

Specifications



Ducted Split System

Model Number	WGS40	WGS75	WGS100	WGS175
Performance				
Net Cooling * Total Sensible	Total/Sensible @220-240V	Total/Sensible @220-240V	Total/Sensible @220-240V	Total/Sensible @220-240V
@10°F (minus 12°C) condenser inlet air	1140/879 Watts	1600/1300 Watts	2960/2315 Watts	N/A
@40°F (4°C) condenser inlet air	1140/937 Watts	1780/1460 Watts	2930/2285 Watts	4520/3230 Watts
@60°F (15°C) condenser inlet air	1115/860 Watts	1715/1440 Watts	3077/2256 Watts	4530/2970 Watts
@70°F (21°C) condenser inlet air	1110/850 Watts	1750/1380 Watts	2930/2168 Watts	4420/3000 Watts
@80°F (27°C) condenser inlet air	1055/835 Watts	1550/1310 Watts	2813/2110 Watts	4100/2880 Watts
@100°F (32°C) condenser inlet air	965/730 Watts	1360/1150 Watts	2520/1846 Watts	3900/2720 Watts
@115°F (46°C) condenser inlet air	850/675 Watts	1300/1080 Watts	2373/1758 Watts	3490/2440 Watts
@122°F (50°C) condenser inlet air	640/640 Watts	1200/1000 Watts	N/A	N/A
Controls				
Type	Room mounted non-programmable combination thermostat humidistat			
Temperature Accuracy/RH% Accuracy	+/- 1 Deg F		+/- 10% RH	
Fan-coil Section				
Fan Motor Size	85 Rated Watts	120 Rated Watts	230 Rated Watts	290 Rated Watts
Rated Air Flow (free blow)	390 M ³ /h	680 M3h	750 M3h	1325 M3h
Rated Air Flow @ Max allow pressure loss	374 M ³ /h	680 M3h	750 M3h	1200 M3h
Heat (Option)				
Type	Electric	Electric	Electric	Electric
Capacity	1000 Watts	1000 Watts	2000 Watts	2000 Watts
Humidifier (Option)				
Type	Removeable drip pad with integral fan			
Capacity - water temp of 60°F (15°C)	.19 kg/hr			
Capacity - water temp of 90°F (32°C)	.44 kg/hr			
Capacity - water temp of 120°F (49°C)	0.5 kg/hr			
Electrical Requirements - Evaporator Section				
Power	220-240Volts/1 phase/50Hz	115 Volts/1 phase/60Hz	208-230Volts/1 phase/60Hz	208-230Volts/1 phase/60Hz
Current Draw - Cooling mode	0.4 Amps	0.5 Amps	1.0 Amps	1.0 Amps
Current Draw - Heating mode	4.75 Amps	4.7 Amps	10.7 Amps	10.7 Amps
Minimum Circuit Size (w/heat option)	5.84 Amps	5.75 Amps	13.1 Amps	13.1 Amps
Optional Humidifier	0.3 Amps	0.3 Amps	0.3 Amps	0.3 Amps
Cabinet - Evaporator Section				
Fan coil construction	Aluminum chassis & UL rated plastic panels			
Finish	Gray metal epoxy powder coat/textured PVC Acrylic blend			
Weight	15.87kg	24.5kg	25.4kg	31.3kg
Length	54.43 cm	61 cm	61 cm	61 cm
Width	42.16 cm	56.85 cm	56.85 cm	56.85 cm
Height	39.52 cm	48 cm	48 cm	48 cm
Condensate Drain	12.7 mm	12.77 mm	12.77 mm	12.77 mm
Condensing Unit				
	WGS40 Cond	WGS75 Cond	WGS100 Cond	WGS175 Cond
Nominal Compressor	2.6 Amps	3.9 Amps	10.8 Amps	10.8 Amps
Fan Motor Size	68 Watts	85 Watts	120 watts	120 watts
Rated Air Flow (free blow)	850 M ³ /h	850 M3h	739 M3h	1486 M3h
Weight	34 kg	36 kg	44 kg	54 kg
Enclosure - Condensing Unit				
Construction	Aluminum			
Finish	Anodized			
Width	86.4 cm	86.4 cm	86.4 cm	86.4 cm
Length	30.5 cm	30.5 cm	30.5 cm	30.5 cm
Height	66 cm	66 cm	66 cm	66 cm
Electrical Requirements - Condensing Unit				
Power	220-240 Volts/1 Phase/50Hz	220-240 Volts/1 Phase/50Hz	220-240 Volts/1 Phase/50Hz	220-240 Volts/1 Phase/50Hz
MCA	3.7 Amps	5.2 Amps	14.2 Amps	14.2 Amps
MOP	6.0 Amps	9.0 Amps	20 Amps	20 Amps

Agency Approval(s) CE

1. Net cooling capacity at entering temperature and humidity conditions of 57 Deg F (14 Deg C) 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 ratings at sea level.