

SPECIFICATIONS

Pro Ducted Cooling Units



Sentinel Series

| | | |
|--|---------------|--|
| Model Number | | DP25 |
| Power Requirements | volt/phase/hz | 115/1/60 |
| Performance (57°/55%RH) | | |
| Nominal Compressor | HP | 0.33 |
| Net Cooling Capacity* | | Total/Sensible |
| @60 Deg F condenser inlet air | BTUH | 4520/3050 |
| @70 Deg F condenser inlet air | BTUH | 4300/2915 |
| @80 Deg F condenser inlet air | BTUH | 3760/2715 |
| @90 Deg F condenser inlet air | BTUH | 3540/2580 |
| @110 Deg F condenser inlet air | BTUH | 3260/2400 |
| @120 Deg F condenser inlet air | BTUH | 3000/2260 |
| Performance (80°/50%RH) | | |
| Nominal Compressor | HP | 0.33 |
| Net Cooling Capacity* | | Total/Sensible |
| @60 Deg F condenser inlet air | BTUH | 5980/4000 |
| @70 Deg F condenser inlet air | BTUH | 5570/3780 |
| @80 Deg F condenser inlet air | BTUH | 5080/3660 |
| @90 Deg F condenser inlet air | BTUH | 4425/3500 |
| @110 Deg F condenser inlet air | BTUH | 4070/3000 |
| @120 Deg F condenser inlet air | BTUH | 3780/2840 |
| Controls | | |
| Type | | 24 Volt Control - (Thermostat by Others) |
| Evaporator Section | | |
| Fan Motor Size | Watts | 75 |
| Rated Air Flow (free blow) | CFM | 245 |
| Rated Air Flow @ pressure loss | CFM | 200 @0.10" wc |
| Air-cooled Condenser Section | | |
| Fan Motor Size | Watts | 75 |
| Rated Air Flow (free blow) | CFM | 245 |
| Rated Air Flow @ pressure loss | CFM | 200 @0.10" wc |
| Water-cooled Condenser Section (option) | | |
| Water usage at 40 Deg F rise | GMP | 0.30 |
| Pressure drop | PSI | 0.40 |
| Pipe connection size (in/out) O.D. | Inches | 0.63 |
| Heat | | |
| Type | | Electric |
| Capacity | Watt/BTUH | 1000/3400 |
| 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 |
| Current Draw - Heating mode | Amps | 9.4 |
| Minimum Circuit amps (heat / no heat) | Amps | 11.6/8.6 |
| Optional Low Ambient | Amps | 0.4 |
| Optional High Ambient | Amps | 0.2 |
| Optional Humidifier | Amps | 0.4 |
| Cabinet | | |
| Construction | | Aluminum chassis & UL rated plastic panels |
| Finish | | Gray metal epoxy powder coat/textured PVC acylic blend |
| Weight | lbs. | 80 |
| Dimensions (inches) | Width | 33.45 |
| | Depth | 16.6 |
| | Height | 15.56 |
| Condensate Drain connection (ID) | inches | .50" |
| Agency Approval(s) | ETL | UL 1995/CSA C22.2 |

1. 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.

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