



POWERMITE® GAS BOOSTER WATER HEATERS

Model PMG-60

The Hatco Powermite® Gas Booster Water Heater provides 180° F (82° C) sanitizing hot water and long life dependability. Designed to fit under the dishtable, near the dishwasher, minimizes the heat loss that can occur when heaters are installed in a remote location.

FLEXIBILITY

All models can operate on either natural or propane gas and feature a burner system that utilizes both primary and secondary air for consistent ignition.

For single tank, door-type machines. It has 58,000 BTU heating capacity with a storage capacity of 3.5 gallons (13 liters) and has an output equivalent to approximately 13.5kW. This unit can naturally and safely vent directly into the room. Consult local codes for venting requirements. The PMG-60 can increase the temperature of 135 gallons/hour (511 liter/hr) by 40° F (22° C).

QUALITY

The following features assure the best performance for years to come:

- Stainless steel tanks.
- Stainless steel front and top, with powdercoat sides and back (stainless steel body available).
- Finned tube copper heat exchanger.
- Spark to light with standing pilot.
- Eight blade type burners.
- Temperature/pressure relief valve.
- Pressure reducing valve.
- Two temperature/pressure gauges.
- Low-water cut-off.
- Blended phosphate water treatment system.
- Shock absorber.



Model PMG-60 with optional Stainless Steel Body and Base and PMGH-60 Exhaust Hood



Model PMG-60

BOOSTER SIZING

Water Temperature Recovery Table in GPH (LPH) and °F (°C)

Model	Input MBH (1,000 BTU/HR)	Temperature Rise				
		30° (16°)	40° (22°)	50° (28°)	60° (33°)	70° (39°)
PMG-60	58	181 (685)	135 (511)	108 (409)	90 (341)	77 (292)

Note: Installations above 2,000 ft. (610 m) will reduce the above capacities and may require orifice changes to meet IAS safety compliance. Consult "Installation and Operating Manual" for sizing adjustments and orifice changes.

WATER QUALITY REQUIREMENTS

Incoming water in excess of 3.0 grains of hardness per gallon (GPG) (.75 grains of hardness per liter) must be treated and softened before being supplied to booster heater(s). Water containing over 3.0 GPG (.75 GPL) will decrease the efficiency and reduce the operating life of the unit.

Note: Product failure caused by liming or sediment buildup is not covered under warranty.



ANSI/NSF 5

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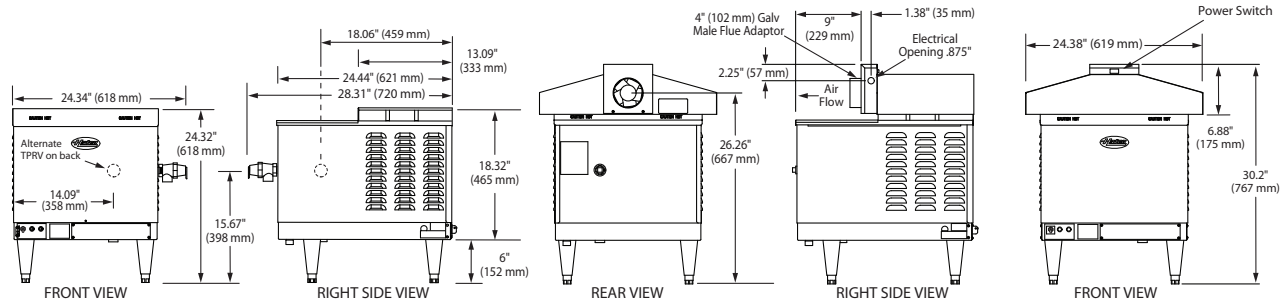
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POWERMITE® GAS BOOSTER WATER HEATERS

Model PMG-60



Model PMG-60 & optional PMGH-60 Hood

SPECIFICATIONS

Capacity

PMG-60	Input 58,000 BTUs/Hour. Output – 46,000 = 13.4kW
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Fuel

All Models	Natural or Propane Gas
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Electrical

PMG-60	120 VAC, 210 watt, 1.75 amps.
PMGH-60	120 VAC, 18 watt, 0.15 amps.

Connections

PMG-60	Gas – ½" NPT, Water – ¾" NPT, Electric – 120 VAC, 15 amp.
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Fluing

PMG-60	Direct – combustion air enters bottom, flue gasses exit sides at top of unit.
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Operating Water Pressure

All Models	150 PSI max. Relief valve set at 150 PSI, 210° F (99° C)
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Shipping Weight

PMG-60	130 lbs. (59 kg) dry.
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DIMENSIONS

PMG-60: 20.43"W x 24.44"D x 24.32"H* (519 x 621 x 618 mm).

* Height includes 6" (152 mm) legs. Width and depth does not include temperature pressure relief valve.

Gas Inlet Pressure

Gas Type	Water Column	
	Minimum	Maximum
Natural	5.0" (127 mm)	10.5" (267 mm)
Propane/LP	11.0" (279 mm)	13.0" (330 mm)

Operating Pressure Specifications at Manifold

Gas Type	Water Column At Pressure Tap
	High Burn
Natural	3.5" (89 mm)
Propane/LP	10.0" (254 mm)

Vent[^]

PMGH-60	4" (102 mm) diameter vent pipe adapter
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[^] Before installing any method of venting you should contact the local code authority or your gas supplier to make sure that the final installation will be acceptable to the authorities who have jurisdiction.

The proper method of venting a power vented gas appliance is too complicated to cover in this specification sheet and is explained in detail in the National Fuel Gas Code. Before installing the venting system, the person or agency making the installation must be familiar and experienced with the guidelines of the National Fuel Gas Code.

ALL INSTALLATIONS MUST BE MADE BY A QUALIFIED INSTALLER IN ACCORDANCE WITH THE NATIONAL FUEL GAS CODE OR LOCAL CODES.

OPTIONS (NOT FOR RETROFIT)

- Stainless Steel Body, Base, and Sides
- Security Package

ACCESSORIES

- Exhaust Hood PMGH-60
- Air Interlock Switch
- High Altitude Orifice Kit
- Back Pressure Relief Valve
- Brass Pressure Reducing Valve
- 6"-7" (152-178 mm) Adjustable Stainless Steel Legs (4)
- Floor Mounting Hardware

PRODUCT SPECS

Gas Booster Water Heater

The Gas Booster Water Heater to supply the final 180° F (82° C) rinse for the dishwasher shall be a Hatco Powermite® Model ..., as manufactured for commercial use by the Hatco Corporation, Milwaukee, WI 53234 U.S.A.

With 24/7 service (U.S and Canada only), the booster shall have the capacity to heat ... gph (lph) from 110° F to 180° F (43° C to 82° C) and it shall be rated at ... btu, 120 volts, single phase. The stainless steel tank shall be designed for a working pressure of 150 psi (1034 kPa) and hydrostatically tested at 300 psi (2069 kPa).

The heater shall be complete with all internal plumbing, including ¾" NPT pipe and fittings from inlet and outlet. All controls shall be built-in, and carry safety approval in accordance with ANSI 21.10.3. Sanitary approval

shall be in accordance with NSF Standard 5. Proper surface mounting circuit breaker or fused disconnect switch shall be provided by electrical contractor.

The gas fired heating system shall be controlled by close tolerance immersion thermostats. The booster shall be protected with high temperature limit switch (ECO) and low water cut-off.

The heater shall consist of stainless steel front, top, and stainless steel adjustable legs or stainless steel front and silver-gray hammertone sides and back with standard 6" (152 mm) legs.

The heater shall include a temperature/pressure relief valve, high-temperature limit, pressure reducing valve with bypass, indicating temperature/pressure gauge, shock absorber, and blended phosphate water treatment system.

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