

MTM Series Mul-T-Mount Electric Infrared Heater

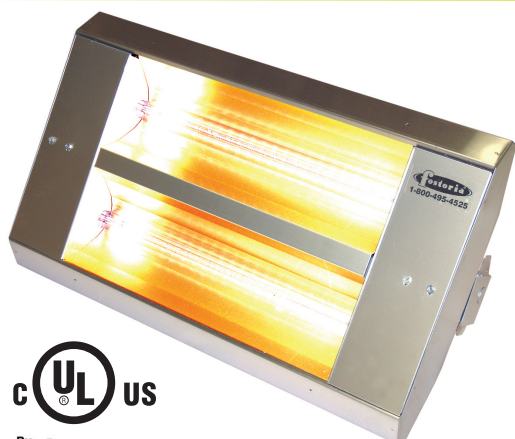
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Overhead Infrared Heaters for Snow & Ice Control, Outdoor Spot Heating & All Indoor Heating Applications



Product Description

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

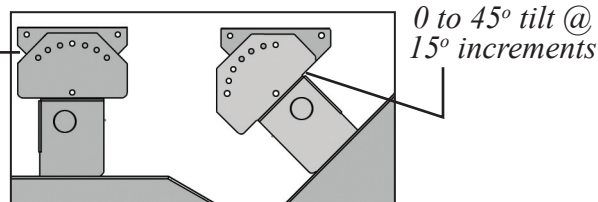


- UL/C-UL Listed for suspended, totally exposed (outdoor), high-bay (indoor) comfort heating and exterior snow & ice control applications.
- UL/C-UL Listed for recessed applications.
- 20 Gauge painted steel or stainless steel housings.
- Gold anodized aluminum reflectors & end caps.
- 50% higher Watt 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.

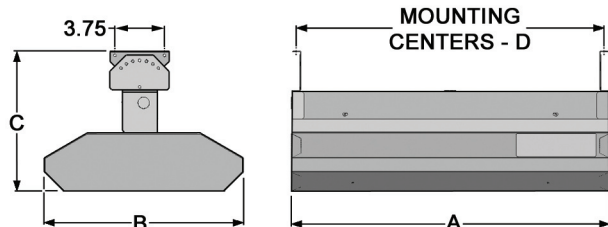
New Feature:

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.



Product Dimensions

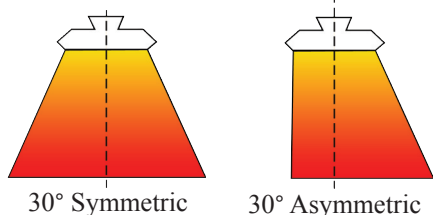


Mul-T-Mount Series	Dimensions (in.)			
	A Length	B Width	C Height	D Mtg. Ctr.
222	24"	15"	10-7/8"	23-1/2"
342	33"	15"	10-7/8"	32-1/2"
462	46"	15"	10-7/8"	45-1/2"
223	24"	21-1/2"	10-7/8"	23-1/2"
343	33"	21-1/2"	10-7/8"	34"
463	46"	21-1/2"	10-7/8"	45-1/2"

Mounting Clearances & Recommended Mounting Height

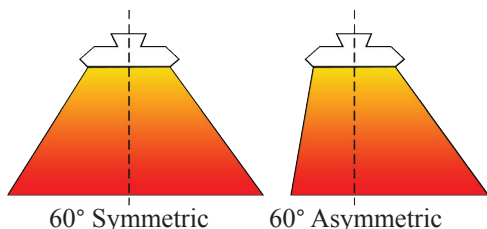
Mounting Clearances		Recommended Mounting Height	
2 & 3 Lamp Models	3" from ceiling	30° Symmetric & A30° Asymmetric Reflector - Indoor	14' - 30'
	24" from vertical surface	60° Symmetric & A60° Asymmetric Reflector - Indoor	12' - 18'
2 Lamp Models	72" from face of heater to combustible surface	90° Symmetric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



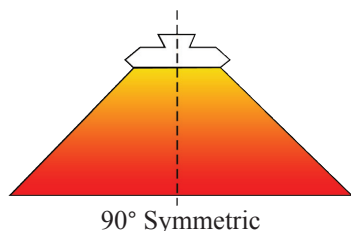
30° Symmetric

30° Asymmetric



60° Symmetric

60° Asymmetric



90° Symmetric

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

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

Reflectors and End Caps:

.040 Gold Anodized Aluminum reflectors and end caps for superior reflectiveness. 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 (feet)							Watts Delivered per Square Foot													
			8	10	12	14	16	18	20	8	10	12	14	16	18	20							
			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								L x W	L x W					
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							
60°	3.2		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	-	-	-							
90°	3.2		17 x 16	21 x 20	N/R	N/R				11.8	7.6	-	-	-	-	-							
30°	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							
60°	5.0		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	-							
90°	5.0		18 x 16	22 x 20	26 x 24	N/R	N/R	N/R		17.4	11.4	8.0	-	-	-	-							
30°	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							
60°	7.3		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	-							
90°	7.3		19 x 16	23 x 20	27 x 24	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							
60°	4.8		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	-	-							
90°	4.8		17 x 17	21 x 21	N/R	N/R	N/R			16.6	10.9	-	-	-	-	-							
30°	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							
60°	7.5		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	-							
90°	7.5		18 x 17	22 x 21	26 x 25	N/R	N/R	N/R		24.5	16.2	11.5	-	-	-	-							
30°	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							
60°	10.95		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	-							
90°	10.95		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

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2 Lamp Mul-T-Mount Series

Brown Enamel Or Stainless Steel With 2 Clear Quartz Lamps Included

BROWN HOUSING		STAINLESS STEEL HOUSING		KW	BTU'S	VOLTS	REFLECTOR PATTERN	Replacement Element	WT. (Lbs.)
UPC	MODEL	UPC	MODEL						
686334		686334							
444163	222-30-TH-208V	444408	222-30-THSS-208V	3.2	10,922	208	30° Symmetrical	63016209	20
444170	222-30-TH-240V	444415	222-30-THSS-240V			240		63016249	
444187	222-30-TH-277V	444422	222-30-THSS-277V			277		63016279	
481380	222-30-TH-480V	481434	222-30-THSS-480V			480		63016489	
444194	222-A30-TH-208V	444439	222-A30-THSS-208V			208	30° Asymmetrical	63016209	
444200	222-A30-TH-240V	444446	222-A30-THSS-240V			240		63016249	
444217	222-A30-TH-277V	444453	222-A30-THSS-277V			277		63016279	
481410	222-A30-TH-480V	481465	222-A30-THSS-480V			480		63016489	
444224	222-60-TH-208V	444460	222-60-THSS-208V			208	60° Symmetrical	63016209	
444231	222-60-TH-240V	444477	222-60-THSS-240V			240		63016249	
444248	222-60-TH-277V	444484	222-60-THSS-277V			277		63016279	
481397	222-60-TH-480V	481441	222-60-THSS-480V			480		63016489	
444255	222-A60-TH-208V	444491	222-A60-THSS-208V			208	60° Asymmetrical	63016209	
444262	222-A60-TH-240V	444507	222-A60-THSS-240V			240		63016249	
444279	222-A60-TH-277V	444514	222-A60-THSS-277V			277		63016279	
481427	222-A60-TH-480V	481472	222-A60-THSS-480V			480		63016489	
443296	222-90-TH-208V	444521	222-90-THSS-208V			208	90° Symmetrical	63016209	
444286	222-90-TH-240V	444538	222-90-THSS-240V			240		63016249	
444293	222-90-TH-277V	444545	222-90-THSS-277V			277		63016279	
481403	222-90-TH-480V	481458	222-90-THSS-480V			480		63016489	
481083	342-30-TH-208V	480932	342-30-THSS-208V	5.0	17,065	208	30° Symmetrical	63025209	25
481090	342-30-TH-240V	480949	342-30-THSS-240V			240		63025249	
802611	342-30-TH-480V	802635	342-30-THSS-480V			480		63025489	
481175	342-A30-TH-208V	481021	342-A30-THSS-208V			208	30° Asymmetrical	63025209	
481182	342-A30-TH-240V	481038	342-A30-THSS-240V			240		63025249	
444316	342-A30-TH-480V	444569	342-A30-THSS-480V			480		63025489	
481113	342-60-TH-208V	480963	342-60-THSS-208V			208	60° Symmetrical	63025209	
481120	342-60-TH-240V	480970	342-60-THSS-240V			240		63025249	
802918	342-60-TH-480V	802932	342-60-THSS-480V			480		63025489	
481205	342-A60-TH-208V	481052	342-A60-THSS-208V			208	60° Asymmetrical	63025209	
481212	342-A60-TH-240V	481069	342-A60-THSS-240V			240		63025249	
444330	342-A60-TH-480V	444583	342-A60-THSS-480V			480		63025489	
481144	342-90-TH-208V	480994	342-90-THSS-208V			208	90° Symmetrical	63025209	
481151	342-90-TH-240V	481007	342-90-THSS-240V			240		63025249	
803212	342-90-TH-480V	803236	342-90-THSS-480V			480		63025489	
802710	462-30-TH-480V	802734	462-30-THSS-480V	7.3	24,915	480	30° Symmetrical	63036489	32
444361	462-A30-TH-480V	444613	462-A30-THSS-480V				30° Asymmetrical	63036489	
803014	462-60-TH-480V	803038	462-60-THSS-480V				60° Symmetrical	63036489	
444385	462-A60-TH-480V	444637	462-A60-THSS-480V				60° Asymmetrical	63036489	
803311	462-90-TH-480V	803335	462-90-THSS-480V				90° Symmetrical	63036489	

NOTE: Consult the factory, the product instruction manual, or a licensed electrician for 3-phase wiring of all 2-element heaters.

THSS Series Mul-T-Mount Electric Infrared Heater

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

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NOTE:

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

UPC# 686334	MODEL	KW	BTU'S	VOLTS	Reflector Pattern	Replacement Elements	WT. (Lbs.)
443678	223-30-THSS-208V	4.8	16382	208	30° Symmetrical	63016209	25
443685	223-30-THSS-240V			240		63016249	
443692	223-30-THSS-277V			277		63016279	
481588	223-30-THSS-480V			480		63016489	
443289	223-60-THSS-208V			208	60° Symmetrical	63016209	
443739	223-60-THSS-240V			240		63016249	
443746	223-60-THSS-277V			277		63016279	
481595	223-60-THSS-480V			480		63016489	
443784	223-90-THSS-208V			208	90° Symmetrical	63016209	
443791	223-90-THSS-240V			240		63016249	
443807	223-90-THSS-277V			277		63016279	
481601	223-90-THSS-480V			480		63016489	
481236	343-30-THSS-208V	7.5	25298	208	30° Symmetrical	63025209	33
481243	343-30-THSS-240V			240		63025249	
811439	343-30-THSS-480V			480		63025489	
481237	343-60-THSS-208V			208	60° Symmetrical	63025209	
481274	343-60-THSS-240V			240		63025249	
811637	343-60-THSS-480V			480		63025489	
481298	343-90-THSS-208V			208	90° Symmetrical	63025209	
481304	343-90-THSS-240V			240		63025249	
811835	343-90-THSS-480V			480		63025489	
810531	463-30-THSS-480V	10.95	37372	480	30° Sym.	63036489	41
810739	463-60-THSS-480V				60° Sym.	63036489	
810937	463-90-THSS-480V				90° Sym.	63036489	

TH & THSS Series Product Accessories

UPC 686334	MODEL	DESCRIPTION		FOR USE WITH	WT. (LBS.)
881128	VMB-41-SS	Wall Mounting Brackets (2)		All Mul-T-Mount Models	12
881152	CHWG-222	Stainless Steel Wire Guards		222 Series	2
881145	CHWG-342			342 Series	
851626	CHWG-462			462 Series	
854368	CHWG-223			223 Series	
854351	CHWG-343			343 Series	
854344	CHWG-463			463 Series	
		Recessed Mounting Frames (UL)			
		Ceiling Cutout (in.)	Frame Size (in.)		
441995	RMF-222-SS-A	27 x 17-7/8	29-1/8 x 20	222 Series Stainless	6
449441	RMF-222-A	27 x 17-7/8	29-1/8 x 20	222 Series Painted	
442077	RMF-342-SS-A	36 x 17-7/8	30-1/8 x 20	342 Series Stainless	9
441872	RMF-342-A	36 x 17-7/8	30-1/8 x 20	342 Series Painted	
442107	RMF-462-SS-A	49 x 17-7/8	51-1/8 x 20	462 Series Stainless	11
449458	RMF-462-A	49 x 17-7/8	51-1/8 x 20	462 Series Painted	
881104	RMF-223-SS	32 x 29-3/8	34-1/8 x 31-1/2	223 Series Stainless	15
881135	RMF-343-SS	41 x 29-3/8	43-1/8 x 31-1/2	343 Series Stainless	18
881111	RMF-463-SS	54 x 29-3/8	56-1/8 x 31-1/2	463 Series Stainless	20
440783	31939009	Red Vycor Sleeves Reduces Quartz Lamp Brightness by 90%		All 1600W Qtz. Lamp	2
440738	31940009			All 2500W Qtz. Lamp	
440745	31941009			All 3650W Qtz. Lamp	
446150	632-1620	Red Quartz Lamps; 1.6kw, 208v		222,223 & RPH Series	2
446167	632-1624	Red Quartz Lamps; 1.6kw, 240v			
446228	632-2548	Red Quartz Lamps; 2.5kw, 480v		342 & 343 Series	