

SPECIFICATIONS

Ducted Cooling Units



Sentinel Series

Model Number		WG40 (R134A)	WG75 (R134A)	WG100 (R134A)	WG175 (R134A)
Power Requirements	volt/phase/hz	240/1/50	240/1/50	240/1/50	240/1/50
Performance					
Net Cooling Capacity*		Total/Sensible	Total/Sensible	Total/Sensible	Total/Sensible
@21 Deg C condenser inlet air	Watts	916/850	1525 / 1381	2197 / 1801	4399 / 3589
@27 Deg C condenser inlet air	Watts	858/831	1421 / 1323	2059 / 1711	4121 / 3432
@32 Deg C condenser inlet air	Watts	791/791	1316 / 1263	1946 / 1666	3835 / 3276
Controls					
Type		Digital electronic			
Temperature Accuracy/RH% Accuracy		1F / 10%			
Evaporator Section					
Fan Motor Size	Watts	75	100	195	240
Rated Air Flow (free blow)	M3/H	451	706	808	1051
Rated Air Flow @ pressure loss (8 meter flex duct)	M3/H	400	635	727	946
Air-cooled Condenser Section					
Fan Motor Size	Watts	75	100	195	240
Rated Air Flow (free blow)	M3/H	451	748	850	1105
Rated Air Flow @ pressure loss (8 meter flex duct)	M3/H	400	673	765	995
Water-cooled Condenser Section (option)					
Water usage at 11 Deg C rise	L/sec	0.03	0.04	0.08	0.16
Pressure drop	kPa	1.38	2.76	5.50	8.27
Pipe connection size (In/Out) outside diameter	mm	12.70	12.70	12.70	15.00
Heat (Option)					
Type		Electric	Electric	Electric	Electric
Capacity / temp rise (including fan)	Watts	1000 / 7.5	1000 / 5	2000 / 6.7	2000 / 4.5
Humidifier (Option)					
Type		Removable drip pad with integral fan			
Capacity - water temp of 16 Deg C	L/Day	6.00			
Capacity - water temp of 32 Deg C	L/Day	13.20			
Capacity - water temp of 49 Deg C	L/Day	19.30			
Electrical Requirements					
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 amps (heat / no heat)	Amps	15	15	15	15
Optional Low Ambient	Amps	0.4	0.4	0.2	0.2
Optional Humidifier	Amps	0.3	0.3	0.2	0.2
Cabinet					
Construction		Aluminum chassis & UL Rated plastic panels			
Finish		Gray Metal epoxy powder coat/textured PVC Acrylic blend			
Weight	kg	35.38	56.7	56.7	93.44
Dimensions (cm)	Length	85	105	105	105
	Depth	42.2	57	57	57
	Height	39.5	48	48	48
Condensate Drain connection (ID)	cm	1.27	1.27	1.27	1.27
Minimum Ductwork Size	Millimeters	203.2	254	254	254
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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