



COMMERCIAL SOLUTIONS



GAS-FIRED UNIT HEATERS FOR YOUR SPACE AND YOUR BOTTOM LINE

PDP | PTP | PTC

SPECIFICATIONS

Propeller Unit Model PDP General Performance Data

	Model PDP Sizes						
	150	175	200	250	300	350	400
BTU/Hr Input ¹	150,000	175,000	200,000	250,000	300,000	350,000	400,000
BTU/Hr Output ¹	123,000	143,000	164,000	205,000	246,000	287,000	326,000
Max. Mounting Height (Ft.) ²	16	17	15	19	21	20	19
Heat Throw (Ft.) @ Max Mtg Ht ²	55	59	51	67	74	70	69

Propeller Unit Model PTP General Performance Data

	Model PTP Sizes						
	150	175	200	250	300	350	400
BTU/Hr Input ¹	150,000	175,000	200,000	250,000	300,000	350,000	400,000
BTU/Hr Output ¹	123,000	143,500	164,000	205,000	246,000	287,000	328,000
Max. Mounting Height (Ft.) ²	15	14	15	18	19	18	21
Heat Throw (Ft.) @ Max Mtg Ht ²	51	50	53	62	69	65	74

High-Efficiency Model PTC (Effinity) General Performance Data

	Model PTC Sizes									
	55	65	85	110	135	156	180	215 ³	260 ³	310 ³
BTU/Hr Input ¹	55,000	65,000	85,000	110,000	135,000	156,000	180,000	215,000	260,000	310,000
BTU/Hr Output ¹	51,150	60,450	79,050	102,300	125,550	144,150	167,400	199,950	241,800	288,300
Condensate Production (Gal./Hr.)	0.3	0.4	0.5	0.7	1.0	1.1	1.3	1.6	1.9	2.3
Entering Airflow (CFM) @70° F ²	1097	1141	1,650	1,750	2,160	2,600	3,020	3,865	4,585	5,400
Air Temp. Rise (°F)	43	49	44	54	54	51	51	48	49	49
Max. Mounting Height (Ft.) ²	12	12	13	13	14	18	15	17	20	19
Heat Throw (Ft.) @ Max Mtg Ht	43	43	48	46	51	62	53	60	70	67

¹ Ratings shown are for elevations up to 2,000 ft. For elevations above 2,000 feet, ratings should be reduced at the rate of 4% for each 1,000 feet above sea level. (In Canada see rating plate.) Reduction of ratings requires use of a high-altitude kit.

² Data taken at 65°F ambient and unit fired at full-rated input. Mounting height as measured from bottom of unit, and without deflector hoods.

³ Corresponding blower models available.



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UNIT OPTIONS COMPARISON	Good	Better	Best
	PDP	PTP	PTC
Available Model Sizes (BTU/hr)	7 sizes from 150,000 to 400,000	7 sizes from 150,000 to 400,000	10 separated combustions sizes from 55,000 to 310,000
Thermal Efficiency	82%	82%	93%-97%
100% Shut-Off Intermittent Pilot-Ignition System with Continuous Retry	✓	✓	✓
Uses Natural Gas or Propane (Field Convertible From Natural Gas to Propane)	✓	✓	✓ Plus external gas connections
Tubular Heat Exchanger with In-Shot Burner on Each Exchanger Tube for Reliable Performance & Ease of Service	-	✓	✓
Stainless Steel Heat Exchanger Extends the Life of the Product	-	✓	✓
Designed to Utilize the Smallest Diameter Vent Pipe Possible	✓	✓	-
Permanently-Lubricated Motor	✓	✓	✓
10-Year Heat Exchanger Warranty	✓	✓	Full 10-year warranty on both heat exchangers
In-Cabinet Controls Protection	-	Power exhauster and controls mounted inside the cabinet for protection from moisture and dust	Sealed compartment protects the combination gas valve, ignition control, manifold and burner from environment
Contractor Convenience Package	-	-	Includes diagnostic LEDs, disconnect switch and condensate pump outlet
Energy-Saver Controls	-	-	Controls automatically engage and disengage gas controls as temperature increase and decreases

VERTICAL POWER VENTED

Modine's PDP power vented unit heaters are inexpensive to install, easy to use, and offer excellent in-service economy.



HORIZONTAL POWER VENTED

The PTP was specifically designed with the customer in mind to provide high value at a reasonable cost. The PTP delivers 82% thermal efficiency in a robust package of design features.



HIGH EFFICIENCY

The Effinity unit heater (PTC) line is the most efficient gas-fired commercial unit heater in North America. Offering up to 97% efficiency is a result of the coupling of our exclusive Conservicore® secondary heat exchanger technology with our robust tubular primary heat exchanger design.



FAN GUARDS AND BLOWERS

All Modine gas-fired unit heaters can be equipped with an optional finger-proof fan guard for operation at low mounting heights. Blowers are also available. Blower units are designed for both heating and ventilating and can be used in a variety of ways for both commercial and greenhouse markets.

