

GAS-FIRED, POWER-EXHAUSTED HIGH-EFFICIENCY II™ UNIT HEATERS

- 80% Thermal Efficiency • Rotating Power Exhaust • Horizontal or Vertical Venting • Field-Convertible to Propane
- Field-Adjustable Level Hanging • Intermittent Pilot Ignition, 100% Shut-Off with Continuous Retry

HIGH EFFICIENCY II®

The PDP (propeller) and BDP (blower) High Efficiency II gas-fired unit heaters are a generation of products that are inexpensive to install, easy to use, and offer excellent in-service economy.

Each Modine power-exhausted unit heater has been engineered to include the following features:

- 80% thermal efficiency, maximizing seasonal efficiency through the use of a collector box and the power exhauster.
- A power exhaust that can be rotated 180°. The unit can be vented vertically or horizontally.
- A 100% shut-off, intermittent pilot-ignition system with continuous retry, allows for all PDP/BDP units to be field-converted to propane, if desired.
- A safety pressure-switch to assure safe venting conditions.
- Designed to utilize the smallest-diameter vent pipe possible.
- PDP models are designed to operate against 0.5 inches of external static pressure.
- “Wing” screws so that the bottom pan can be dropped without a screwdriver or nut driver.
- A level hanging mechanism for easy field adjustments after adding accessories that may change the unit’s center of gravity.



MODEL PDP



MODEL BDP

Performance Data

Propeller		Model Number						
		PDP 150	PDP 175	PDP 200	PDP 250	PDP 300	PDP 350	PDP 400
Btu/Hr Input		150,000	175,000	200,000	250,000	300,000	350,000	400,000
Btu/Hr Output		120,000	140,000	160,000	200,000	240,000	280,000	320,000
Vent Dia. (In.)	For power exhausted models rated 30,000 to 125,000 Btu/hr, please see HD models on page 3.	5	5	5	6	6	6	6
CFM @ 70°F		2180	2550	2870	3700	4460	4870	5440
Air Temp. Rise (°F)		51	51	52	50	50	53	54
Maximum Mounting Height (Ft)		16	17	15	19	21	20	19
Heat Throw (Ft) ①		55	59	51	67	74	70	69
Motor HP		1/8	1/6	1/6	1/3	1/2	3/4	3/4

① At 65° ambient temperature and unit fired at full-rated input. Mounting height is measured from floor to bottom of unit.

Blower		Model Number						
		BDP 150	BDP 175	BDP 200	BDP 250	BDP 300	BDP 350	BDP 400
Btu/Hr Input		150,000	175,000	200,000	250,000	300,000	350,000	400,000
Btu/Hr Output		120,000	140,000	160,000	200,000	240,000	280,000	320,000
Vent Dia. (In.)	For power exhausted models rated 30,000 to 125,000 Btu/hr, please see HDB models on page 3.	5	5	5	6	6	6	6
Motor HP (Std 115V/60Hz/1Ph)		1/4	1/3	1/4	1/3	3/4	1	1-1/2
Air Flow CFM Range		1587-2778	1852-3241	2116-3704	2646-4630	3175-5556	3704-6481	4233-7407
Air Temp. Rise Range (°F)		40-70	40-70	40-70	40-70	40-70	40-70	40-70

Note: Maximum mounting heights and heat throws for BDP models, without ductwork or nozzles, and at a CFM yielding a 55° temperature rise, are the same as those listed for equivalent size PDP units.

DO NOT LOCATE ANY GAS-FIRED UNIT IN AREAS WITH CHLORINATED, HALOGENATED OR ACIDIC VAPORS IN ATMOSPHERE.

Request Catalog 6-189 For Complete Technical Information and Specifications.

