

# RE-VERBER-RAY HEATER SUBMITTAL SHEET

## DET3 SERIES TUBE HEATERS

### TWO STAGE, LOW INTENSITY, GAS-FIRED INFRARED TUBE HEATERS & ACCESSORIES

PROJECT ID: _____	ADDRESS: _____
PROJECT NAME: _____	_____
DATE: _____	CITY: _____ STATE: _____ ZIP: _____
.....	
Submitted By: _____	Address: _____
Company: _____	_____
Phone: _____	City: _____
Email: _____	State: _____ Zip: _____
.....	
Engineer: _____	Contractor: _____
Phone/Email: _____	Phone/Email: _____
Address: _____	Address: _____
City: _____	City: _____
State: _____ Zip: _____	State: _____ Zip: _____

QTY.	MODEL #	TAG	INDICATE GAS TYPE	BTU/h High Fire	BTU/h Low Fire	STRAIGHT LENGTH	U-TUBE LENGTH	STD. WEIGHT	TYP. OR RCMD. MOUNTING HEIGHTS <sup>1</sup>
	DET3-20-65		Nat. or Prop.	65,000	50,000	21'-9"	13'-1"	120 lbs.	9' to 14'
	DET3-20-75		Nat. or Prop.	75,000	50,000	21'-9"	13'-1"	120 lbs.	10' to 15'
	DET3-30-65		Nat. or Prop.	65,000	50,000	31'-5"	17'-9" <sup>2</sup>	160 lbs.	10' to 15'
	DET3-30-75		Nat. or Prop.	75,000	50,000	31'-5"	17'-9" <sup>2</sup>	160 lbs.	11' to 18'
	DET3-30-100		Nat. or Prop.	100,000	65,000	31'-5"	17'-9" <sup>2</sup>	160 lbs.	12' to 20'
	DET3-30-125		Nat. or Prop.	125,000	82,000	31'-5"	17'-9" <sup>2</sup>	160 lbs.	13' to 23'
	DET3-40-65		Nat. or Prop.	65,000	50,000	41'-1"	22'-9"	190 lbs.	11' to 18'
	DET3-40-75		Nat. or Prop.	75,000	50,000	41'-1"	22'-9"	190 lbs.	11' to 18'
	DET3-40-100		Nat. or Prop.	100,000	65,000	41'-1"	22'-9"	190 lbs.	12' to 20'
	DET3-40-125		Nat. or Prop.	125,000	82,000	41'-1"	22'-9"	190 lbs.	13' to 23'
	DET3-40-150		Nat. or Prop.	150,000	100,000	41'-1"	22'-9"	190 lbs.	14' to 25'
	DET3-40-175		Nat. or Prop.	175,000	125,000	41'-1"	22'-9"	190 lbs.	15' to 27'
	DET3-50-125		Nat. or Prop.	125,000	82,000	50'-9"	27'-5" <sup>2</sup>	235 lbs.	15' to 27'
	DET3-50-150		Nat. or Prop.	150,000	100,000	50'-9"	27'-5" <sup>2</sup>	235 lbs.	15' to 27'
	DET3-50-175		Nat. or Prop.	175,000	125,000	50'-9"	27'-5" <sup>2</sup>	235 lbs.	16' to 30'
	DET3-50-200		Nat. or Prop.	200,000	145,000	50'-9"	27'-5" <sup>2</sup>	235 lbs.	17' to 35'
	DET3-60-150		Nat. or Prop.	150,000	100,000	60'-5"	32'-5"	265 lbs.	16' to 30'
	DET3-60-175		Nat. or Prop.	175,000	125,000	60'-5"	32'-5"	265 lbs.	16' to 30'
	DET3-60-200		Nat. or Prop.	200,000	145,000	60'-5"	32'-5"	265 lbs.	17' to 35'
	DET3-70-175		Nat. or Prop.	175,000	125,000	70'-1"	37'-3" <sup>2</sup>	300 lbs.	19' to 42'
	DET3-70-200		Nat. or Prop.	200,000	145,000	70'-1"	37'-3" <sup>2</sup>	300 lbs.	19' to 42'

<sup>1</sup>Typical or recommended mounting heights are provided as a guideline. Actual conditions may dictate variations from this data.

<sup>2</sup>Model requires 5EA-SUB accessory package when installing in a 'U' configuration.



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 Warren, MI 48089 | www.reverberray.com

## DET3 SERIES FEATURED SPECIFICATIONS

### APPROVALS

- CSA Design Certified
- Commercial/Industrial Approval

### BURNER CONTROL BOX

- Sight glass for burner inspection
- Totally enclosed components
- Serviceable while in operation
- Coated enameled steel

### GAS CONNECTION

- 7/8 in. flare-M FPT connection to 1/2 in. x 24 in. (304) SS flex connector provided

### GAS SUPPLY (Inches W.C.)

- Manifold pressure: Nat 3.5; Prop 10.0
- Min. inlet pressure: Nat 5.0; Prop 11.0
- Max. inlet pressure: Nat 14.0; Prop 14.0

### POWER SUPPLY

- 120 VAC, 60 Hz GRD, 1 Ph., 3-wire
- 60 in. grounded power cord
- Ignition current: 1.7 amps
- Running current: 1.1 amps

### CONTROLS

- Two stage gas valve (at 100% and 65%)
- Air proving safety switch
- Direct spark ignition
- Pre-purge controls
- Flame rod sensing
- 24 V thermostatic control voltage
- Moisture and corrosion-resistant ignition module

### REFLECTOR

- Highly polished aluminum
- Continuous overlap design
- One reflector center support per heater

### COMBUSTION & RADIANT TUBES

- Coated aluminized (below 150 MBH) or titanium treated (150–200 MBH) primary combustion chamber
- Coated aluminized secondary combustion chamber (150–200 MBH models)
- 16 ga. 4" O.D. hot-rolled steel radiant emitter tube(s)
- Slip-fit swaged tube connection
- Turbulator baffle

### COMBUSTION AIR INLET & VENTING

- Preset 4 in. combustion air inlet collar
- Sidewall or roof venting

### LIMITED WARRANTY

- 1 year–Burner box components
- 3 years–Combustion and radiant tubes
- 5 years–Burner

## OPTIONAL UPGRADES

Options in this section must be ordered at time of manufacture and cannot be added after heater is built.

- SILSEAL** Protects internal burner box components against contaminants.
- SEA-SUB** Substitute one 10 ft. radiant tube and reflector for two 5 ft. pieces. This is ideal for making U-shaped heaters from 30 ft., 50 ft., & 70 ft. models. Maximum of one per heater.
- ALUM-AO** Upgrade hot-rolled steel tubes to black-coated 16 ga. aluminized steel tubes.
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

## STAINLESS STEEL UPGRADES

- SSRAO** 10 ft. Reflector Section.
- SSC-##** Tube Clamps (## = heater length).
- SSB-##** Mounting Brackets (# = heater length).



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