

SPECIFICATIONS
Pro Ducted Split Cooling Units



Sentinel Series

| Model Number | | SP25 | SP50 | SP88 | SP200 |
|--|---|----------------------------|----------------------------|----------------------------|----------------------------|
| Performance (57°/55%RH) | | | | | |
| Net Cooling Capacity* | | Total/Sensible | Total/Sensible | Total/Sensible | Total/Sensible |
| @10 Deg F condenser inlet air | BTUH | 4100/3178 | 5535/4203 | 10763/8610 | N/A |
| @40 Deg F condenser inlet air | BTUH | 3793/3178 | 6458/5023 | 10865/8815 | 17118/11173 |
| @60 Deg F condenser inlet air | BTUH | 3485/3075 | 6765/5330 | 10455/8405 | 17425/11173 |
| @80 Deg F condenser inlet air | BTUH | 3485/3178 | 6458/5023 | 9840/7688 | 15785/10455 |
| @100 Deg F condenser inlet air | BTUH | 3178/2768 | 5740/4510 | 9225/7073 | 14145/9738 |
| @115 Deg F condenser inlet air | BTUH | 2973/2563 | 5125/3793 | 8713/6663 | 12608/8815 |
| Controls | | | | | |
| Type | 24 Volt Control - (Thermostat by others) | | | | |
| Temperature Accuracy/RH% Accuracy | N/A Dependant Upon Controller | | | | |
| Fan Motor Size | Rated Watts | 90 | 115 | 220 | 180 |
| Rated Air Flow (free blow) | CFM | 236 | 410 | 482 | 759 |
| Rated Air Flow @ pressure loss | CFM | 226 @ 0.10"wc | 359 @ 0.20" wc | 457 @ 0.20" wc | 728 CFM @ 0.35" wc |
| Heat | | | | | |
| Type | Electric | | | | |
| Capacity | Watt | 1000 | 1000 | 2000 | 2000 |
| 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 120 Deg F | lbs./hr | 1.11 | | | |
| Electrical Requirements | | | | | |
| Power | volt/phase/hz | 115 Volts/1 phase/60Hz | 115 Volts/1 phase/60Hz | 208-230Volts/1 phase/60Hz | 208-230Volts/1 phase/60Hz |
| Current Draw - Cooling mode | Amps | 0.8 | 0.9 | 0.8 | 0.8 |
| Current Draw - Heating mode | Amps | 9.4 | 9.6 | 9.5 | 9.5 |
| Minimum Circuit Size (w/heater option) | Amps | 11.6 | 11.8 | 11.7 | 11.7 |
| Optional Humidifier | Amps | 0.3 | 0.3 | 0.3 | 0.3 |
| Cabinet | | | | | |
| Construction | Aluminum chassis & UL rated plastic panels | | | | |
| Finish | Gray metal epoxy powder coat/textured PVC acrylic blend plastic | | | | |
| Weight | lbs. | 35 | 54 | 58 | 69 |
| Dimensions - inches | Length | 21.4 | 23.8 | 23.8 | 23.8 |
| | Width | 16.6 | 25.0 | 25.0 | 25.0 |
| | Height | 15.6 | 19.7 | 19.7 | 19.7 |
| Condensate Drain | Inches | 0.5 | 0.5 | 0.5 | 0.5 |
| Condensing Unit | | | | | |
| Nominal Compressor | Amps | 3.1 | 4.8 | 11.3 | 11.3 |
| Fan Motor Size | Watts | 75 | 75 | 150 | 150 |
| Rated Air Flow (free blow) | CFM | 275 | 375 | 420 | 875 |
| Weight | lbs. | 75 | 76 | 96 | 120 |
| Enclosure | | | | | |
| Construction | Aluminum | | | | |
| Finish | Anodized | | | | |
| Dimensions | Length (in) | 12.3 | 12.3 | 12.3 | 12.3 |
| | Width (in) | 34.0 | 34.0 | 34.0 | 34.0 |
| | Height (in) | 26.1 | 26.1 | 26.1 | 26.1 |
| Electrical Requirements | | | | | |
| Power | volt/phase/hz | 208-230 Volts/1 Phase/60Hz | 208-230 Volts/1 Phase/60Hz | 208-230 Volts/1 Phase/60Hz | 208-230 Volts/1 Phase/60Hz |
| MCA | Amps | 4.2 | 6.4 | 14.9 | 24.4 |
| Max brkr | Amps | 7 | 10 | 25 | 35 |
| Agency Approval(s) | ETLc | | ETLc | ETLc | ETLc |

Evaporator Section

Condensing Unit

1. Net cooling capacity at entering temperature and humidity conditions of 57 Deg F (14 Deg C) 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 ratings at sea level.
4. All btuh capacity and airflow (CFM) values shown are at tested 230v applied on 208/230v rated units (Condensing units and larger evaporators). If field application allows 208v applied to the units dual rated, you can generally expect 2.5%-3.0% decreases in values shown.