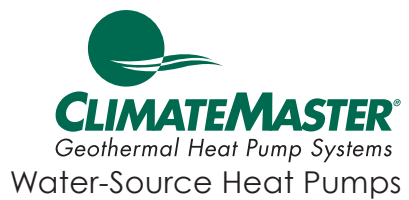


C·L·I·M·A·T·E·M·A·S·T·E·R

GENESIS

(GR) Series
High Efficiency
Water-Source Heat Pumps
Models 006 - 060



THE GENESIS STANDARD (GR) SERIES

The GR series offers high efficiency, quiet operation with advanced features and application flexibility at competitive prices. GR series exceeds typical WSHP efficiencies, yet maintains small cabinet dimensions.

Available in models 006 through 060 with multiple vertical and horizontal cabinet options the GR series offers a wide range of units for most any installation. The GR has an extended range refrigerant circuit, capable of ground loop (geothermal) applications as well as water loop (boiler-tower) applications. Standard features are many. Microprocessor controls, galvanized steel cabinet, polyester powder coat paint (vertical units) and TXV refrigerant metering device are just some of the features of the flexible GR series.

ClimateMaster's exclusive double isolation compressor mounting system makes the GR series the quietest unit on the market. Compressors are mounted on vibration isolation springs to a heavy gauge mounting plate, which is then isolated from the cabinet base with rubber grommets for maximized vibration/sound attenuation. Options such as e-coated air coil, DDC controls, and factory-installed water solenoid valves allow customized design solutions.

The GR Series water-source heat pumps are designed to meet the challenges of today's HVAC demands with a low cost/high value solution.

UNIT FEATURES

- Models 006 through 060
- Rotary, reciprocating and scroll compressors
- Exceeds ASHRAE 90.1 efficiencies
- Galvanized steel construction with polyester powder coat paint (vertical units)
- Unique double isolation compressor mounting with vibration isolation springs for quiet operation
- Insulated divider and separate compressor/air handler compartments
- TXV metering device
- Extended range (-6.7 to 48.9°C) operation
- Microprocessor controls standard (optional DXM and/or DDC controls)
- LonWorks, BACnet, Modbus and Johnson N2 compatibility options for DDC controls
- Field convertible discharge air arrangement for horizontal units
- Factory-mounted hanger brackets for horizontal units
- Internally trapped condensate drain line (vertical units only)
- Flush securely-mounted corner post water connections (no backup wrench required)
- Unit Performance Sentinel performance monitoring system
- Eight Safeties Standard
- Wide variety of options including e-coated air coils



GR Series Vertical Unit

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Advanced digital controls with Remote Service Sentinel. Optional Enhanced controls (DXM) & DDC Controllers

Easy to remove torsion-flex motor mounts for quiet operation and blower inlet ring for quick service (Optional High-Static blowers)



Easy Service Access from multiple sides



Factory installed hanger brackets



Insulated Drain Pan with condensate overflow protection (Optional Stainless Steel Drain Pan)

Double spring and grommet compressor isolation



PERFORMANCE AND SPECIFICATIONS

AHRI/ISO/ASHRAE 13256-1 Data

Model	Water Loop Heat Pump				Ground Water Heat Pump				Ground Loop Heat Pump			
	Cooling 30°C		Heating 20°C		Cooling 15°C		Heating 10°C		Cooling 25°C		Heating 0°C	
	Capacity Watts	EER W/W	Capacity Watts	COP W/W	Capacity Watts	EER W/W	Capacity Watts	COP W/W	Capacity Watts	EER W/W	Capacity Watts	COP W/W
GRH006	1500	3.3	1800	3.9	1800	5.3	1500	3.4	1600	3.9	1200	3.0
GRH/V 009	2100	4.0	2400	4.2	2500	6.3	2000	3.8	2200	4.7	1600	3.3
GRH/V 012	2500	3.1	3400	3.7	3100	4.8	2800	3.4	2700	3.6	2200	3.0
GRH/V 015	3900	4.6	3800	4.7	4500	6.8	3100	4.2	4100	5.3	2600	3.7
GRH/V 019	4900	3.3	6100	4.0	5900	4.8	4800	3.6	5300	3.8	3600	3.1
GRH/V 024	5700	3.4	7000	4.0	6800	5.0	5700	3.7	6100	3.9	4400	3.3
GRH/V 030	6400	3.3	7900	4.2	7400	4.9	6400	3.7	6800	3.8	5100	3.2
GRH/V 036	8000	3.3	10600	4.0	9300	4.6	8700	3.7	8500	3.7	6800	3.3
GRH/V 042	9900	3.7	11300	4.4	12200	5.8	9500	4.0	10800	4.4	7500	3.6
GRH/V 048	11400	3.6	14300	4.1	13100	5.2	11400	3.7	12000	4.1	8400	3.4
GRH/V 060	13700	3.4	16800	4.3	15900	5.2	13800	3.8	14500	4.0	11200	3.3

Cooling capacities based upon 27°C DB, 19°C WB entering air temperature

Heating capacities based upon 20°C DB, 15°C WB entering air temperature

All air flow is rated on high speed

All ratings based upon operation at lower voltage of dual voltage rated units

Dimensional Data

Vertical Upflow Model		Overall Cabinet			Horizontal Model		Overall Cabinet		
		W	D	H			W	D	H
009 - 012	in. cm.	22.4 56.8	21.6 54.9	22.6 57.4	006 - 012	in. cm.	22.4 56.8	43.1 109.5	11.3 28.7
015 - 024	in. cm.	22.4 56.8	21.6 54.9	34.6 87.9	015 - 024	in. cm.	22.4 56.8	43.1 109.5	17.3 43.9
030 - 036	in. cm.	22.4 56.8	25.6 65.1	40.6 103.1	030 - 036	in. cm.	22.4 56.8	53.2 135.1	19.3 49.0
042 - 048	in. cm.	22.4 56.8	25.6 65.1	48.6 123.4	042 - 048	in. cm.	22.4 56.8	62.2 158.0	19.3 49.0
060	in. cm.	25.4 64.5	30.6 77.8	50.6 128.5	060	in. cm.	25.4 64.5	71.2 180.8	21.3 54.1

Voltage Options

Model	Volts	Hz	Phase
006 - 024	220/240	50	1
030 - 036	220/240 380/420	50 50	1 3
042 - 060	380/420	50	3



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