



SPECIFICATIONS

Ducted & Vertical Systems

| Model Number | | D025 | D050/D050V | D088/D088V | | D200 | |
|--|---------------|--------------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Power Requirements | volt/phase/hz | 115/1/60 | 115/1/60 | 208/1/60 | 230/1/60 | 208/1/60 | 230/1/60 |
| Performance | | | | | | | |
| Nominal Compressor | HP | 0.33 | 0.50 | 1 | 1 | 2.5 | 2.5 |
| Net Cooling Capacity* | | Total/Sensible | Total/Sensible | Total/Sensible | Total/Sensible | Total/Sensible | Total/Sensible |
| @ 60 Deg F condenser inlet air | BTUH | 4520/3050 | 6920/4920 | 10700/7120 | 10830/7500 | 17570/12430 | 17680/12790 |
| @ 70 Deg F condenser inlet air | BTUH | 4300/2915 | 6570/4740 | 9900/6800 | 10250/7160 | 16580/11650 | 16720/12000 |
| @ 80 Deg F condenser inlet air | BTUH | 3760/2715 | 6320/4510 | 9420/6610 | 9600/6850 | 15350/11100 | 15680/11780 |
| @ 90 Deg F condenser inlet air | BTUH | 3540/2580 | 5860/4230 | 8600/6120 | 8760/6210 | 14000/10580 | 15000/10870 |
| @ 110 Deg F condenser inlet air | BTUH | 3260/2400 | 4865/3820 | N/A | N/A | N/A | N/A |
| @ 120 Deg F condenser inlet air | BTUH | 3000/2260 | 4585/3590 | N/A | N/A | N/A | N/A |
| Controls | | | | | | | |
| Type | | Digital electronic | Digital electronic | Digital electronic | | Digital electronic | |
| Temperature Accuracy/RH% Accuracy | | 1F / 10% | 1F / 10% | 1F / 10% | | 1F / 10% | |
| Evaporator Section | | | | | | | |
| Fan Motor Size | Watts | 75 | 100 | 175 | 195 | 160 | 180 |
| Rated Air Flow (free blow) | CFM | 245 | 390 | 435 | 485 | 760 | 810 |
| Rated Air Flow @ pressure loss | CFM | 200 @0.10" wc | 320 @0.20" wc | 370 @0.20" wc | 440 @0.20" wc | 710 @0.35" wc | 745 @0.35" wc |
| Air-cooled Condenser Section | | | | | | | |
| Fan Motor Size | Watts | 75 | 100 | 175 | 195 | 160 | 180 |
| Rated Air Flow (free blow) | CFM | 245 | 390 | 435 | 485 | 760 | 810 |
| Rated Air Flow @ pressure loss | CFM | 200 @0.10" wc | 320 @0.20" wc | 370 @0.20" wc | 440 @0.20" wc | 700 @0.35" wc | 725 @0.35" wc |
| Water-cooled Condenser Section (option) | | | | | | | |
| Water usage at 40 Deg F rise | GPM | 0.30 | 0.60 | 1.20 | | 2.50 | |
| Pressure drop | PSI | 0.40 | 0.40 | 0.08 | | 1.20 | |
| Pipe connection size (in/out) O.D. | Inches | 0.50 | 0.50 | 0.50 | | 0.63 | |
| Heat (Option) | | | | | | | |
| Type | | Electric | Electric | Electric | Electric | Electric | Electric |
| Capacity | Watt/BTUH | 1000/3400 | 1000/3400 | 1635/5582 | 2000/6800 | 1635/5582 | 2000/6800 |
| Humidifier (Option) | | | | | | | |
| Type | | Removable drip pad with integral fan | | | | | |
| Capacity - water temp of 60 Deg F | lbs./hr | 0.42 | | | | | |
| Capacity - water temp of 90 Deg F | lbs./hr | 0.97 | | | | | |
| Capacity - water temp of 100 Deg F | lbs./hr | 1.11 | | | | | |
| Electrical Requirements | | | | | | | |
| Current Draw - Cooling mode | Amps | 7.1 | 11.3 | 9.8 | 8.8 | 15.6 | 14.1 |
| Current Draw - Heating mode | Amps | 9.4 | 9.6 | 8.8 | 9.5 | 8.8 | 9.5 |
| Minimum Circuit amps (heat / no heat) | Amps | 11.6/8.6 | 11.8/13.7 | 10.7/11.8 | 11.7/10.6 | 10.7/19.1 | 11.7/17.2 |
| Optional Low Ambient | Amps | 0.4 | 0.4 | 0.2 | 0.2 | 0.2 | 0.2 |
| Optional High Ambient | Amps | 0.2 | 0 | N/A | N/A | N/A | N/A |
| Optional Humidifier | Amps | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| Cabinet | | | | | | | |
| Construction | | Aluminum | | | | | |
| Finish | | Black - textured epoxy powder coat | | | | | |
| | | | D050 | D050V | D088 | D088V | |
| Weight | lbs. | 80 | 125 | 150 | 130 | 175 | 200 |
| Dimensions (inches) | Width | 33 | 33 | 22 | 33 | 22 | 50 |
| | Depth | 14 | 22 | 22 | 22 | 22 | 22 |
| | Height | 14 | 14 | 29 | 14 | 29 | 18 |
| Condensate Drain connection (ID) | inches | .50" | .50" | .50" | .50" | .50" | .50" |
| | | | | | | | |
| | ETL | UL 1995 / CSA C22.2 | UL 1995 / CSA C22.2 | UL 1995 / CSA C22.2 | UL 1995 / CSA C22.2 | UL 1995 / CSA C22.2 | UL 1995 / CSA C22.2 |

1. Net cooling capacity at entering temperature and humidity conditions of 57 Deg F and 55% RH at rated airflow. Reduce capacity by 3% for each 10% reduction in evaporator airflow.

2. Wine Guardian reserves the right to make changes to this document without prior notice at its sole discretion.

3. All rating at sea level.

4. D200 air flow based on 0.35 inches Wine Guardian external static pressure using 50' of flexible ductwork, grills and collars.

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