

DETROIT RADIANT

RE-VERBER-RAY

RADIANT GAS HEATERS®

PRODUCTS COMPANY

INTERNATIONAL

SERIES

● GTD ○ GTS

GTD SERIES

GAS-FIRED, DUAL STAGE, INFRA-RED HEATERS

The GTD Series, packed with many quality features, is the most energy efficient infra-red tube heater available anywhere! Our patented two stage technology, incorporated into the GTD Series, provides more comfort while saving valuable energy dollars. In addition, the highest quality materials and construction features ensure years of reliable and efficient operation. No other infra-red heater can match the performance and quality of the GTD Series!



PRODUCT FEATURES

- Inputs of 20.0 to 60.0 kw
- Available in Tube Lengths of 6710 mm to 21335 mm
- Coated Titanium or Aluminized Combustion Chamber
- Coated Aluminized or Optional Economy Hot Rolled Steel Radiant Tubes
- Patented Two-Stage Technology
- Highly Polished Aluminum Reflectors
- Stainless Steel Burner
- Spark Ignition System
- Enameled Control Box
- Optional #3 Brushed Stainless Steel Control Box
- Optional 'U' or 'L' Configuration

PRODUCT FEATURES COMPARISON CHART

	● GTD	○ GTS	OTHER
Highly Polished Aluminum Reflectors	●	○	
Coated Titanium or Aluminum Combustion Chamber	●	○	
Coated Aluminized Radiant Tubes	●	○	
Hot Surface Ignition	●	○	
Flex Connector (610mm Stainless Steel)	●	○	
Ball Valve with Pressure Tap Available	●	○	
Two-stage Technology	●	○	
Interlocking Swaged Tubes	●	○	
Stainless Steel Upgrades Available	●	○	
Reflector End Caps Included	●	○	
Optional 'U' or 'L' Configurations Available	●	○	

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VISIT OUR WEBSITE FOR:

- Product Specs
- Parts Support
- Dealer Locator
- Applications
- C.A.D. Library
- Design Guidelines
- Theory of Infra-red
- And More!

GTD SERIES

SPECIFICATIONS



PRODUCT SPECIFICATIONS

Input Range:	20.0 - 60.0 kW
Lengths:	6710 - 21335mm
Gas Type:	G20 (I2H), G25 (I2L) and G31 (I3P)
Radiant Tube Options:	Commercial, Industrial, Poultry, Swine
Certifications:	CE, AU, RU, NZ

OPTIONAL EQUIPMENT

"U" or "L" Configurations:	Available (RU, RE)
Stainless Steel Upgrades:	Available (SSRAO, SSFWAO, SSC, SSB)
Indicator Lights:	Standard
Protective Guards:	Available (PG)
Side Shield Extensions:	Available (SSE)

ELECTRICAL

- 230V, 50Hz
- 1.0A starting, 0.6A running

CONTROLS

- 230V thermostat control

TUBE CONSTRUCTION

- As shown at left
- 101.6mm x 3048mm; 16 gauge
- Labor saving, interlocking swaged tube design

REFLECTORS

- Highly polished aluminum
- End caps included
- 0° - 45° rotatable angle
- Tension springs.

IGNITION/SENSE

- Spark ignition
- Flame sense

VENTING

- 100mm single
- Optional 150mm common (with single thermostat)

GAS CONNECTION

- Brass ball valve included

GAS PRESSURES

- See Instruction Manual

COMBUSTION AIR

- Equipped for ducted air intake from roof or sidewall

KIT CONTENTS

- All hangers & couplers
- Reflector end caps
- Turbulator baffle(s)

AVAILABLE GTD MODELS & CLEARANCES

MODEL #	GAS*	kW (High/Low)	LENGTH	WEIGHT	RECOMMENDED MOUNTING HEIGHTS**
GTD-20(6M)	I2H, I2L, I3P	20.0/15.0	6710 mm	54.5 kg	3.3 to 6.1M
GTD-20(9M)	I2H, I2L, I3P	20.0/15.0	9525 mm	72.5 kg	3.7 to 7.0M
GTD-20(12M)	I2H, I2L, I3P	20.0/15.0	12470 mm	86.0 kg	3.7 to 7.6M
GTD-25(6M)	I2H, I2L, I3P	25.0/15.0	6710 mm	54.5 kg	3.3 to 6.1M
GTD-25(9M)	I2H, I2L, I3P	25.0/15.0	9525 mm	72.5 kg	3.7 to 7.0M
GTD-25(12M)	I2H, I2L, I3P	25.0/15.0	12470 mm	86.0 kg	3.7 to 7.6M
GTD-30(9M)	I2H, I2L, I3P	30.0/20.0	9525 mm	72.5 kg	3.7 to 7.0M
GTD-30(12M)	I2H, I2L, I3P	30.0/20.0	12470 mm	86.0 kg	3.7 to 7.6M
GTD-30(15M)	I2H, I2L, I3P	30.0/20.0	15420 mm	106.5 kg	4.6 to 8.2M
GTD-35(12M)	I2H, I2L, I3P	35.0/30.0	12470 mm	86.0 kg	3.7 to 7.6M
GTD-35(15M)	I2H, I2L, I3P	35.0/30.0	15420 mm	106.5 kg	4.6 to 8.2M
GTD-40(12M)	I2H, I2L, I3P	40.0/30.0	12470 mm	86.0 kg	4.6 to 9.2M
GTD-40(15M)	I2H, I2L, I3P	40.0/30.0	15420 mm	106.5 kg	4.9 to 12.2M
GTD-40(18M)	I2H, I2L, I3P	40.0/30.0	18365 mm	120.0 kg	4.9 to 12.2M
GTD-45(12M)	I2H, I2L, I3P	36.6/27.8	12470 mm	86.0 kg	4.6 to 9.2M
GTD-45(15M)	I2H, I2L, I3P	43.9/29.3	15420 mm	106.5 kg	4.9 to 12.2M
GTD-45(18M)	I2H, I2L, I3P	50.0/35.0	18365 mm	120.0 kg	4.9 to 12.2M
GTD-50(12M)	I2H, I2L, I3P	55.0/40.0	12470 mm	86.0 kg	4.6 to 9.2M
GTD-50(15M)	I2H, I2L, I3P	60.0/40.0	15420 mm	106.5 kg	4.9 to 12.2M
GTD-50(18M)	I2H, I2L, I3P	50.0/35.0	18365 mm	120.0 kg	4.9 to 12.2M
GTD-55(15M)	I2H, I2L, I3P	55.0/40.0	15420 mm	106.5 kg	4.9 to 12.2M
GTD-55(18M)	I2H, I2L, I3P	55.0/40.0	18365 mm	120.0 kg	4.9 to 12.2M
GTD-55(21M)	I2H, I2L, I3P	55.0/40.0	21335 mm	136.0 kg	5.1 to 12.2M
GTD-60(15M)	I2H, I2L, I3P	60.0/45.0	15420 mm	106.5 kg	4.9 to 12.2M
GTD-60(18M)	I2H, I2L, I3P	60.0/45.0	18365 mm	120.0 kg	4.9 to 12.2M
GTD-60(21M)	I2H, I2L, I3P	60.0/45.0	21335 mm	136.0 kg	5.8 to 12.8M

GTD CLEARANCES TO COMBUSTIBLES (mm)

MODEL NO.	MOUNTING ANGLE	SIDE			
		FRONT	BEHIND	TOP	BELOW
GTD 20	0°	229	229	152	1524
	45°	991	203	254	1524
W/1 Side Shield	0°	737	203	152	1524
W/2 Side Shields	0°	229	229	152	1524
6096mm from Burner	0°	178	178	152	762
GTD 25, GTD 30	0°	356	356	152	1676
	45°	991	203	254	1676
W/1 Side Shield	0°	737	203	152	1676
W/2 Side Shields	0°	406	406	152	1676
6096mm from Burner	0°	178	178	152	762
GTD 35	0°	508	508	152	1930
	45°	1473	203	254	1930
W/1 Side Shield	0°	1067	203	152	1930
W/2 Side Shields	0°	508	508	152	1930
6096mm from Burner	0°	178	178	152	762
GTD 40, GTD 45	0°	610	610	152	2057
	45°	1473	203	254	2057
W/1 Side Shield	0°	1067	203	152	2057
W/2 Side Shields	0°	584	584	152	2057
6096mm from Burner	0°	279	279	152	1118
GTD 50	0°	864	864	152	2337
	45°	1600	203	254	2337
W/1 Side Shield	0°	1270	203	152	2337
W/2 Side Shields	0°	762	762	152	2337
6096mm from Burner	0°	279	279	152	1118
GTD 55, GTD 60	0°	1041	1041	152	2388
	45°	1600	203	254	2388
W/1 Side Shield	0°	1372	203	152	2388
W/2 Side Shields	0°	762	762	152	2388
6096mm from Burner	0°	279	279	152	1118

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

* Specify gas type. ** Recommended mounting heights are provided as a guideline. Actual conditions may dictate variations from the above data.

