

# BIG ASS FANS INFRARED HEATER

Big Ass Fans Infrared Heaters are the smart way to heat any industrial or commercial space. Protect your people through the colder months with advanced heating technology that directly warms occupants and objects, not the air. Whether you're pairing it with HVLS fans to heat your entire facility or turning cold spots comfortable with its precision targeting, Big Ass Fans Infrared Heaters have the power and performance you need to keep your whole team happy and warm.



## KEY FEATURES

- ▶ **The most energy-efficient** type of heating
- ▶ **High-quality components** provide years of operation with limited maintenance
- ▶ **Straight or U-Tube designs** create even heating patterns throughout a facility
- ▶ **Directly heats occupants and objects**, not air
- ▶ **Hinged burner box** for safety and ease of maintenance
- ▶ **Digital or programmable thermostat** saves time and money

### INPUT

80, 125, 150,  
AND 200 KBTU/H

### FUEL

NATURAL GAS  
OR LPG PROPANE

### VOLTAGE

120 V, 60 HZ

### WARRANTY

3 YEARS

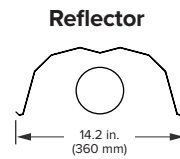
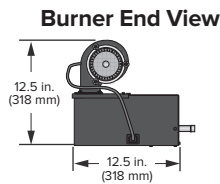
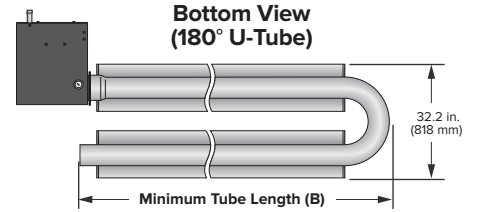
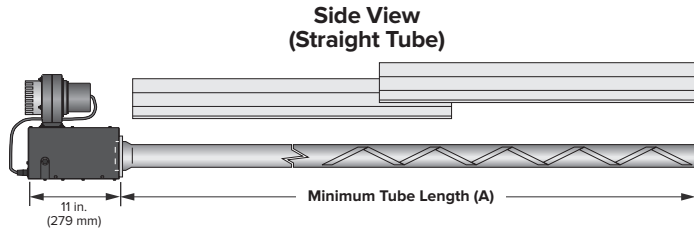


## DISCOVER MORE ABOUT BIG ASS FANS INFRARED HEATER

Learn more at [bigassfans.com/heaters](https://bigassfans.com/heaters)  
or call **877.BIG.FANS** for a free custom quote.

# IRH INFRARED HEATER

HEAT WHAT MATTERS MOST.



## Technical Specifications

Model <sup>1</sup>	Input (Btu/h)	Minimum Straight Tube Length (A)	Minimum U-Tube Length (B)	Burner Weight	Tube Weights (with Reflector)	Fuel	Input power and breaker	Environment <sup>2</sup>
IRH 80	80,000	20 ft (6 m)	11.58 ft (353 cm)	29 lb (13.2 kg)	20 ft (6 m): 86 lb (39 kg)	Natural gas or LPG propane (IRH 200 available only in natural gas)	120 V, 60 Hz, 1 A	Indoor use only (vented or unvented)
IRH 125	125,000	30 ft (9.1 m)	16.58 ft (505 cm)		30 ft (9.1 m): 120 (54.4 kg)			
IRH 150	150,000	40 ft (12.2 m)	21.58 ft (658 cm)		40 ft (12.2 m): 161 lb (73 kg)			
IRH 200	200,000	50 ft (15.2 m)	31.58 ft (963 cm)		50 ft (15.2 m): 206 lb (93.4 kg) U-Tube: 19 lb (8.6 kg)			

## Fuel Specifications

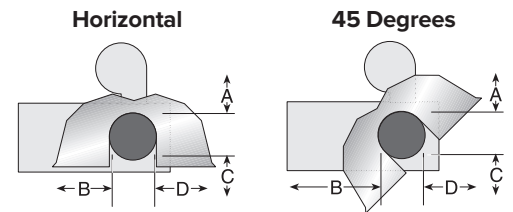
Model	Inlet Pressure (Min/Max)		Gas Connection NPT	Combustion Air Inlet Diameter	Exhaust Flue Diameter
	Natural Gas	LPG Propane			
IRH 80	4.6" / 14" wc	11" / 14" wc	1/2"	4"	4"
IRH 125	4.6" / 14" wc	11" / 14" wc			
IRH 150	4.6" / 14" wc	11" / 14" wc			
IRH 200	5" / 14" wc	—			

## Construction and Accessories

Heat Exchanger Tubing	Reflector and End Caps	Certification	Accessories <sup>1</sup>
10 ft (3 m) sections, ø4", 16 Gauge, First tube: 10 ft (3 m) ALUMI-THERM® steel tubing Remaining tubes: Heat treated aluminized steel	0.024 aluminum	ANSI Z83.20/CSA 2.34, 2.17, 2.20	Aluminized steel U-tube Reflector side extension Thermostat, 24 V, digital programmable

## Required Clearances to Combustibles

	IRH 80		IRH 125		IRH 150		IRH 200	
	Horizontal	45°	Horizontal	45°	Horizontal	45°	Horizontal	45°
A	6 in. (152 mm)	8 in. (203 mm)	6 in. (152 mm)	10 in. (254 mm)	6 in. (152 mm)	12 in. (305 mm)	8 in. (203 mm)	12 in. (305 mm)
B	38 in. (965 mm)	8 in. (203 mm)	46 in. (1,168 mm)	8 in. (203 mm)	50 in. (1,270 mm)	8 in. (203 mm)	52 in. (1,321 mm)	10 in. (254 mm)
C	65 in. (1,651 mm)	65 in. (1,651 mm)	76 in. (1,930 mm)	77 in. (1,956 mm)	79 in. (2,007 mm)	83 in. (2,108 mm)	96 in. (2,438 mm)	85 in. (2,159 mm)
D	38 in. (965 mm)	60 in. (1,524 mm)	46 in. (1,168 mm)	69 in. (1,753 mm)	50 in. (1,270 mm)	74 in. (1,880 mm)	52 in. (1,321 mm)	79 in. (2,007 mm)



<sup>1</sup> See the following page for ordering information.

<sup>2</sup> Not suitable for wet or salt air environments.

<sup>3</sup> Clearances B, C, and D can be reduced by 50% for tubes located 25 ft (7.6 m) or more downstream from the burner. See the installation guide for additional mounting options and clearances.

Lead times may vary. See full warranty for coverage information.



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# IRH INFRARED HEATER

HEAT WHAT MATTERS MOST.



Model	United States		Canada	
	Burner (Natural Gas) Part Number	Burner (Propane) Part Number	Burner (Natural Gas) Part Number	Burner (Propane) Part Number
IRH 80	BF7180N-20A	BF7180P-20A	BF7180N-20A-CA	BF7180P-20A-CA
IRH 125	BF71125N-30A	BF71125P-30A	BF71125N-30A-CA	BF71125P-30A-CA
IRH 150	BF71150N-40A	BF71150P-40A	BF71150N-40A-CA	BF71150P-40A-CA
IRH 200	BF71150N-50A	Not Available	BF71150N-50A-CA	Not Available

Reflectors Side Extensions	
Description	Part Number
10 ft (3 m) Reflector Side Extension	02712700-10FT
20 ft (6.1 m) Reflector Side Extension	02712700-20FT
30 ft (9.1 m) Reflector Side Extension	02712700-30FT
40 ft (12.2 m) Reflector Side Extension	02712700-40FT
50 ft (15.2 m) Reflector Side Extension	02712700-50FT

U-Tube Packages	
Description	Part Number
U-Tube (IRH 80 and IRH 150)	03011000
U-Tube (IRH 125 and IRH 200)	03011002

Thermostats	
Description	Part Number
Thermostat, 24 V, Digital, Programmable	90425400



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