

SPECIFICATIONS

Pro Ducted Cooling Units



Sentinel Series

<i>Model Number</i>		<i>DP25</i>	
Power Requirements	volt/phase/hz	115/1/60	
Performance (57°/55%RH)			
Nominal Compressor	HP	0.33	
Net Cooling Capacity*		Total/Sensible	
@60 Deg F condenser inlet air	BTUH	4520/3050	
@70 Deg F condenser inlet air	BTUH	4300/2915	
@80 Deg F condenser inlet air	BTUH	3760/2715	
@90 Deg F condenser inlet air	BTUH	3540/2580	
@110 Deg F condenser inlet air	BTUH	3260/2400	
@120 Deg F condenser inlet air	BTUH	3000/2260	
Performance (80°/50%RH)			
Nominal Compressor	HP	0.33	
Net Cooling Capacity*		Total/Sensible	
@60 Deg F condenser inlet air	BTUH	5980/4000	
@70 Deg F condenser inlet air	BTUH	5570/3780	
@80 Deg F condenser inlet air	BTUH	5080/3660	
@90 Deg F condenser inlet air	BTUH	4425/3500	
@110 Deg F condenser inlet air	BTUH	4070/3000	
@120 Deg F condenser inlet air	BTUH	3780/2840	
Controls			
Type		24 Volt Control - (Thermostat by Others)	
Evaporator Section			
Fan Motor Size	Watts	75	
Rated Air Flow (free blow)	CFM	245	
Rated Air Flow @ pressure loss	CFM	200 @0.10" wc	
Air-cooled Condenser Section			
Fan Motor Size	Watts	75	
Rated Air Flow (free blow)	CFM	245	
Rated Air Flow @ pressure loss	CFM	200 @0.10" wc	
Water-cooled Condenser Section (option)			
Water usage at 40 Deg F rise	GMP	0.30	
Pressure drop	PSI	0.40	
Pipe connection size (in/out) O.D.	Inches	0.50	
Heat			
Type		Electric	
Capacity	Watt/BTUH	1000/3400	
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 100 Deg F	lbs./hr	1.11	
Electrical Requirements			
Current Draw - Cooling mode	Amps	7.1	
Current Draw - Heating mode	Amps	9.4	
Minimum Circuit amps (heat / no heat)	Amps	11.6/8.6	
Optional Low Ambient	Amps	0.4	
Optional High Ambient	Amps	0.2	
Optional Humidifier	Amps	0.4	
Cabinet			
Construction		Aluminum chassis & UL rated plastic panels	
Finish		Gray metal epoxy powder coat/textured PVC acylic blend	
Weight	lbs.	80	
Dimensions (inches)	Width	33.45	
	Depth	16.6	
	Height	15.56	
Condensate Drain connection (ID)	inches	.50"	
Agency Approval(s)	ETL	UL 1995/CSA C22.2	

1. 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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