



120V Series Air Handler Specifications

ECM BLOWER MOTOR
R-410A TXV INSIDE



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■ Standard Features

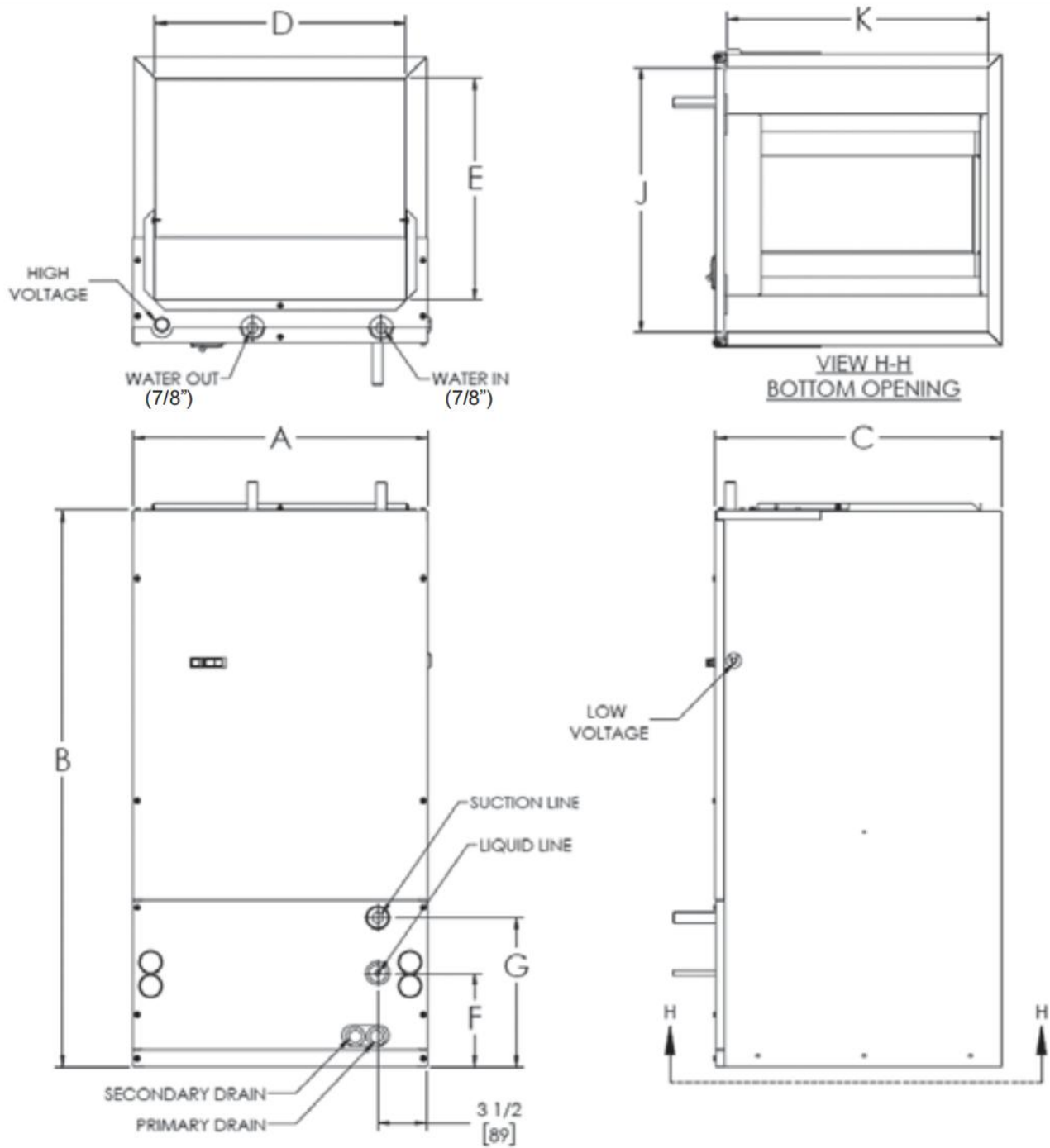
1. Adaptable Design for Any Space - Easily switch between upflow or horizontal right applications (convertible for down-flow or horizontal left).
2. Sealed Cabinet for Improved Efficiency - With less than 2% air leakage (meeting ASHRAE standard 193). Sturdy, fully insulated galvanized steel cabinet with knockout for duct return.
3. Intelligent Motor Control - The constant torque ECM motors are smartly controlled by embedded software, maintaining consistent performance.
4. The electronic board simplifies system operation with fewer moving parts.
5. Enhance your heating experience with our factory-installed modular hydronic heat kits.
6. The high-efficiency DX coil boasts rifled copper tubes and enhanced aluminum fins for maximum heat transfer.
7. The 120V-AHU can be directly replaced with previous 120V indoor units.



1. Nomenclature

| | E | AH | E | T | N | - | 36 | H | A | A |
|----------------------------------------------|----------|-----------|----------|----------|----------|----------|-----------|----------|----------|----------|
| | 1 | 2 | 3 | 4 | 5 | | 6 | 7 | 8 | 9 |
| Brand | | | | | | | | | | |
| E: Ecoer | | | | | | | | | | |
| Product | | | | | | | | | | |
| AH: Air Handler FC: Fan Coil | | | | | | | | | | |
| Power | | | | | | | | | | |
| E: 108/120V-1Ph-60Hz | | | | | | | | | | |
| Metering device | | | | | | | | | | |
| T: TXV E: EEV | | | | | | | | | | |
| Control Method | | | | | | | | | | |
| N: 24V Non-Communicating C: Communicating | | | | | | | | | | |
| Capacity | | | | | | | | | | |
| 24=2Ton 36=3Ton 48=4Ton 60=5Ton | | | | | | | | | | |
| Series | | | | | | | | | | |
| A, B, C etc. | | | | | | | | | | |
| Refrigerant | | | | | | | | | | |
| A: R410A | | | | | | | | | | |
| Revisions | | | | | | | | | | |
| A, B, C etc. | | | | | | | | | | |

2. Dimensions



| Model | Dimensions Inch [mm] | | | | | | | | |
|-------|----------------------|-------------|-------------|-------------|-------------|---------------|---------------|-------------|-------------|
| | "A" in.[mm] | "B" in.[mm] | "C" in.[mm] | "D" in.[mm] | "E" in.[mm] | "F" in.[mm] | "G" in.[mm] | "J" in.[mm] | "K" in.[mm] |
| 36HA | 21" [533] | 42" [1067] | 23" [584] | 18" [457] | 19" [483] | 8-3/4" [222] | 12-3/4" [324] | 18" [457] | 20" [533] |
| 60HA | 21" [533] | 48" [1219] | 28" [711] | 18" [457] | 24" [610] | 11-3/4" [298] | 15-3/4" [400] | 18" [457] | 25" [660] |

3. Product Specifications

| Model Name | EAHATN-36HA | EAHATN-60HA |
|-------------------------------------------|--------------|--------------|
| Capacity ¹ | | |
| Nominal Cooling (BTU/h) | 34000 | 52500 |
| Nominal Heating (BTU/h) | 35000 | 55000 |
| Fan Motor | | |
| Horsepower (HP) | 1/2 | 1 |
| Full Load Ampacity | 5.4 | 9.5 |
| Refrigeration System | | |
| Refrigerant Line Size | | |
| Liquid Line Size (O.D.) | 3/8" | 3/8" |
| Suction Line Size (O.D.) | 3/4" | 7/8" |
| Refrigerant Connection Size | | |
| Liquid Line Size (O.D.) | 3/8" | 3/8" |
| Suction Line Size (O.D.) | 3/4" | 7/8" |
| Metering Device | TXV | TXV |
| Heating Metering Device (ODU side) | EEV | EEV |
| Coil Drain Connection (FPT) | 3/4" | 3/4" |
| Electrical Data | | |
| Voltage-Phase-Hz | 108/120-1-60 | 108/120-1-60 |
| Minimum Circuit Ampacity ² | 6.75 | 11.88 |
| Max. Over-current Protection ³ | 15 | 25 |
| Volts Range | 115-120 | 115-120 |
| Air Filter | | |
| Air Filter Size (in.) ⁴ | 20×20 | 20×25 |
| Piston | | |
| Piston Size (in.) | 0.068 | 0.084 |
| Weight | | |
| Ship Weight (lbs) | 170 | 200 |

REMARKS:

1. Test with Ecoer HP.
2. Wire size should be determined in accordance with National Electrical Codes.
3. Must use time-delay fuses or HACR-type circuit breakers of the same size as noted.
4. Refer to the label on filter cover to install the correct one.

4. Blower Data

Airflow data is based on cooling performance at 120V with no electric heat and no filter. Airflow at 108V is approximately the same as 120V because the multi-tap ECM motor is a constant torque motor. The torque doesn't drop off at the speeds in which the motor operates.

Check the performance table 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 airflow.

| Model | Motor Speed | | External Static* Pressure-[in. wg.] | | | | |
|-------|-------------|-----|-------------------------------------|------|------|------|------|
| | | | 0.1 | 0.2 | 0.3 | 0.4 | 0.5 |
| 36HA | Tap 5 | CFM | 1245 | 1190 | 1130 | 1085 | 1020 |
| | Tap 4 | CFM | 1170 | 1130 | 1085 | 1045 | 1000 |
| | Tap 3 | CFM | 935 | 910 | 865 | 840 | 805 |
| | Tap 2 | CFM | 815 | 785 | 745 | 715 | 685 |
| | Tap 1 | CFM | 685 | 655 | 605 | 580 | 520 |
| 60HA | Tap 5 | CFM | 1950 | 1880 | 1845 | 1805 | 1780 |
| | Tap 4 | CFM | 1765 | 1740 | 1725 | 1685 | 1660 |
| | Tap 3 | CFM | 1500 | 1480 | 1450 | 1415 | 1385 |
| | Tap 2 | CFM | 1245 | 1205 | 1185 | 1150 | 1105 |
| | Tap 1 | CFM | 1010 | 900 | 825 | 765 | 705 |

* Dry coil.

* Shaded boxes represent airflow outside the required 300-450 CFM/ton when full loaded(Y2).

5. Water Heat Kit

| Water Heater Performance Data | Model | Rows | Flow (GPM) | Heating Capacity (BTU/HR) | | | |
|-------------------------------|-------|------|------------|---------------------------|-------|-------|--------|
| | | | | Entering Water Temp | | | |
| | | | | 120 | 140 | 160 | 180 |
| 36HA | 3 | 3.5 | 3.5 | 33185 | 46900 | 59540 | 72180 |
| | | | 5 | 36870 | 52095 | 65800 | 79505 |
| 60HA | 4 | 3.5 | 3.5 | 48200 | 68125 | 83380 | 98640 |
| | | | 5 | 55360 | 78230 | 95070 | 111900 |

6. Performance Sheet

COOLING-3TON

| 3TON SYSTEM-----EODA18H-2436B+EAHETN-36HA | | | | | | | | | | | | | | | | | | |
|-------------------------------------------|---------|---------|------|------|------|------|------|------|------|------|------|------|------|------|----|------|------|------|
| Indoor Airflow (CFM) | Outdoor | IDB(°F) | 70 | 75 | 80 | 85 | 70 | 75 | 80 | 85 | 70 | 75 | 80 | 85 | 70 | 75 | 80 | 85 |
| | DB(°F) | IWB(°F) | 59 | | | | 63 | | | | 67 | | | | 71 | | | |
| 900 | 65 | TC | 23.1 | 23.3 | 23.4 | 23.5 | 28.3 | 28.4 | 28.6 | 28.7 | 33.4 | 33.6 | 33.8 | 34.0 | - | 38.8 | 39.0 | 39.2 |
| | | S/T | 0.63 | 0.77 | 0.85 | 0.92 | 0.50 | 0.63 | 0.74 | 0.83 | 0.39 | 0.52 | 0.64 | 0.73 | - | 0.41 | 0.53 | 0.63 |
| | | kW | 1.18 | 1.19 | 1.20 | 1.21 | 1.51 | 1.52 | 1.53 | 1.54 | 1.87 | 1.88 | 1.90 | 1.91 | - | 2.28 | 2.29 | 2.31 |
| | 75 | TC | 22.5 | 22.7 | 22.8 | 22.9 | 27.5 | 27.7 | 27.9 | 28.0 | 32.6 | 32.7 | 32.9 | 33.1 | - | 37.8 | 38.0 | 38.2 |
| | | S/T | 0.64 | 0.79 | 0.87 | 0.92 | 0.52 | 0.65 | 0.76 | 0.85 | 0.40 | 0.53 | 0.65 | 0.75 | - | 0.42 | 0.54 | 0.65 |
| | | kW | 1.35 | 1.37 | 1.37 | 1.38 | 1.73 | 1.74 | 1.76 | 1.77 | 2.14 | 2.15 | 2.17 | 2.18 | - | 2.60 | 2.62 | 2.64 |
| | 85 | TC | 21.9 | 22.1 | 22.2 | 22.3 | 26.8 | 27.0 | 27.1 | 27.3 | 31.7 | 31.9 | 32.1 | 32.2 | - | 36.8 | 37.0 | 37.2 |
| | | S/T | 0.66 | 0.81 | 0.89 | 0.92 | 0.53 | 0.67 | 0.78 | 0.88 | 0.41 | 0.55 | 0.67 | 0.77 | - | 0.43 | 0.56 | 0.67 |
| | | kW | 1.55 | 1.57 | 1.58 | 1.59 | 1.98 | 2.00 | 2.01 | 2.03 | 2.45 | 2.47 | 2.49 | 2.50 | - | 2.97 | 3.00 | 3.02 |
| | 95 | TC | 21.4 | 21.5 | 21.6 | 21.7 | 26.1 | 26.2 | 26.4 | 26.5 | 30.8 | 31.0 | 31.2 | 31.4 | - | 35.8 | 36.0 | 36.2 |
| | | S/T | 0.68 | 0.83 | 0.92 | 0.92 | 0.55 | 0.68 | 0.80 | 0.90 | 0.42 | 0.56 | 0.69 | 0.80 | - | 0.45 | 0.57 | 0.69 |
| | | kW | 1.83 | 1.84 | 1.85 | 1.86 | 2.32 | 2.33 | 2.35 | 2.36 | 2.85 | 2.88 | 2.90 | 2.93 | - | 3.47 | 3.49 | 3.52 |
| | 105 | TC | 20.8 | 20.9 | 21.0 | 21.1 | 25.4 | 25.5 | 25.6 | 25.8 | 28.8 | 28.9 | 29.1 | 29.2 | - | 32.6 | 32.8 | 33.0 |
| | | S/T | 0.70 | 0.86 | 0.92 | 0.92 | 0.56 | 0.70 | 0.83 | 0.92 | 0.44 | 0.58 | 0.71 | 0.82 | - | 0.46 | 0.59 | 0.71 |
| | | kW | 2.04 | 2.05 | 2.07 | 2.08 | 2.59 | 2.61 | 2.62 | 2.65 | 3.03 | 3.05 | 3.07 | 3.09 | - | 3.55 | 3.58 | 3.61 |
| | 115 | TC | 19.0 | 19.1 | 19.2 | 19.3 | 22.7 | 22.8 | 23.0 | 23.1 | 25.7 | 25.9 | 26.0 | 26.2 | - | 29.2 | 29.4 | 29.6 |
| | | S/T | 0.72 | 0.88 | 0.92 | 0.92 | 0.58 | 0.72 | 0.85 | 0.92 | 0.45 | 0.60 | 0.73 | 0.84 | - | 0.47 | 0.61 | 0.73 |
| | | kW | 2.12 | 2.13 | 2.14 | 2.15 | 2.61 | 2.62 | 2.65 | 2.66 | 3.03 | 3.06 | 3.07 | 3.10 | - | 3.55 | 3.58 | 3.61 |
| 1100 | 65 | TC | 24.6 | 24.7 | 24.8 | 25.0 | 30.0 | 30.2 | 30.4 | 30.5 | 35.5 | 35.7 | 35.9 | 36.1 | - | 41.2 | 41.4 | 41.6 |
| | | S/T | 0.66 | 0.82 | 0.90 | 0.97 | 0.54 | 0.67 | 0.79 | 0.88 | 0.42 | 0.55 | 0.67 | 0.78 | - | 0.44 | 0.56 | 0.67 |
| | | kW | 1.25 | 1.25 | 1.26 | 1.27 | 1.60 | 1.61 | 1.62 | 1.63 | 1.98 | 2.00 | 2.01 | 2.03 | - | 2.42 | 2.43 | 2.45 |
| | 75 | TC | 23.9 | 24.1 | 24.2 | 24.3 | 29.3 | 29.4 | 29.6 | 29.7 | 34.6 | 34.8 | 35.0 | 35.2 | - | 40.1 | 40.3 | 40.6 |
| | | S/T | 0.68 | 0.84 | 0.92 | 0.97 | 0.55 | 0.69 | 0.81 | 0.91 | 0.43 | 0.57 | 0.69 | 0.80 | - | 0.45 | 0.58 | 0.69 |
| | | kW | 1.43 | 1.44 | 1.45 | 1.45 | 1.83 | 1.84 | 1.86 | 1.86 | 2.27 | 2.29 | 2.30 | 2.32 | - | 2.76 | 2.78 | 2.80 |
| | 85 | TC | 23.3 | 23.4 | 23.6 | 23.7 | 28.5 | 28.6 | 28.8 | 29.0 | 33.7 | 33.9 | 34.0 | 34.2 | - | 39.1 | 39.3 | 39.5 |
| | | S/T | 0.70 | 0.86 | 0.95 | 0.97 | 0.56 | 0.71 | 0.83 | 0.93 | 0.44 | 0.58 | 0.71 | 0.82 | - | 0.46 | 0.59 | 0.71 |
| | | kW | 1.64 | 1.65 | 1.66 | 1.67 | 2.10 | 2.11 | 2.13 | 2.15 | 2.60 | 2.62 | 2.63 | 2.65 | - | 3.16 | 3.18 | 3.20 |
| | 95 | TC | 22.7 | 22.8 | 22.9 | 23.1 | 27.7 | 27.9 | 28.0 | 28.2 | 32.8 | 32.9 | 33.1 | 33.3 | - | 36.5 | 36.7 | 36.9 |
| | | S/T | 0.72 | 0.89 | 0.97 | 0.97 | 0.58 | 0.73 | 0.85 | 0.96 | 0.45 | 0.60 | 0.73 | 0.84 | - | 0.47 | 0.61 | 0.73 |
| | | kW | 1.92 | 1.93 | 1.94 | 1.96 | 2.45 | 2.47 | 2.48 | 2.50 | 3.03 | 3.04 | 3.07 | 3.09 | - | 3.49 | 3.51 | 3.54 |
| | 105 | TC | 22.0 | 22.2 | 22.3 | 22.4 | 26.9 | 27.1 | 27.2 | 27.4 | 30.5 | 30.7 | 30.9 | 31.0 | - | 34.7 | 34.9 | 35.1 |
| | | S/T | 0.74 | 0.91 | 0.97 | 0.97 | 0.60 | 0.75 | 0.88 | 0.97 | 0.46 | 0.61 | 0.75 | 0.87 | - | 0.49 | 0.63 | 0.75 |
| | | kW | 2.14 | 2.16 | 2.17 | 2.18 | 2.73 | 2.75 | 2.77 | 2.79 | 3.20 | 3.22 | 3.25 | 3.26 | - | 3.77 | 3.80 | 3.83 |
| | 115 | TC | 19.9 | 20.0 | 20.1 | 20.3 | 23.9 | 24.0 | 24.1 | 24.3 | 27.0 | 27.2 | 27.3 | 27.5 | - | 30.7 | 30.9 | 31.1 |
| | | S/T | 0.76 | 0.94 | 0.97 | 0.97 | 0.61 | 0.77 | 0.90 | 0.97 | 0.48 | 0.63 | 0.77 | 0.89 | - | 0.50 | 0.65 | 0.77 |
| | | kW | 2.19 | 2.20 | 2.21 | 2.24 | 2.72 | 2.73 | 2.75 | 2.77 | 3.16 | 3.19 | 3.20 | 3.23 | - | 3.71 | 3.74 | 3.77 |
| 1200 | 65 | TC | 25.2 | 25.4 | 25.5 | 25.6 | 30.8 | 31.0 | 31.2 | 31.3 | 36.4 | 36.6 | 36.8 | 37.0 | - | 42.3 | 42.5 | 42.7 |
| | | S/T | 0.68 | 0.84 | 0.92 | 1.00 | 0.55 | 0.69 | 0.81 | 0.91 | 0.43 | 0.57 | 0.69 | 0.80 | - | 0.45 | 0.58 | 0.69 |
| | | kW | 1.27 | 1.29 | 1.29 | 1.30 | 1.64 | 1.65 | 1.66 | 1.67 | 2.03 | 2.05 | 2.06 | 2.08 | - | 2.48 | 2.50 | 2.52 |
| | 75 | TC | 24.6 | 24.7 | 24.8 | 25.0 | 30.0 | 30.2 | 30.4 | 30.5 | 35.5 | 35.7 | 35.9 | 36.1 | - | 41.2 | 41.4 | 41.6 |
| | | S/T | 0.70 | 0.86 | 0.95 | 1.00 | 0.56 | 0.71 | 0.83 | 0.93 | 0.44 | 0.58 | 0.71 | 0.82 | - | 0.46 | 0.59 | 0.71 |
| | | kW | 1.46 | 1.47 | 1.48 | 1.49 | 1.87 | 1.89 | 1.90 | 1.91 | 2.33 | 2.34 | 2.36 | 2.38 | - | 2.83 | 2.85 | 2.87 |
| | 85 | TC | 23.9 | 24.1 | 24.2 | 24.3 | 29.2 | 29.4 | 29.6 | 29.7 | 34.6 | 34.8 | 34.9 | 35.1 | - | 40.1 | 40.3 | 40.5 |
| | | S/T | 0.72 | 0.89 | 0.97 | 1.00 | 0.58 | 0.73 | 0.85 | 0.96 | 0.45 | 0.60 | 0.73 | 0.84 | - | 0.47 | 0.61 | 0.73 |
| | | kW | 1.68 | 1.69 | 1.70 | 1.71 | 2.15 | 2.16 | 2.18 | 2.19 | 2.67 | 2.69 | 2.70 | 2.72 | - | 3.24 | 3.26 | 3.28 |
| | 95 | TC | 23.3 | 23.4 | 23.5 | 23.7 | 28.4 | 28.6 | 28.8 | 28.9 | 33.6 | 33.8 | 34.0 | 34.2 | - | 37.5 | 37.7 | 37.9 |
| | | S/T | 0.74 | 0.91 | 1.00 | 1.00 | 0.60 | 0.75 | 0.88 | 0.98 | 0.46 | 0.61 | 0.75 | 0.87 | - | 0.49 | 0.63 | 0.75 |
| | | kW | 1.96 | 1.97 | 1.98 | 2.00 | 2.50 | 2.53 | 2.55 | 2.56 | 3.10 | 3.13 | 3.15 | 3.17 | - | 3.58 | 3.61 | 3.63 |
| | 105 | TC | 22.6 | 22.8 | 22.9 | 23.0 | 27.6 | 27.8 | 28.0 | 28.1 | 31.3 | 31.5 | 31.7 | 31.9 | - | 35.6 | 35.8 | 36.0 |
| | | S/T | 0.76 | 0.94 | 1.00 | 1.00 | 0.61 | 0.77 | 0.90 | 1.00 | 0.48 | 0.63 | 0.77 | 0.89 | - | 0.50 | 0.64 | 0.77 |
| | | kW | 2.19 | 2.21 | 2.22 | 2.24 | 2.79 | 2.82 | 2.84 | 2.86 | 3.27 | 3.30 | 3.33 | 3.35 | - | 3.87 | 3.90 | 3.92 |
| | 115 | TC | 20.4 | 20.6 | 20.7 | 20.8 | 24.5 | 24.6 | 24.8 | 24.9 | 27.8 | 27.9 | 28.1 | 28.2 | - | 31.5 | 31.7 | 31.9 |
| | | S/T | 0.78 | 0.96 | 1.00 | 1.00 | 0.63 | 0.79 | 0.93 | 1.00 | 0.49 | 0.65 | 0.79 | 0.92 | - | 0.51 | 0.66 | 0.79 |
| | | kW | 2.23 | 2.26 | 2.27 | 2.28 | 2.78 | 2.79 | 2.82 | 2.83 | 3.25 | 3.26 | 3.29 | 3.30 | - | 3.80 | 3.83 | 3.86 |

TC: Total capacity (MBH) S/T: Sensible heat ratio

COOLING-5TON

| 5TON SYSTEM-----EODA18H-4860B+EAHETN-60HA | | | | | | | | | | | | | | | | | | |
|-------------------------------------------|---------|---------|------|------|------|------|------|------|------|------|------|------|------|------|----|------|------|------|
| Indoor Airflow (CFM) | Outdoor | IDB(°F) | 70 | 75 | 80 | 85 | 70 | 75 | 80 | 85 | 70 | 75 | 80 | 85 | 70 | 75 | 80 | 85 |
| | DB(°F) | IWB(°F) | 59 | | | | 63 | | | | 67 | | | | 71 | | | |
| 1300 | 65 | TC | 36.6 | 36.8 | 37.0 | 37.2 | 44.7 | 45.0 | 45.2 | 45.5 | 52.8 | 53.1 | 53.4 | 53.7 | - | 61.3 | 61.7 | 62.0 |
| | | S/T | 0.61 | 0.75 | 0.82 | 0.90 | 0.49 | 0.61 | 0.72 | 0.81 | 0.38 | 0.50 | 0.62 | 0.71 | - | 0.40 | 0.51 | 0.62 |
| | | KW | 2.01 | 2.03 | 2.04 | 2.05 | 2.58 | 2.60 | 2.61 | 2.63 | 3.19 | 3.21 | 3.23 | 3.26 | - | 3.88 | 3.91 | 3.94 |
| | 75 | TC | 35.6 | 35.8 | 36.0 | 36.2 | 43.6 | 43.8 | 44.1 | 44.3 | 51.5 | 51.8 | 52.1 | 52.4 | - | 59.7 | 60.1 | 60.4 |
| | | S/T | 0.62 | 0.77 | 0.84 | 0.92 | 0.50 | 0.63 | 0.74 | 0.83 | 0.39 | 0.52 | 0.63 | 0.73 | - | 0.41 | 0.53 | 0.63 |
| | | KW | 2.30 | 2.32 | 2.33 | 2.35 | 2.95 | 2.97 | 2.99 | 3.01 | 3.65 | 3.68 | 3.70 | 3.73 | - | 4.43 | 4.47 | 4.50 |
| | 85 | TC | 34.7 | 34.9 | 35.1 | 35.3 | 42.4 | 42.7 | 42.9 | 43.1 | 50.1 | 50.4 | 50.7 | 51.0 | - | 58.2 | 58.5 | 58.8 |
| | | S/T | 0.64 | 0.79 | 0.87 | 0.94 | 0.52 | 0.65 | 0.76 | 0.85 | 0.40 | 0.53 | 0.65 | 0.75 | - | 0.42 | 0.54 | 0.65 |
| | | KW | 2.65 | 2.67 | 2.68 | 2.70 | 3.38 | 3.41 | 3.43 | 3.45 | 4.17 | 4.21 | 4.24 | 4.27 | - | 5.08 | 5.11 | 5.15 |
| | 95 | TC | 33.8 | 34.0 | 34.2 | 34.3 | 41.3 | 41.5 | 41.7 | 42.0 | 48.8 | 49.1 | 49.3 | 49.6 | - | 56.6 | 56.9 | 57.2 |
| | | S/T | 0.66 | 0.81 | 0.89 | 0.94 | 0.53 | 0.66 | 0.78 | 0.87 | 0.41 | 0.55 | 0.67 | 0.77 | - | 0.43 | 0.56 | 0.67 |
| | | KW | 3.10 | 3.12 | 3.14 | 3.16 | 3.95 | 3.98 | 4.00 | 4.04 | 4.88 | 4.92 | 4.94 | 4.98 | - | 5.91 | 5.95 | 6.00 |
| | 105 | TC | 32.5 | 32.7 | 32.9 | 33.1 | 38.9 | 39.2 | 39.4 | 39.6 | 44.1 | 44.4 | 44.6 | 44.9 | - | 50.1 | 50.4 | 50.7 |
| | | S/T | 0.68 | 0.83 | 0.92 | 0.94 | 0.55 | 0.68 | 0.80 | 0.90 | 0.42 | 0.56 | 0.69 | 0.79 | - | 0.44 | 0.57 | 0.69 |
| | | KW | 3.42 | 3.45 | 3.47 | 3.50 | 4.25 | 4.29 | 4.31 | 4.34 | 4.96 | 5.00 | 5.03 | 5.07 | - | 5.83 | 5.88 | 5.92 |
| | 115 | TC | 30.0 | 30.2 | 30.3 | 30.5 | 35.9 | 36.1 | 36.3 | 36.5 | 40.7 | 40.9 | 41.2 | 41.4 | - | 46.2 | 46.5 | 46.7 |
| | | S/T | 0.70 | 0.86 | 0.94 | 0.94 | 0.56 | 0.70 | 0.83 | 0.93 | 0.44 | 0.58 | 0.71 | 0.82 | - | 0.46 | 0.59 | 0.71 |
| | | KW | 3.59 | 3.62 | 3.63 | 3.66 | 4.44 | 4.47 | 4.50 | 4.53 | 5.17 | 5.20 | 5.25 | 5.28 | - | 6.06 | 6.11 | 6.14 |
| 1500 | 65 | TC | 38.2 | 38.4 | 38.6 | 38.8 | 46.7 | 46.9 | 47.2 | 47.5 | 55.2 | 55.5 | 55.8 | 56.1 | - | 64.0 | 64.4 | 64.7 |
| | | S/T | 0.63 | 0.78 | 0.86 | 0.94 | 0.51 | 0.64 | 0.75 | 0.84 | 0.40 | 0.53 | 0.64 | 0.74 | - | 0.42 | 0.54 | 0.64 |
| | | KW | 2.09 | 2.10 | 2.12 | 2.13 | 2.68 | 2.70 | 2.72 | 2.74 | 3.33 | 3.35 | 3.38 | 3.40 | - | 4.05 | 4.09 | 4.11 |
| | 75 | TC | 37.2 | 37.4 | 37.6 | 37.8 | 45.5 | 45.7 | 46.0 | 46.2 | 53.8 | 54.1 | 54.4 | 54.7 | - | 62.4 | 62.7 | 63.1 |
| | | S/T | 0.65 | 0.80 | 0.88 | 0.97 | 0.52 | 0.66 | 0.77 | 0.86 | 0.41 | 0.54 | 0.66 | 0.76 | - | 0.43 | 0.55 | 0.66 |
| | | KW | 2.39 | 2.41 | 2.42 | 2.44 | 3.07 | 3.09 | 3.11 | 3.13 | 3.81 | 3.83 | 3.86 | 3.89 | - | 4.63 | 4.66 | 4.70 |
| | 85 | TC | 36.2 | 36.4 | 36.6 | 36.8 | 44.3 | 44.5 | 44.8 | 45.0 | 52.3 | 52.6 | 52.9 | 53.2 | - | 60.7 | 61.1 | 61.4 |
| | | S/T | 0.67 | 0.82 | 0.90 | 0.98 | 0.54 | 0.67 | 0.79 | 0.89 | 0.42 | 0.55 | 0.68 | 0.78 | - | 0.44 | 0.57 | 0.68 |
| | | KW | 2.75 | 2.76 | 2.78 | 2.80 | 3.52 | 3.54 | 3.57 | 3.59 | 4.35 | 4.38 | 4.41 | 4.45 | - | 5.29 | 5.34 | 5.37 |
| | 95 | TC | 35.3 | 35.5 | 35.6 | 35.8 | 43.1 | 43.3 | 43.6 | 43.8 | 50.9 | 51.2 | 51.5 | 51.8 | - | 56.7 | 57.0 | 57.4 |
| | | S/T | 0.69 | 0.84 | 0.93 | 0.98 | 0.55 | 0.69 | 0.81 | 0.91 | 0.43 | 0.57 | 0.70 | 0.80 | - | 0.45 | 0.58 | 0.70 |
| | | KW | 3.22 | 3.24 | 3.25 | 3.27 | 4.11 | 4.13 | 4.17 | 4.19 | 5.07 | 5.11 | 5.15 | 5.19 | - | 5.84 | 5.88 | 5.94 |
| | 105 | TC | 34.3 | 34.5 | 34.7 | 34.9 | 41.1 | 41.3 | 41.5 | 41.7 | 46.5 | 46.8 | 47.1 | 47.3 | - | 52.8 | 53.1 | 53.4 |
| | | S/T | 0.71 | 0.87 | 0.96 | 0.98 | 0.57 | 0.71 | 0.84 | 0.94 | 0.44 | 0.59 | 0.72 | 0.83 | - | 0.46 | 0.60 | 0.72 |
| | | KW | 3.60 | 3.62 | 3.65 | 3.67 | 4.48 | 4.51 | 4.53 | 4.56 | 5.23 | 5.27 | 5.31 | 5.34 | - | 6.15 | 6.20 | 6.25 |
| | 115 | TC | 31.0 | 31.1 | 31.3 | 31.5 | 37.1 | 37.3 | 37.5 | 37.7 | 42.0 | 42.3 | 42.5 | 42.8 | - | 47.7 | 48.0 | 48.3 |
| | | S/T | 0.73 | 0.89 | 0.98 | 0.98 | 0.59 | 0.73 | 0.86 | 0.97 | 0.45 | 0.60 | 0.74 | 0.85 | - | 0.48 | 0.62 | 0.74 |
| | | KW | 3.68 | 3.69 | 3.72 | 3.75 | 4.55 | 4.58 | 4.61 | 4.64 | 5.30 | 5.35 | 5.38 | 5.42 | - | 6.22 | 6.27 | 6.32 |
| 1600 | 65 | TC | 38.9 | 39.2 | 39.4 | 39.6 | 47.6 | 47.9 | 48.1 | 48.4 | 56.2 | 56.6 | 56.9 | 57.2 | - | 65.3 | 65.6 | 66.0 |
| | | S/T | 0.65 | 0.80 | 0.88 | 0.96 | 0.52 | 0.65 | 0.77 | 0.86 | 0.40 | 0.54 | 0.66 | 0.76 | - | 0.42 | 0.55 | 0.65 |
| | | KW | 2.12 | 2.14 | 2.16 | 2.17 | 2.73 | 2.75 | 2.77 | 2.79 | 3.39 | 3.42 | 3.44 | 3.47 | - | 4.14 | 4.16 | 4.20 |
| | 75 | TC | 37.9 | 38.2 | 38.4 | 38.6 | 46.4 | 46.6 | 46.9 | 47.2 | 54.8 | 55.1 | 55.4 | 55.7 | - | 63.6 | 63.9 | 64.3 |
| | | S/T | 0.66 | 0.82 | 0.90 | 0.98 | 0.53 | 0.67 | 0.79 | 0.88 | 0.41 | 0.55 | 0.67 | 0.78 | - | 0.44 | 0.56 | 0.67 |
| | | KW | 2.43 | 2.46 | 2.47 | 2.49 | 3.13 | 3.14 | 3.17 | 3.20 | 3.87 | 3.90 | 3.93 | 3.96 | - | 4.72 | 4.75 | 4.79 |
| | 85 | TC | 36.9 | 37.1 | 37.4 | 37.6 | 45.1 | 45.4 | 45.7 | 45.9 | 53.4 | 53.7 | 54.0 | 54.3 | - | 61.9 | 62.3 | 62.6 |
| | | S/T | 0.68 | 0.84 | 0.92 | 1.00 | 0.55 | 0.69 | 0.81 | 0.90 | 0.43 | 0.56 | 0.69 | 0.80 | - | 0.45 | 0.58 | 0.69 |
| | | KW | 2.79 | 2.81 | 2.84 | 2.86 | 3.58 | 3.61 | 3.64 | 3.66 | 4.44 | 4.47 | 4.51 | 4.54 | - | 5.40 | 5.45 | 5.48 |
| | 95 | TC | 35.9 | 36.1 | 36.3 | 36.5 | 43.9 | 44.2 | 44.4 | 44.7 | 51.9 | 52.2 | 52.5 | 52.8 | - | 57.8 | 58.2 | 58.5 |
| | | S/T | 0.70 | 0.86 | 0.95 | 1.00 | 0.56 | 0.71 | 0.83 | 0.93 | 0.44 | 0.58 | 0.71 | 0.82 | - | 0.46 | 0.59 | 0.71 |
| | | KW | 3.26 | 3.29 | 3.31 | 3.33 | 4.18 | 4.21 | 4.24 | 4.27 | 5.17 | 5.21 | 5.25 | 5.29 | - | 5.95 | 6.01 | 6.05 |
| | 105 | TC | 34.9 | 35.1 | 35.3 | 35.5 | 41.9 | 42.1 | 42.3 | 42.6 | 47.4 | 47.7 | 48.0 | 48.2 | - | 53.9 | 54.2 | 54.5 |
| | | S/T | 0.72 | 0.89 | 0.98 | 1.00 | 0.58 | 0.73 | 0.85 | 0.96 | 0.45 | 0.60 | 0.73 | 0.84 | - | 0.47 | 0.61 | 0.73 |
| | | KW | 3.65 | 3.67 | 3.70 | 3.72 | 4.56 | 4.59 | 4.61 | 4.65 | 5.32 | 5.37 | 5.41 | 5.44 | - | 6.28 | 6.33 | 6.37 |
| | 115 | TC | 31.6 | 31.7 | 31.9 | 32.1 | 37.8 | 38.0 | 38.2 | 38.5 | 42.9 | 43.1 | 43.3 | 43.6 | - | 48.7 | 49.0 | 49.2 |
| | | S/T | 0.74 | 0.91 | 1.00 | 1.00 | 0.60 | 0.75 | 0.88 | 0.98 | 0.46 | 0.61 | 0.75 | 0.87 | - | 0.49 | 0.63 | 0.75 |
| | | KW | 3.74 | 3.75 | 3.78 | 3.80 | 4.63 | 4.66 | 4.68 | 4.73 | 5.40 | 5.44 | 5.47 | 5.52 | - | 6.34 | 6.39 | 6.43 |

TC: Total capacity (MBH) S/T: Sensible heat ratio

HEATING-3TON

| 3TON SYSTEM-----EODA18H-2436B+EAHETN-36HA | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------------------|------------|-----------------------------------------|-----------|------------|------------|-----------|------------|------------|-----------|------------|------------|-----------|------------|------------|-----------|------------|------------|-----------|------------|------------|-----------|------------|------------|-----------|------------|
| INDOOR AIR | | OUTDOOR AMBIENT TEMPERATURE(°F) | | | | | | | | | | | | | | | | | | | | | | | |
| | | -4 | | | 7 | | | 17 | | | 27 | | | 37 | | | 47 | | | 57 | | | 67 | | |
| IDB(°F) | CFM | MBh | kw | COP | MBh | kw | COP | MBh | kw | COP | MBh | kw | COP | MBh | kw | COP | MBh | kw | COP | MBh | kw | COP | MBh | kw | COP |
| 65 | 900 | 22.8 | 4.01 | 1.67 | 26.3 | 3.90 | 1.98 | 28.3 | 3.59 | 2.31 | 31.6 | 3.59 | 2.58 | 35.3 | 3.41 | 3.03 | 36.3 | 3.21 | 3.31 | 36.3 | 2.93 | 3.63 | 36.3 | 2.59 | 4.11 |
| | 1100 | 24.2 | 4.27 | 1.66 | 27.9 | 4.16 | 1.97 | 30.0 | 3.83 | 2.30 | 33.5 | 3.82 | 2.57 | 37.5 | 3.63 | 3.03 | 38.6 | 3.42 | 3.31 | 38.6 | 3.12 | 3.63 | 38.6 | 2.76 | 4.10 |
| | 1200 | 24.8 | 4.38 | 1.66 | 28.6 | 4.27 | 1.96 | 30.8 | 3.92 | 2.30 | 34.4 | 3.92 | 2.57 | 38.5 | 3.72 | 3.03 | 39.6 | 3.51 | 3.31 | 39.6 | 3.20 | 3.63 | 39.6 | 2.83 | 4.10 |
| 70 | 900 | 20.1 | 3.46 | 1.70 | 23.2 | 3.37 | 2.02 | 25.0 | 3.10 | 2.36 | 27.9 | 3.10 | 2.64 | 31.2 | 2.94 | 3.11 | 32.1 | 2.78 | 3.38 | 32.1 | 2.53 | 3.72 | 32.1 | 2.24 | 4.20 |
| | 1100 | 21.4 | 3.68 | 1.70 | 24.7 | 3.58 | 2.02 | 26.5 | 3.29 | 2.36 | 29.6 | 3.29 | 2.64 | 33.1 | 3.12 | 3.11 | 34.1 | 2.95 | 3.39 | 34.1 | 2.69 | 3.72 | 34.1 | 2.37 | 4.22 |
| | 1200 | 22.0 | 3.77 | 1.71 | 25.3 | 3.67 | 2.02 | 27.2 | 3.38 | 2.36 | 30.4 | 3.38 | 2.64 | 34.0 | 3.20 | 3.11 | 35.0 | 3.02 | 3.40 | 35.0 | 2.76 | 3.72 | 35.0 | 2.43 | 4.22 |
| 75 | 900 | 17.5 | 2.95 | 1.74 | 20.2 | 2.87 | 2.06 | 21.7 | 2.64 | 2.41 | 24.2 | 2.64 | 2.69 | 27.1 | 2.50 | 3.18 | 27.9 | 2.36 | 3.46 | 27.9 | 2.16 | 3.79 | 27.9 | 1.90 | 4.30 |
| | 1100 | 18.6 | 3.12 | 1.75 | 21.4 | 3.04 | 2.06 | 23.0 | 2.79 | 2.42 | 25.7 | 2.79 | 2.70 | 28.7 | 2.65 | 3.17 | 29.6 | 2.50 | 3.47 | 29.6 | 2.28 | 3.80 | 29.6 | 2.01 | 4.32 |
| | 1200 | 19.1 | 3.19 | 1.75 | 22.0 | 3.11 | 2.07 | 23.6 | 2.86 | 2.42 | 26.4 | 2.86 | 2.71 | 29.5 | 2.71 | 3.19 | 30.4 | 2.56 | 3.48 | 30.4 | 2.34 | 3.81 | 30.4 | 2.06 | 4.33 |

HEATING-5TON

| 5TON SYSTEM-----EODA18H-4860B+EAHETN-60HA | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------------------|------------|-----------------------------------------|-----------|------------|------------|-----------|------------|------------|-----------|------------|------------|-----------|------------|------------|-----------|------------|------------|-----------|------------|------------|-----------|------------|------------|-----------|------------|
| INDOOR AIR | | OUTDOOR AMBIENT TEMPERATURE(°F) | | | | | | | | | | | | | | | | | | | | | | | |
| | | -4 | | | 7 | | | 17 | | | 27 | | | 37 | | | 47 | | | 57 | | | 67 | | |
| IDB(°F) | CFM | MBh | kw | COP | MBh | kw | COP | MBh | kw | COP | MBh | kw | COP | MBh | kw | COP | MBh | kw | COP | MBh | kw | COP | MBh | kw | COP |
| 65 | 1300 | 36.0 | 6.72 | 1.57 | 42.2 | 6.50 | 1.90 | 45.3 | 6.15 | 2.16 | 51.3 | 6.02 | 2.50 | 57.3 | 5.71 | 2.94 | 58.5 | 5.33 | 3.22 | 58.5 | 4.86 | 3.53 | 58.5 | 4.38 | 3.91 |
| | 1500 | 37.6 | 7.00 | 1.57 | 44.0 | 6.78 | 1.90 | 47.3 | 6.41 | 2.16 | 53.6 | 6.28 | 2.50 | 59.9 | 5.95 | 2.95 | 61.0 | 5.56 | 3.22 | 61.0 | 5.07 | 3.53 | 61.0 | 4.57 | 3.91 |
| | 1600 | 38.3 | 7.14 | 1.57 | 44.9 | 6.92 | 1.90 | 48.3 | 6.54 | 2.16 | 54.6 | 6.40 | 2.50 | 61.0 | 6.07 | 2.95 | 62.2 | 5.67 | 3.22 | 62.2 | 5.17 | 3.53 | 62.2 | 4.66 | 3.91 |
| 70 | 1300 | 31.8 | 5.79 | 1.61 | 37.3 | 5.61 | 1.95 | 40.1 | 5.30 | 2.22 | 45.4 | 5.19 | 2.56 | 50.7 | 4.92 | 3.02 | 51.7 | 4.60 | 3.29 | 51.7 | 4.20 | 3.61 | 51.7 | 3.78 | 4.01 |
| | 1500 | 33.2 | 6.03 | 1.61 | 38.9 | 5.84 | 1.95 | 41.8 | 5.52 | 2.22 | 47.4 | 5.41 | 2.57 | 52.9 | 5.13 | 3.02 | 53.9 | 4.79 | 3.30 | 53.9 | 4.37 | 3.61 | 53.9 | 3.93 | 4.02 |
| | 1600 | 33.9 | 6.15 | 1.62 | 39.7 | 5.96 | 1.95 | 42.7 | 5.63 | 2.22 | 48.3 | 5.51 | 2.57 | 53.9 | 5.23 | 3.02 | 55.0 | 4.88 | 3.30 | 55.0 | 4.46 | 3.61 | 55.0 | 4.01 | 4.02 |
| 75 | 1300 | 27.6 | 4.92 | 1.64 | 32.4 | 4.77 | 1.99 | 34.8 | 4.51 | 2.26 | 39.4 | 4.41 | 2.62 | 44.0 | 4.18 | 3.09 | 44.9 | 3.90 | 3.37 | 44.9 | 3.57 | 3.69 | 44.9 | 3.21 | 4.10 |
| | 1500 | 28.9 | 5.12 | 1.65 | 33.8 | 4.95 | 2.00 | 36.3 | 4.68 | 2.27 | 41.1 | 4.58 | 2.63 | 45.9 | 4.35 | 3.09 | 46.8 | 4.06 | 3.38 | 46.8 | 3.71 | 3.70 | 46.8 | 3.34 | 4.11 |
| | 1600 | 29.4 | 5.22 | 1.65 | 34.5 | 5.05 | 2.00 | 37.0 | 4.78 | 2.27 | 41.9 | 4.68 | 2.62 | 46.8 | 4.43 | 3.10 | 47.8 | 4.14 | 3.38 | 47.8 | 3.78 | 3.71 | 47.8 | 3.40 | 4.12 |

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