

SPECIFICATIONS



Ducted & Vertical Systems

Model Number		D025	D050/D050V		D088/D088V		D200
Power Requirements	volt/phase/hz	115/1/60	115/1/60		208/1/60	230/1/60	208/1/60 230/1/60
Performance							
Nominal Compressor	HP	0.33	0.50		1	1	2.5 2.5
Net Cooling Capacity*		Total/Sensible	Total/Sensible		Total/Sensible	Total/Sensible	Total/Sensible
@60 Deg F condenser inlet air	BTUH	4520/3050	6920/4920		10700/7120	10830/7500	17570/12430 17680/12790
@70 Deg F condenser inlet air	BTUH	4300/2915	6570/4740		9900/6800	10250/7160	16580/11650 16720/12000
@80 Deg F condenser inlet air	BTUH	3760/2715	6320/4510		9420/6610	9600/6850	15350/11100 15680/11780
@90 Deg F condenser inlet air	BTUH	3540/2580	5860/4230		8600/6120	8760/6210	14000/10580 15000/10870
@110 Deg F condenser inlet air	BTUH	3260/2400	4865/3820		N/A	N/A	N/A N/A
@120 Deg F condenser inlet air	BTUH	3000/2260	4585/3590		N/A	N/A	N/A N/A
Controls							
Type		Digital electronic	Digital electronic		Digital electronic		Digital electronic
Temperature Accuracy/RH% Accuracy		1F / 10%	1F / 10%		1F / 10%		1F / 10%
Evaporator Section							
Fan Motor Size	Watts	75	100		175	195	160 180
Rated Air Flow (free blow)	CFM	245	390		435	485	760 810
Rated Air Flow @ pressure loss	CFM	200 @0.10" wc	320 @0.20" wc		370 @0.20" wc	440 @0.20" wc	710 @0.35" wc 745 @0.35" wc
Air-cooled Condenser Section							
Fan Motor Size	Watts	75	100		175	195	160 180
Rated Air Flow (free blow)	CFM	245	390		435	485	760 810
Rated Air Flow @ pressure loss	CFM	200 @0.10" wc	320 @0.20" wc		370 @0.20" wc	440 @0.20" wc	700 @0.35" wc 725 @0.35" wc
Water-cooled Condenser Section (option)							
Water usage at 40 Deg F rise	GPM	0.30	0.60		1.20		2.50
Pressure drop	PSI	0.40	0.40		0.80		1.20
Pipe connection size (in/out) O.D.	Inches	0.50	0.50		0.50		0.63
Heat (Option)							
Type		Electric	Electric		Electric	Electric	Electric
Capacity	Watt/BTUH	1000/3400	1000/3400		1635/5582	2000/6800	1635/5582 2000/6800
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	11.3		9.8	8.8	15.6 14.1
Current Draw - Heating mode	Amps	9.4	9.6		8.8	9.5	8.8 9.5
Minimum Circuit amps (heat / no heat)	Amps	11.6/8.6	11.8/13.7		10.7/11.8	11.7/10.6	10.7/19.1 11.7/17.2
Optional Low Ambient	Amps	0.4	0.4		0.2	0.2	0.2 0.2
Optional High Ambient	Amps	0.2	0		N/A	N/A	N/A N/A
Optional Humidifier	Amps	0.4	0.4		0.4	0.4	0.4 0.4
Cabinet							
Construction		Aluminum					
Finish		Black - textured epoxy powder coat					
			D050	D050V	D088	D088V	
Weight	lbs.	80	125	150	130	175	200
Dimensions (inches)	Width	33	33	22	33	22	50
	Depth	14	22	22	22	22	22
	Height	14	14	29	14	29	18
Condensate Drain connection (ID)	inches	.50"	.50"	.50"	.50"	.50"	.50"
	ETL	UL 1995 / CSA C22.2	UL 1995 / CSA C22.2		UL 1995 / CSA C22.2		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.

4. D200 air flow based on 0.35 inches Wine Guardian external static pressure using 50' of flexible ductwork, grills and collars.

Rev 01/20