

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	Electric	Electric	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 (wheat 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
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

- 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.
- Wine Guardian reserves the right to make changes to this document without prior notice at its sole discretion.
- All ratings at sea level.
- 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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