

SPECIFICATIONS

Pro Ducted Split Cooling Units



Sentinel Series

Model Number		SP25	
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.	TBD lbs	
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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