WINE GUARDIAN®

SPECIFICATIONS

DUCTED SYSTEMS

Model Number		D025	D050	D088		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	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	GMP	0.30	0.60	1.20		2.50	
Pressure drop	PSI	0.40	0.40	0.08		1.20	
Pipe connection size (in/out) O.D.	Inches	0.50	0.63	0.50		0.63	
Heat (Option)							
Type		Electric	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					
Weight	lbs.	80	125	130		200	
Dimensions (inches)	Width	33	33	33		50	
	Depth	14	22	22		22	
	Height	14	14	14		18	
Condensate Drain connection (ID)	inches	.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. 10-2014

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