

DES3 SERIES

ECONOMICAL, SINGLE-STAGE LOW INTENSITY TUBE HEATER



Optimal Fuel and Comfort Benefits with Unsurpassed Features

Streamlined for economy and designed without sacrificing performance, the DES3 Series represents quality at an economical price. Utilizing a direct spark ignition system and hot-rolled steel emitter tubes, this series is the best in this class of equipment.



PRODUCT FEATURES

- 100% aluminized steel combustion tubes with .95 emissive coating
- Pre-purge controls
- Independent control-air-gas compartments with tool-free access

BENEFITS OF HEATING WITH INFRARED

- | | |
|------------------------------|----------------------|
| • Superior Comfort | • Flexibility |
| • Indoor Air Quality | • Durability |
| • Reduced Energy Consumption | • Radiant Efficiency |
- Fitted ABS plastic air intake collar
 - Reliable spark ignition
 - Type 1 rubber flexible gas connector included
 - 120 volt controls and power cord standard

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PRODUCT SPECIFICATIONS



Input Range:
50,000 to 200,000 BTU/h



Lengths:
20-ft. to 70-ft.



Gas Type:
Natural (3.5" W.C.) or Propane (10.0" W.C.)



Combustion Chamber:
4" Titanium Stabilized or Aluminized Steel



Radiant Tubes:
Hot-Rolled Steel



Certification:
CSA, IAS, Indoor, Outdoor



Limited Warranty:
1 (Components) - 2 (Tubes) - 3 (Burner)



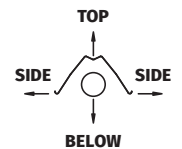
Electrical:
120V, 60 Hz. 3-wire
Amps: 4.8 Starting, 1.1 Running



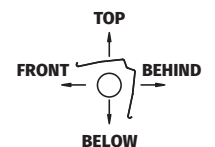
AVAILABLE DES3 MODELS & CLEARANCES

MODEL #	GAS ¹	BTU/h INPUT	LENGTH	WEIGHT	MOUNTING HEIGHTS ²	CLEARANCES TO COMBUSTIBLES ³ (INCHES)	MOUNTING ANGLE	SIDE	TOP	BELOW
DES3-20-50	Nat or Prop	50,000	21'-8"	120 lbs	9' to 14'		0°	9	6	47
DES3-20-60	Nat or Prop	60,000	21'-8"	120 lbs	10' to 15'		0°	9	6	47
DES3-20-75	Nat or Prop	75,000	21'-8"	120 lbs	11' to 18'		0°	9	6	60
DES3-30-50	Nat or Prop	50,000	31'-4"	160 lbs	10' to 15'		0°	9	6	47
DES3-30-60	Nat or Prop	60,000	31'-4"	160 lbs	11' to 18'		0°	9	6	47
DES3-30-75	Nat or Prop	75,000	31'-4"	160 lbs	12' to 20'		0°	9	6	60
DES3-30-100	Nat or Prop	100,000	31'-4"	160 lbs	13' to 23'		0°	14	6	66
DES3-40-50	Nat or Prop	50,000	41'-0"	190 lbs	11' to 18'		0°	9	6	47
DES3-40-60	Nat or Prop	60,000	41'-0"	190 lbs	11' to 18'		0°	9	6	47
DES3-40-75	Nat or Prop	75,000	41'-0"	190 lbs	12' to 20'		0°	9	6	60
DES3-40-100	Nat or Prop	100,000	41'-0"	190 lbs	13' to 23'		0°	14	6	66
DES3-40-125	Nat or Prop	125,000	41'-0"	190 lbs	14' to 25'		0°	20	6	76
DES3-40-150	Nat or Prop	150,000	41'-0"	190 lbs	15' to 27'		0°	24	6	81
DES3-50-100	Nat or Prop	100,000	50'-8"	235 lbs	15' to 27'		0°	14	6	66
DES3-50-125	Nat or Prop	125,000	50'-8"	235 lbs	15' to 27'		0°	20	6	76
DES3-50-150	Nat or Prop	150,000	50'-8"	235 lbs	16' to 30'		0°	24	6	81
DES3-50-175	Nat or Prop	175,000	50'-8"	235 lbs	17' to 35'		0°	34	6	92
DES3-50-200	Nat or Prop	200,000	50'-8"	235 lbs	18' to 40'		0°	41	6	94
DES3-60-125	Nat or Prop	125,000	60'-4"	265 lbs	16' to 30'		0°	20	6	76
DES3-60-150	Nat or Prop	150,000	60'-4"	265 lbs	17' to 35'		0°	24	6	81
DES3-60-175	Nat or Prop	175,000	60'-4"	265 lbs	17' to 35'		0°	34	6	92
DES3-60-200	Nat or Prop	200,000	60'-4"	265 lbs	18' to 40'		0°	41	6	94
DES3-70-200	Nat or Prop	200,000	70'-1"	300 lbs	19' to 42'		0°	41	6	94

0° Mounting Angle



45° Mounting Angle³



- ¹ Specify natural (Nat) or propane (Prop) gas.
- ² Factory recommended mounting heights are provided as a guideline. Actual conditions may dictate variations from the above data.
- ³ Refer to DES3 Manual for additional information about clearances for 45° Mounting Angle, 0° w/ 1 Side Shield, 0° w/ 2 Side Shields, and 20 ft. from burner.

Always maintain the published clearances to combustibles. Not for residential use.
Clearances published in DES3 Series manual and on warning label supersede data shown on this brochure.



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