 32 | TC | 16.8 | 16.9 | 19.1 | 19.2 | 21.7 | 21.7 | 21.9 | 22.0 | 25.1 | 25.3 | 25.3 | 25.4 | \ | 27.3 | 27.4 | 27.5 |
| | | S/T | 0.74 | 0.81 | 0.99 | 1.00 | 0.55 | 0.67 | 0.79 | 0.91 | 0.42 | 0.53 | 0.63 | 0.73 | \ | 0.33 | 0.50 | 0.59 |
| | | kW | 0.80 | 0.79 | 0.79 | 0.88 | 1.01 | 1.01 | 1.01 | 1.01 | 1.18 | 1.15 | 1.16 | 1.17 | \ | 1.37 | 1.37 | 1.35 |
| | 65 | TC | 16.4 | 16.4 | 16.5 | 18.7 | 21.2 | 21.3 | 21.5 | 21.6 | 24.6 | 24.8 | 24.8 | 24.9 | \ | 26.7 | 26.8 | 26.9 |
| | | S/T | 0.74 | 0.90 | 0.99 | 1.00 | 0.55 | 0.67 | 0.79 | 0.91 | 0.42 | 0.53 | 0.63 | 0.73 | \ | 0.40 | 0.50 | 0.59 |
| | | kW | 0.93 | 0.92 | 0.92 | 1.02 | 1.18 | 1.18 | 1.18 | 1.17 | 1.38 | 1.34 | 1.35 | 1.36 | \ | 1.59 | 1.59 | 1.57 |
| | 75 | TC | 16.0 | 16.0 | 16.5 | 18.3 | 19.1 | 19.4 | 19.6 | 19.7 | 23.0 | 23.1 | 23.3 | 23.4 | \ | 25.7 | 25.8 | 25.9 |
| | | S/T | 0.75 | 0.91 | 0.99 | 1.00 | 0.56 | 0.70 | 0.83 | 0.95 | 0.42 | 0.54 | 0.65 | 0.75 | \ | 0.40 | 0.50 | 0.59 |
| | | kW | 1.03 | 1.03 | 1.06 | 1.16 | 1.19 | 1.20 | 1.20 | 1.20 | 1.47 | 1.45 | 1.45 | 1.45 | \ | 1.68 | 1.68 | 1.69 |
| | 85 | TC | 13.5 | 13.5 | 14.9 | 16.7 | 16.8 | 16.8 | 17.0 | 17.1 | 21.5 | 21.5 | 21.6 | 21.8 | \ | 25.3 | 25.4 | 25.6 |
| | | S/T | 0.80 | 0.98 | 0.99 | 1.00 | 0.58 | 0.73 | 0.89 | 1.00 | 0.42 | 0.54 | 0.66 | 0.77 | \ | 0.40 | 0.51 | 0.60 |
| | | kW | 1.04 | 1.05 | 1.07 | 1.17 | 1.21 | 1.21 | 1.21 | 1.21 | 1.55 | 1.55 | 1.55 | 1.54 | \ | 1.79 | 1.79 | 1.79 |
| | 95 | TC | 12.8 | 12.8 | 14.7 | 16.3 | 16.5 | 16.5 | 16.5 | 16.5 | 19.5 | 19.7 | 19.8 | 19.9 | \ | 23.4 | 23.5 | 23.6 |
| | | S/T | 0.82 | 0.98 | 0.99 | 1.00 | 0.58 | 0.74 | 0.89 | 1.00 | 0.42 | 0.55 | 0.69 | 0.81 | \ | 0.40 | 0.51 | 0.61 |
| | | kW | 1.23 | 1.23 | 1.37 | 1.52 | 1.50 | 1.51 | 1.52 | 1.51 | 1.69 | 1.69 | 1.69 | 1.68 | \ | 2.12 | 2.11 | 2.11 |
| | 105 | TC | 12.6 | 12.6 | 14.4 | 15.6 | 15.4 | 15.6 | 15.7 | 16.2 | 19.1 | 19.0 | 19.0 | 19.3 | \ | 22.7 | 22.8 | 22.9 |
| | | S/T | 0.83 | 0.98 | 0.99 | 1.00 | 0.60 | 0.76 | 0.93 | 1.00 | 0.42 | 0.56 | 0.69 | 0.82 | \ | 0.40 | 0.51 | 0.62 |
| | | kW | 1.55 | 1.54 | 1.71 | 1.83 | 1.78 | 1.78 | 1.77 | 1.87 | 2.11 | 2.11 | 2.11 | 2.09 | \ | 2.61 | 2.55 | 2.54 |
| | 115 | TC | 11.1 | 11.4 | 13.4 | 15.2 | 14.2 | 14.2 | 14.2 | 15.5 | 18.0 | 18.2 | 18.5 | 18.6 | \ | 21.2 | 21.3 | 21.4 |
| | | S/T | 0.86 | 0.98 | 0.99 | 1.00 | 0.60 | 0.77 | 0.94 | 1.00 | 0.42 | 0.56 | 0.70 | 0.82 | \ | 0.40 | 0.52 | 0.62 |
| | | kW | 1.39 | 1.39 | 1.54 | 1.64 | 1.60 | 1.60 | 1.59 | 1.68 | 1.90 | 1.90 | 1.90 | 1.88 | \ | 2.35 | 2.29 | 2.28 |
| | 120 | TC | 8.0 | 8.2 | 9.6 | 10.9 | 10.2 | 10.5 | 10.8 | 11.1 | 12.9 | 13.1 | 13.3 | 13.2 | \ | 15.2 | 15.3 | 15.4 |
| | | S/T | 0.86 | 0.98 | 0.99 | 1.00 | 0.60 | 0.77 | 0.94 | 1.00 | 0.42 | 0.56 | 0.70 | 0.83 | \ | 0.40 | 0.52 | 0.62 |
| | | kW | 1.11 | 1.11 | 1.23 | 1.32 | 1.28 | 1.28 | 1.27 | 1.34 | 1.52 | 1.52 | 1.52 | 1.51 | \ | 1.88 | 1.83 | 1.83 |
| 900 | 32 | TC | 21.8 | 22.1 | 22.7 | 25.0 | 26.1 | 26.1 | 26.4 | 26.8 | 30.2 | 30.3 | 30.5 | 30.6 | \ | 32.7 | 32.8 | 32.9 |
| | | S/T | 0.74 | 0.81 | 0.99 | 1.00 | 0.62 | 0.81 | 0.97 | 0.98 | 0.42 | 0.55 | 0.75 | 0.88 | \ | 0.33 | 0.51 | 0.67 |
| | | kW | 1.06 | 1.05 | 1.09 | 1.21 | 1.26 | 1.26 | 1.29 | 1.26 | 1.48 | 1.49 | 1.50 | 1.51 | \ | 1.70 | 1.70 | 1.73 |
| | 65 | TC | 21.6 | 21.6 | 22.5 | 24.8 | 25.8 | 25.8 | 26.1 | 26.5 | 29.9 | 30.0 | 30.2 | 30.3 | \ | 34.1 | 34.1 | 34.3 |
| | | S/T | 0.76 | 0.93 | 0.99 | 1.00 | 0.57 | 0.71 | 0.84 | 0.97 | 0.42 | 0.54 | 0.66 | 0.77 | \ | 0.40 | 0.51 | 0.61 |
| | | kW | 1.23 | 1.23 | 1.27 | 1.41 | 1.47 | 1.46 | 1.49 | 1.47 | 1.72 | 1.73 | 1.75 | 1.76 | \ | 1.98 | 1.98 | 2.01 |
| | 75 | TC | 19.0 | 19.1 | 21.1 | 22.9 | 22.8 | 22.9 | 22.9 | 23.5 | 27.6 | 27.6 | 27.7 | 27.7 | \ | 30.5 | 30.6 | 30.7 |
| | | S/T | 0.80 | 0.98 | 0.99 | 1.00 | 0.59 | 0.74 | 0.90 | 1.00 | 0.42 | 0.55 | 0.68 | 0.81 | \ | 0.40 | 0.52 | 0.62 |
| | | kW | 1.25 | 1.26 | 1.38 | 1.53 | 1.50 | 1.50 | 1.50 | 1.55 | 1.85 | 1.85 | 1.85 | 1.85 | \ | 2.11 | 2.13 | 2.14 |
| | 85 | TC | 18.0 | 18.5 | 20.4 | 22.2 | 21.9 | 22.3 | 22.6 | 22.9 | 25.8 | 25.8 | 25.8 | 25.9 | \ | 29.4 | 29.5 | 29.6 |
| | | S/T | 0.82 | 0.98 | 0.99 | 1.00 | 0.59 | 0.76 | 0.92 | 1.00 | 0.42 | 0.56 | 0.70 | 0.84 | \ | 0.40 | 0.52 | 0.63 |
| | | kW | 1.41 | 1.41 | 1.55 | 1.69 | 1.65 | 1.66 | 1.66 | 1.70 | 1.89 | 1.89 | 1.88 | 1.87 | \ | 2.28 | 2.28 | 2.29 |
| | 95 | TC | 17.7 | 18.1 | 20.2 | 22.1 | 21.8 | 22.2 | 22.5 | 22.7 | 24.9 | 24.9 | 25.0 | 25.0 | \ | 28.6 | 28.7 | 28.8 |
| | | S/T | 0.83 | 0.98 | 0.99 | 1.00 | 0.59 | 0.76 | 0.92 | 1.00 | 0.42 | 0.57 | 0.71 | 0.85 | \ | 0.40 | 0.53 | 0.64 |
| | | kW | 1.70 | 1.74 | 1.89 | 2.09 | 2.05 | 2.05 | 2.05 | 2.09 | 2.21 | 2.21 | 2.21 | 2.21 | \ | 2.68 | 2.68 | 2.69 |
| | 105 | TC | 17.1 | 17.3 | 19.8 | 21.1 | 20.2 | 20.5 | 20.9 | 21.5 | 23.9 | 24.1 | 24.2 | 24.3 | \ | 27.7 | 27.8 | 27.9 |
| | | S/T | 0.85 | 0.98 | 0.99 | 1.00 | 0.61 | 0.79 | 0.95 | 1.00 | 0.42 | 0.58 | 0.73 | 0.87 | \ | 0.41 | 0.53 | 0.65 |
| | | kW | 2.08 | 2.09 | 2.32 | 2.44 | 2.34 | 2.31 | 2.31 | 2.44 | 2.68 | 2.70 | 2.70 | 2.69 | \ | 3.29 | 3.30 | 3.30 |
| | 115 | TC | 15.1 | 15.8 | 17.6 | 19.5 | 17.6 | 17.6 | 17.8 | 19.9 | 21.8 | 21.9 | 21.9 | 21.9 | \ | 23.2 | 23.3 | 23.4 |
| | | S/T | 0.88 | 0.98 | 0.99 | 1.00 | 0.62 | 0.82 | 0.97 | 1.00 | 0.42 | 0.58 | 0.74 | 0.89 | \ | 0.41 | 0.55 | 0.69 |
| | | kW | 1.87 | 1.88 | 2.09 | 2.20 | 2.10 | 2.08 | 2.08 | 2.20 | 2.41 | 2.43 | 2.43 | 2.42 | \ | 2.96 | 2.97 | 2.97 |
| | 120 | TC | 10.8 | 11.4 | 12.7 | 14.0 | 12.6 | 12.7 | 12.8 | 14.4 | 15.7 | 15.8 | 15.8 | 15.8 | \ | 16.6 | 16.7 | 16.8 |
| | | S/T | 0.88 | 0.98 | 0.99 | 1.00 | 0.62 | 0.82 | 0.99 | 1.00 | 0.42 | 0.58 | 0.74 | 0.89 | \ | 0.41 | 0.56 | 0.69 |
| | | kW | 1.62 | 1.69 | 1.55 | 1.64 | 1.61 | 1.62 | 1.62 | 1.64 | 1.69 | 1.72 | 1.74 | 1.74 | \ | 2.04 | 2.06 | 2.06 |
| 1050 | 32 | TC | 24.8 | 25.1 | 27.5 | 29.2 | 29.6 | 29.8 | 29.9 | 30.1 | 33.7 | 34.5 | 34.7 | 34.8 | \ | 35.5 | 35.6 | 35.7 |
| | | S/T | 0.75 | 0.82 | 0.99 | 1.00 | 0.62 | 0.82 | 0.98 | 0.99 | 0.42 | 0.55 | 0.76 | 0.88 | \ | 0.34 | 0.51 | 0.67 |
| | | kW | 1.10 | 1.15 | 1.26 | 1.35 | 1.35 | 1.36 | 1.36 | 1.37 | 1.54 | 1.61 | 1.62 | 1.63 | \ | 1.76 | 1.77 | 1.87 |
| | 65 | TC | 24.6 | 24.8 | 27.2 | 29.0 | 29.3 | 29.5 | 29.6 | 29.8 | 33.3 | 34.2 | 34.4 | 34.5 | \ | 35.2 | 35.3 | 35.4 |
| | | S/T | 0.79 | 0.98 | 0.99 | 1.00 | 0.58 | 0.73 | 0.88 | 0.99 | 0.42 | 0.55 | 0.68 | 0.80 | \ | 0.40 | 0.53 | 0.64 |
| | | kW | 1.41 | 1.48 | 1.62 | 1.73 | 1.74 | 1.75 | 1.75 | 1.75 | 1.98 | 2.07 | 2.08 | 2.09 | \ | 2.25 | 2.27 | 2.35 |
| | 75 | TC | 21.8 | 22.1 | 25.1 | 27.2 | 26.0 | 26.3 | 26.4 | 27.8 | 31.5 | 31.6 | 31.7 | 31.7 | \ | 34.0 | 34.1 | 34.2 |
| | | S/T | 0.83 | 0.98 | 0.99 | 1.00 | 0.60 | 0.77 | 0.93 | 1.00 | 0.42 | 0.56 | 0.70 | 0.84 | \ | 0.40 | 0.53 | 0.65 |
| | | kW | 1.42 | 1.49 | 1.63 | 1.80 | 1.74 | 1.75 | 1.75 | 1.80 | 2.10 | 2.10 | 2.10 | 2.09 | \ | 2.32 | 2.35 | 2.36 |
| | 85 | TC | 21.7 | 22.0 | 25.0 | 27.1 | 25.9 | 26.2 | 26.3 | 27.6 | 29.4 | 29.7 | 29.7 | 30.0 | \ | 33.6 | 33.7 | 33.8 |
| | | S/T | 0.84 | 0.98 | 0.99 | 1.00 | 0.60 | 0.77 | 0.94 | 1.00 | 0.42 | 0.57 | 0.73 | 0.87 | \ | 0.41 | 0.53 | 0.65 |
| | | kW | 1.72 | 1.73 | 1.93 | 2.15 | 2.02 | 2.03 | 2.04 | 2.15 | 2.23 | 2.24 | 2.24 | 2.27 | \ | 2.72 | 2.75 | 2.76 |
| | 95 | TC | 21.6 | 21.9 | 24.9 | 27.0 | 25.7 | 26.1 | 26.2 | 27.5 | 29.1 | 29.5 | 29.6 | 29.8 | \ | 32.6 | 32.7 | 32.8 |
| | | S/T | 0.84 | 0.98 | 0.99 | 1.00 | 0.60 | 0.77 | 0.94 | 1.00 | 0.42 | 0.57 | 0.72 | 0.87 | \ | 0.41 | 0.54 | 0.66 |
| | | kW | 2.07 | 2.09 | 2.34 | 2.58 | 2.46 | 2.48 | 2.48 | 2.58 | 2.75 | 2.75 | 2.75 | 2.75 | \ | 3.11 | 3.12 | 3.14 |
| | 105 | TC | 20.5 | 21.1 | 24.1 | 25.5 | 24.9 | 25.1 | 25.1 | 26.1 | 27.4 | 27.9 | 28.0 | 28.0 | \ | 31.2 | 31.3 | 31.4 |
| | | S/T | 0.86 | 0.98 | 0.99 | 1.00 | 0.61 | 0.79 | 0.95 | 1.00 | 0.42 | 0.59 | 0.75 | 0.90 | \ | 0.41 | 0.55 | 0.68 |
| | | kW | 2.31 | 2.37 | 2.67 | 2.82 | 2.78 | 2.79 | 2.79 | 2.83 | 2.92 | 2.98 | 3.00 | 2.99 | \ | 3.52 | 3.55 | 3.56 |
| | 115 | TC | 18.3 | 19.2 | 20.9 | 22.5 | 20.9 | 21.0 | 21.5 | 23.0 | 23.2 | 23.3 | 23.4 | 23.4 | \ | 23.8 | 23.9 | 24.0 |
| | | S/T | 0.88 | 0.98 | 0.99 | 1.00 | 0.63 | 0.84 | 0.97 | 1.00 | 0.43 | 0.61 | 0.79 | 0.95 | \ | 0.42 | 0.59 | 0.75 |
| | | kW | 1.96 | 2.02 | 2.27 | 2.40 | 2.36 | 2.37 | 2.38 | 2.40 | 2.48 | 2.53 | 2.55 | 2.54 | \ | 2.99 | 3.02 | 3.03 |
| | 120 | TC | 12.8 | 13.4 | 14.6 | 15.7 | 14.7 | 14.7 | 15.1 | 16.1 | 16.3 | 16.3 | 16.4 | 16.4 | \ | 16.6 | 16.7 | 16.8 |
| | | S/T | 0.89 | 0.98 | 0.99 | 1.00 | 0.63 | 0.84 | 1.00 | 1.00 | 0.43 | 0.61 | 0.80 | 0.96 | \ | 0.42 | 0.59 | 0.75 |
| | | kW | 1.78 | 1.85 | 1.70 | 1.80 | 1.77 | 1.78 | 1.78 | 1.80 | 1.86 | 1.90 | 1.91 | 1.91 | \ | 2.24 | 2.26 | 2.27 |

*Table 3*

*TC: refers to total capacity, in kBtu/h S/T: refers to the ratio of sensible heat and total capacity kW: refers to total input power*

| PL5E36 For Cooling | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Indoor Airflow - SCFM | Outdoor DB - °F | IWB - °F | 59 | | | | 63 | | | | 67 | | | | 71 | | | | |
| | | IDB - °F | 70 | 75 | 80 | 85 | 70 | 75 | 80 | 85 | 70 | 75 | 80 | 85 | 70 | 75 | 80 | 85 | |
| 1200 | 32 | TC | 26.2 | 27.3 | 30.7 | 34.1 | 31.8 | 32.0 | 32.3 | 34.1 | 36.5 | 37.0 | 37.2 | 37.5 | \ | 38.5 | 38.6 | 38.7 | |
| | | S/T | 0.76 | 0.83 | 0.99 | 1.00 | 0.63 | 0.88 | 0.99 | 1.00 | 0.42 | 0.56 | 0.77 | 0.97 | \ | 0.34 | 0.52 | 0.68 | |
| | | kW | 1.29 | 1.34 | 1.44 | 1.56 | 1.51 | 1.53 | 1.54 | 1.56 | 1.74 | 1.76 | 1.81 | 1.82 | \ | 1.97 | 1.99 | 2.09 | |
| | 65 | TC | 25.8 | 26.9 | 30.2 | 32.9 | 31.3 | 31.6 | 31.8 | 33.6 | 35.9 | 36.5 | 36.6 | 36.9 | \ | 37.9 | 38.0 | 38.1 | |
| | | S/T | 0.81 | 0.98 | 0.99 | 1.00 | 0.59 | 0.76 | 0.92 | 0.99 | 0.42 | 0.57 | 0.71 | 0.85 | \ | 0.41 | 0.54 | 0.65 | |
| | | kW | 1.65 | 1.72 | 1.85 | 2.00 | 1.93 | 1.96 | 1.97 | 2.00 | 2.24 | 2.26 | 2.32 | 2.33 | \ | 2.53 | 2.55 | 2.68 | |
| | 75 | TC | 24.5 | 25.6 | 28.8 | 31.3 | 29.8 | 30.1 | 30.3 | 32.0 | 34.2 | 34.8 | 34.9 | 34.6 | \ | 36.1 | 36.2 | 36.3 | |
| | | S/T | 0.85 | 0.98 | 0.99 | 1.00 | 0.60 | 0.77 | 0.94 | 1.00 | 0.42 | 0.58 | 0.73 | 0.87 | \ | 0.41 | 0.54 | 0.67 | |
| | | kW | 1.70 | 1.80 | 2.05 | 2.25 | 2.10 | 2.13 | 2.14 | 2.25 | 2.37 | 2.41 | 2.42 | 2.42 | \ | 2.75 | 2.79 | 2.80 | |
| | 85 | TC | 24.3 | 25.4 | 28.5 | 31.0 | 29.5 | 29.8 | 30.0 | 31.7 | 33.9 | 34.4 | 34.5 | 34.6 | \ | 35.8 | 35.9 | 36.0 | |
| | | S/T | 0.86 | 0.98 | 0.99 | 1.00 | 0.60 | 0.78 | 0.95 | 1.00 | 0.42 | 0.58 | 0.73 | 0.88 | \ | 0.41 | 0.55 | 0.68 | |
| | | kW | 2.04 | 2.14 | 2.38 | 2.66 | 2.46 | 2.52 | 2.53 | 2.66 | 2.81 | 2.87 | 2.87 | 2.86 | \ | 3.12 | 3.16 | 3.19 | |
| | 95 | TC | 24.1 | 25.1 | 28.2 | 30.7 | 29.3 | 29.5 | 29.7 | 31.4 | 33.0 | 34.1 | 34.2 | 34.2 | \ | 35.4 | 35.5 | 35.6 | |
| | | S/T | 0.87 | 0.98 | 0.99 | 1.00 | 0.60 | 0.78 | 0.95 | 1.00 | 0.42 | 0.58 | 0.77 | 0.89 | \ | 0.42 | 0.55 | 0.67 | |
| | | kW | 2.42 | 2.54 | 2.82 | 3.14 | 2.95 | 2.97 | 2.97 | 3.15 | 3.36 | 3.42 | 3.42 | 3.41 | \ | 3.64 | 3.64 | 3.63 | |
| | 105 | TC | 23.1 | 24.3 | 27.3 | 29.8 | 27.7 | 28.1 | 28.1 | 30.4 | 31.2 | 31.4 | 31.5 | 31.5 | \ | 31.9 | 32.0 | 32.1 | |
| | | S/T | 0.88 | 0.98 | 0.99 | 1.00 | 0.62 | 0.81 | 0.96 | 1.00 | 0.42 | 0.60 | 0.77 | 0.92 | \ | 0.42 | 0.57 | 0.72 | |
| | | kW | 2.75 | 2.87 | 3.20 | 3.56 | 3.25 | 3.31 | 3.31 | 3.56 | 3.59 | 3.59 | 3.59 | 3.59 | \ | 3.65 | 3.65 | 3.65 | |
| | 115 | TC | 20.2 | 21.6 | 23.6 | 24.9 | 22.7 | 22.8 | 23.6 | 25.4 | 24.8 | 24.9 | 25.1 | 25.4 | \ | 26.1 | 26.2 | 26.3 | |
| | | S/T | 0.88 | 0.98 | 0.99 | 1.00 | 0.66 | 0.89 | 0.97 | 1.00 | 0.44 | 0.65 | 0.86 | 1.00 | \ | 0.43 | 0.63 | 0.82 | |
| | | kW | 2.61 | 2.72 | 2.84 | 3.08 | 2.95 | 2.96 | 2.99 | 3.08 | 3.07 | 3.07 | 3.07 | 3.08 | \ | 3.11 | 3.11 | 3.11 | |
| | 120 | TC | 14.1 | 15.1 | 16.5 | 17.4 | 15.9 | 16.0 | 16.5 | 17.8 | 17.3 | 17.5 | 17.6 | 17.8 | \ | 18.3 | 18.4 | 18.5 | |
| | | S/T | 0.91 | 0.98 | 0.99 | 1.00 | 0.76 | 0.98 | 1.00 | 1.00 | 0.44 | 0.76 | 0.90 | 1.00 | \ | 0.42 | 0.74 | 0.90 | |
| | | kW | 1.96 | 2.04 | 2.13 | 2.31 | 2.21 | 2.22 | 2.24 | 2.31 | 2.31 | 2.31 | 2.31 | 2.31 | \ | 2.33 | 2.33 | 2.33 | |
| 1350 | 32 | TC | 28.6 | 29.1 | 32.2 | 34.7 | 33.0 | 33.5 | 33.1 | 35.5 | 37.0 | 37.8 | 38.2 | 38.3 | \ | 39.0 | 39.1 | 39.2 | |
| | | S/T | 0.79 | 0.98 | 0.99 | 1.00 | 0.64 | 0.89 | 0.99 | 1.00 | 0.42 | 0.61 | 0.81 | 0.97 | \ | 0.40 | 0.56 | 0.76 | |
| | | kW | 1.44 | 1.46 | 1.60 | 1.77 | 1.66 | 1.68 | 1.64 | 1.77 | 1.87 | 1.90 | 1.92 | 1.92 | \ | 2.03 | 2.16 | 2.19 | |
| | 65 | TC | 27.5 | 28.7 | 31.7 | 34.2 | 32.5 | 33.0 | 32.6 | 34.9 | 36.4 | 37.2 | 37.6 | 37.7 | \ | 38.4 | 38.5 | 38.6 | |
| | | S/T | 0.83 | 0.98 | 0.99 | 1.00 | 0.60 | 0.78 | 0.95 | 1.00 | 0.42 | 0.58 | 0.73 | 0.88 | \ | 0.41 | 0.55 | 0.68 | |
| | | kW | 1.85 | 1.87 | 2.05 | 2.27 | 2.13 | 2.15 | 2.10 | 2.27 | 2.39 | 2.43 | 2.46 | 2.46 | \ | 2.61 | 2.76 | 2.81 | |
| | 75 | TC | 26.0 | 27.5 | 31.0 | 33.5 | 31.0 | 31.5 | 31.8 | 34.2 | 34.6 | 35.5 | 35.7 | 36.0 | \ | 38.2 | 38.3 | 38.4 | |
| | | S/T | 0.87 | 0.98 | 0.99 | 1.00 | 0.61 | 0.80 | 0.97 | 1.00 | 0.42 | 0.59 | 0.76 | 0.90 | \ | 0.41 | 0.55 | 0.68 | |
| | | kW | 1.92 | 1.97 | 2.23 | 2.45 | 2.24 | 2.27 | 2.28 | 2.45 | 2.50 | 2.50 | 2.50 | 2.54 | \ | 2.90 | 2.99 | 3.03 | |
| | 85 | TC | 25.5 | 26.9 | 30.6 | 33.0 | 30.6 | 31.0 | 31.2 | 33.7 | 34.1 | 34.9 | 35.2 | 35.4 | \ | 37.1 | 37.2 | 37.3 | |
| | | S/T | 0.88 | 0.98 | 0.99 | 1.00 | 0.61 | 0.81 | 0.97 | 1.00 | 0.42 | 0.59 | 0.76 | 0.92 | \ | 0.41 | 0.56 | 0.70 | |
| | | kW | 2.23 | 2.32 | 2.63 | 2.89 | 2.65 | 2.67 | 2.69 | 2.89 | 2.95 | 2.95 | 2.96 | 2.95 | \ | 3.27 | 3.34 | 3.37 | |
| | 95 | TC | 25.0 | 26.6 | 30.1 | 32.0 | 30.0 | 30.7 | 30.8 | 33.1 | 33.8 | 34.5 | 34.8 | 34.9 | \ | 36.0 | 36.1 | 36.2 | |
| | | S/T | 0.88 | 0.98 | 0.99 | 1.00 | 0.62 | 0.81 | 0.97 | 1.00 | 0.42 | 0.59 | 0.78 | 0.92 | \ | 0.42 | 0.57 | 0.72 | |
| | | kW | 2.63 | 2.75 | 3.10 | 3.40 | 3.11 | 3.15 | 3.15 | 3.40 | 3.52 | 3.52 | 3.52 | 3.51 | \ | 3.72 | 3.71 | 3.71 | |
| | 105 | TC | 24.1 | 26.1 | 29.4 | 30.9 | 29.1 | 29.5 | 29.4 | 31.6 | 31.7 | 31.9 | 32.1 | 32.1 | \ | 32.3 | 32.4 | 32.5 | |
| | | S/T | 0.90 | 0.98 | 0.99 | 1.00 | 0.63 | 0.83 | 0.97 | 1.00 | 0.43 | 0.61 | 0.80 | 0.96 | \ | 0.42 | 0.59 | 0.76 | |
| | | kW | 2.93 | 3.15 | 3.51 | 3.66 | 3.51 | 3.53 | 3.51 | 3.66 | 3.67 | 3.67 | 3.67 | 3.67 | \ | 3.73 | 3.73 | 3.73 | |
| | 115 | TC | 20.8 | 22.6 | 24.6 | 25.4 | 23.0 | 23.2 | 24.6 | 26.0 | 25.0 | 25.3 | 25.4 | 26.0 | \ | 26.4 | 26.5 | 26.6 | |
| | | S/T | 0.95 | 0.98 | 0.99 | 1.00 | 0.69 | 0.94 | 0.97 | 1.00 | 0.44 | 0.68 | 0.91 | 1.00 | \ | 0.44 | 0.66 | 0.87 | |
| | | kW | 2.74 | 2.86 | 2.97 | 3.12 | 3.03 | 3.03 | 3.13 | 3.11 | 3.15 | 3.14 | 3.14 | 3.12 | \ | 3.18 | 3.18 | 3.17 | |
| | 120 | TC | 16.7 | 18.1 | 19.7 | 20.4 | 18.4 | 18.5 | 19.7 | 20.8 | 20.0 | 20.2 | 20.4 | 20.8 | \ | 21.1 | 21.2 | 21.3 | |
| | | S/T | 0.96 | 1.00 | 1.00 | 1.00 | 0.85 | 0.99 | 1.00 | 1.00 | 0.44 | 0.86 | 1.00 | 1.00 | \ | 0.46 | 0.76 | 0.95 | |
| | | kW | 2.15 | 2.24 | 2.34 | 2.54 | 2.44 | 2.44 | 2.46 | 2.54 | 2.54 | 2.54 | 2.54 | 2.54 | \ | 2.57 | 2.57 | 2.56 | |

*Table 4*

*TC: refers to total capacity, in kBtu/h S/T: refers to the ratio of sensible heat and total capacity kW: refers to total input power*

## 5.2 PL5E36 for Heating

| PL5E36 for Heating | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Airflow - SCFM | ID - °F | OD - °F | 86 | 72 | 67 | 62 | 57 | 52 | 47 | 42 | 37 | 32 | 27 | 22 | 17 | 12 | 7 | 2 | -4 |
| 750 | 60 | TC | 26.9 | 26.3 | 26.4 | 26.7 | 26.6 | 26.3 | 26.0 | 25.5 | 25.1 | 25.8 | 26.0 | 25.4 | 23.9 | 23.5 | 21.7 | 20.0 | 16.6 |
| | | kW | 1.50 | 1.72 | 1.79 | 1.93 | 2.10 | 2.18 | 2.30 | 2.39 | 2.54 | 2.78 | 3.39 | 3.61 | 3.47 | 3.86 | 3.66 | 3.36 | 2.79 |
| | 70 | TC | 21.5 | 21.1 | 20.9 | 20.7 | 20.6 | 20.5 | 20.4 | 20.3 | 19.9 | 20.1 | 20.5 | 20.7 | 20.5 | 18.9 | 18.5 | 17.4 | 16.2 |
| | | kW | 1.21 | 1.42 | 1.51 | 1.50 | 1.70 | 1.75 | 1.92 | 1.98 | 2.07 | 2.34 | 2.69 | 3.06 | 3.17 | 3.22 | 3.22 | 3.05 | 2.95 |
| | 75 | TC | 18.2 | 18.1 | 18.2 | 17.7 | 18.0 | 18.0 | 17.7 | 17.4 | 17.3 | 17.5 | 17.7 | 17.9 | 17.7 | 16.4 | 16.0 | 15.2 | 14.1 |
| | | kW | 1.02 | 1.21 | 1.28 | 1.31 | 1.46 | 1.55 | 1.63 | 1.70 | 1.88 | 2.10 | 2.40 | 2.76 | 2.80 | 2.86 | 2.95 | 2.72 | 2.64 |
| | 80 | TC | 16.0 | 15.0 | 14.6 | 14.9 | 15.6 | 15.0 | 15.1 | 14.7 | 14.4 | 14.7 | 14.9 | 15.0 | 14.9 | 13.8 | 13.8 | 12.4 | 11.5 |
| | | kW | 0.92 | 1.02 | 1.03 | 1.14 | 1.28 | 1.32 | 1.44 | 1.49 | 1.57 | 1.76 | 2.05 | 2.42 | 2.51 | 2.55 | 2.55 | 2.31 | 2.24 |
| 900 | 60 | TC | 36.6 | 35.8 | 35.4 | 34.9 | 35.3 | 34.9 | 34.2 | 31.9 | 30.0 | 27.8 | 28.1 | 26.3 | 24.7 | 24.2 | 22.6 | 21.0 | 16.7 |
| | | kW | 2.02 | 2.33 | 2.44 | 2.54 | 2.82 | 2.94 | 3.03 | 2.94 | 2.90 | 2.81 | 3.46 | 3.35 | 3.26 | 3.66 | 3.48 | 3.27 | 2.78 |
| | 70 | TC | 29.1 | 28.8 | 28.4 | 28.2 | 28.0 | 27.8 | 27.5 | 27.0 | 26.5 | 26.8 | 27.7 | 25.8 | 24.2 | 23.6 | 22.0 | 20.5 | 16.3 |
| | | kW | 1.68 | 1.91 | 1.94 | 2.02 | 2.26 | 2.34 | 2.47 | 2.57 | 2.72 | 2.90 | 3.73 | 3.61 | 3.48 | 3.89 | 3.69 | 3.47 | 2.95 |
| | 75 | TC | 25.2 | 24.2 | 24.0 | 23.6 | 24.9 | 24.4 | 23.8 | 23.4 | 23.3 | 23.5 | 23.6 | 24.1 | 23.7 | 21.9 | 21.4 | 19.6 | 15.6 |
| | | kW | 1.45 | 1.63 | 1.68 | 1.75 | 2.01 | 2.08 | 2.17 | 2.26 | 2.41 | 2.69 | 3.01 | 3.50 | 3.57 | 3.73 | 3.74 | 3.50 | 2.98 |
| | 80 | TC | 22.0 | 21.1 | 21.1 | 20.1 | 20.8 | 20.3 | 20.4 | 20.0 | 19.8 | 19.8 | 20.2 | 20.3 | 20.0 | 18.6 | 18.0 | 16.0 | 12.7 |
| | | kW | 1.28 | 1.46 | 1.52 | 1.52 | 1.67 | 1.76 | 1.93 | 2.00 | 2.12 | 2.34 | 2.72 | 3.05 | 3.13 | 3.25 | 3.20 | 2.83 | 2.41 |
| 1050 | 60 | TC | 43.9 | 42.3 | 42.1 | 40.0 | 38.2 | 36.3 | 34.5 | 32.6 | 30.5 | 28.2 | 29.6 | 26.2 | 24.7 | 24.6 | 22.8 | 20.9 | 16.6 |
| | | kW | 2.52 | 2.83 | 2.99 | 3.00 | 2.91 | 2.81 | 2.80 | 2.79 | 2.78 | 2.74 | 3.40 | 3.26 | 3.19 | 3.61 | 3.45 | 3.21 | 2.78 |
| | 70 | TC | 34.9 | 34.5 | 34.0 | 33.4 | 33.1 | 33.0 | 32.6 | 31.5 | 30.1 | 27.9 | 28.2 | 26.5 | 24.5 | 24.2 | 22.3 | 20.7 | 16.5 |
| | | kW | 1.97 | 2.20 | 2.30 | 2.45 | 2.67 | 2.83 | 2.96 | 3.02 | 2.98 | 2.93 | 3.61 | 3.51 | 3.43 | 3.81 | 3.64 | 3.41 | 2.95 |
| | 75 | TC | 30.0 | 29.4 | 28.7 | 28.3 | 29.4 | 28.4 | 28.4 | 27.8 | 27.4 | 27.4 | 28.0 | 25.9 | 24.3 | 23.7 | 21.9 | 20.5 | 16.3 |
| | | kW | 1.77 | 1.97 | 2.01 | 2.09 | 2.39 | 2.42 | 2.59 | 2.69 | 2.88 | 3.07 | 3.76 | 3.64 | 3.68 | 3.90 | 3.76 | 3.53 | 3.05 |
| | 80 | TC | 25.7 | 24.5 | 24.3 | 23.9 | 25.4 | 24.4 | 24.2 | 23.7 | 23.1 | 23.7 | 23.9 | 24.1 | 23.8 | 21.9 | 21.4 | 19.7 | 15.7 |
| | | kW | 1.53 | 1.70 | 1.75 | 1.82 | 2.06 | 2.12 | 2.24 | 2.33 | 2.43 | 2.75 | 3.22 | 3.55 | 3.68 | 3.74 | 3.80 | 3.52 | 3.04 |
| 1200 | 60 | TC | 50.0 | 45.9 | 44.0 | 41.5 | 38.7 | 36.6 | 35.1 | 33.1 | 31.3 | 28.7 | 30.4 | 26.8 | 25.1 | 25.0 | 23.1 | 21.2 | 16.9 |
| | | kW | 2.98 | 3.08 | 3.04 | 3.01 | 2.92 | 2.82 | 2.81 | 2.80 | 2.80 | 2.74 | 3.41 | 3.28 | 3.20 | 3.61 | 3.47 | 3.23 | 2.78 |
| | 70 | TC | 39.6 | 38.5 | 38.0 | 37.3 | 36.2 | 35.5 | 34.4 | 32.2 | 30.2 | 28.0 | 28.4 | 26.5 | 24.9 | 24.4 | 22.5 | 20.9 | 16.7 |
| | | kW | 2.34 | 2.63 | 2.74 | 2.85 | 3.15 | 3.09 | 3.08 | 3.04 | 3.01 | 2.94 | 3.61 | 3.52 | 3.44 | 3.82 | 3.66 | 3.43 | 2.95 |
| | 75 | TC | 34.8 | 33.3 | 32.9 | 32.4 | 33.2 | 32.6 | 32.2 | 31.7 | 30.0 | 27.9 | 28.5 | 26.6 | 24.6 | 24.1 | 22.3 | 20.6 | 16.4 |
| | | kW | 2.02 | 2.27 | 2.36 | 2.46 | 2.74 | 2.84 | 2.97 | 3.15 | 3.16 | 3.08 | 3.76 | 3.66 | 3.69 | 3.91 | 3.77 | 3.54 | 3.06 |
| | 80 | TC | 29.1 | 28.3 | 28.3 | 27.9 | 28.3 | 27.7 | 27.5 | 27.1 | 26.4 | 26.8 | 27.6 | 25.8 | 24.2 | 23.8 | 21.8 | 20.5 | 16.4 |
| | | kW | 1.77 | 1.95 | 2.05 | 2.13 | 2.35 | 2.44 | 2.56 | 2.69 | 2.82 | 3.08 | 3.78 | 3.75 | 3.69 | 4.04 | 3.86 | 3.64 | 3.13 |
| 1350 | 60 | TC | 52.5 | 46.3 | 44.4 | 41.9 | 39.2 | 37.0 | 35.4 | 33.4 | 31.6 | 29.0 | 30.6 | 27.1 | 25.4 | 25.4 | 23.4 | 21.4 | 17.0 |
| | | kW | 3.15 | 3.09 | 3.06 | 3.02 | 2.95 | 2.83 | 2.82 | 2.81 | 2.81 | 2.75 | 3.42 | 3.31 | 3.23 | 3.63 | 3.50 | 3.27 | 2.80 |
| | 70 | TC | 42.8 | 41.8 | 41.2 | 40.1 | 38.3 | 36.2 | 34.7 | 32.6 | 30.7 | 28.3 | 29.7 | 26.8 | 25.1 | 24.7 | 22.8 | 21.2 | 16.9 |
| | | kW | 2.54 | 2.93 | 3.04 | 3.16 | 3.16 | 3.17 | 3.08 | 3.04 | 3.03 | 2.96 | 3.65 | 3.55 | 3.49 | 3.85 | 3.70 | 3.47 | 2.97 |
| | 75 | TC | 39.4 | 36.3 | 35.9 | 35.1 | 35.8 | 35.2 | 34.1 | 31.9 | 30.5 | 28.0 | 28.9 | 26.9 | 25.0 | 24.5 | 22.6 | 21.0 | 16.7 |
| | | kW | 2.39 | 2.53 | 2.64 | 2.73 | 3.01 | 3.12 | 3.19 | 3.16 | 3.16 | 3.09 | 3.78 | 3.69 | 3.71 | 3.95 | 3.79 | 3.56 | 3.07 |
| | 80 | TC | 32.4 | 30.7 | 30.7 | 30.0 | 30.5 | 30.1 | 29.7 | 29.1 | 29.1 | 27.7 | 28.4 | 26.3 | 24.7 | 24.1 | 22.2 | 20.6 | 16.5 |
| | | kW | 1.95 | 2.15 | 2.26 | 2.33 | 2.58 | 2.68 | 2.81 | 2.94 | 3.16 | 3.18 | 3.90 | 3.78 | 3.70 | 4.06 | 3.92 | 3.64 | 3.13 |

*Table 5*

*TC: refers to total capacity, in kBtu/h kW: refers to total input power*

## 5.3 PL5E60 for Cooling

| PL5E60 for Cooling | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Indoor Airflow - SCFM | Outdoor DB - °F | IWB - °F | 59 | | | | 63 | | | | 67 | | | | 71 | | | |
| | | IDB - °F | 70 | 75 | 80 | 85 | 70 | 75 | 80 | 85 | 70 | 75 | 80 | 85 | 70 | 75 | 80 | 85 |
| 1050 | 32 | TC | 31.8 | 33.2 | 36.2 | 39.8 | 39.5 | 39.7 | 39.8 | 40.6 | 46.7 | 46.6 | 46.7 | 46.8 | \ | 49.5 | 49.6 | 49.7 |
| | | S/T | 0.71 | 0.76 | 1.00 | 1.00 | 0.52 | 0.63 | 0.83 | 0.92 | 0.35 | 0.49 | 0.62 | 0.77 | \ | 0.35 | 0.47 | 0.62 |
| | | kW | 1.51 | 1.59 | 1.74 | 1.91 | 1.85 | 1.85 | 1.86 | 1.88 | 2.22 | 2.21 | 2.21 | 2.21 | \ | 2.56 | 2.55 | 2.55 |
| | 65 | TC | 31.9 | 33.9 | 37.0 | 40.6 | 40.3 | 40.5 | 40.6 | 41.4 | 47.7 | 47.6 | 47.6 | 47.7 | \ | 50.5 | 50.6 | 50.7 |
| | | S/T | 0.80 | 0.95 | 1.00 | 1.00 | 0.59 | 0.73 | 0.87 | 0.99 | 0.43 | 0.56 | 0.69 | 0.80 | \ | 0.41 | 0.53 | 0.63 |
| | | kW | 1.73 | 1.79 | 1.95 | 2.14 | 2.08 | 2.08 | 2.09 | 2.12 | 2.49 | 2.49 | 2.49 | 2.49 | \ | 2.87 | 2.87 | 2.86 |
| | 75 | TC | 31.1 | 32.0 | 35.5 | 39.2 | 38.5 | 38.7 | 38.9 | 39.9 | 44.1 | 44.1 | 44.1 | 44.2 | \ | 48.0 | 48.1 | 48.2 |
| | | S/T | 0.81 | 0.98 | 1.00 | 1.00 | 0.59 | 0.74 | 0.89 | 0.99 | 0.43 | 0.57 | 0.70 | 0.83 | \ | 0.41 | 0.53 | 0.63 |
| | | kW | 1.89 | 1.91 | 2.13 | 2.40 | 2.36 | 2.37 | 2.37 | 2.42 | 2.63 | 2.64 | 2.63 | 2.63 | \ | 3.18 | 3.17 | 3.16 |
| | 85 | TC | 30.4 | 31.0 | 34.9 | 38.3 | 37.6 | 37.8 | 38.0 | 39.3 | 43.2 | 43.3 | 43.3 | 43.3 | \ | 47.0 | 47.1 | 47.2 |
| | | S/T | 0.81 | 0.98 | 1.00 | 1.00 | 0.60 | 0.74 | 0.89 | 1.00 | 0.43 | 0.57 | 0.70 | 0.83 | \ | 0.42 | 0.53 | 0.64 |
| | | kW | 2.33 | 2.34 | 2.59 | 2.89 | 2.78 | 2.85 | 2.85 | 2.91 | 3.13 | 3.14 | 3.13 | 3.13 | \ | 3.64 | 3.63 | 3.63 |
| | 95 | TC | 30.1 | 30.8 | 34.5 | 38.1 | 37.5 | 37.7 | 37.9 | 39.2 | 43.1 | 43.1 | 43.2 | 43.3 | \ | 46.9 | 47.0 | 47.1 |
| | | S/T | 0.81 | 0.98 | 1.00 | 1.00 | 0.60 | 0.75 | 0.90 | 1.00 | 0.43 | 0.57 | 0.71 | 0.83 | \ | 0.42 | 0.53 | 0.64 |
| | | kW | 2.89 | 3.00 | 3.32 | 3.68 | 3.53 | 3.54 | 3.55 | 3.69 | 3.97 | 3.98 | 3.98 | 3.97 | \ | 4.59 | 4.58 | 4.58 |
| | 105 | TC | 28.4 | 28.9 | 33.0 | 35.3 | 34.5 | 34.5 | 34.6 | 36.0 | 39.2 | 39.2 | 39.2 | 39.4 | \ | 43.2 | 43.3 | 43.4 |
| | | S/T | 0.82 | 0.99 | 1.00 | 1.00 | 0.60 | 0.76 | 0.92 | 1.00 | 0.43 | 0.58 | 0.72 | 0.85 | \ | 0.42 | 0.54 | 0.65 |
| | | kW | 3.58 | 3.69 | 3.86 | 4.12 | 4.03 | 4.02 | 4.02 | 4.13 | 4.41 | 4.41 | 4.41 | 4.43 | \ | 5.31 | 5.20 | 5.20 |
| | 115 | TC | 25.4 | 26.8 | 29.4 | 32.1 | 30.7 | 30.8 | 30.9 | 32.8 | 33.6 | 33.5 | 33.8 | 34.0 | \ | 35.6 | 35.7 | 35.8 |
| | | S/T | 0.86 | 1.00 | 1.00 | 1.00 | 0.63 | 0.81 | 0.98 | 1.00 | 0.44 | 0.61 | 0.74 | 0.92 | \ | 0.43 | 0.58 | 0.71 |
| | | kW | 3.51 | 3.66 | 3.84 | 4.10 | 3.85 | 3.85 | 3.82 | 4.10 | 4.26 | 4.26 | 4.28 | 4.30 | \ | 4.56 | 4.50 | 4.57 |
| | 120 | TC | 19.2 | 20.2 | 22.2 | 24.3 | 23.2 | 23.2 | 23.3 | 24.7 | 25.4 | 25.3 | 25.5 | 25.6 | \ | 26.9 | 27.0 | 27.1 |
| | | S/T | 0.88 | 1.00 | 1.00 | 1.00 | 0.65 | 0.85 | 0.99 | 1.00 | 0.46 | 0.63 | 0.75 | 0.95 | \ | 0.45 | 0.59 | 0.75 |
| | | kW | 2.71 | 2.81 | 2.95 | 3.24 | 2.97 | 2.97 | 2.94 | 3.23 | 3.28 | 3.28 | 3.30 | 3.31 | \ | 3.51 | 3.39 | 3.44 |
| 1200 | 32 | TC | 35.0 | 35.5 | 40.3 | 43.1 | 42.3 | 42.4 | 42.7 | 44.0 | 49.8 | 49.7 | 49.8 | 50.8 | \ | 53.3 | 53.4 | 53.5 |
| | | S/T | 0.72 | 0.77 | 1.00 | 1.00 | 0.52 | 0.65 | 0.84 | 0.93 | 0.36 | 0.50 | 0.63 | 0.78 | \ | 0.36 | 0.48 | 0.63 |
| | | kW | 1.88 | 1.90 | 2.16 | 2.32 | 2.26 | 2.27 | 2.28 | 2.33 | 2.70 | 2.70 | 2.70 | 2.81 | \ | 3.10 | 3.10 | 3.10 |
| | 65 | TC | 35.1 | 36.2 | 41.2 | 44.0 | 43.1 | 43.3 | 43.5 | 44.9 | 50.8 | 50.7 | 50.8 | 51.0 | \ | 54.4 | 54.5 | 54.6 |
| | | S/T | 0.81 | 0.98 | 1.00 | 1.00 | 0.60 | 0.75 | 0.90 | 1.00 | 0.43 | 0.57 | 0.70 | 0.82 | \ | 0.42 | 0.54 | 0.65 |
| | | kW | 2.12 | 2.13 | 2.42 | 2.61 | 2.54 | 2.55 | 2.56 | 2.62 | 3.04 | 3.04 | 3.03 | 3.15 | \ | 3.48 | 3.48 | 3.48 |
| | 75 | TC | 35.2 | 36.6 | 41.2 | 45.6 | 43.2 | 43.4 | 43.6 | 46.5 | 51.0 | 51.0 | 51.0 | 51.2 | \ | 55.4 | 55.5 | 55.6 |
| | | S/T | 0.83 | 0.99 | 1.00 | 1.00 | 0.60 | 0.76 | 0.92 | 1.00 | 0.43 | 0.58 | 0.71 | 0.84 | \ | 0.42 | 0.54 | 0.66 |
| | | kW | 2.34 | 2.45 | 2.74 | 3.15 | 2.89 | 2.90 | 2.91 | 3.14 | 3.43 | 3.43 | 3.43 | 3.43 | \ | 3.93 | 3.84 | 3.84 |
| | 85 | TC | 34.9 | 35.8 | 40.9 | 45.1 | 42.7 | 42.9 | 43.2 | 45.6 | 50.3 | 50.3 | 50.3 | 50.5 | \ | 54.1 | 54.2 | 54.3 |
| | | S/T | 0.83 | 0.99 | 1.00 | 1.00 | 0.61 | 0.77 | 0.92 | 1.00 | 0.43 | 0.58 | 0.72 | 0.85 | \ | 0.42 | 0.55 | 0.66 |
| | | kW | 2.84 | 2.88 | 3.28 | 3.72 | 3.44 | 3.45 | 3.47 | 3.66 | 4.05 | 4.06 | 4.06 | 4.06 | \ | 4.61 | 4.51 | 4.50 |
| | 95 | TC | 34.7 | 35.5 | 40.5 | 44.0 | 42.1 | 42.3 | 42.5 | 45.0 | 49.2 | 49.2 | 49.2 | 49.4 | \ | 52.5 | 52.6 | 52.7 |
| | | S/T | 0.83 | 0.99 | 1.00 | 1.00 | 0.61 | 0.77 | 0.92 | 1.00 | 0.43 | 0.58 | 0.72 | 0.85 | \ | 0.42 | 0.55 | 0.67 |
| | | kW | 3.46 | 3.51 | 4.00 | 4.46 | 4.17 | 4.19 | 4.20 | 4.47 | 4.90 | 4.91 | 4.90 | 4.91 | \ | 5.48 | 5.46 | 5.46 |
| | 105 | TC | 33.4 | 35.1 | 39.4 | 42.4 | 40.6 | 40.8 | 41.0 | 43.2 | 45.6 | 45.6 | 45.7 | 45.8 | \ | 48.2 | 48.3 | 48.4 |
| | | S/T | 0.85 | 1.00 | 1.00 | 1.00 | 0.61 | 0.78 | 0.94 | 1.00 | 0.43 | 0.59 | 0.74 | 0.88 | \ | 0.42 | 0.56 | 0.69 |
| | | kW | 4.12 | 4.36 | 4.84 | 5.23 | 5.01 | 5.03 | 5.05 | 5.23 | 5.47 | 5.47 | 5.48 | 5.48 | \ | 5.95 | 5.85 | 5.95 |
| | 115 | TC | 27.4 | 29.8 | 33.1 | 34.7 | 31.3 | 31.6 | 33.2 | 35.5 | 35.2 | 35.3 | 35.4 | 35.6 | \ | 37.1 | 37.2 | 37.3 |
| | | S/T | 0.92 | 1.00 | 1.00 | 1.00 | 0.66 | 0.87 | 1.00 | 1.00 | 0.45 | 0.64 | 0.75 | 0.99 | \ | 0.44 | 0.61 | 0.77 |
| | | kW | 3.83 | 4.06 | 4.34 | 4.44 | 4.19 | 4.22 | 4.35 | 4.43 | 4.47 | 4.47 | 4.47 | 4.43 | \ | 4.75 | 4.75 | 4.75 |
| | 120 | TC | 20.7 | 22.5 | 25.0 | 26.2 | 23.7 | 23.9 | 25.1 | 26.8 | 26.6 | 26.6 | 26.7 | 26.9 | \ | 28.0 | 28.1 | 28.2 |
| | | S/T | 0.96 | 1.00 | 1.00 | 1.00 | 0.72 | 0.89 | 1.00 | 1.00 | 0.48 | 0.68 | 0.76 | 0.99 | \ | 0.46 | 0.60 | 0.85 |
| | | kW | 2.95 | 3.12 | 3.35 | 3.42 | 3.23 | 3.25 | 3.35 | 3.41 | 3.44 | 3.44 | 3.44 | 3.41 | \ | 3.66 | 3.66 | 3.66 |
| 1550 | 32 | TC | 37.6 | 39.1 | 43.2 | 47.3 | 44.6 | 44.9 | 45.4 | 48.3 | 52.4 | 52.3 | 52.5 | 53.6 | \ | 57.3 | 57.4 | 57.5 |
| | | S/T | 0.74 | 0.80 | 1.00 | 1.00 | 0.55 | 0.68 | 0.86 | 0.95 | 0.38 | 0.53 | 0.68 | 0.80 | \ | 0.38 | 0.50 | 0.62 |
| | | kW | 2.08 | 2.19 | 2.38 | 2.69 | 2.48 | 2.50 | 2.52 | 2.70 | 2.97 | 2.97 | 2.99 | 3.10 | \ | 3.51 | 3.52 | 3.60 |
| | 65 | TC | 39.6 | 41.2 | 45.5 | 49.8 | 47.0 | 47.3 | 47.7 | 50.9 | 55.1 | 55.1 | 55.3 | 56.4 | \ | 60.3 | 60.4 | 60.5 |
| | | S/T | 0.83 | 0.99 | 1.00 | 1.00 | 0.61 | 0.77 | 0.93 | 1.00 | 0.43 | 0.58 | 0.73 | 0.85 | \ | 0.42 | 0.55 | 0.66 |
| | | kW | 2.45 | 2.57 | 2.80 | 3.16 | 2.92 | 2.94 | 2.96 | 3.18 | 3.50 | 3.50 | 3.51 | 3.65 | \ | 4.13 | 4.14 | 4.24 |
| | 75 | TC | 39.2 | 40.0 | 45.5 | 49.7 | 46.9 | 47.2 | 47.6 | 50.5 | 55.0 | 54.9 | 55.2 | 55.3 | \ | 57.5 | 57.6 | 57.7 |
| | | S/T | 0.83 | 0.99 | 1.00 | 1.00 | 0.61 | 0.77 | 0.93 | 1.00 | 0.43 | 0.58 | 0.72 | 0.86 | \ | 0.42 | 0.55 | 0.67 |
| | | kW | 2.86 | 2.92 | 3.35 | 3.69 | 3.46 | 3.48 | 3.50 | 3.68 | 4.13 | 4.11 | 4.12 | 4.13 | \ | 4.44 | 4.43 | 4.44 |
| | 85 | TC | 39.0 | 40.0 | 45.5 | 49.6 | 46.9 | 47.1 | 47.5 | 50.4 | 54.5 | 54.5 | 54.6 | 54.8 | \ | 57.4 | 57.5 | 57.6 |
| | | S/T | 0.84 | 1.00 | 1.00 | 1.00 | 0.61 | 0.78 | 0.93 | 1.00 | 0.43 | 0.58 | 0.73 | 0.87 | \ | 0.42 | 0.55 | 0.68 |
| | | kW | 3.42 | 3.49 | 3.99 | 4.48 | 4.14 | 4.15 | 4.18 | 4.40 | 4.86 | 4.86 | 4.87 | 4.88 | \ | 5.32 | 5.30 | 5.32 |
| | 95 | TC | 38.6 | 39.9 | 45.4 | 49.3 | 46.5 | 46.7 | 47.4 | 50.3 | 54.2 | 54.3 | 54.4 | 54.7 | \ | 56.5 | 56.6 | 56.7 |
| | | S/T | 0.84 | 1.00 | 1.00 | 1.00 | 0.61 | 0.78 | 0.94 | 1.00 | 0.43 | 0.59 | 0.73 | 0.87 | \ | 0.42 | 0.56 | 0.68 |
| | | kW | 4.03 | 4.20 | 4.76 | 5.32 | 4.91 | 4.93 | 5.05 | 5.33 | 5.84 | 5.83 | 5.84 | 5.84 | \ | 6.20 | 6.30 | 6.29 |
| | 105 | TC | 36.4 | 38.8 | 43.7 | 46.1 | 43.8 | 43.9 | 44.5 | 47.0 | 47.7 | 47.7 | 48.3 | 48.2 | \ | 49.9 | 50.0 | 50.1 |
| | | S/T | 0.87 | 1.00 | 1.00 | 1.00 | 0.62 | 0.80 | 0.97 | 1.00 | 0.44 | 0.61 | 0.73 | 0.92 | \ | 0.43 | 0.58 | 0.73 |
| | | kW | 4.67 | 4.98 | 5.61 | 5.86 | 5.65 | 5.66 | 5.70 | 5.86 | 5.89 | 5.87 | 5.98 | 5.93 | \ | 6.09 | 6.09 | 6.09 |
| | 115 | TC | 28.2 | 31.4 | 35.0 | 37.7 | 32.2 | 32.6 | 35.0 | 38.6 | 36.6 | 36.9 | 37.1 | 38.5 | \ | 40.7 | 40.9 | 41.1 |
| | | S/T | 0.96 | 1.00 | 1.00 | 1.00 | 0.68 | 0.92 | 1.00 | 1.00 | 0.45 | 0.66 | 0.73 | 1.00 | \ | 0.45 | 0.64 | 0.82 |
| | | kW | 4.04 | 4.32 | 4.64 | 4.95 | 4.40 | 4.43 | 4.64 | 4.95 | 4.79 | 4.81 | 4.81 | 4.94 | \ | 5.07 | 5.07 | 5.07 |
| | 120 | TC | 21.3 | 23.7 | 26.4 | 28.5 | 24.3 | 24.6 | 26.4 | 29.1 | 27.7 | 27.8 | 28.0 | 29.1 | \ | 30.7 | 30.9 | 31.0 |
| | | S/T | 0.98 | 1.00 | 1.00 | 1.00 | 0.76 | 0.94 | 1.00 | 1.00 | 0.50 | 0.71 | 0.78 | 1.00 | \ | 0.48 | 0.68 | 0.90 |
| | | kW | 3.11 | 3.33 | 3.57 | 3.81 | 3.39 | 3.41 | 3.57 | 3.81 | 3.69 | 3.70 | 3.71 | 3.80 | \ | 3.90 | 3.90 | 3.90 |

*Table 6*

*TC: refers to total capacity, in kBtu/h S/T: refers to the ratio of sensible heat and total capacity kW: refers to total input power*

| PL5E60 for Cooling | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Indoor Airflow - SCFM | Outdoor DB - °F | IWB - °F | 59 | | | | 63 | | | | 67 | | | | 71 | | | |
| | | IDB - °F | 70 | 75 | 80 | 85 | 70 | 75 | 80 | 85 | 70 | 75 | 80 | 85 | 70 | 75 | 80 | 85 |
| 1720 | 32 | TC | 40.4 | 42.2 | 47.8 | 52.0 | 48.8 | 49.1 | 50.1 | 53.1 | 57.6 | 57.6 | 57.8 | 58.1 | \ | 61.3 | 61.4 | 61.5 |
| | | S/T | 0.76 | 0.82 | 1.00 | 1.00 | 0.58 | 0.72 | 0.90 | 0.97 | 0.41 | 0.55 | 0.70 | 0.83 | \ | 0.40 | 0.53 | 0.65 |
| | | kW | 2.20 | 2.29 | 2.60 | 2.95 | 2.69 | 2.70 | 2.78 | 2.95 | 3.31 | 3.31 | 3.32 | 3.34 | \ | 3.66 | 3.65 | 3.67 |
| | 65 | TC | 41.3 | 43.2 | 49.2 | 53.6 | 49.8 | 50.1 | 51.2 | 54.8 | 59.4 | 59.4 | 59.6 | 59.8 | \ | 62.6 | 62.7 | 62.8 |
| | | S/T | 0.84 | 1.00 | 1.00 | 1.00 | 0.61 | 0.78 | 0.94 | 1.00 | 0.43 | 0.58 | 0.73 | 0.87 | \ | 0.42 | 0.55 | 0.68 |
| | | kW | 2.74 | 2.86 | 3.25 | 3.69 | 3.36 | 3.37 | 3.48 | 3.68 | 4.13 | 4.14 | 4.15 | 4.17 | \ | 4.58 | 4.57 | 4.59 |
| | 75 | TC | 41.1 | 43.1 | 49.1 | 53.5 | 49.6 | 49.9 | 51.0 | 54.6 | 59.3 | 59.2 | 59.5 | 59.7 | \ | 61.4 | 61.5 | 61.6 |
| | | S/T | 0.85 | 1.00 | 1.00 | 1.00 | 0.61 | 0.79 | 0.94 | 1.00 | 0.43 | 0.58 | 0.73 | 0.87 | \ | 0.42 | 0.56 | 0.68 |
| | | kW | 3.19 | 3.40 | 3.76 | 4.32 | 3.87 | 3.89 | 4.00 | 4.32 | 4.82 | 4.80 | 4.82 | 4.84 | \ | 5.14 | 5.03 | 5.03 |
| | 85 | TC | 41.0 | 43.1 | 49.0 | 53.4 | 49.3 | 49.6 | 50.8 | 54.6 | 58.4 | 58.5 | 58.7 | 58.8 | \ | 60.5 | 60.6 | 60.7 |
| | | S/T | 0.85 | 1.00 | 1.00 | 1.00 | 0.62 | 0.79 | 0.95 | 1.00 | 0.43 | 0.59 | 0.73 | 0.88 | \ | 0.42 | 0.56 | 0.69 |
| | | kW | 3.76 | 3.94 | 4.51 | 5.12 | 4.57 | 4.58 | 4.74 | 5.12 | 5.56 | 5.58 | 5.58 | 5.58 | \ | 5.94 | 5.81 | 5.81 |
| | 95 | TC | 40.6 | 42.5 | 48.4 | 53.1 | 49.0 | 49.2 | 49.8 | 54.3 | 56.9 | 56.9 | 57.0 | 57.3 | \ | 58.9 | 59.0 | 59.1 |
| | | S/T | 0.86 | 1.00 | 1.00 | 1.00 | 0.62 | 0.80 | 0.96 | 1.00 | 0.43 | 0.60 | 0.73 | 0.89 | \ | 0.42 | 0.57 | 0.71 |
| | | kW | 4.41 | 4.57 | 5.29 | 6.04 | 5.40 | 5.43 | 5.48 | 6.05 | 6.32 | 6.32 | 6.33 | 6.35 | \ | 6.45 | 6.31 | 6.31 |
| | 105 | TC | 38.3 | 41.1 | 45.5 | 47.7 | 44.4 | 44.5 | 45.7 | 48.7 | 48.7 | 48.8 | 49.0 | 49.4 | \ | 52.7 | 52.9 | 52.9 |
| | | S/T | 0.89 | 1.00 | 1.00 | 1.00 | 0.64 | 0.84 | 0.99 | 1.00 | 0.44 | 0.62 | 0.73 | 0.96 | \ | 0.43 | 0.60 | 0.76 |
| | | kW | 5.10 | 5.44 | 5.95 | 6.13 | 5.81 | 5.82 | 5.96 | 6.13 | 6.15 | 6.14 | 6.16 | 6.17 | \ | 6.33 | 6.33 | 6.32 |
| | 115 | TC | 29.0 | 32.6 | 36.4 | 38.4 | 33.0 | 33.3 | 36.4 | 39.2 | 37.0 | 37.2 | 37.7 | 39.2 | \ | 40.8 | 41.1 | 41.2 |
| | | S/T | 0.99 | 1.00 | 1.00 | 1.00 | 0.70 | 0.95 | 1.00 | 1.00 | 0.46 | 0.69 | 0.73 | 1.00 | \ | 0.45 | 0.66 | 0.86 |
| | | kW | 4.28 | 4.59 | 4.92 | 5.09 | 4.63 | 4.65 | 4.92 | 5.09 | 4.96 | 4.98 | 5.04 | 5.09 | \ | 5.14 | 5.19 | 5.20 |
| | 120 | TC | 21.9 | 24.6 | 27.5 | 29.0 | 24.9 | 25.2 | 27.5 | 29.6 | 27.9 | 28.1 | 28.5 | 29.6 | \ | 30.9 | 31.0 | 31.1 |
| | | S/T | 0.99 | 1.00 | 1.00 | 1.00 | 0.84 | 0.96 | 1.00 | 1.00 | 0.56 | 0.75 | 0.80 | 1.00 | \ | 0.50 | 0.73 | 0.95 |
| | | kW | 3.30 | 3.54 | 3.79 | 3.92 | 3.57 | 3.58 | 3.79 | 3.92 | 3.82 | 3.83 | 3.88 | 3.92 | \ | 3.96 | 4.00 | 4.00 |
| 2000 | 32 | TC | 41.3 | 43.5 | 49.3 | 54.2 | 49.6 | 50.2 | 51.2 | 55.2 | 58.5 | 58.6 | 58.9 | 59.1 | \ | 65.2 | 65.3 | 65.4 |
| | | S/T | 0.80 | 0.85 | 1.00 | 1.00 | 0.60 | 0.75 | 0.93 | 0.98 | 0.42 | 0.57 | 0.72 | 0.86 | \ | 0.41 | 0.54 | 0.66 |
| | | kW | 2.30 | 2.41 | 2.74 | 3.25 | 2.85 | 2.88 | 2.97 | 3.24 | 3.41 | 3.41 | 3.43 | 3.43 | \ | 3.75 | 3.67 | 3.67 |
| | 65 | TC | 43.5 | 46.0 | 52.5 | 57.2 | 52.2 | 52.8 | 53.9 | 58.3 | 61.9 | 62.0 | 62.2 | 62.6 | \ | 68.6 | 68.7 | 68.8 |
| | | S/T | 0.86 | 1.00 | 1.00 | 1.00 | 0.62 | 0.80 | 0.96 | 1.00 | 0.43 | 0.59 | 0.73 | 0.89 | \ | 0.42 | 0.56 | 0.69 |
| | | kW | 2.87 | 3.02 | 3.42 | 4.06 | 3.56 | 3.60 | 3.71 | 4.05 | 4.26 | 4.27 | 4.29 | 4.29 | \ | 4.68 | 4.58 | 4.59 |
| | 75 | TC | 43.3 | 45.9 | 52.3 | 57.1 | 52.0 | 52.4 | 53.7 | 58.2 | 61.9 | 62.0 | 62.2 | 62.5 | \ | 67.0 | 67.1 | 67.2 |
| | | S/T | 0.86 | 1.00 | 1.00 | 1.00 | 0.62 | 0.80 | 0.96 | 1.00 | 0.43 | 0.59 | 0.73 | 0.89 | \ | 0.42 | 0.57 | 0.70 |
| | | kW | 3.36 | 3.54 | 4.07 | 4.61 | 4.05 | 4.08 | 4.22 | 4.62 | 5.02 | 5.03 | 5.05 | 5.05 | \ | 5.26 | 5.16 | 5.15 |
| | 85 | TC | 43.1 | 45.3 | 52.0 | 57.0 | 51.9 | 52.2 | 53.0 | 58.1 | 60.2 | 60.3 | 60.5 | 60.8 | \ | 64.5 | 64.6 | 64.7 |
| | | S/T | 0.87 | 1.00 | 1.00 | 1.00 | 0.62 | 0.81 | 0.97 | 1.00 | 0.43 | 0.60 | 0.73 | 0.90 | \ | 0.42 | 0.57 | 0.71 |
| | | kW | 3.91 | 4.07 | 4.76 | 5.45 | 4.80 | 4.82 | 4.89 | 5.45 | 5.63 | 5.64 | 5.65 | 5.67 | \ | 5.99 | 5.86 | 5.87 |
| | 95 | TC | 41.9 | 45.0 | 51.4 | 55.2 | 50.2 | 50.5 | 52.0 | 56.3 | 58.2 | 58.3 | 58.4 | 58.6 | \ | 61.2 | 61.3 | 61.4 |
| | | S/T | 0.89 | 1.00 | 1.00 | 1.00 | 0.63 | 0.82 | 0.98 | 1.00 | 0.43 | 0.61 | 0.73 | 0.92 | \ | 0.43 | 0.59 | 0.73 |
| | | kW | 4.71 | 5.04 | 5.81 | 6.15 | 5.69 | 5.71 | 5.91 | 6.40 | 6.65 | 6.65 | 6.65 | 6.66 | \ | 6.75 | 6.75 | 6.76 |
| | 105 | TC | 39.2 | 42.9 | 46.6 | 48.7 | 45.1 | 45.3 | 46.6 | 49.8 | 48.9 | 49.1 | 49.3 | 50.0 | \ | 52.6 | 52.7 | 52.8 |
| | | S/T | 0.91 | 1.00 | 1.00 | 1.00 | 0.65 | 0.87 | 1.00 | 1.00 | 0.44 | 0.64 | 0.73 | 0.99 | \ | 0.44 | 0.62 | 0.79 |
| | | kW | 5.37 | 5.85 | 6.12 | 6.29 | 6.05 | 6.05 | 6.12 | 6.29 | 6.27 | 6.27 | 6.28 | 6.32 | \ | 6.42 | 6.42 | 6.43 |
| | 115 | TC | 29.5 | 33.4 | 37.2 | 39.5 | 33.0 | 34.0 | 37.2 | 40.3 | 37.1 | 37.5 | 37.9 | 39.9 | \ | 40.9 | 41.4 | 41.3 |
| | | S/T | 0.99 | 1.00 | 1.00 | 1.00 | 0.73 | 0.98 | 1.00 | 1.00 | 0.46 | 0.71 | 0.73 | 1.00 | \ | 0.46 | 0.69 | 0.90 |
| | | kW | 4.47 | 4.80 | 5.13 | 5.32 | 4.78 | 4.89 | 5.13 | 5.32 | 5.14 | 5.16 | 5.17 | 5.23 | \ | 5.26 | 5.32 | 5.32 |
| | 120 | TC | 25.1 | 28.4 | 31.7 | 33.6 | 28.0 | 28.9 | 31.6 | 34.3 | 31.6 | 31.9 | 32.2 | 34.0 | \ | 34.5 | 34.8 | 35.1 |
| | | S/T | 0.99 | 1.00 | 1.00 | 1.00 | 0.84 | 0.98 | 1.00 | 1.00 | 0.56 | 0.75 | 0.80 | 1.00 | \ | 0.51 | 0.76 | 0.97 |
| | | kW | 3.44 | 3.69 | 3.95 | 4.10 | 3.68 | 3.77 | 3.95 | 4.10 | 3.96 | 3.97 | 3.98 | 4.03 | \ | 4.05 | 4.10 | 4.22 |

*Table 7*

*TC: refers to total capacity, in kBtu/h S/T: refers to the ratio of sensible heat and total capacity kW: refers to total input power*

## 5.4 PL5E60 for Heating

| PL5E60 for Heating | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Airflow- SCFM | ID - °F | OD - °F | 86 | 72 | 67 | 62 | 57 | 52 | 47 | 42 | 37 | 32 | 27 | 22 | 17 | 12 | 7 | 2 | -4 |
| 1050 | 60 | TC | 53.3 | 53.3 | 53.2 | 53.2 | 52.5 | 52.4 | 52.2 | 51.3 | 49.8 | 46.1 | 48.0 | 45.8 | 40.0 | 42.5 | 38.5 | 35.6 | 30.6 |
| | | kW | 2.46 | 3.09 | 3.28 | 3.56 | 3.75 | 4.07 | 4.25 | 4.30 | 4.32 | 4.23 | 5.18 | 5.03 | 4.89 | 5.72 | 5.62 | 5.43 | 4.9 |
| | 70 | TC | 42.2 | 42.1 | 41.7 | 41.2 | 40.9 | 40.6 | 40.2 | 39.6 | 40.1 | 40.4 | 40.6 | 38.4 | 36.2 | 36.9 | 36.1 | 34.0 | 29.5 |
| | | kW | 2.12 | 2.44 | 2.52 | 2.73 | 2.92 | 3.16 | 3.29 | 3.50 | 3.73 | 4.12 | 4.32 | 4.61 | 4.92 | 5.26 | 5.74 | 5.61 | 5.2 |
| | 75 | TC | 35.9 | 35.5 | 35.1 | 34.9 | 34.7 | 34.6 | 34.3 | 34.1 | 34.7 | 34.6 | 35.3 | 33.6 | 31.4 | 31.9 | 30.6 | 30.3 | 24.8 |
| | | kW | 1.85 | 2.22 | 2.30 | 2.36 | 2.57 | 2.72 | 2.99 | 3.08 | 3.27 | 3.61 | 3.74 | 4.09 | 4.33 | 4.50 | 4.80 | 5.23 | 4.7 |
| | 80 | TC | 31.9 | 30.8 | 29.8 | 29.3 | 29.0 | 28.6 | 28.4 | 28.1 | 29.0 | 28.9 | 30.0 | 29.0 | 26.5 | 26.8 | 25.4 | 25.4 | 20.8 |
| | | kW | 1.66 | 1.92 | 2.01 | 2.09 | 2.26 | 2.35 | 2.50 | 2.60 | 2.85 | 3.14 | 3.25 | 3.53 | 3.72 | 3.83 | 4.02 | 4.30 | 3.9 |
| 1200 | 60 | TC | 61.1 | 60.9 | 59.7 | 59.0 | 58.4 | 58.0 | 57.4 | 54.0 | 50.2 | 46.5 | 49.1 | 46.6 | 40.6 | 43.0 | 39.5 | 35.7 | 30.7 |
| | | kW | 3.16 | 3.91 | 4.06 | 4.32 | 4.69 | 4.72 | 4.75 | 4.56 | 4.40 | 4.30 | 5.29 | 5.15 | 5.04 | 5.88 | 5.73 | 5.52 | 5.0 |
| | 70 | TC | 50.2 | 49.6 | 48.8 | 48.3 | 48.0 | 47.6 | 47.2 | 47.0 | 46.5 | 45.0 | 45.8 | 44.9 | 40.0 | 42.2 | 39.1 | 34.9 | 30.0 |
| | | kW | 2.57 | 2.95 | 3.08 | 3.26 | 3.60 | 3.82 | 3.95 | 4.26 | 4.54 | 4.58 | 5.24 | 5.52 | 5.39 | 6.21 | 6.02 | 5.85 | 5.3 |
| | 75 | TC | 43.1 | 42.2 | 41.8 | 41.2 | 40.8 | 40.0 | 39.8 | 39.5 | 39.8 | 39.2 | 41.9 | 39.3 | 36.5 | 37.8 | 36.5 | 34.9 | 28.6 |
| | | kW | 2.24 | 2.58 | 2.69 | 2.95 | 3.13 | 3.30 | 3.47 | 3.68 | 3.92 | 4.33 | 4.48 | 4.83 | 5.06 | 5.48 | 5.93 | 6.00 | 5.4 |
| | 80 | TC | 37.0 | 36.9 | 35.4 | 35.2 | 35.0 | 34.8 | 34.3 | 33.9 | 33.8 | 33.2 | 35.2 | 34.4 | 31.1 | 31.6 | 30.4 | 30.1 | 24.7 |
| | | kW | 2.01 | 2.22 | 2.29 | 2.42 | 2.66 | 2.80 | 3.02 | 3.19 | 3.37 | 3.72 | 3.90 | 4.17 | 4.37 | 4.53 | 4.84 | 5.16 | 4.6 |
| 1550 | 60 | TC | 63.5 | 63.2 | 62.3 | 61.9 | 61.6 | 61.2 | 58.0 | 54.3 | 50.7 | 46.8 | 50.3 | 46.8 | 40.9 | 43.1 | 39.9 | 35.8 | 30.8 |
| | | kW | 3.75 | 4.61 | 4.73 | 4.96 | 4.85 | 4.81 | 4.76 | 4.57 | 4.43 | 4.31 | 5.35 | 5.26 | 5.08 | 6.02 | 5.77 | 5.56 | 5.0 |
| | 70 | TC | 53.3 | 52.8 | 52.6 | 52.8 | 52.7 | 52.6 | 52.3 | 51.2 | 49.6 | 45.7 | 48.1 | 45.3 | 40.1 | 42.5 | 39.4 | 35.3 | 30.3 |
| | | kW | 2.92 | 3.34 | 3.60 | 3.84 | 4.16 | 4.40 | 4.52 | 4.93 | 4.77 | 4.62 | 5.70 | 5.60 | 5.45 | 6.47 | 6.16 | 5.91 | 5.3 |
| | 75 | TC | 47.0 | 47.5 | 47.0 | 46.4 | 46.3 | 46.0 | 45.6 | 45.2 | 45.1 | 44.8 | 45.9 | 43.9 | 40.0 | 41.9 | 39.1 | 35.2 | 28.9 |
| | | kW | 2.66 | 3.05 | 3.11 | 3.28 | 3.55 | 3.73 | 4.01 | 4.23 | 4.49 | 4.78 | 5.03 | 5.50 | 5.66 | 6.28 | 6.39 | 6.12 | 5.5 |
| | 80 | TC | 40.9 | 40.6 | 40.6 | 40.0 | 39.7 | 39.5 | 39.0 | 38.6 | 38.3 | 38.0 | 38.9 | 38.4 | 34.4 | 35.4 | 34.0 | 33.6 | 27.5 |
| | | kW | 2.33 | 2.52 | 2.62 | 2.75 | 3.12 | 3.24 | 3.42 | 3.62 | 3.76 | 4.15 | 4.35 | 4.70 | 4.86 | 5.16 | 5.55 | 5.90 | 5.3 |
| 1720 | 60 | TC | 67.7 | 66.7 | 64.9 | 63.3 | 62.7 | 61.6 | 58.3 | 54.6 | 51.0 | 47.0 | 50.4 | 47.0 | 40.9 | 43.2 | 40.1 | 36.6 | 31.0 |
| | | kW | 4.30 | 5.24 | 5.21 | 5.05 | 4.93 | 4.88 | 4.77 | 4.59 | 4.46 | 4.35 | 5.39 | 5.31 | 5.13 | 6.08 | 5.85 | 5.62 | 5.1 |
| | 70 | TC | 57.5 | 57.4 | 57.1 | 57.0 | 56.8 | 56.4 | 56.2 | 53.5 | 49.9 | 46.2 | 48.6 | 46.4 | 40.6 | 42.7 | 39.5 | 36.1 | 30.5 |
| | | kW | 3.30 | 3.81 | 4.02 | 4.29 | 4.65 | 4.89 | 4.96 | 4.95 | 4.79 | 4.66 | 5.75 | 5.66 | 5.46 | 6.48 | 6.21 | 5.95 | 5.4 |
| | 75 | TC | 51.0 | 50.5 | 50.3 | 49.9 | 49.8 | 49.7 | 49.5 | 49.0 | 49.0 | 46.0 | 47.2 | 46.0 | 40.2 | 42.1 | 39.1 | 35.9 | 29.4 |
| | | kW | 2.90 | 3.28 | 3.45 | 3.64 | 3.93 | 4.14 | 4.44 | 4.68 | 4.94 | 4.84 | 5.80 | 5.70 | 5.67 | 6.70 | 6.44 | 6.17 | 5.6 |
| | 80 | TC | 44.1 | 43.6 | 43.8 | 43.3 | 42.9 | 42.8 | 42.3 | 42.0 | 41.6 | 41.2 | 43.1 | 40.6 | 37.0 | 38.2 | 36.5 | 35.7 | 29.2 |
| | | kW | 2.57 | 2.81 | 2.90 | 3.14 | 3.44 | 3.58 | 3.75 | 3.96 | 4.17 | 4.60 | 4.73 | 5.05 | 5.33 | 5.69 | 6.07 | 6.35 | 5.7 |
| 2000 | 60 | TC | 70.2 | 68.7 | 66.1 | 64.3 | 63.0 | 61.8 | 58.5 | 54.9 | 51.3 | 47.3 | 51.0 | 47.3 | 42.8 | 45.4 | 43.6 | 39.3 | 34.2 |
| | | kW | 4.85 | 5.37 | 5.28 | 5.09 | 4.96 | 4.91 | 4.80 | 4.62 | 4.50 | 4.41 | 5.48 | 5.33 | 5.20 | 6.13 | 5.91 | 5.69 | 5.1 |
| | 70 | TC | 61.5 | 60.8 | 60.6 | 60.5 | 60.4 | 59.3 | 57.6 | 53.9 | 50.2 | 46.5 | 48.9 | 46.7 | 41.2 | 44.8 | 43.5 | 39.1 | 33.8 |
| | | kW | 3.67 | 4.20 | 4.42 | 4.67 | 5.13 | 5.21 | 4.99 | 4.97 | 4.83 | 4.71 | 5.79 | 5.69 | 5.68 | 6.51 | 6.26 | 6.00 | 5.36 |
| | 75 | TC | 54.1 | 53.8 | 53.4 | 53.0 | 52.9 | 52.5 | 52.5 | 51.2 | 49.7 | 46.1 | 48.2 | 46.5 | 40.9 | 44.6 | 41.1 | 38.1 | 31.3 |
| | | kW | 3.19 | 3.58 | 3.74 | 3.95 | 4.36 | 4.59 | 4.89 | 5.14 | 5.01 | 4.87 | 5.94 | 5.91 | 5.72 | 6.71 | 6.48 | 6.18 | 5.6 |
| | 80 | TC | 46.3 | 46.0 | 45.8 | 45.1 | 44.9 | 44.8 | 44.1 | 43.8 | 43.7 | 43.0 | 44.0 | 43.4 | 40.3 | 42.1 | 40.3 | 37.5 | 30.8 |
| | | kW | 2.78 | 3.07 | 3.25 | 3.40 | 3.70 | 3.85 | 4.14 | 4.28 | 4.50 | 4.95 | 5.15 | 5.46 | 5.91 | 6.20 | 6.58 | 6.43 | 5.8 |

*Table 8*

*TC: refers to total capacity, in kBtu/h kW: refers to total input power*

## 6 Airflow Performance

Airflow performance data is based on cooling performance with a coil and no filter in place. Check the performance table (Table 2) for appropriate unit size selection.

External static pressure should stay within the minimum and maximum limits shown in the table below in order to ensure proper operation of both cooling, heating, and electric heating operation.

For instructions on how to select fan speeds, refer to section “5 Extended Performance Data” on page 8 of this manual.

| Model Size | Motor Speed | | SCFM | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | External Static Pressure - Inches WC [kPa] | | | | | | | | |
| | | | 0 [0] | 0.1 [0.02] | 0.2 [0.05] | 0.3 [0.07] | 0.4 [0.10] | 0.5 [0.12] | 0.6 [0.15] | 0.7 [0.17] | 08 [.20] |
| 3 Ton | 1 | SCFM | 986 | 941 | 891 | 844 | 800 | 747.2 | 689 | / | / |
| | | Watts | 108 | 118 | 128 | 139 | 149 | 159 | 169 | / | / |
| | | Amps | 1.2 | 1.26 | 1.32 | 1.39 | 1.45 | 1.52 | 1.58 | / | / |
| | 2 | SCFM | 1098.7 | 1047.6 | 1003.4 | 965.8 | 931.2 | 897.1 | 864.1 | 814.9 | 745.3 |
| | | Watts | 151 | 165 | 177 | 188 | 199 | 208 | 217 | 228 | 236 |
| | | Amps | 1.47 | 1.56 | 1.65 | 1.72 | 1.8 | 1.86 | 1.92 | 2 | 2.07 |
| | 3 | SCFM | 1239.6 | 1194 | 1150.8 | 1114.9 | 1080.9 | 1048.5 | 1016.1 | 996.3 | 959.4 |
| | | Watts | 204 | 220 | 234 | 248 | 259 | 270 | 281 | 288 | 299 |
| | | Amps | 1.83 | 1.94 | 2.04 | 2.13 | 2.21 | 2.29 | 2.37 | 2.41 | 2.49 |
| | 4 | SCFM | 1378.8 | 1335.2 | 1292.9 | 1256.6 | 1223.9 | 1193.7 | 1164.7 | 1134.7 | 1104.2 |
| | | Watts | 273 | 289 | 305 | 319 | 333 | 345 | 357 | 369 | 379 |
| | | Amps | 2.31 | 2.43 | 2.53 | 2.64 | 2.74 | 2.82 | 2.9 | 2.99 | 3.06 |
| | 5 | SCFM | 1539.3 | 1501.9 | 1459.8 | 1424.4 | 1393.5 | 1363.8 | 1326.8 | 1278.9 | 1231 |
| | | Watts | 370 | 389 | 407 | 425 | 441 | 457 | 463 | 461 | 459 |
| | | Amps | 2.99 | 3.12 | 3.25 | 3.37 | 3.49 | 3.6 | 3.64 | 3.63 | 3.61 |
| 5 Ton | 1 | SCFM | 1442.8 | 1375.6 | 1307.9 | 1245.6 | 1184.3 | 1114.8 | 1044 | / | / |
| | | Watts | 159 | 169 | 179 | 189 | 199 | 210 | 221 | / | / |
| | | Amps | 1.35 | 1.43 | 1.5 | 1.58 | 1.65 | 1.74 | 1.82 | / | / |
| | 2 | SCFM | 1518.7 | 1450.1 | 1384.3 | 1328.4 | 1271.3 | 1216.9 | 1160.7 | / | / |
| | | Watts | 185 | 198 | 211 | 223 | 234 | 244 | 255 | / | / |
| | | Amps | 1.65 | 1.74 | 1.84 | 1.92 | 2 | 2.07 | 2.14 | / | / |
| | 3 | SCFM | 1849 | 1781.7 | 1721.9 | 1664 | 1615 | 1560 | 1513 | 1463 | 1410 |
| | | Watts | 311 | 325 | 340 | 356 | 370 | 382 | 394 | 406 | 418 |
| | | Amps | 2.56 | 2.66 | 2.76 | 2.87 | 2.97 | 3.06 | 3.15 | 3.23 | 3.32 |
| | 4 | SCFM | 2037 | 1980 | 1925 | 1874 | 1829 | 1786 | 1733 | 1685 | 1642 |
| | | Watts | 407 | 425 | 443 | 460 | 477 | 493 | 508 | 523 | 536 |
| | | Amps | 3.25 | 3.37 | 3.5 | 3.62 | 3.74 | 3.85 | 3.95 | 4.05 | 4.14 |
| | 5 | SCFM | 2272 | 2220 | 2166 | 2123 | 2071 | 2020 | 1977 | 1942 | 1881 |
| | | Watts | 564 | 581 | 599 | 617 | 636 | 654 | 671 | 687 | 694 |
| | | Amps | 4.34 | 4.46 | 4.58 | 4.7 | 4.83 | 4.96 | 5.08 | 5.18 | 5.23 |

*Table 9*

*Bold outlined areas represent airflow outside of the required 300-450 cfm/ton range.*

*1 Silent Mode --- low stage speed.*

*2 Factory Default --- low stage speed.*

*3 Silent Mode --- high stage speed. Or High Static Pressure Mode --- low stage speed.*

*4 Factory Default --- high stage speed.*

*5 High Static Pressure Mode --- high stage speed.*

NOTES:

1. This table is only used to select the highest blower speed.
2. The rated airflow of systems without electric heater kits requires between 300 and 450 cubic feet of air per minute [CFM].The rated airflow of systems with electric heater kits requires between 350 and 450 cubic feet of air per minute [CFM].
3. The air distribution system has the greatest effect on airflow. Therefore, the contractor should use only industry-recognized procedures.
4. Duct design and construction should be carefully done. System performance can be lowered dramatically through poor design or workmanship.
5. Air supplier ducts should be located along the perimeter of the conditioned space and properly sized. Improper location or insufficient air flow may cause drafts or noise in the ductwork.
6. Installers should balance the air distribution system to ensure proper quiet airflow to all rooms in the home. An air velocity meter or airflow hood can be used to balance and verify branch and system airflow [CFM].
7. Factory Default maximum static pressure 0.6 in WC. If static pressure exceeds 0.6 in WC please dial code to Tap (5).

Minimum fan speed setting with electric heaters is shown in the table below.

| Circuit with Heater Kit | | | | Fan Speed Setting | | | | |
|---|---|---|---|---|---|---|---|---|
| Model Size | Heater Kit Model | Electric Heat- kW | Stages | 1 | 2 | 3 | 4 | 5 |
| 3 Ton | S1-EHK-05J | 3.8/5 | 1 | × | ✓ | ✓ | ✓ | ✓ |
| | S1-EHK-08J | 5.6/7.5 | 1 | × | ✓ | ✓ | ✓ | ✓ |
| | S1-EHK-10J | 7.5/10 | 1 | × | ✓ | ✓ | ✓ | ✓ |
| | S1-EHK-15J | 11.3/15 | 2 | × | × | ✓ | ✓ | ✓ |
| 5 Ton | S1-EHK-05J | 3.8/5 | 1 | × | × | ✓ | ✓ | ✓ |
| | S1-EHK-08J | 5.6/7.5 | 1 | × | × | ✓ | ✓ | ✓ |
| | S1-EHK-10J | 7.5/10 | 1 | × | × | ✓ | ✓ | ✓ |
| | S1-EHK-15J | 11.3/15 | 2 | × | × | × | ✓ | ✓ |
| | S1-EHK-20J | 15/20 | 2 | × | × | × | ✓ | ✓ |

*Table 10*

*x: Fan Setting not Compliant with Electric Heater Kit.* *✓: Fan Setting Compliant with Electric Heater Kit.*

## 7 Sound Data

| Model Size | Mode | Sound Power Level dB(A) | Full Octave Linear Sound Power Level - dB - Center Frequency - Hz | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 100 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | 10000 |
| 3 Ton | Cooling | 64.2 (Low) | 47.1 | 48.8 | 51.4 | 54.8 | 52.6 | 48.3 | 50.9 | 41.9 | 44.9 |
| | | 79.6 (Rated) | 64.9 | 59.7 | 66.3 | 69.0 | 68.4 | 64.5 | 63.2 | 55.4 | 52.4 |
| | | 79.8 (High) | 64.9 | 59.8 | 66.0 | 69.0 | 68.4 | 65.2 | 62.8 | 56.9 | 54.6 |
| | Heating | 64.7 (Low) | 47.5 | 47.6 | 51.6 | 54.9 | 52.2 | 48.0 | 50.8 | 42.1 | 46.2 |
| | | 80.3 (Rated) | 70.3 | 59.1 | 66.8 | 69.4 | 68.8 | 65.4 | 64.3 | 57.0 | 54.2 |
| | | 80.8 (High) | 73.2 | 59.2 | 66.7 | 69.5 | 69.2 | 65.1 | 65.1 | 56.1 | 53.1 |
| 5 Ton | Cooling | 75.6 (Low) | 69.0 | 58.7 | 58.5 | 64.5 | 64.4 | 61.9 | 58.6 | 54.6 | 54.1 |
| | | 77.7 (Rated) | 66.8 | 54.5 | 59.2 | 63.6 | 63.7 | 66.9 | 71.6 | 61.2 | 58.9 |
| | | 79.1 (High) | 66.6 | 54.4 | 59.2 | 63.8 | 63.7 | 67.4 | 75.4 | 61.3 | 58.9 |
| | Heating | 68.1 (Low) | 50.4 | 50.5 | 54.3 | 57.0 | 57.4 | 54.9 | 51.3 | 46.3 | 46.1 |
| | | 77.2 (Rated) | 67.0 | 55.5 | 60.9 | 67.1 | 66.3 | 65.0 | 66.2 | 54.5 | 53.8 |
| | | 80.9 (High) | 73.1 | 57.0 | 62.4 | 67.1 | 65.6 | 71.0 | 71.2 | 60.7 | 61.4 |

*Table 11 Unit Sound power level*

## 8 Electrical Data

| Model Size | Voltage - Phase - Hertz | Compressors (each) | OD Fan Motors (each) | Supply Blower Motor | Unit Circuit | |
|---|---|---|---|---|---|---|
| | | Rated Load Amps (RLA) - A | Full Load Amps (FLA) - A | Full Load Amps (FLA) - A | Minimum Circuit Amps[1] (MCA) - A | Maximum Fuse[2]/ Breaker[3] Size - A |
| 3 Ton | 208/230-1-60 | 27.5 | 2.1 | 6.0 | 42.5 | 50 |
| 5 Ton | 208/230-1-60 | 17 | 2.1 | 4.3 | 27.7 | 35 |

*Table 12 Electrical Data Without Electric Heat*

| Model Size | Dual Point Heater Circuit Without Unit | | | | | |
|---|---|---|---|---|---|---|
| | Heat Kit Model | Electric Heat @208/240V kW | Stages | Full Load Amps (FLA) @ 208/240V - A | Minimum Circuit Amps[1] (MCA) @ 208/240V- A | Maximum Fuse[2]/ Breaker[3] Size @ 208/240V - A |
| 3 Ton | S1-EHK-05J | 3.8/5 | 1 | 18.1/20.8 | 23/26 | 25/30 |
| | S1-EHK-08J | 5.6/7.5 | 1 | 27.1/31.3 | 34/40 | 35/40 |
| | S1-EHK-10J | 7.5/10 | 1 | 36.1/41.7 | 46/53 | 50/60 |
| | S1-EHK-15J | 11.3/15 | 2 | 54.2/62.5 | 68/79 | 70/80 |
| 5 Ton | S1-EHK-05J | 3.8/5 | 1 | 18.1/20.8 | 23/26 | 25/30 |
| | S1-EHK-08J | 5.6/7.5 | 1 | 27.1/31.3 | 34/40 | 35/40 |
| | S1-EHK-10J | 7.5/10 | 1 | 36.1/41.7 | 46/53 | 50/60 |
| | S1-EHK-15J | 11.3/15 | 2 | 54.2/62.5 | 68/79 | 70/80 |
| | S1-EHK-20J | 15/20 | 2 | 72.2/83.3 | 91/105 | 100/110 |

*Table 13 Electrical Data With Electric Heat*

*1 Minimum Circuit Ampacity.*

*2 Maximum Overcurrent Protection per Standard UL 60335.*

*3 Fuse or HACR circuit breaker size field installed.*

** Max Fuse/Breaker Sizes are for electric heater ONLY (dual point electric heat). DOES NOT include breaker size for the unit.*

Refer to Electric Heat Kit Installation Manual, some heater kits include fuses from the manufacturer.

# 9 Dimensions

## 9.1 3 Ton Model

### 9.1.1 Unit Dimensions

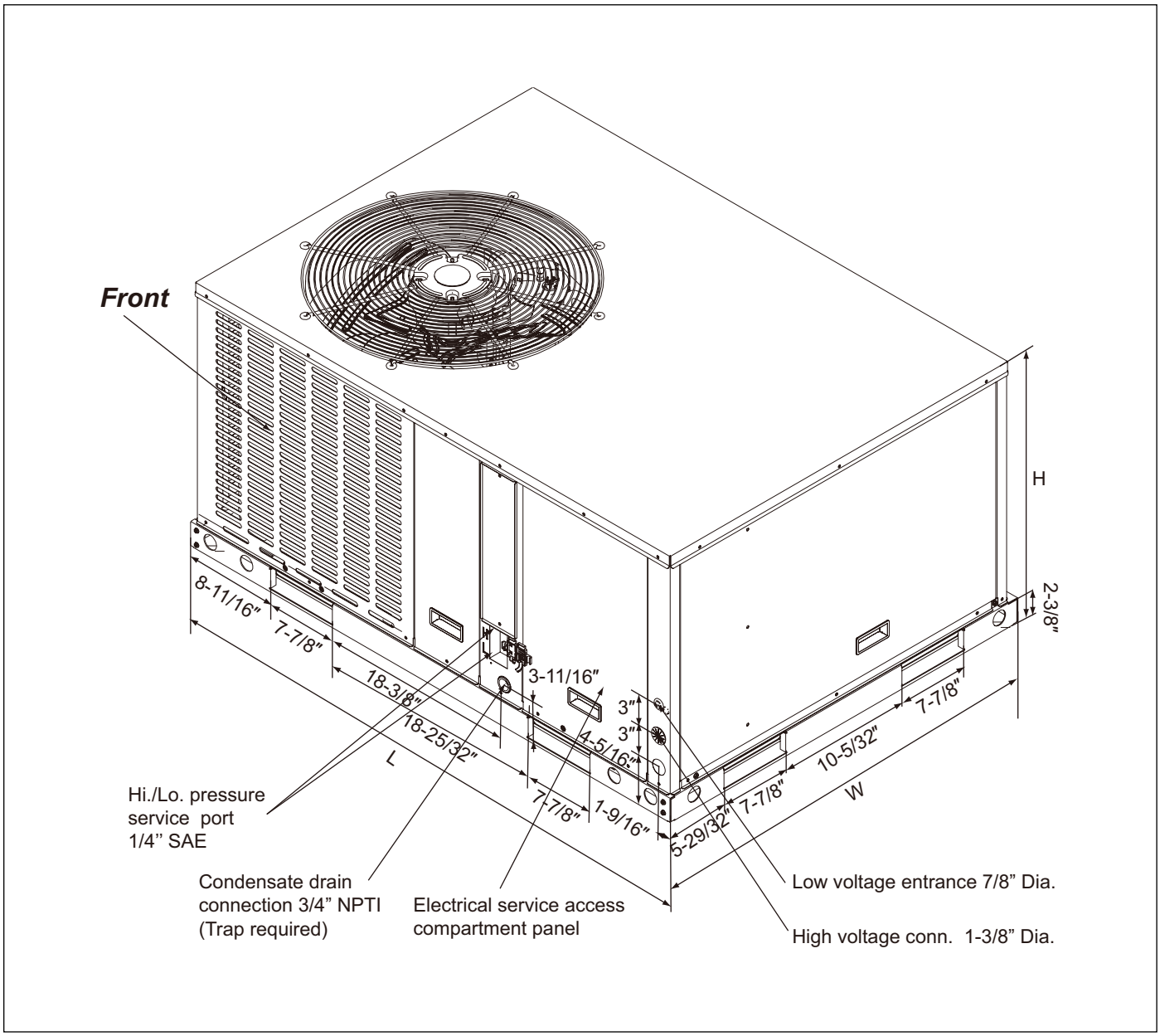



*Figure 2*

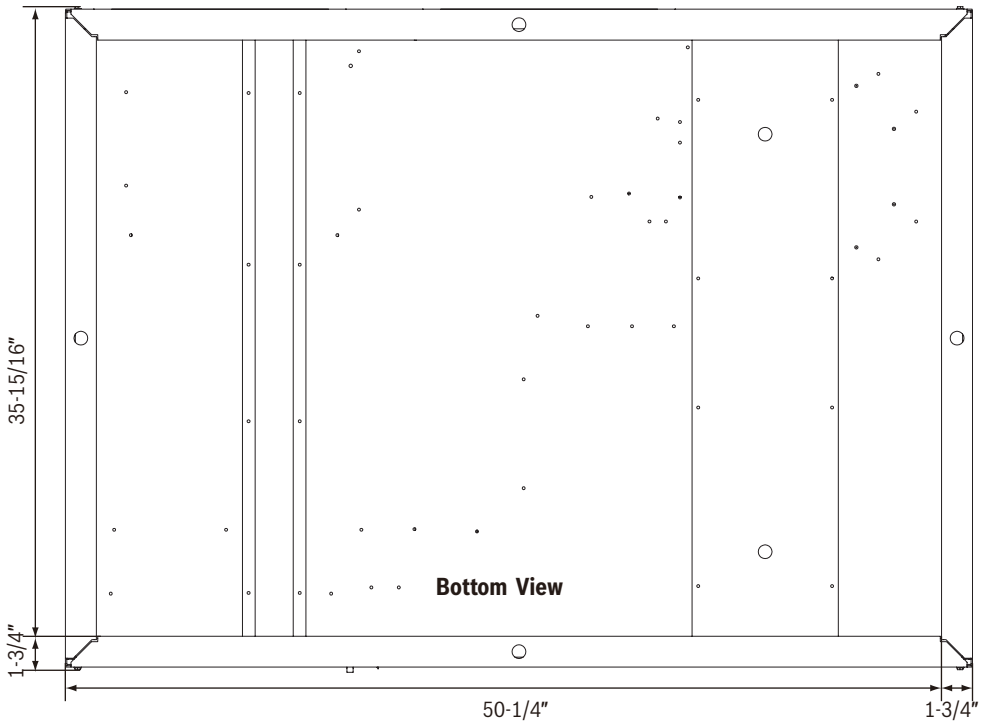
| Model Size | Unit Length "L" - in | Unit Width "W" - in | Unit Height "H" - in |
|---|---|---|---|
| 3 Ton | 52 | 37-3/4 | 24-13/16 |

*Table 14 3 Ton Unit Dimensions*

| Model Size | Net Weight - lb [kg] | Gross Weight - lb [kg] |
|---|---|---|
| 3 Ton | 316 [143] | 322 [146] |

*Table 15 3 Ton Unit Weights*

### 9.1.2 Dimensions - Back and Bottom



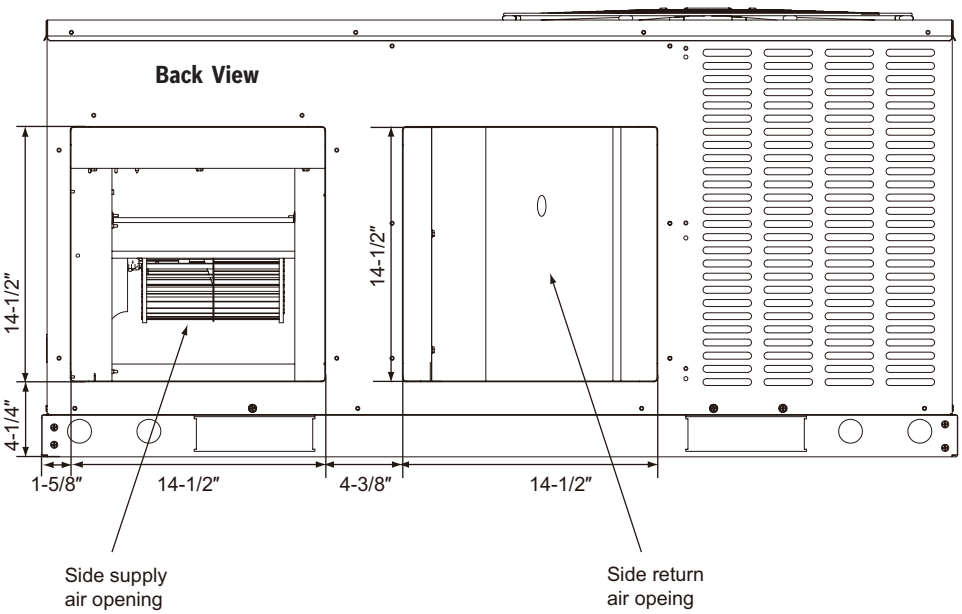




*Figure 3*

### 9.1.3 Dimensions - Left and Top

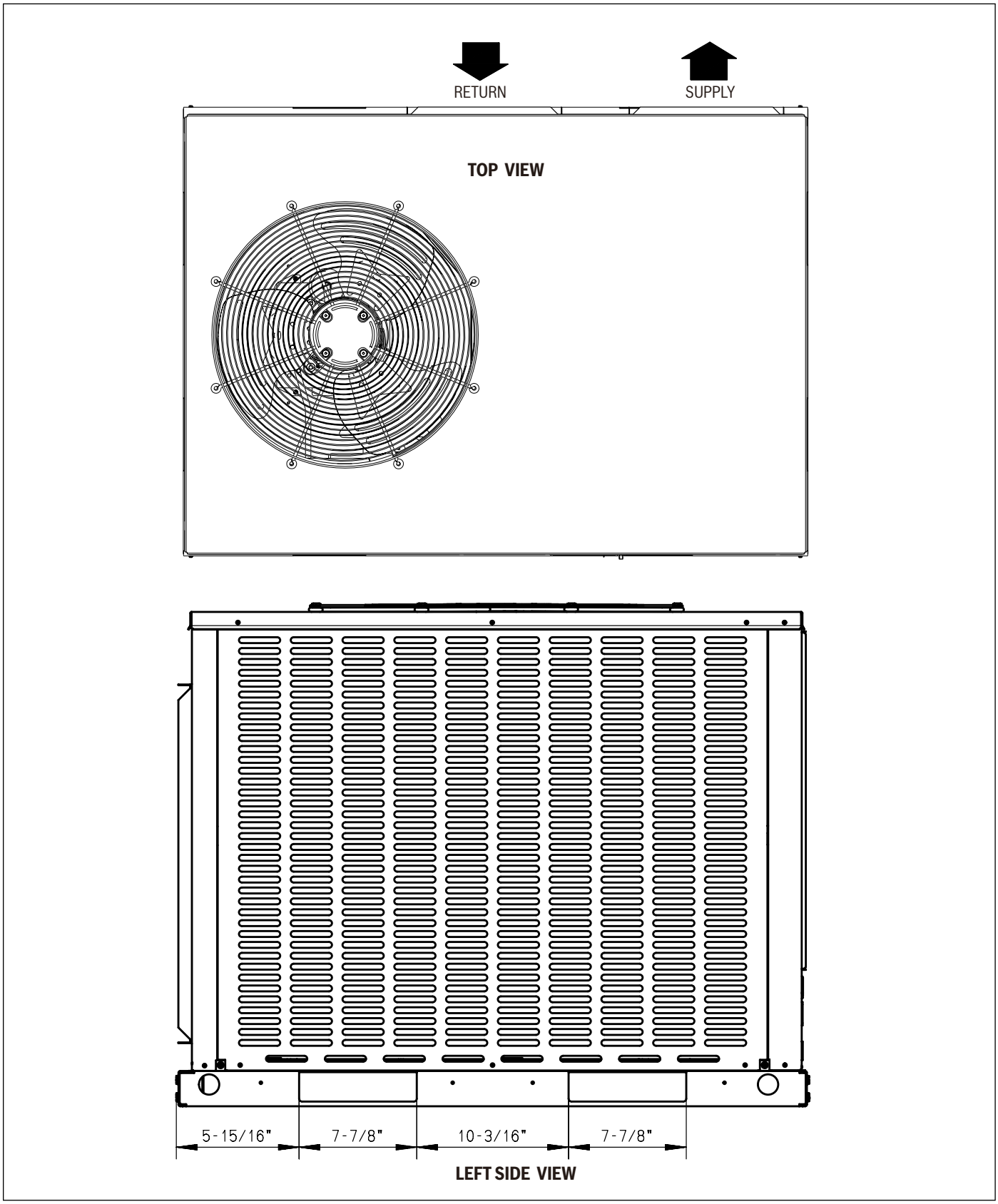



*Figure 4*

## 9.2 5 Ton Model

### 9.2.1 Unit Dimensions

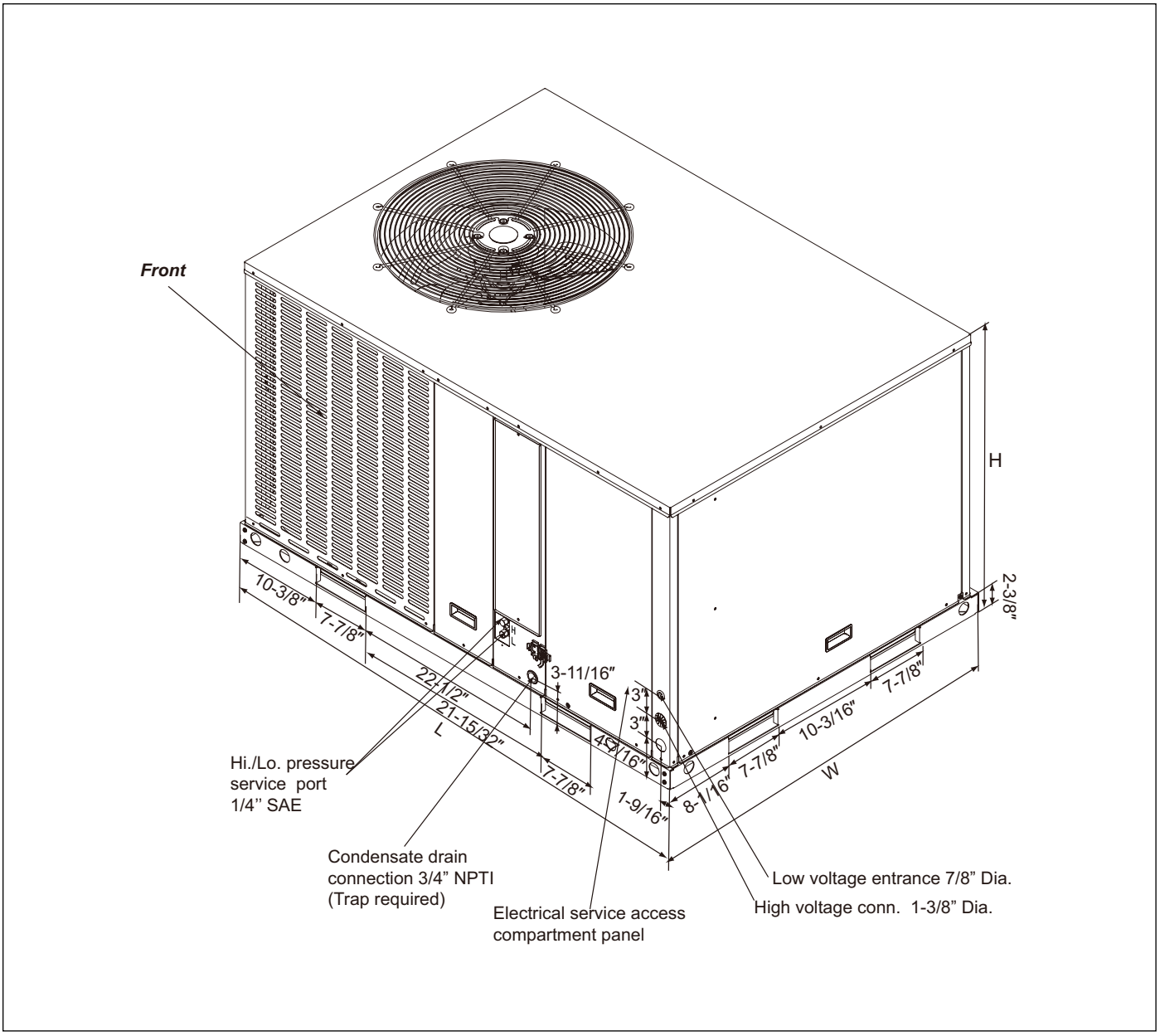



*Figure 5*

| Model Size | Unit Length "L" - in | Unit Width "W" - in | Unit Height "H" - in |
|---|---|---|---|
| 5 Ton | 58-1/2 | 42-1/16 | 33-1/16 |

*Table 16 5 Ton Unit Dimensions*

| Model Size | Net Weight - lb [kg] | Gross Weight - lb [kg] |
|---|---|---|
| 5 Ton | 419 [190] | 428 [194] |

*Table 17 5 Ton Unit Weights*

### 9.2.2 Dimensions - Back and Bottom

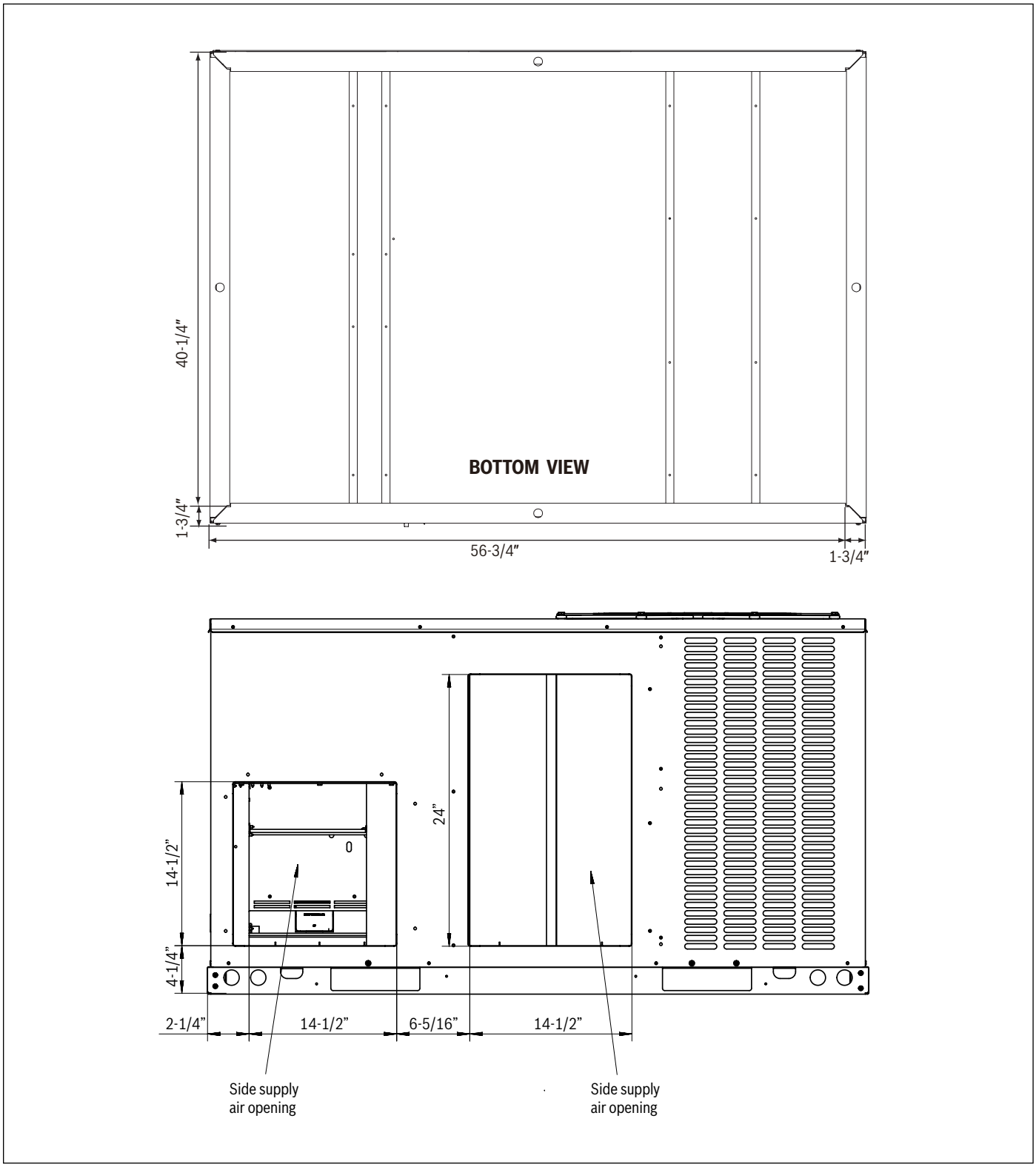



*Figure 6*

### 9.2.3 Dimensions - Left and Top

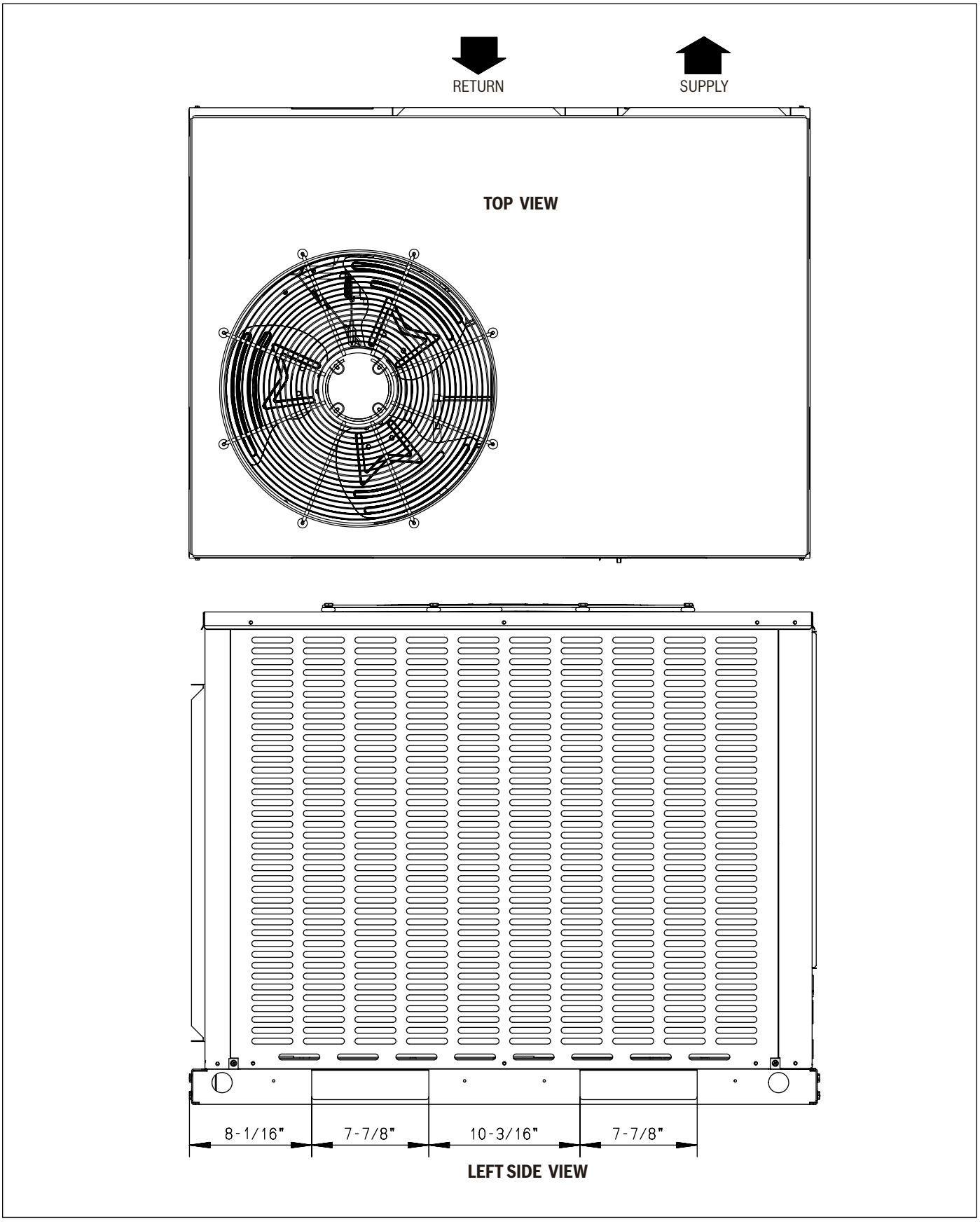



*Figure 7*

**NOTES:**

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**Norman, OK 73069**

**BTC 911008201 A / 05.2026**

**BHC Group Heating & Cooling reserves the right to make changes without notice due to continuing engineering and technological advances.**