

# FA SERIES

## GAS-FIRED, SEPARATED COMBUSTION UNIT HEATER

The FA Series line of gas-fired, tubular exchanger, induced draft hot air heaters are available for use in commercial, industrial & agricultural applications. This line of heaters features a low profile design with a durable, powder-coated black enamel exterior and stainless steel louvers for an exceptional aesthetic appeal. The FA Series can be used as separated combustion or power-vented out-of-the-box.

BRANT RADIANT

**RE-VERBER-RAY**

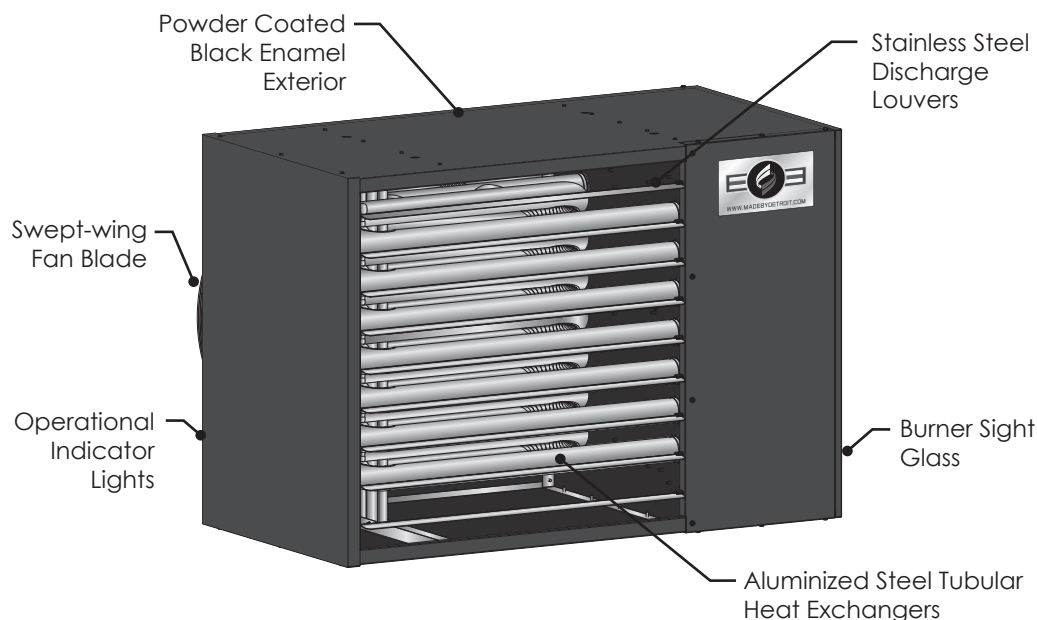
INFRARED RADIANT HEATERS®

HEATERS LIMITED

### COMPACT COMFORT



### PRODUCT FEATURES



- Compact, aesthetically pleasing construction.
- Easy to install with minimal assembly required.
- Swept wing air propeller, for noise reduction.
- Operational indicator lights are standard.
- Finger proof fan guards are standard.
- Models up to 125,000 BTU/h can be rotated 180°.
- North American ETL certified for indoor use.

### TYPICAL APPLICATIONS

- Greenhouses
- Warehouse Spaces
- Service Garages
- Manufacturing Facilities
- Check-in/out Areas
- Vestibules
- Entrance Ways
- Work Stations
- Spot or Total Building Heat

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### VISIT OUR WEBSITE FOR:

- Product Specs
- Parts Support
- Dealer Locator
- Applications
- C.A.D. Library
- Design Guidelines
- Theory of Infrared
- and More!

# FA SERIES

## SPECIFICATIONS

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<b>Input Range:</b>	100,000 to 250,000 BTU/h
<b>Gas Type:</b>	Natural or Propane
<b>Control Housing:</b>	Powder-coated Black Enamel
<b>Heat Exchangers:</b>	Tubular Aluminized Steel
<b>Certification:</b>	ETL Listed North America
<b>Limited Warranty:</b>	1-5-10 (Components-Exchangers-Burners)
<b>24V Controls:</b>	Thermostat Connection
<b>Indicator Lights:</b>	Standard



#### VOLTAGE:

- 120/60 Hz.VAC (primary).
- 24 VAC (thermostatic).
- Single phase.

#### MANIFOLD PRESSURE:

- NG: 3.5" W.C.
- LP: 10.0" W.C.

#### INLET PRESSURE:

- NG: 5.0 to 14.0" W.C.
- LP: 11.0 to 14.0" W.C.

#### GAS CONNECTION

- FA-100-200: 1/2" N.P.T.
- FA-225-250: 3/4" N.P.T.
- Field connect to valve.

#### MOUNTING:

- Non-reversible horizontal mounting.
- Mounting with (4x)-3/8"-16 threaded inserts.

#### VENT & INLET

##### CONNECTION:

- Category I or III venting.
- Rear, horiz. discharge/inlet.

##### CERTIFICATIONS:

- ANSI Z83.8/CSA 2.6
- Commercial/Industrial use.
- Indoor use only.

##### OTHER

- External indicator lights.
- External thermostatic connection.
- Approved for elevations 0 - 2,000 ft. without modifications.
- Supplied standard as separated combustion.

MODEL	FLA AMPS	MOTOR TYPE	MOTOR HP	APPROX. CFM <sup>1</sup>	FAN DIAMETER	AXIAL FAN ROTATION	INLET & VENT CONNECTION
FA-100	5.2	PSC	1/8	1500	18 in.	CCW	4" O.D.
FA-125	5.0	PSC	1/6	1850	18 in.	CCW	4" O.D.
FA-150	10.7	PSC	1/3	2250	22 in.	CCW	6" O.D.
FA-175	10.7	PSC	1/3	2500	22 in.	CCW	6" O.D.
FA-200	10.7	PSC	1/3	3000	22 in.	CCW	6" O.D.
FA-225	10.7	PSC	1/3	3325	22 in.	CCW	6" O.D.
FA-250	10.7	PSC	1/3	3750	22 in.	CCW	6" O.D.

<sup>1</sup> Calculated or approximate number.

#### CLEARANCE TO COMBUSTIBLES (all models)

FRONT	TOP AND BOTTOM	ACCESS SIDE	NON-ACCESS SIDE	REAR	VENT CONNECTION
60 in.	1 in.	18 in.	1 in.	1 in.	6 in.
60 in.	1 in.	18 in.	1 in.	18 in.	6 in.

## AVAILABLE FA SERIES MODELS

MODEL NUMBER	GAS TYPE <sup>2</sup>	INPUT BTU/h	OUTPUT BTU/h	TYPICAL MOUNTING HEIGHT <sup>3</sup>	APPROX. HEAT THROW	AVERAGE AIR TEMP RISE	VENT LENGTH MIN.	VENT LENGTH MAX.	SHIP WEIGHT	HEATER WIDTH DIM "A"	AIR TO VENT DIM "B"	MOUNTS AXIS DIM "C"	MOUNTS AXIS DIM "D"
FA-100	N or LP	100,000	80,000	12 to 14 Ft.	43 Ft.	50°F	3 Ft.	40 Ft.	143 Lbs.	21 in.	9.375 in.	9.5 in.	19.125 in
FA-125	N or LP	125,000	100,000	14 to 16 Ft.	57 Ft.	50°F	3 Ft.	40 Ft.	143 Lbs.	21 in.	9.375 in.	9.5 in.	19.125 in
FA-150	N or LP	150,000	120,000	14 to 16 Ft.	52 Ft.	50°F	3 Ft.	40 Ft.	195 Lbs.	27 in.	12.5 in.	9.5 in.	19.125 in
FA-175	N or LP	175,000	140,000	15 to 17 Ft.	51 Ft.	50°F	3 Ft.	40 Ft.	195 Lbs.	27 in.	12.5 in.	9.5 in.	19.125 in
FA-200	N or LP	200,000	160,000	15 to 17 Ft.	55 Ft.	50°F	3 Ft.	40 Ft.	195 Lbs.	27 in.	12.5 in.	9.5 in.	19.125 in
FA-225	N or LP	225,000	180,000	16 to 18 Ft.	59 Ft.	50°F	3 Ft.	40 Ft.	212 Lbs.	30 in.	13.875 in.	9.5 in.	19.125 in
FA-250	N or LP	250,000	200,000	16 to 18 Ft.	63 Ft.	50°F	3 Ft.	40 Ft.	212 Lbs.	30 in.	13.875 in.	9.5 in.	19.125 in

<sup>2</sup> Specify natural (N) or propane (LP) gas.

<sup>3</sup> Factory recommended mounting heights are provided as a guideline. Actual conditions may dictate variations from the above data.

Always maintain the published clearances to combustibles. Clearances published in FA Series manual and on warning label supersede data shown on this brochure.

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