WINE GUARDIAN™

Wine Guardian Specifications

Model Number		24S025	24S050	24S088	24S200
Performance					
Nominal Tonnage	Ton	1/4	1/2	1	2
Nominal Compressor	HP	1/3	1/2	1	2.5
Net Cooling Capacity*					
@ 70 Deg F Ambient	BTUH	3300 / 3650	5600 / 6050	8400 / 9100	16200 / 17750
@ 80 Deg F Ambient	BTUH	3000 / 3300	5300 / 5700	7800 / 8450	15200 / 16550
@ 90 Deg F Ambient	BTUH	2800 / 3050	4850 / 5275	7300 / 7900	14100 / 15350
Controls					
Type		Room mounted non-programmable thermostat			
Accuracy		± 2°F			
Evaporator Section					
Fan Motor Size	Watts	75	100	195	240
Rated Air Flow	CFM	235	430	510	740
Air Flow with 25' flex duct	CFM	207	400	485	715
Air-cooled Condenser Section					
Fan Size	Watts	75	100	195	240
Rated Air Flow	CFM	253	400	500	750
Air Flow with 25' flex duct	CFM	220	365	475	720
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	0.85	1.20
Pipe connection size (in/out)	Inches	0.50	0.50	0.50	0.50
Heat					
Type		Integral electric heater coil			
Capacity	Watt/btuh	1000/3413	1000/3413	2000/6826	2000/6826
Temperature rise - including fan	Deg F	13.5	8.6	12.0	8.1
Humidifier					
Type		Removable Drip pad with integral fan			
Supply water temp of 60 Deg F	gal./day	1.6			
Supply water temp of 90 Deg F	gal./day	3.5			
Supply water temp of 120 Deg F	gal./day	5.1			
Control		Cellar mounted digital humidistat			
Electrical Requirements					
Power Requirements	V/P/H	115/1/60	115/1/60	230/1/60	230/1/60
Current Draw - Cooling mode	Amps	8.6	11.9	9.0	16
Current Draw - Heating mode	Amps	9.4	9.6	9.6	10
Minimum Circuit Size	Amps	15	15	15	20
Optional Low Ambient	Amps	0.4	0.4	0.2	0.2
Optional Humidifier	Amps	0.3	0.3	0.2	0.2
Typical Testing Data (Factory)					
Head Pressure	psig	159	140	140	138
Suction Pressure	psig	40	30	25	27
Condenser Inlet temperature	Deg F	81	74	79	78
Condenser Outlet temperature	Deg F	98	98	99	107
Evaporator Inlet temperature	Deg F	56	55	57	55
Evaporator Outlet temperature	Deg F	44	44	43	46
Agency Approval(s)		ETL - Conforms to UL Std. 1995, Can/CSA C22.2 No 236			

•1. Net cooling capacity @ cellar temp & humidity of 55 Deg F & 60 % RH / 60 Deg F & 60% RH and at rated airflow.Reduce capacity by 3% for each 10% reduction in either condenser or evaporator airflow, 5% for both.

2. Air Innovations reserves the right to make changes to this document without prior notice at its sole discretion.

3. All ratings @ sea level.