

TH & THSS 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 OR 3 LAMP BROWN ENAMEL OR STAINLESS STEEL.

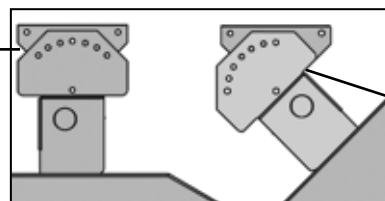


- Listed for suspended, totally exposed (outdoor), high-bay (indoor) comfort heating and exterior snow & ice control applications.
- Listed for recessed applications.
- 20 gauge painted steel or stainless steel housings.
- Gold anodized Aluminum reflectors & end caps.
- 50% higher Watt densities for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

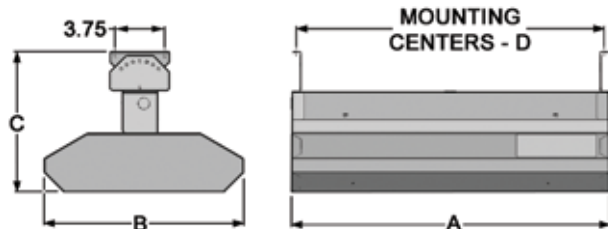
In-Built surface mounting brackets allows for fixture adjustment up to 45° horizontal tilt.

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



0 to 45° tilt @ 15° increments

Product Dimensions

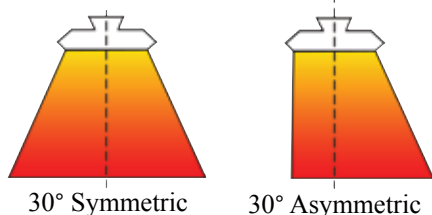


MUL-T-MOUNT SERIES	DIMENSIONS (IN.)			
	"A" LENGTH	"B" WIDTH	"C" HEIGHT	"D" MTG.CTR.
222	24"	15"	10 7/8"	23 1/2"
342	33"	15"	10 7/8"	32 1/2"
462	46"	15"	10 7/8"	45 1/2"
223	24"	21 1/2"	10 7/8"	23 1/2"
343	33"	21 1/2"	10 7/8"	34"
463	46"	21 1/2"	10 7/8"	45 1/2"

Mounting Clearances & Recommended Mounting Height

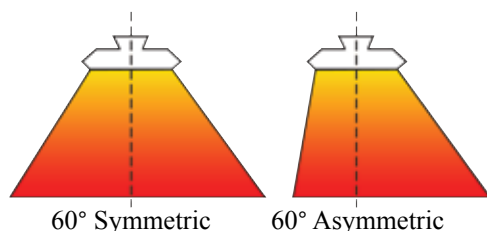
Mounting Clearances		Recommended Mounting Height	
2 & 3 Lamp Models	3" from ceiling	30° Symmetric & A30° Asymmetric Reflector - Indoor	14' - 30'
	24" from vertical surface	60° Symmetric & A60° Asymmetric Reflector - Indoor	12' - 18'
2 Lamp Models	72" from face of heater to combustible surface	90° Symmetric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



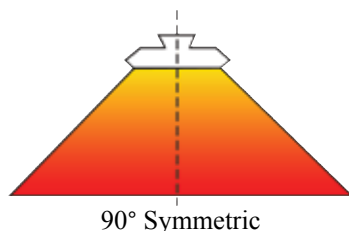
30° Symmetric

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 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
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	BTUs	VOLTS	REFLECTOR PATTERN	REPLACEMENT ELEMENT	WT. (LBS)
MFG CATALOG NUMBER	MFG MODEL NUMBER	MFG CATALOG NUMBER	MFG MODEL NUMBER						
04441602	222-30-TH-208V	04444002	222-30-THSS-208V	3.2	10,922	208	30° Symmetrical	63016209	20
04441702	222-30-TH-240V	04444102	222-30-THSS-240V			240		63016249	
04441802	222-30-TH-277V	04444202	222-30-THSS-277V			277		63016279	
04813802	222-30-TH-480V	04814302	222-30-THSS-480V			480		63016489	
04441902	222-A30-TH-208V	04444302	222-A30-THSS-208V			208	30° Asymmetrical	63016209	
04442002	222-A30-TH-240V	04444402	222-A30-THSS-240V			240		63016249	
04442102	222-A30-TH-277V	04444502	222-A30-THSS-277V			277		63016279	
04814102	222-A30-TH-480V	04814602	222-A30-THSS-480V			480		63016489	
04442202	222-60-TH-208V	04444602	222-60-THSS-208V			208	60° Symmetrical	63016209	
04442302	222-60-TH-240V	04444702	222-60-THSS-240V			240		63016249	
04442402	222-60-TH-277V	04444802	222-60-THSS-277V			277		63016279	
04813902	222-60-TH-480V	04814402	222-60-THSS-480V			480		63016489	
04442502	222-A60-TH-208V	04444902	222-A60-THSS-208V			208	60° Asymmetrical	63016209	
04442602	222-A60-TH-240V	04445002	222-A60-THSS-240V			240		63016249	
04442702	222-A60-TH-277V	04445102	222-A60-THSS-277V			277		63016279	
04814202	222-A60-TH-480V	04814702	222-A60-THSS-480V			480		63016489	
04432902	222-90-TH-208V	04445202	222-90-THSS-208V			208	90° Symmetrical	63016209	
04442802	222-90-TH-240V	04445302	222-90-THSS-240V			240		63016249	
04442902	222-90-TH-277V	04445402	222-90-THSS-277V			277		63016279	
04814002	222-90-TH-480V	04814502	222-90-THSS-480V			480		63016489	
04810802	342-30-TH-208V	04809302	342-30-THSS-208V	5.0	17,065	208	30° Symmetrical	63025209	25
04810902	342-30-TH-240V	04809402	342-30-THSS-240V			240		63025249	
088026143	342-30-TH-480V	088026394	342-30-THSS-480V			480		63025489	
04811702	342-A30-TH-208V	04810202	342-A30-THSS-208V			208	30° Asymmetrical	63025209	
04811802	342-A30-TH-240V	04810302	342-A30-THSS-240V			240		63025249	
04443102	342-A30-TH-480V	04445602	342-A30-THSS-480V			480		63025489	
04811102	342-60-TH-208V	04809602	342-60-THSS-208V			208	60° Symmetrical	63025209	
04811202	342-60-TH-240V	04809702	342-60-THSS-240V			240		63025249	
088029143	342-60-TH-480V	088029394	342-60-THSS-480V			480		63025489	
04812002	342-A60-TH-208V	04810502	342-A60-THSS-208V			208	60° Asymmetrical	63025209	
04812102	342-A60-TH-240V	04810602	342-A60-THSS-240V			240		63025249	
04443302	342-A60-TH-480V	04445802	342-A60-THSS-480V			480		63025489	
04811402	342-90-TH-208V	04809902	342-90-THSS-208V			208	90° Symmetrical	63025209	
04811502	342-90-TH-240V	04810002	342-90-THSS-240V			240		63025249	
088032144	342-90-TH-480V	088032394	342-90-THSS-480V			480		63025489	
088027143	462-30-TH-480V	088027393	462-30-THSS-480V	7.3	24,915	480	30° Symmetrical	63036489	32
04443602	462-A30-TH-480V	04446102	462-A30-THSS-480V				30° Asymmetrical	63036489	
088030143	462-60-TH-480V	088030393	462-60-THSS-480V				60° Symmetrical	63036489	
04443802	462-A60-TH-480V	04446302	462-A60-THSS-480V				60° Asymmetrical	63036489	
088033144	462-90-TH-480V	088033394	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.