

SPECIFICATIONS

Pro Ducted Cooling Units



Sentinel Series

Model Number		DP25
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	0.63
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.

Wine Guardian Factory & Headquarters:
7000 Performance Drive | North Syracuse, New York 13212 USA

Wine Guardian European Office:
Pestalozzistrasse 2, CH-8201 Schaffhausen, Switzerland

help.wineguardian.com | info@wineguardian.com
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