

SPECIFICATIONS

Ducted Cooling Units



Sentinel Series

| Model Number | | D025 (R134A) | WG40 (R513A) | WG75 (R134A) | WG100 (R134A) | WG175 (R134A) |
|--|---------------|---|----------------|----------------|----------------|----------------|
| Power Requirements | volt/phase/hz | 240/1/50 | 240/1/50 | 240/1/50 | 240/1/50 | 240/1/50 |
| Performance | | | | | | |
| Net Cooling Capacity* | | Total/Sensible | Total/Sensible | Total/Sensible | Total/Sensible | Total/Sensible |
| @21 Deg C condenser inlet air | Watts | 916/850 | 935/755 | 1525 / 1381 | 2197 / 1801 | 4399 / 3589 |
| @27 Deg C condenser inlet air | Watts | 858/831 | 940/760 | 1421 / 1323 | 2059 / 1711 | 4121 / 3432 |
| @32 Deg C condenser inlet air | Watts | 791/791 | 890/735 | 1316 / 1263 | 1946 / 1666 | 3835 / 3276 |
| Controls | | | | | | |
| Type | | Digital electronic | | | | |
| Temperature Accuracy/RH% Accuracy | | 1F / 10% | | | | |
| Evaporator Section | | | | | | |
| Fan Motor Size | Watts | 75 | 75 | 100 | 195 | 240 |
| Rated Air Flow (free blow) | M3/H | 451 | 451 | 706 | 808 | 1051 |
| Rated Air Flow @ pressure loss (8 meter flex duct) | M3/H | 400 | 400 | 635 | 727 | 946 |
| Air-cooled Condenser Section | | | | | | |
| Fan Motor Size | Watts | 75 | 75 | 100 | 195 | 240 |
| Rated Air Flow (free blow) | M3/H | 451 | 451 | 748 | 850 | 1105 |
| Rated Air Flow @ pressure loss (8 meter flex duct) | M3/H | 400 | 400 | 673 | 765 | 995 |
| Water-cooled Condenser Section (option) | | | | | | |
| Water usage at 11 Deg C rise | L/sec | 0.03 | 0.03 | 0.04 | 0.08 | 0.16 |
| Pressure drop | kPa | 1.38 | 1.38 | 2.76 | 5.50 | 8.27 |
| Pipe connection size (In/Out) outside diameter | mm | 12.70 | 12.70 | 12.70 | 12.70 | 15.00 |
| Heat (Option) | | | | | | |
| Type | | Electric | Electric | Electric | Electric | Electric |
| Capacity / temp rise (including fan) | Watts | 1000 / 7.5 | 1000 / 7.5 | 1000 / 5 | 2000 / 6.7 | 2000 / 4.5 |
| Humidifier (Option) | | | | | | |
| Type | | Removable drip pad with integral fan | | | | |
| Capacity - water temp of 16 Deg C | L/Day | 6.00 | | | | |
| Capacity - water temp of 32 Deg C | L/Day | 13.20 | | | | |
| Capacity - water temp of 49 Deg C | L/Day | 19.30 | | | | |
| Electrical Requirements | | | | | | |
| Current Draw - Cooling mode | Amps | 4.8 | 4.8 | 4.9 | 9.5 | 14.2 |
| Current Draw - Heating mode | Amps | 4.4 | 4.4 | 4.4 | 8.7 | 8.7 |
| Minimum Circuit amps (heat / no heat) | Amps | 15 | 15 | 15 | 15 | 15 |
| Optional Low Ambient | Amps | 0.4 | 0.4 | 0.4 | 0.2 | 0.2 |
| Optional Humidifier | Amps | 0.3 | 0.3 | 0.3 | 0.2 | 0.2 |
| Cabinet | | | | | | |
| Construction | | Aluminum chassis & UL Rated plastic panels | | | | |
| Finish | | Gray Metal epoxy powder coat/textured PVC Acrylic blend | | | | |
| Weight | kg | 35.38 | 35.38 | 56.7 | 56.7 | 93.44 |
| Dimensions (cm) | Length | 85 | 85 | 100 | 100 | 100 |
| | Depth | 42.2 | 42.2 | 57 | 57 | 57 |
| | Height | 39.5 | 39.5 | 48 | 48 | 48 |
| Condensate Drain connection (ID) | cm | 1.27 | 1.27 | 1.27 | 1.27 | 1.27 |
| Minimum Ductwork Size | Millimeters | 203.2 | 203.2 | 254 | 254 | 254 |
| Agency approval | ETLc | 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.

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