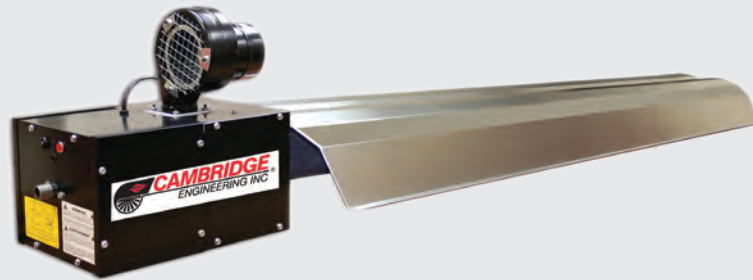


Gas-Fired Infrared Tube Heater Specifications



FEATURES & BENEFITS

- Direct spark ignition
- Flame sight port
- Operating status light
- Thermal overload blower safety switch
- Integral post purge feature
- Center supports for each 10' reflector section
- Seamlessly welded heavy gauge hot-rolled steel tube
- High performance, high efficiency burner
- Efficient 10-sided parabolic reflector
- High-reflectivity, mill-finished aluminum reflector with end caps for added efficiency
- Heat treated aluminized combustion tube (first 10')
- High emissivity radiant tube

APPLICATIONS

- Aircraft Hangars
- Loading Docks
- Automobile Service and Repair Facilities
- Fire Stations



MODEL NUMBER	RATING (BTU/H)	LENGTH OPTIONS (FT.)
ITH-40	40,000	10, 20
ITH-60	60,000	20, 30
ITH-80	80,000	20, 30, 40
ITH-100	100,000	20, 30, 40
ITH-125	125,000	30, 40, 50
ITH-150	150,000	40, 50, 60
ITH-175	175,000	50, 60
ITH-205	205,000	50, 60, 70
ITH-220	220,000	60, 70

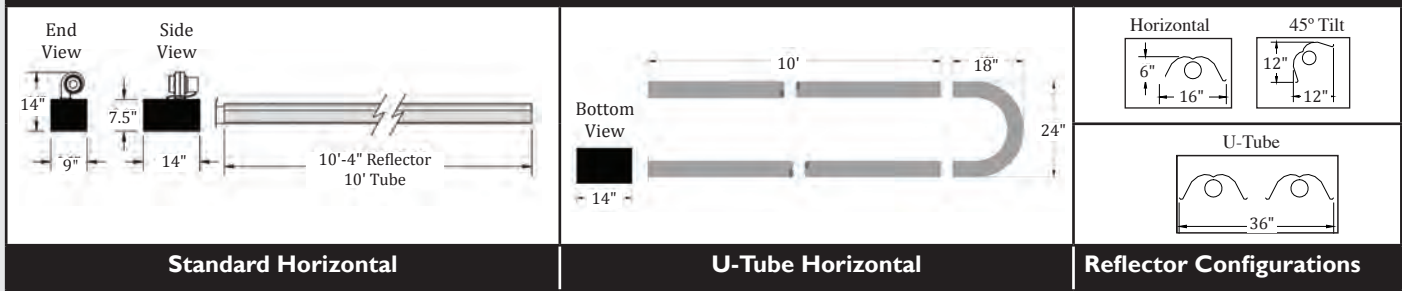
GENERAL SPECIFICATIONS	
Gas Supply Inlet Pressure <ul style="list-style-type: none"> • Natural Gas: 5"WC min., 14"WC max. • Propane Gas: 11"WC min., 14"WC max Manifold Pressure <ul style="list-style-type: none"> • Natural Gas: 3.5"WC • Propane Gas: 10.5"WC Inlet Connection: <ul style="list-style-type: none"> • ½" female NPT 	Certification <ul style="list-style-type: none"> • Low Intensity Gas-Fired Infrared Radiant Tube Heater • CSA certified to meet ANSI Z83.20/CSA 2.17 • To be used for indoor applications only
Electrical Supply <ul style="list-style-type: none"> • 120V/1Ph/60Hz, 1 Amp • Grounded 3-prong plug 	Controls <ul style="list-style-type: none"> • Pre & post purge • 24V or 120V control
Flue & Outside Air <ul style="list-style-type: none"> • Approved for vented or unvented use • 4" O.D. male connections provided for flue adapter and optional outside combustion air 	Warranty <ul style="list-style-type: none"> • 2 years on all components • 5 years on heat exchanger



www.cambridge-eng.com

Cambridge Engineering, Inc.
 760 Long Road Crossing Dr.
 Chesterfield, MO 63005
 800.899.1989 • Fax 636.530.6133

ITH-Series Infrared Tube Heaters - Dimensions



Minimum Clearance to Combustible Materials

Reflector Configuration	Dim.	40,000 BTU/H	60,000 BTU/H	80,000 BTU/H	100,000 BTU/H	125,000 BTU/H	150,000 BTU/H	175,000 BTU/H	205,000 BTU/H	220,000 BTU/H
Horizontal 	A	2"	2"	2"	2"	4"	4"	6"	6"	6"
	B	18"	25"	26"	30"	33"	36"	40"	44"	46"
	C	45"	58"	62"	67"	71"	74"	78"	80"	83"
	D	18"	25"	26"	30"	33"	36"	40"	44"	46"
45° Tilt 	A	4"	4"	4"	4"	6"	6"	8"	8"	8"
	B	4"	4"	4"	4"	4"	4"	4"	4"	4"
	C	40"	50"	58"	67"	70"	71"	74"	78"	81"
	D	38"	46"	50"	58"	63"	64"	67"	72"	77"
U-Tube Horizontal 	A	-	2"	2"	2"	4"	4"	6"	6"	6"
	B	-	25"	28"	30"	34"	37"	40"	45"	46"
	C	-	59"	62"	71"	74"	76"	78"	82"	88"
	D	-	22"	26"	30"	33"	36"	40"	44"	46"
Unvented	Above End	12"	12"	18"	18"	18"	18"	18"	18"	18"
	End	26"	26"	26"	26"	26"	32"	32"	32"	32"
Vented	End	18"	18"	18"	18"	18"	18"	18"	18"	18"

See technical manual for complete details.

SELECT - Rating/Length		ORDER THESE HEATER COMPONENTS ¹			
BTU/H	Length (ft.)	Burner ²	Heater Pack	Extension Pack	Baffle Kit
40,000	10	ITH04N	CMTH10	-	CMCT045
	20	ITH04N	CMTH20S	-	CMCT045
60,000	20	ITH06N	CMTH20S	-	CMCT046
	30	ITH06N	CMTH30S	-	CMCT046
80,000	20	ITH08N	CMTH20S	-	CMCT047
	30	ITH08N	CMTH30S	-	CMCT047
	40	ITH08N	CMTH10	CMTX30S	-
100,000	20	ITH10N	CMTH20S	-	CMCT047
	30	ITH10N	CMTH30S	-	CMCT047
	40	ITH10N	CMTH10	CMTX30S	-
125,000	30	ITH12N	CMTH30S	-	CMCT047
	40	ITH12N	CMTH10	CMTX30S	CMCT047
	50	ITH12N	CMTH20S	CMTX30S	CMCT047
150,000	40	ITH15N	CMTH10	CMTX30S	CMCT046
	50	ITH15N	CMTH20S	CMTX30S	CMCT046
	60	ITH15N	CMTH30S	CMTX30S	CMCT046
175,000	50	ITH17N	CMTH20S	CMTX30S	-
	60	ITH17N	CMTH30S	CMTX30S	-
205,000	50	ITH20N	CMTH20S	CMTX30S	CMCT095
	60	ITH20N	CMTH30S	CMTX30S	-
	70	ITH20N	CMTH10	(2) CMTX30S	-
220,000	60	ITH22N	CMTH30S	CMTX30S	-
	70	ITH22N	CMTH10	(2) CMTX30S	-

¹ Order one of each component unless otherwise specified.

² For propane request burner conversion kit.

STANDARD EQUIPMENT

- High performance burner & blower
- Powder coated enclosure
- Direct spark ignition with self-diagnostics
- Operating status light
- 36" cord with grounded 3-prong plug
- Heat treated aluminized combustion tube
- High emissivity radiant tube (heat exchanger)
- Turbulator baffles as required
- 99+% efficient parabolic aluminum reflector with end caps
- Integral post purge feature (24V control)
- 4" O.D. male connection for flue adapter
- All required couplings & hanging accessories per specified length

OPTIONAL EQUIPMENT

- U or L bend kits for layout versatility
- Propane conversion kit
- High altitude conversion kit
- Side reflector with brackets
- Fresh air inlet collar kit (4" dia.)
- Fresh air inlet hood (4" dia.)
- Vent Terminal (4" or 6" dia.)
- Wall thimble for combustible walls (4" or 6" dia.)
- Chain kit (20' of 2/0 chain, 10 quick links)
- 24V low voltage thermostats
- Gas shut off valve (1/2" or 3/4")
- Stainless steel gas flex connector (1/2"x24" or 3/4"x36")