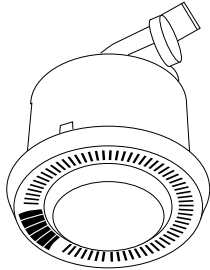


## Bath Fans

### Models 1100W



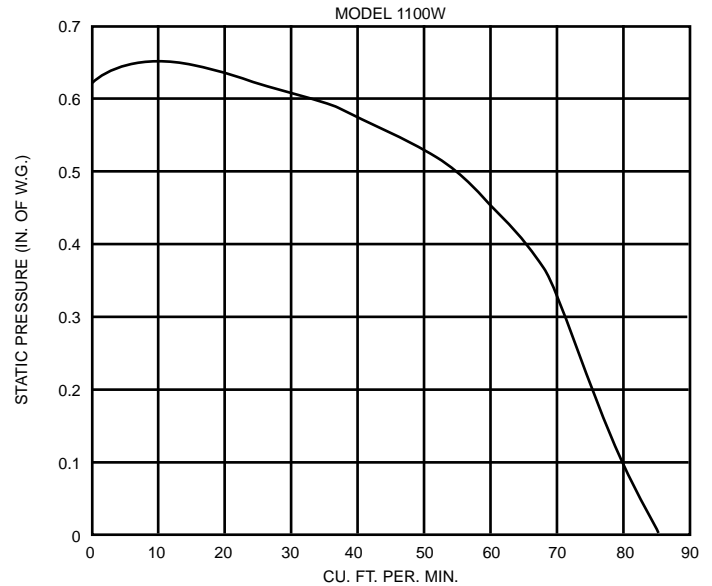
#### MODEL DESCRIPTION

Model 1100W features a boldly sculptured round grille with softly curved, baffled air intakes. This model offers a choice of light, ventilation and heat which can be operated singly, fully or in any combination with the 3-way, two-gang wall control which is included. Model 1100W, with its unique, patented heater design, can circulate warm air into the bathroom as moist air is simultaneously exhausted near the ceiling. Model 1100W is intended for use in bathrooms up to 55 square feet, but can be used in other areas where ventilation is required. For a new construction installation, the housing should be installed during the rough-in phase. When remodeling or installing the ventilator in an existing building, the housing must be installed from above, which requires access to the attic space.

#### FEATURES

- Low profile grille assembly with snap-in Lexan® lens.
- 100 Watt lamp capacity. (Lamp not included).
- 1250 Watts of forced air heat.
- 4" Integral Duct adapter with integral back draft damper.
- Mounting brackets for easy installation between ceiling joists (16" O.C. or 24" O.C.).
- Large, easily accessible outlet box.
- Included 3-way wall control.

#### PERFORMANCE DATA



#### SUGGESTED SPECIFICATIONS

Bath Fans shall bear the HVI Tested Certified Seal and the UL label. Fans shall have formed cold rolled steel housings and shall not exceed sound level ratings shown. Fans shall have integral duct adapter with automatic back draft damper. Heater element shall have a squirrel-cage blower for quiet operation. Fan lens shall be made of unbreakable hat-resistant thermo-plastic. Fans shall be provided with plug-in motor and receptacle inside the housing. Motor, motor bracket and impeller assembly shall be removable without disturbing the housing. Fan motors shall be direct drive and suitably housing. Fan motors shall be direct drive and suitably grounded. Bath Fans shall be from Marley Engineered Products, 470 Beauty Spot Road East, Bennettsville, SC 29512

#### SPECIFICATIONS

#### HVI CERTIFIED RATINGS



SQ. FT

MODEL	DUCT SIZE	ROUGH-IN OPENING	AMPS	CFM	SONES	BATH	OTHER
1100W	4"	12 <sup>3</sup> / <sub>4</sub> "x Dia.	12.5	80	4.0	75	100

REFERENCE	QTY.	REMARKS	Project
			Location
			Architect
			Engineer
			Contractor
			Submitted By
			Date

# INSTALLATION INSTRUCTIONS

1. Remove the grille assembly from the carton and set it aside until needed.
2. Remove the heater unit from the housing by first unplugging it and removing the mounting screws. Then lift out heater unit while disengaging two mounting tabs. (See Fig.1). Set it aside until needed.
3. Unplug vent motor and remove the outlet box cover by removing two mounting screws. Retain cover and screws for reinstallation. Check the ventilating section. Be sure that the motor bracket is secured tightly to the cover plate. If not, loosen the two mounting screws, twist the motor bracket counter-clockwise into place and re-tighten screws.

**NOTE:** Two long and two short mounting bars are included with this unit. These bars must be paired correctly, in order to allow the housing to be positioned at the desired location between joists.

For 24" centers, use one long and one short bar on each side of housing. For 16" centers, break off ends of both long mounting bars at second positions, then proceed as follows":

4. Loosen the two screws in each mounting bar retainer bracket on the housing and install mounting bars in accordance with Fig. 2. Install bar securing screws supplied through slot in short mounting bars and depending on 24" O.C. or 16" O.C. installation, hole in longer mounting bar. Do NOT tighten securing screws. Position housing in approximate desired location between joists and drive (4) small nails (4D or 6D) in joists, 1 3/8" from bottom and 13 1/2" apart. Leave 1/4" of each nail projecting. Align mounting bar holes with nails and drop into place. Exact position of housing can now be adjusted laterally between joists and vertically to compensate for sheet-rock thickness. Vertical adjustment is correct when flange of housing is dropped below the bottom of ceiling joist a distance equal to the thickness of the sheet-rock. Level housing and insert (4) additional nails in the bottom of the mounting bars for a more secure mounting. Tighten securing screws.

5. Insure that damper opens and closes freely, at this point.
6. Install 4" round duct to discharge the fan to outside.

**IMPORTANT:** Be sure nothing obstructs the discharge of the vent. Take precautions to assure that insulation does not get into duct work or fan discharge opening.

7. Run a 120-volt power cable to the wall switch provided so that you can control heat, light and ventilation separately. Install wall switch in a convenient location. Run cables from switch to the unit. Refer to wiring diagram. Install an approved connector on junction box. Connect ground lead to green screw in outlet box. Replace outlet box cover. Insert vent motor plug into vent receptacle.

8. Install heater unit in housing by inserting the two mounting tabs into the slots in the housing. Swing the mounting bar up into housing and install screw. Make sure both tabs engage slots. Tighten screw and insert plug into heater receptacle. (See Figs. 1 & 4).

9. Insert the lamp plug of grille assembly into lamp receptacle on the outlet box. Mount the grille to the housing, aligning the small hole in the grille with the threaded mounting screw and the larger hole with the adjacent alignment pin. The alignment pin will insure that the heater unit outlet is positioned directly over the discharge outlet in the grill. Fasten with wing nut supplied. (See Figs. 1 & 4).

**NOTE:** IF GRILLE DOES NOT FIT FLUSH WITH CEILING, ADJUST SCREWS IN MOUNTING BRACKETS, REFER TO STEP 4.

10. Install a 100 watt (maximum) light bulb. Align three tabs on lens with slots in grille. See Fig. 5. Press lens to grille until tabs engage.
11. Check installation to insure that wiring has been installed properly and that no mechanical noise is evident which may be caused by loose components or vibration.

## INSTALLATION IN EXISTING HOMES

When, installing a Model 1100 Heater-Light-Vent in an existing house, you must have an accessible area above the proposed installation location (attic or crawl space). Because of the size and shape of the housing, it must be installed in a finished ceiling from above.

1. Carefully read all installation instructions and follow those applicable to your installation, including ducting and wiring. (Figs. 1 & 3).
2. Drill a small hole in ceiling in proposed location, then locate this hole in the attic or crawl space.
3. In attic mark ceiling for cutout by using housing as a template. Using this line, as a guide, make a cutout about 1/4" larger. Final hole must not exceed 12 1/4" dia.
4. Rest flange of housing on sheet-rock, centered over cutout. Extend and nail all four ends of mounting bars.
5. Perform steps 5 thru 10 as for new construction.
6. Make final inspection and check out as outlined in step 11.



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For more info visit [www.marleymep.com](http://www.marleymep.com)

