

SPECIFICATIONS

Ducted Cooling Units



Sentinel Series

Model Number		D025 (R134A)
Power Requirements	volt/phase/hz	115/1/60
Performance		
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
Controls		
Type		Digital electronic
Temperature Accuracy/RH% Accuracy		1F / 10%
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 20 Deg F rise	GPM	0.50
Pressure drop	PSI	0.20
Pipe connection size (in/out) O.D.	Inches	0.50
Heat (Option)		
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 Acrylic blend
Weight	lbs.	78
Dimensions (inches)	Width	33.45
	Depth	16.6
	Height	15.56
Condensate Drain connection (ID)	inches	.50"
Agency approval	ETLc	UL 1995 / CSA C22.2

1. Net cooling capacity at entering temperature and humidity conditions of 57 Deg F 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 rating at sea level.

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