

Quick Infrared Heater Selection Chart

Project Information:	Name	_____	Job Name	_____
	Address	_____	Date Req'd	_____
	Contact Number	_____	Date Quoted	_____

ITH Series Infrared Heaters with Hot Rolled Tube										
Choose Rate & Length		Select Burner + Heater Pack + Extension Pack + Baffle Kit (Quantities shown below include bill of material for one heater of chosen rate and length)								
BTU/h	Length (feet)	One Burner* /heater	Heater Pack (includes flange tube)			Extension Pack	Baffle Kit			
		Part No.	CMTH10	CMTH20S	CMTH30S	CMTX30S	CMCT045	CMCT046	CMCT047	CMCT095
40,000	10	ITH04N	1				1			
	20	ITH04N		1			1			
60,000	20	ITH06N		1				1		
	30	ITH06N			1			1		
80,000	20	ITH08N		1					1	
	30	ITH08N			1				1	
	40	ITH08N	1			1				
100,000	20	ITH10N		1					1	
	30	ITH10N			1				1	
	40	ITH10N	1			1				
125,000	30	ITH12N			1				1	
	40	ITH12N	1			1			1	
	50	ITH12N		1		1			1	
150,000	40	ITH15N	1			1		1		
	50	ITH15N		1		1		1		
	60	ITH15N			1	1		1		
175,000	50	ITH17N		1		1				
	60	ITH17N			1	1				
205,000	50	ITH20N		1		1				1
	60	ITH20N			1	1				
	70	ITH20N	1			2				
220,000	60	ITH22N			1	1				
	70	ITH22N	1			2				

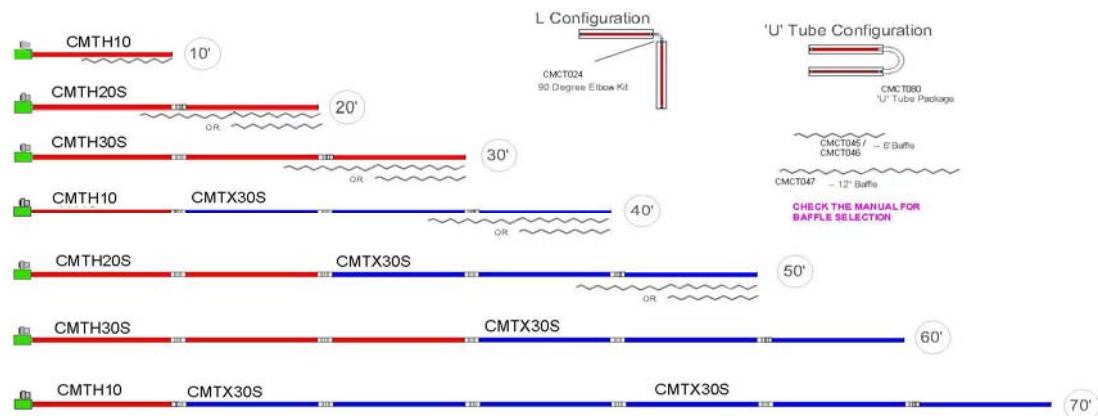
Example: Bill of material for 1 heater 150,000 btu's, 50 ft long: Order 1 each of ITH15N, CMTH20S, CMTX30S, CMCT046

* Important: for Propane substitute the "N" in the burner part number with a "P"

Note: Tube packs include tubing, couplings, reflector, hangers and vent connector. 10 feet of combustion tube is heat treated aluminized.

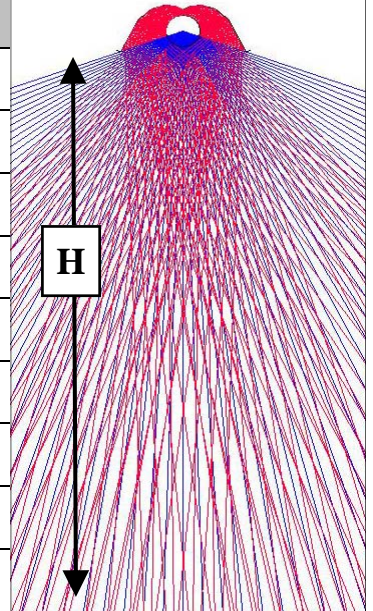
Part No.	Qty.	Accessories
CMCG012		Gas Flex Connector, 24"x1/2" (Recommended for 30,000 to 150,000 btu/hr)
CMCG024		Gas Flex Connector, 36"x3/4" (Recommended for 175,000 btu/hr and up)
CMCG011		Shut off valve for gas flex 1/2"
CMCG028		Shut off valve for gas flex 3/4"
CMCH161		Chain Kit (includes 10 s-hooks, 20 ft. 2/0 chain)
CMCE139		Thermostat, Single Stage, Digital 24V - non programmable
CMCT011		Vent Terminal - 4" (spout)
CMVS022		Air Inlet Collar kit (required to connect outside air)
CMCS005		Fresh Air Inlet Hood 4" diameter
CMCT024		Elbow Package, 90 degree, includes all parts
CMCT080		U-Tube package, 180 degree, includes all parts
CMCR039		Reflector Kit - Mitered for 90 deg elbow
CMTX5S		Tube/Reflector Extension Pack, HR - 5 ft.
CMCS006		Wall Thimble 4" for combustible walls

Tube & Baffle Layouts



Suggested minimum installation height (ft) for a typical tube heater

(MBTU/Hr)	Space Heating	Spot Heating
40 or less	8 - 10	8
41 to 60	9 - 12	9
61 to 80	11 - 15	11
81 to 100	12 - 16	12
101 to 125	14 - 18	14
126 to 150	16 - 23	16
151 to 175	17 - 25	18
176 to 200	Over 20	20
201 and greater	Over 25	25



Clearances to Combustibles (inches)

MODEL	ITH 60			ITH 100			ITH 125			ITH 175			ITH 205			ITH 220		
Configuration	Top	Side	Below	Top	Side	Below	Top	Side	Below	Top	Side	Below	Top	Side	Below	Top	Side	Below
Straight-Horizontal	2	25	58	2	30	67	4	33	71	6	40	78	6	44	80	6	46	83
Straight—45 Tilt	4	4-46	50	4	4-58	67	6	4-63	70	8	4-67	74	8	4-72	78	8	4-77	81
U-Tube-Horizontal	2	25	59	2	30	71	4	34	74	6	40	78	6	45	82	6	46	86

- Other layout configurations are approved
- Side reflectors and lower shields are available

- Lower clearances are allowable at 25' from burner
- See installation manual for complete information

