

# TH & THSS Series Mul-T-Mount Electric Infrared Heater

Overhead Infrared Heaters for Snow & Ice Control, Outdoor Spot Heating  
& All Indoor Heating Applications



## Product Description

AVAILABLE IN 2 OR 3 LAMP BROWN ENAMEL OR STAINLESS STEEL.

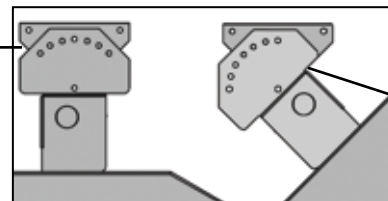


- Listed for suspended, totally exposed (outdoor), high-bay (indoor) comfort heating and exterior snow & ice control applications.
- Listed for recessed applications.
- 20 gauge painted steel or stainless steel housings.
- Gold anodized Aluminum reflectors & end caps.
- 50% higher Watt densities for 3-element units.
- 2-Lamp wiring, single phase.
- 3-Lamp wiring, three or single phase.
- Stainless steel models have non-corrosive housing, hardware and brackets; no ferrous metals used in the unit. Durable in harsh atmospheres & outdoor environments.
- High temperature lead wires.
- Clear Quartz Lamp(s) Included.
- Made in U.S.A.

## Features:

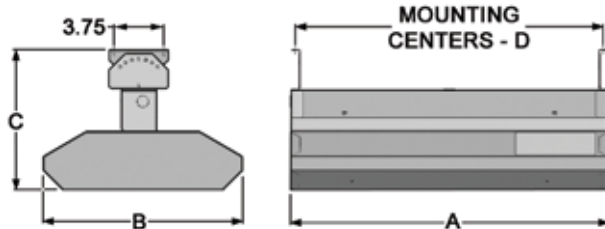
In-Built surface mounting brackets allows for fixture adjustment up to 45° horizontal tilt.

In-built surface mounting brackets attached to the top wiring channel.



0 to 45° tilt @ 15° increments

## Product Dimensions

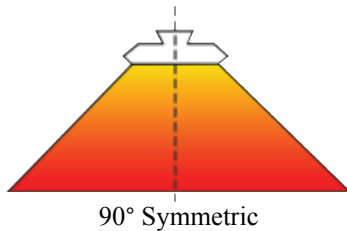
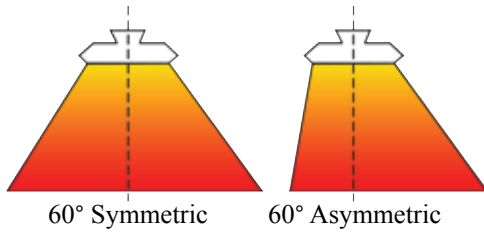
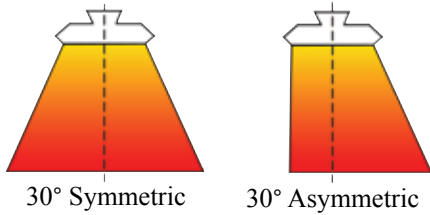


MUL-T-MOUNT SERIES	DIMENSIONS (IN.)			
	"A" LENGTH	"B" WIDTH	"C" HEIGHT	"D" MTG.CTR.
222	24"	15"	10 7/8"	23 1/2"
342	33"	15"	10 7/8"	32 1/2"
462	46"	15"	10 7/8"	45 1/2"
223	24"	21 1/2"	10 7/8"	23 1/2"
343	33"	21 1/2"	10 7/8"	34"
463	46"	21 1/2"	10 7/8"	45 1/2"

## Mounting Clearances & Recommended Mounting Height

Mounting Clearances		Recommended Mounting Height	
2 & 3 Lamp Models	3" from ceiling	30° Symmetric & A30° Asymmetric Reflector - Indoor	14' - 30'
	24" from vertical surface	60° Symmetric & A60° Asymmetric Reflector - Indoor	12' - 18'
2 Lamp Models	72" from face of heater to combustible surface	90° Symmetric Reflector - Indoor	8' - 12'
3 Lamp Models	96" from face of heater to combustible surface	30° Symmetric & A30° Asymmetric Reflector - Outdoor	8' - 10'

## Reflector Patterns



## Product Specifications

**Series:**

- 222, 342, 462 (Painted Version) 2-lamp
- 222, 342, 462 (Stainless Steel Version) 2-lamp
- 223, 343, 463 (Stainless Steel Version) 3-lamp

**Housing:**

20 gauge Galvanized Steel with a baked on, brown enamel (painted) finish. Housing is ETL Listed for both indoor and totally exposed outdoor applications.

20 gauge Stainless Steel for durability and corrosion-resistance. Housing is ETL Listed for both indoor and totally exposed outdoor applications.

**Reflectors and End Caps:**

.040 Gold anodized Aluminum reflectors and end caps for superior reflectivity. Five choices of reflector patterns including 30 degree narrow (symmetric & asymmetric), 60 degree medium (symmetric & asymmetric), and 90 degree wide (symmetric).

**Elements:**

Clear quartz lamps. Coiled tungsten filament located within a sealed quartz envelope, halogen filled, with porcelain end caps and 6" wire pigtail leads. 96% radiant delivered efficiency with high moisture and thermal shock resistance. Instantaneous heat-up and cool-down performance. Available wattages from 500 to 3800 Watts per element. Available voltages from 120 to 600 Volts.

**Controls:**

Mul-T-Mount heaters are not manufactured with any control device on the unit. All controls are accessories and should be specified as such. Please consult the technical sales department of factory for help in determining applicable controls. Please follow installation instructions that accompany each heater.

**Accessories:**

Recessed mounting frames (painted or stainless steel), adjustable mounting brackets (stainless steel only), vertical mounting brackets (stainless steel only), wire guards, thermostats, snow detectors, SCR controllers, and power contactor panels.

## Sizing Chart

Reflective Pattern (°)	Heater Output (kW)	# of Qtz. Lamps	Mounting Heights (FT.)							Watts Delivered per Square Foot						
			8	10	12	14	16	18	20	Mounting Heights (FT.)						
			Heat Pattern Coverage @ Floor Level													
			L x W	L x W	L x W	L x W	L x W	L x W	L x W	8	10	12	14	16	18	20
30°	3.2	2 - Quartz Lamp Heaters	5.5 x 4	6.5 x 5.5	7.5 x 6.5	8.5 x 7.5	9.5 x 8.5	10.5 x 9.5	11.5 x 10.5	145.5	89.5	65.6	50.2	39.6	32.1	26.5
			10.5 x 9.5	13 x 12	15 x 14	17 x 16	N/R	N/R	N/R	32.1	20.5	15.2	11.8	-	-	-
			17 x 16	21 x 20	N/R	N/R	N/R	N/R	N/R	11.8	7.6	-	-	-	-	-
	5.0		6 x 4	7.5 x 5.5	8.5 x 6.5	9.5 x 7.5	10.5 x 8.5	11.5 x 9.5	12.5 x 10.5	208.3	121.2	90.5	70.2	56.0	45.8	38.1
			11.5 x 9.5	14 x 12	16 x 14	18 x 16	20.5 x 18.5	23 x 21	N/R	45.8	29.8	22.3	17.4	13.2	10.4	-
			18 x 16	22 x 20	26 x 24	N/R	N/R	N/R	N/R	17.4	11.4	8.0	-	-	-	-
	7.3		N/R	8.5 x 5.5	9.5 x 6.5	10.5 x 7.5	11.5 x 8.5	12.5 x 9.5	13.5 x 10.5	-	156.1	118.2	92.7	74.7	61.5	51.5
			12 x 10.5	15 x 12	17 x 14	19 x 16	21.5 x 18.5	24 x 21	N/R	57.9	40.6	30.7	24.0	18.4	14.5	-
			19 x 16	23 x 20	27 x 24	N/R	N/R	N/R	N/R	24.0	15.9	11.3	-	-	-	-
30°	4.8	3 - Quartz Lamp Heaters	5.5 x 5	6.5 x 6.5	7.5 x 7.5	8.5 x 8.5	9.5 x 9.5	10.5 x 10.5	11.5 x 11.5	174.5	113.6	85.3	66.4	53.2	43.5	36.3
			10.5 x 10.5	13 x 13	15 x 15	17 x 17	21 x 21	N/R	N/R	43.5	28.4	21.3	16.6	10.9	-	-
			17 x 17	21 x 21	N/R	N/R	N/R	N/R	N/R	16.6	10.9	-	-	-	-	-
	7.5		N/R	7.5 x 6.5	8.5 x 7.5	9.5 x 8.5	10.5 x 9.5	11.5 x 10.5	12.5 x 11.5	-	153.8	117.6	92.9	75.2	62.1	52.2
			11.5 x 10.5	14 x 13	16 x 15	18 x 17	20.5 x 19.5	23 x 22	N/R	62.1	41.2	31.3	24.5	18.8	14.8	-
			18 x 17	22 x 21	26 x 25	N/R	N/R	N/R	N/R	24.5	16.2	11.5	-	-	-	-
	10.95		N/R	8.5 x 6.5	9.5 x 7.5	10.5 x 8.5	11.5 x 9.5	12.5 x 10.5	13.5 x 11.5	-	198.2	153.7	122.7	100.2	83.4	70.5
			12 x 11	15 x 13	17 x 15	19 x 17	21.5 x 19.5	24 x 22	N/R	83.0	56.2	42.9	33.9	26.1	20.7	-
			19 x 17	23 x 21	27 x 25	N/R	N/R	N/R	N/R	33.9	22.7	16.2	-	-	-	-

# TH & THSS Series Mul-T-Mount Electric Infrared Heater

3 Lamp Mul-T-Mount Series - Brown Enamel Or  
Stainless Steel Housing With 3 Clear Quartz Lamps Included



**NOTE:**

- 600-Volt Models also available, contact factory for more information.
- Asymmetrical pattern units are also available for 30° & 60°
- Made in U.S.A.

BROWN HOUSING		STAINLESS STEEL HOUSING		KW	BTUs	VOLTS	REFLECTOR PATTERN	REPLACEMENT ELEMENT	WT. (LBS)			
MFG CATALOG NUMBER	MFG MODEL NUMBER	MFG CATALOG NUMBER	MFG MODEL NUMBER									
04874802	223-30-TH-208V	04436702	223-30-THSS-208V	4.8	16382	208	30° Symmetrical	63016209	25			
04874902	223-30-TH-240V	04436802	223-30-THSS-240V					63016249				
04875002	223-30-TH-277V	04436902	223-30-THSS-277V					63016279				
04875102	223-30-TH-480V	04815802	223-30-THSS-480V			480	60° Symmetrical	63016489				
04875202	223-60-TH-208V	04432802	223-60-THSS-208V			208		63016209				
04875302	223-60-TH-240V	04437302	223-60-THSS-240V			240		63016249				
04875402	223-60-TH-277V	04437402	223-60-THSS-277V			277	90° Symmetrical	63016279				
04875502	223-60-TH-480V	04815902	223-60-THSS-480V			480		63016489				
04875602	223-90-TH-208V	04437802	223-90-THSS-208V			208		63016209				
04875702	223-90-TH-240V	04437902	223-90-THSS-240V			240	30° Symmetrical	63016249				
04875802	223-90-TH-277V	04438002	223-90-THSS-277V			277		63016279				
04875902	223-90-TH-480V	04816002	223-90-THSS-480V			480		63016489				
04876002	343-30-TH-208V	04812302	343-30-THSS-208V	7.5	25298	208	30° Symmetrical	63025209	33			
04876102	343-30-TH-240V	04812402	343-30-THSS-240V					240		63025249		
04876202	343-30-TH-480V	088114394	343-30-THSS-480V					480		63025489		
04876302	343-60-TH-208V	04812602	343-60-THSS-208V			208	60° Symmetrical	63025209				
04876402	343-60-TH-240V	04812702	343-60-THSS-240V			240		63025249				
04876502	343-60-TH-480V	088116394	343-60-THSS-480V			480		63025489				
04876602	343-90-TH-208V	04812902	343-90-THSS-208V			208	90° Symmetrical	63025209				
04876702	343-90-TH-240V	04813002	343-90-THSS-240V			240		63025249				
04876802	343-90-TH-480V	088118394	343-90-THSS-480V			480		63025489				
04876902	463-30-TH-480V	088105394	463-30-THSS-480V			10.95	37372	480		30° Sym.	63036489	41
04877002	463-60-TH-480V	088107394	463-60-THSS-480V							60° Sym.	63036489	
04877102	463-90-TH-480V	088109394	463-90-THSS-480V							90° Sym.	63036489	

## TH & THSS Series Product Accessories

MFG CATALOG NUMBER	MFG MODEL NUMBER	DESCRIPTION	FOR USE WITH	WT. (LBS)
08811239	VMB-41-SS	Wall Mounting Brackets (2)	All Mul-T-Mount Models	12
08511500	CHWG-222	Stainless Steel Wire Guards	222 Series	2
08511400	CHWG-342		342 Series	
08516200	CHWG-462		462 Series	
08543600	CHWG-223		223 Series	
08543500	CHWG-343		343 Series	
08543400	CHWG-463		463 Series	
Recessed Mounting Frames (UL)				
		Ceiling Cutout (in.)	Frame Size (in.)	
04419902	RMF-222-SS-A	27 x 17 7/8	29 1/8 x 20	222 Series Stainless
04494402	RMF-222-A	27 x 17 7/8	29 1/8 x 20	222 Series Painted
04420702	RMF-342-SS-A	36 x 17 7/8	38 1/8 x 20	342 Series Stainless
04418702	RMF-342-A	36 x 17 7/8	38 1/8 x 20	342 Series Painted
04421002	RMF-462-SS-A	49 x 17 7/8	51 1/8 x 20	462 Series Stainless
04494502	RMF-462-A	49 x 17 7/8	51 1/8 x 20	462 Series Painted
08811002	RMF-223-SS	32 x 29 3/8	34 1/8 x 31 1/2	223 Series Stainless
08811302	RMF-343-SS	41 x 29 3/8	43 1/8 x 31 1/2	343 Series Stainless
08811102	RMF-463-SS	54 x 29 3/8	56 1/8 x 31 1/2	463 Series Stainless
04877202	RMF-223	32 x 29 3/8	34 1/8 x 31 1/2	223 Series Painted
04877302	RMF-343	41 x 29 3/8	43 1/8 x 31 1/2	343 Series Painted
04877402	RMF-463	54 x 29 3/8	56 1/8 x 31 1/2	463 Series Painted
04407802	31939009	Red Vycor Sleeves	All 1600W Qtz. Lamp	2
04407302	31940009	Reduces Quartz Lamp	All 2500W Qtz. Lamp	
04407402	31941009	Brightness by 90%	All 3650W Qtz. Lamp	
04461502	632-1620	Red Quartz Lamps; 1.6kw, 208v	222,223 & RPH Series	2
04461602	632-1624	Red Quartz Lamps; 1.6kw, 240v		
04462202	632-2548	Red Quartz Lamps; 2.5kw, 480v		