

SPECIFICATIONS

Pro Ducted Split Cooling Units



Sentinel Series

Model Number		<i>SP25</i>	
Power Requirements		volt/phase/hz	Total/Sensible @208/230V
Performance (57°/55%RH)			
Net Cooling Capacity*			Total/Sensible
@10 Deg F condenser inlet air		BTUH	4100/3178 BTUH
@40 Deg F condenser inlet air		BTUH	3793/3178 BTUH
@60 Deg F condenser inlet air		BTUH	3485/3075 BTUH
@80 Deg F condenser inlet air		BTUH	3485/3178 BTUH
@100 Deg F condenser inlet air		BTUH	3178/2768 BTUH
@115 Deg F condenser inlet air		BTUH	2973/2563 BTUH
Controls			
Type		24 Volt Control - (Thermostat by others)	
Temperature Accuracy/RH% Accuracy		N/A Dependant Upon Controller	
Fan Motor Size		Rated Watts	90 Rated Watts
Rated Air Flow (free blow)		CFM	236 CFM
Rated Air Flow @ pressure loss		CFM	226 @ 0.10"wc / CFM
Heat			
Type		Electric	
Capacity		Watt	1000 Watts
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
Current Draw - Cooling mode		Amps	0.8 Amps
Current Draw - Heating mode		Amps	9.4 Amps
Minimum Circuit Size (w/heat option)		Amps	11.6Amps
Optional Humidifier		Amps	0.3 Amps
Cabinet			
Construction		Aluminum chassis & UL rated plastic panels	
Finish		Gray metal epoxy powder coat/textured PVC acrylic blend plastic	
Weight		lbs.	35
Dimensions - inches		Length	21.43 inches
		Width	16.60 inches
		Height	15.56 inches
Condensate Drain - 1/2" id tubing		inches	0.5 inches
Nominal Compressor		Amps	3.1 Amps
Fan Motor Size		Watts	75 Watts
Rated Air Flow (free blow)		CFM	275 CFM
Weight		lbs.	75 lbs
Enclosure			
Construction		Aluminum	
Finish		Powder-coated	
Dimensions		Length (in)	12.3 inches
		Width (in)	34.0 inches
		Height (in)	26.07 inches
Electrical Requirements			
Power		volt/phase/hz	208/230 Volts/1 Phase/60Hz
MCA		Amps	4.2 Amps
Max brkr		Amps	8.0 Amps
Agency Approval(s)		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.

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