

SPECIFICATIONS

Ducted 50Hz Models



Model Number		WG40	WG75	WG100	WG175
Performance					
Net Cooling Capacity* @ 21 Deg C Ambient	Watts	906	1629	2430	4399
@ 27 Deg C Ambient	Watts	880	1570	2290	3812
@ 32 Deg C Ambient	Watts	880	1570	1760	3754
Controls					
Type	Room mounted non-programmable thermostat				
Accuracy	± 2°C				
Evaporator Section					
Fan Motor Size	Watts	75	100	195	240
Rated Air Flow	M3/H	451	706	808	1051
Air Flow with 8 meters of flex duct	M3/H	400	635	727	(*4.*) 946
Air-cooled Condenser Section					
Fan Size	Watts	75	100	195	240
Rated Air Flow	M3/H	468	748	850	1105
Air Flow with 8 meters of flex duct	M3/H	421	673	765	995
Water-cooled condenser Section (option)					
Water usage at 22 Deg C rise	L/sec	0.02	0.04	0.08	0.16
Pressure drop	Kg/cm2	0.03	0.03	0.06	0.08
Pipe connection size (in/out)	mm	13	13	13	13
Heat					
Type	Integral electric heater coil				
Capacity	Watt	1000	1000	2000	2000
Temperature rise - including fan	Deg C	7.5	5.0	6.7	4.5
Humidifier					
Type	Drip pad with integral fan				
Supply water temp of 16 Deg C	L/day	6.0			
Supply water temp of 32 Deg C	L/day	13.2			
Supply water temp of 49 Deg C	L/day	19.3			
Control	Cellar mounted digital humidistat				
Electrical Requirements					
Power Requirements	V/P/H	240/1/50	240/1/50	240/1/50	240/1/50
Current Draw - Cooling mode	Amps	4.8	4.9	9.5	14.2
Current Draw - Heating mode	Amps	4.4	4.4	8.7	8.7
Minimum Circuit Size	Amps	15	15	15	20
Optional Low Ambient	Amps	04	04	02	02
Optional Humidifier	Amps	0.3	0.3	0.2	0.2

1. Net cooling capacity at entering temperature and humidity conditions of 13 Deg C and 60% RH and at rated airflow. Reduce capacity by 3% for each 10% reduction in either condenser or evaporator airflow, 5% for both.
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. WG175 air flow based on 4.5 mm wg external static pressure.
5. Allowable water temperature range for water-cooled option is 7 Deg C and 29 Deg C.