

"The Infrared Specialist"

"Choose Your Energy Source Gas or Electric"

23 82 00/FOS

Buy Line 1979



Quality Since 1917

A Division of TPI Corporation



Information and Advantages of Infrared Heating

Advantages of Infrared Heating

- Heats People Without Heating Air
- Zone Control Flexibility
- Staging
- Instant Heat
- Negligible Maintenance
- Clean & Safe
- Efficient
- Heating Cost Reduced 20-50%

Types of Infrared Applications

- Total Area/Building Heating
- Indoor Spot or Partial Area Heating
- Outdoor Spot Heating
- Snow and Ice Control Heating System (Electric Only)

Quality Since 1917

A Brief History

The Company's first 50 years consisted of a number of very important product developments. Fostoria started by manufacturing replacement parts for automobiles in 1917 and its claim to fame was the "Fostoria Fender".

As the fender market fell during the Great Depression engineers developed a series of critical work area lights for industry. This product line along with several others carried Fostoria through the 1930s and contributed greatly to the war effort.

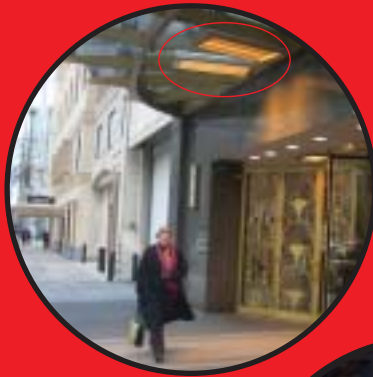
In the early 1930s, Fostoria produced reflectors for Ford Motor Company's infrared process plants. By 1939 Fostoria had developed their own line of infrared equipment. The majority of the pioneering work done in the late 1930s and throughout the 1940s was accomplished in Fostoria's facilities by Fostoria's technicians. By the time the war ended, Fostoria was the world leader of infrared heating primarily for the automotive industry.

Since that time, Fostoria has played the leading role in developing the practical technology of infrared for industrial processing and commercial heating.



In May 1973, TPI Corporation of Johnson City, Tennessee purchased Fostoria Industries. The product diversity of Fostoria Industries made an attractive addition to the TPI Product Groups.

Today, TPI, "America's Comfort Conditioning Company", offers a complete line of Electric & Gas Heating, Ventilation and Task Lighting Equipment for the commercial and industrial industry.



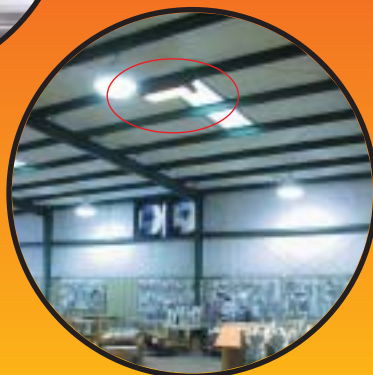
Outdoor Spot Heating



Indoor Spot Heating



Snow & Ice Control Heating Systems



Total Area Building Heating

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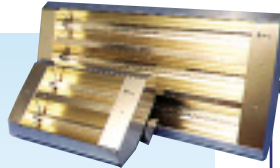
Electric Infrared Comfort Heaters

Mul-T-Mount Heaters

Fostoria's "Mul-T-Mount" high-density, Quartz Lamp Infrared Heaters provide instantaneous radiant heat in areas where a forced air heater would require more time and energy to heat. Electric Infrared heats people and objects directly, and re-radiates in the form of convection heat. Objects within the reflector/heat

pattern such as tools, work benches and floors are quickly warmed.

Three lamp Mul-T-Mount heaters produce 50% higher watt densities for a given reflector pattern, adding flexibility in the design of heating systems.



Overhead Infrared Heaters for Snow / Ice, Outdoor Spot, and all Indoor Heating Applications



3-Element Mul-T-Mount Series
STAINLESS
STEEL
CONSTRUCTION



2-Element Mul-T-Mount Series
with Baked Brown Enamel Finish
or STAINLESS STEEL Finish

2 & 3 Element Mul-T-Mount Heaters Shipped with Quartz Lamps

SERIES	DIMENSIONS	# OF ELEMENTS	AVAILABLE VOLTAGES	BTUs	kW
222	24"x15"x7-7/8"	2	208, 240, 277 & 480	10,922	3.2
223	24"x21-1/2"x7-7/8"	3	208, 240, 277 & 480	16,382	4.8
342	33"x15"x7-7/8"	2	208, 240, 277 & 480	17,065	5
343	33"x21-1/2"x7-7/8"	3	208, 240, 277 & 480	25,298	7.5
462	46"x15"x7-7/8"	2	480	24,915	7.3
463	46"x21-1/2"x7-7/8"	3	480	37,372	10.95

NOTE: Infrared heaters can be controlled from various power control options. Please consult the factory for complete design and technical assistance regarding your particular heating application.

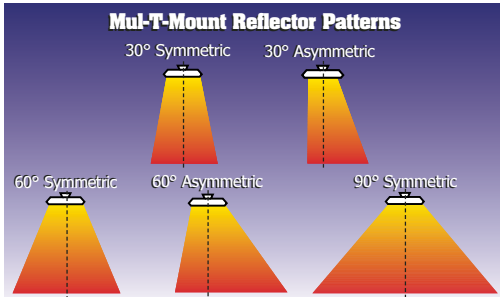
Model Configuration

SERIES	REFLECTOR PATTERN	TAB HINGE	MATERIAL	VOLTAGE
222	30	TH	BLANK =	208V
(*) 223	60		BROWN	240V
342	90			277V
(*) 343	A30		SS = STAINLESS	480V
462	A60		STEEL	
(*) 463				

(*) 3-Lamp models offered in Stainless Steel Material Only

NOTE: 462/463 Series offered in 480-volts Only

Model Configuration Example: 222-A30-THSS-208V



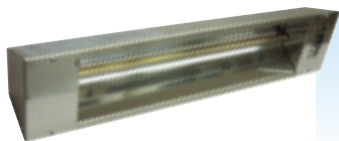
Features

- UL/C-UL Listed for suspended, totally exposed (outdoor), high bay (indoor) comfort heating and exterior snow/ice control applications
- UL/C-UL Listed for recessed applications
- 20 Gauge painted galvanized steel or stainless steel housings
- Gold anodized aluminum reflectors and end caps
- Built-in surface mounting bracket allows for fixture adjustment up to 45° horizontal tilt
- 50% higher watt densities for 3-element units
- 2 Lamp units, single-phase (Multiples of 3 units can be wired at three-phase - consult factory for three-phase wiring)
- 3 Lamp units, three or single-phase

Optional Mounting Brackets

- Vertical Mounting Bracket (Model VMB-41-SS) Allow units to mount 36" from a vertical surface to the center of the heater
- Recess Mounting Frames (RMF-Series) Mul-T-Mounts are UL/C-UL Listed for recessed applications such as outdoors canopies or interior ceilings
- Wire Guards (CHWG-Series) Optional wire guards are available for all 2 & 3-Lamp units
- Snow & Ice Control Systems Also Available

Outdoor Rated Stainless Steel Infrared Heater



Features

- Compact single element design
- Red Quartz Lamp Included
- Optional wire guard available

Model	Volts	Watts	BTU
RPH-208 A	208	1600	5,461
RPH-240 A	240	1600	5,461



NOTE: Please consult factory for control options on all heaters



For more information
call for our complete Design
& Technical Manual or our
Electric Infrared Slide Guide

Outdoor/Indoor Quartz IR Spot Heater



Heater can be surface mounted using built-in brackets which allow up to a 45° horizontal tilt adjustment

Features

- Compact single element design
- Totally Exposed Areas
- Frosted Quartz Tube included
- Optional wire guard & stainless steel housing available
- 277V also available



Model	Volts	Watts	BTU
OCH-46-120V	120	1500	5120
OCH-46-208V	208	2000	6826
OCH-46-240V	240	2000	6826
OCH-57-208V	208	3000	10239
OCH-57-240V	240	3000	10239
OCH-57-480V	480	2250	7679

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Positive Pressure Gas Infrared Tube Heater Specifications

Model Configuration

Model	MBTU/Hr	Gas Type	Tube (ft.)
FTH Straight-Tube	40, 60, 75, 100, 125, 150, 175 or 200	N= Natural Gas P= Propane Liquid	10', 15', 20', 25', 30', 35', 40', 45', 50', 55', 60', 65', 70', 75' or 80'
FUT U-Tube			



Clearances to Combustibles

FTH Model # (Straight)	Clearance to Combustibles - 0 Tilt			Clearance to Combustibles - 45 Tilt			Applications
	Top / Below	Left Side	Right Side	Top / Below	Back	Front	
Example: FTH 100 N 45							
FTH 40 NP 10, 15, 20	6" / 70"	40"	40"	10" / 73"	8"	64"	Warehouses
FTH 60 NP 20, 25, 30	6" / 70"	40"	40"	10" / 73"	8"	64"	Pole Barns
FTH 75 NP 25, 30, 35, 40	6" / 70"	40"	40"	10" / 73"	8"	64"	Auto Dealers
FTH 100 NP 30, 35, 40, 45, 50	6" / 70"	40"	40"	10" / 73"	8"	64"	Sports Arenas
FTH 125 NP 40, 50, 55, 60	8" / 82"	52"	52"	12" / 85"	8"	79"	Aircraft Hangers
FTH 150 NP 50, 55, 60, 65	8" / 82"	52"	52"	12" / 85"	8"	79"	Factories
FTH 175 NP 50, 55, 60, 65, 70	8" / 82"	52"	52"	12" / 85"	8"	79"	Body Shops
FTH 200 N 60, 65, 70, 75, 80	8" / 82"	52"	52"	12" / 85"	8"	79"	Truck Garages
Example: FUT 100 P 40							
FUT 60 NP 20, 30	6" / 75"	40"	39"	8" / 73"	8"	52"	Fire Stations
FUT 75 NP 30, 40	6" / 75"	40"	39"	8" / 73"	8"	52"	Loading Docks
FUT 100 NP 30, 40, 50	6" / 75"	40"	39"	8" / 73"	8"	52"	Farm Buildings
FUT 125 NP 40, 50, 60	8" / 87"	54"	51"	8" / 85"	8"	70"	Restaurants
FUT 150 NP 50, 60	8" / 87"	54"	51"	8" / 85"	8"	70"	And Many More
FUT 175 NP 50, 60, 70	8" / 87"	54"	51"	8" / 85"	8"	70"	
FUT 200 N 60, 70, 80	8" / 87"	54"	51"	8" / 85"	8"	70"	

* Available in High Altitude Models (75-175MBTU/Hr) Consult Your Installation Manual
 * For optional Aluminized Emitter Tubing (Painted Black), add A to end of model number. Example FTH100N50A
 * NOTE: FUT NOT available at 40MBTU/Hr; LP Gas NOT available at 200 MBTU/Hr

Features

- CSA Certified (Formerly AGA)
- 40-200MBTU/Hr Inputs - Nat. & LP Gas
- 10' to 80' Tube Lengths - 4" dia.
- Straight (FTH) & U-Tube (FUT) Systems
- Fixed Air Shutters
- Single Air Pressure Switch Operation
- Outside Combustion Air Collar
- Hot Surface Ignition - 120V Controls
- Burner Fully Assembled & Tested
- Powder-coated Burner Enclosure
- Operating Indicator Lights
- 16 ga. Alumi-Therm Combustion Tube
- 16 ga. Hot Rolled Black Steel Tubes
- Optional Aluminized Emitter Painted Tubes
- Turbulator Baffles (40-100MBTU/Hr)
- Aluminum Reflectors-adjust to 45°
- Reflector End Caps

Positive Pressure Gas Infrared Tube Heater



Hi-Intensity & Marquee Specifications

Hi-Intensity Model Configuration

Model Series	MBTU/Hr	Control Options
FS	20, 40, 60, 80, 100 or 120	See Chart Below

Marquee Model Configuration

Model Series	MBTU/Hr	Control Option
FSM	60	NED



Control Options

NED	Natural Gas, Direct Spark Ignition, 24V Operating Control, 120V / 24V Transformer Included
PED	LP Gas, Direct Spark Ignition, 24V Operating Control, 120V / 24V Transformer Included
NSG	Natural Gas, Manual Pilot Ignition via Self-Generating Power Supply. Millivolt Thermostat Included
PSG	LP Gas, Manual Pilot Ignition via Self-Generating Power Supply. Millivolt Thermostat Included

Product Specifications Clearances to Combustibles

High Intensity	Side	Rear	Top	Below
FS 20	36"	36"	36"	36"
FS 40	36"	40"	40"	48"
FS 60	36"	40"	40"	72"
FS 80	36"	40"	40"	108"
FS 100	36"	40"	40"	108"
FS 120	36"	40"	44"	108"
Marquees	Side	Rear	Top	Below
FSM 60	36"	40"	40"	72"

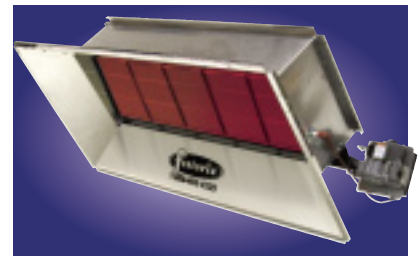
Note: Marquee NOT CSA

Features

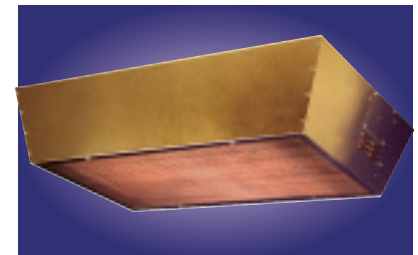
- Modular Burner Design
- CSA Certified (Formerly AGA)
- 24V Operating Voltage
- Horizontal to 20° Angle Mounting
- .050 Bright Aluminum Reflector
- 120V / 24V Transformer Included

Marquee heater recommended for indoor or protected outdoor applications where wind is a problem. Features gold anodized aluminum wind shroud with grille face.

Hi-Intensity Heater



Marquee Heater



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Loading Dock Lights

Fostoria Dock Light Fixtures

Available with Four Different Light Sources:

- * Incandescent (INC)
- * Quartz Halogen (QH/SQH)
- * Metal Halide (MH)
- * Fluorescent (FL)

Fostoria offers our Dock Lights in either Fully Assembled or Modular Style Dock Lights (Lighthoods and Dock Arms in separate cartons). All VA (Vertical Adjustment) Dock Arm Models allow the outer arm to adjust 300° horizontally and 210° vertically. All LDA (Loading Dock Arm) fixtures have a dual arm attachment at the wall base-mounting bracket. The LDA models have one single arm that swivels 300° horizontally, but does not swivel vertically.

All Fostoria Dock Lighthouse & Arm assemblies are UL/C-UL Listed and meet NEC and OSHA general safety requirements.

For today's fifty foot plus trailers a standard incandescent may not have the light output you need to accurately read labels and UPC codes. The NEW 100 watt Metal Halide has a light output of 7,800 lumens and the 500 watt Quartz Halogen is 11,000 lumens - six times the output of a 150 watt R-40 or PAR-38 incandescent lamp.

Fully Assembled Dock Lights

Catalog No.	Item No.	Light Source Data			# Arms	Total Arm Length	Vertical Arm Adjustment	Lamp Guard Included
		Type	Wattage	Included				
DKL-24-A	04466402	Incand	150-300	No	1	24"	No	Yes
DKL-40VA-A	04466502	Incand	150-300	No	2	40"	Yes	Yes
DKL-60VA-A	04466602	Incand	150-300	No	2	60"	Yes	Yes
DKL-25-FLX	03854001	Incand	150-300	No	1	18"	No	Yes
DKL-24-QH-A	04467002	Qtz. Halogen	500	Yes	1	24"	No	Yes
DKL-40VA-QH-A	04467102	Qtz. Halogen	500	Yes	2	40"	Yes	Yes
DKL-40VA-SQH-B	04595802	Sensor QH	500	Yes	2	40"	Yes	Yes
DKI-60VA-QH-A	04467202	Qtz. Halogen	500	Yes	2	60"	Yes	Yes
DKL-24-MH-A	04467302	Metal Halide	100	Yes	1	24"	No	Yes
DKL-40VA-MH-A	04467402	Metal Halide	100	Yes	2	40"	Yes	Yes
DKL-60VA-MH-A	04467502	Metal Halide	100	Yes	2	60"	Yes	Yes
DKL-40VA-FL-A	04850302	Fluorescent	55	Yes	2	40"	Yes	Yes

Modular Style Dock Lights

	Catalog No.	Item No.	Light Source Data			# Arms	Total Arm Length	Vertical Arm Adjustment	Modular Plug Recept.
			Type	Wattage	Lamp Inc.				
Light Heads*	DKL-INC	04465602	Incand	150-300	No	-	-	-	-
	DKL-QH	04465702	Qtz Halogen	500	Yes	-	-	-	-
	DKL-SQH	04465802	Sensor QH	500	Yes	-	-	-	-
	DKL-FL	04467002	Fluorescent	55	Yes	-	-	-	-
	DKL-MH	04466002	Metal Halide	100	Yes	-	-	-	-
Arms	24-LDA	04465302	-	-	-	1	24"	No	Yes
	DKL-40VA-ARM	04465402	-	-	-	2	40"	Yes	Yes
	40-LDA	04466102	-	-	-	3	40"	No	Yes
	DKL-60VA-ARM	04465502	-	-	-	2	60"	Yes	Yes
	60-LDA	04466202	-	-	-	3	60"	No	Yes

* Lamp Guard Included with All Light Heads

Dock/Fan Lights

Dock/Fan Lights provide an atmosphere for improving employee safety and efficiency - because employees are more comfortable, less fatigued from heat and forklift fumes, and have better visibility within the trailer.

Select Light Source, Arm & Fan

Light Source	Arm	Fan
Optional Light Head	Mounting Arms	Catalog No.
DKL-INC	24-LDA	LDF-18-TE
DKL-MH	40-LDA	7971702
DKL-QH	60-LDA	
DKL-SQH		
DKL-HPS		

Dock Arms Manufactured to Industrial Standards:

- Double strut steel arms
- Steel Mounting plate
- Powder coated safety yellow
- 18/3 SJT cordset with plug, 4-1/2"
- 14 Gauge, 1-1/2" Steel tubing

High Velocity, 18" Dock Fans

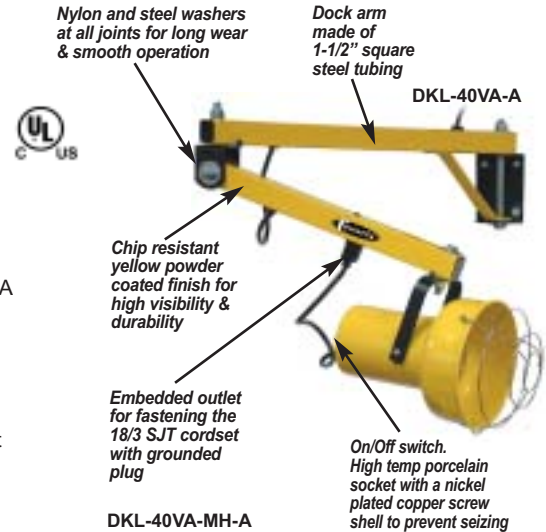
Generates a High CFM for Effective Air Circulation

- Motor: 1/8th HP, 2.0 amp, 5350 CFM, 3-Speed, Self lubricating
- Safety grills front and rear



TPI Corporation • P.O. Box 4973
Johnson City, TN 37602

see us at
Sweets.com



DKL-40VA-MH-A

Metal Halide

- Electronic On Board Ballast
- Light Weight & Compact Design
- Highest Lumen Output On The Market

DKL-40VA-FL-A



Fluorescent

- Cool White Light Generating No Heat
- Bright Aluminum Inner Reflector
- Guard and Bulb Included



Dock / Fan Light 3-Components

- LDF-18-TE
- DKL-INC
- 40-LDA



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