

Q-THERMAZONE-Submittal_0524-2

SUBMITTED BY:

APPROVED BY:

DATE

DATE

ARCHITECT'S AND ENGINEER'S SPECIFICATIONS*

The Thermazone electric infrared heater(s) shall be supplied QMark[®], a Marley Engineered Products[®] Brand, Bennettsville, SC, USA, and shall be of the KW rating, voltage and phase specified in the schedule. They shall be radiant type, and certified to cULus listed under standard 2021.

CONSTRUCTION: The heaters are formed and riveted together out of 16 ga. and 20 ga. CRS or stainless steel. If CRS, the heater must be stainless steel or powder coated with a high temp black finish.

HEATING ASSEMBLY: The heating assembly shall be UL listed under standard 2021 and shall consist of single stranded, non-coiled Ni-Chrome wire embedded in vitrified ceramic fiber and backed with high density, low biopersistent Fiberfrax insulation. The emitting surface is covered with a black-coated high temperature fiberglass cloth.

WIRING: For connection to the power supply, Thermazone heaters will be prewired with leads housed in a 24 inch flexible metal conduit and connector for j-box mounting. **MOUNTING:** The heater shall be provided with a mounting kit designed to bear the weight of the heater assembly. The construction and design shall permit it to be ceiling or wall mounted, with the use of the mounting brackets supplied, hung by chain or suspended with threaded rod.

PERFORMANCE: All units are engineered to operate at optimal performance with a 60 degree dissipation pattern. Each unit is designed to operate with longwave infrared technology, for the most efficient delivery of heat for the desired space.

OPTIONAL CONTROLS: All infrared units are designed for compatibility to a variety of controls offered by QMark. Depending upon the voltage, wattage, and zoning requirements of the job, these controls may include one or a combination of the following: thermostat, timer, % timer, contactor panels, SSR panel, SCR panel, and/or Z-Wave mobile application based systems.

*QMark reserves the right to change specifications without prior notice.

QMARK THERMAZONE SERIES		SINGLE PHASE AMPERAGES											
MODEL 1X	WATTAGE	120V	208V	240V	277V	347V	480V	600V					
QR-STS-U12-0871B	871	7.3	-	-	-	-	-	-					
QR-STS-U12-1081B	1081	9.0	-	-	-	-	-	-					
QR-STS-U12-1111B	1111	9.3	-	-	-	-	-	-					
QR-STS-U12-1681B	1681	14.0	-	-	-	-	-	-					
QR-STS-U12-1436V	1077/1436	-	5.2	6.0	-	-	-	-					
	WATTAGE	SINGLE PHASE AMPERAGES							THREE PHASE AMPERAGES				
MODEL 2X		120V	208V	240V	277V	347V	480V	600V	208V	240V	480V	600V	
QR-STS-U24-1015V	1015	-	-	4.3	-	-	-	-	-	-	-	-	
QR-STS-U24-1316B	1316	11.0	-	-	-	-	-	-	-	-	-	-	
QR-STS-U24-1297V	1297	-	-	5.4	-	-	-	-	-	-	-	-	
QR-STS-U24-1659B	1659	13.8	-	-	-	-	-	-	-	-	-	-	
QR-STS-U24-1701V	1276/1701	-	6.1	7.1	-	-	-	-	-	-	-	-	
QR-STS-U24-2192B	2192	18.3	-	-	-	-	-	-	-	-	-	-	
QR-STS-U24-2001V	1501/2001	-	7.2	8.3	-	-	-	-	-	-	-	-	
QR-STS-U24-1982N	1982	-	-	-	7.2	-	-	-	-	-	-	-	
QR-STS-U24-2060I	2060	-	-	-	-	6.0	-	-	-	-	-	-	
QR-STS-U24-2222B	2222	18.5	-	-	-	-	-	-	-	-	-	-	
QR-STS-U24-2428V	1821/2428	-	8.8	10.2	-	-	-	-	-	-	-	-	
QR-STS-U24-2388N	2388	-	-	-	8.6	-	-	-	-	-	-	-	
QR-STS-U24-2488I	2488	-	-	-	-	7.2	-	-	-	-	-	-	
QR-STS-U24-3363B	3363	28.0	-	-	-	-	-	-	-	-	-	-	
QR-STS-U24-3239V	2429/3239	-	11.7	13.5	-	-	-	-	-	-	-	-	
QR-STS-U24-3008N	3008	-	-	-	10.1	-	-	-	-	-	-	-	
QR-STS-U24-31761	3176	-	-	-	-	9.2	-	-	-	-	-	-	
QR-STS-U24-1992P	1496/1992	-	-	-	-	-	-	-	4.2	4.8	-	-	
QR-STS-U24-2442P	1834/2442	-	-	-	-	-	-	-	5.1	5.9	-	-	
QR-STS-U24-3021P	2284/3041	-	-	-	-	-	-	-	6.4	7.3	-	-	

MODEL 4X	WATTAGE	SINGLE PHASE AMPERAGES						THREE PHASE AMPERAGES				
		120V	208V	240V	277V	347V	480V	600V	208V	240V	480V	600V
QR-STS-U48-2030V	1523/2030	-	7.3	8.5	-	-	-	-	-	-	-	-
QR-STS-U48-2014I	2014	-	-	-	-	5.8	-	-	-	-	_	-
QR-STS-U48-2030T	2030	-	-	-	-	-	4.2	-	-	-	-	-
QR-STS-U48-2594V	1946/2594	-	9.4	10.8	-	-	-	-	-	-	-	-
QR-STS-U48-2502I	2502	-	-	-	-	7.2	-	-	-	-	-	-
QR-STS-U48-2594T	2594	-	-	-	-	-	5.4	-	-	-	-	-
QR-STS-U48-3402V	2552/3402	-	12.3	14.2	-	-	-	-	-	-	-	-
QR-STS-U48-3206I	3206	-	-	-	-	9.3	-	-	-	-	-	-
QR-STS-U48-3402T	3402	-	-	-	-	-	7.1	-	-	-	-	-
QR-STS-U48-4002V	3002/4002	-	14.5	16.7	-	-	-	-	-	-	-	-
QR-STS-U48-3964N	3964	-	-	-	14.3	-	-	-	-	-	-	-
QR-STS-U48-41201	4120	-	-	-	-	11.9	-	-	-	-	-	-
QR-STS-U48-4002T	4002	-	-	-	-	-	8.3	-	-	-	-	-
QR-STS-U48-4042Y	4042	-	-	-	-	-	-	6.7	-	-	-	-
QR-STS-U48-4856V	3642/4856	-	17.5	20.2	-	-	-	-	-	-	-	-
QR-STS-U48-4776N	4776	-	-	-	17.2	-	-	-	-	-	-	-
QR-STS-U48-4976I	4976	-	-	-	-	14.4	-	-	-	-	-	-
QR-STS-U48-4856T	4856	-	-	-	-	-	10.1	-	-	-	-	-
QR-STS-U48-4878Y	4878	-	-	-	-	-	-	8.1	-	-	-	-
QR-STS-U48-6478V	4859/6478	-	23.4	27.0	-	-	-	-	-	-	-	-
QR-STS-U48-6056N	6056	-	-	-	21.7	-	-	-	-	-	-	-
QR-STS-U48-6352I	6352	-	-	-	-	18.3	-	-	-	-	-	-
QR-STS-U48-6478T	6478	-	-	-	-	-	13.5	-	-	-	-	-
QR-STS-U48-6118Y	6118	-	-	-	-	-	-	10.2	-	-	-	-
QR-STS-U48-3971P	2983/3971	-	-	-	-	-	-	-	8.3	9.6	-	-
QR-STS-U48-3928U	3928	-	-	-	-	-	-	-	-	-	4.7	-
QR-STS-U48-3963Z	3963	-	-	-	-	-	-	-	-	-	-	3.8
QR-STS-U48-4794P	3601/4794	-	-	-	-	-	-	-	10.0	11.6	-	-
QR-STS-U48-4838U	4838	-	-	-	-	-	-	-	-	-	5.8	-
QR-STS-U48-4797Z	4797	-	-	-	-	-	-	-	-	-	-	4.6
QR-STS-U48-5954P	4472/5954	-	-	-	-	-	-	-	12.4	14.3	-	-
QR-STS-U48-6060U	6060	-	-	-	-	-	-	-	-	-	7.3	-
QR-STS-U48-5982Z	5982	-	-	-	-	-	-	-	-	-	-	5.8

Optional Accessories:

CATALOG NO.	DESCRIPTION	COMPATIBLE WITH			
07.104	12" x 24" SS Grid	All 12" x 24" Heaters			
03-104	12 x 24 55 Grid	All 1P 12" x 48" Heaters*			
03-105	12" x 12" SS Grid	All 12" x 12" Heaters			
03-106	12" x 16" SS Grid	All 3P 12" x 48" Heaters**			

NOTES: * requires qty 2 ** requires qty 3

How to Order Example:

QR - STS -	U	48 -	5954	P -	SS -	G
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Brand:						
QR = QMark						
Model:						
STS = QMark						
Thermazone Standard						
Llostov Listing.						
Heater Listing: U = cULus						
0 - COLUS						
Size:						
12 = 12" x 12" 24 = 12" x 24"						
48 = 12" x 48"						
Wattage: Shows wattage of specific heater m	adal					
Shows wattage of specific fleater fit						
				1		
Voltage Code:						
B = 120/1 V = 208-240/1						
N = 277/1						
= 347/1						
T = 480/1						
P = 240/3						
U = 480/3						
Z = 600/3						
Finish: B = Powder Coated Black						
SS = Stainless Steel						
Optinal Grid:						
G = Stainless Steel Grid						

Dimensions and Clearances:

*Reference product instruction manual for additional information on proper mounting, wiring, and installation.

FOR WALL MOUNTING:

Do not install the section closer than:

- 4 inches to a horizontal surface
- 12 inches to an adjacent vertical surface
- 36 inches to another heater
- 6 feet from the floor

For angle positioning, the heater should not be directed toward any vertical surface closer than 6 feet.

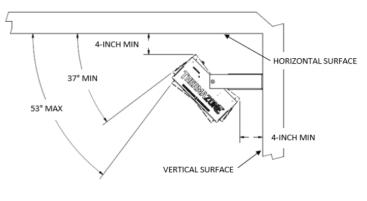


Fig. 1A - WALL MOUNTING

FOR CEILING MOUNTING:

- 36 inches to a vertical surface for vertical mounting
- 4 inches to a vertical surface for angled ceiling mounting
- 12 inches to an adjacent vertical surface
- 36 inches to another heater
- 6 feet from the floor

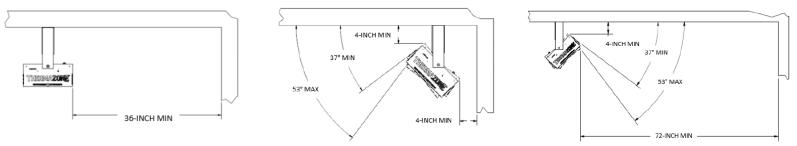


Fig. 2 - CEILING MOUNTING VERTICAL

Fig. 3 - CEILING MOUNTING ANGLED AWAY FROM VERTICAL SURFCE

Fig. 4 - CEILING MOUNTING ANGLED TOWARDS VERTICAL SURFCE

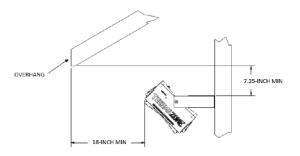


Fig. 5 - PROTECTED AREA MOUNTING

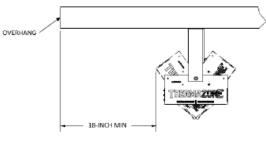
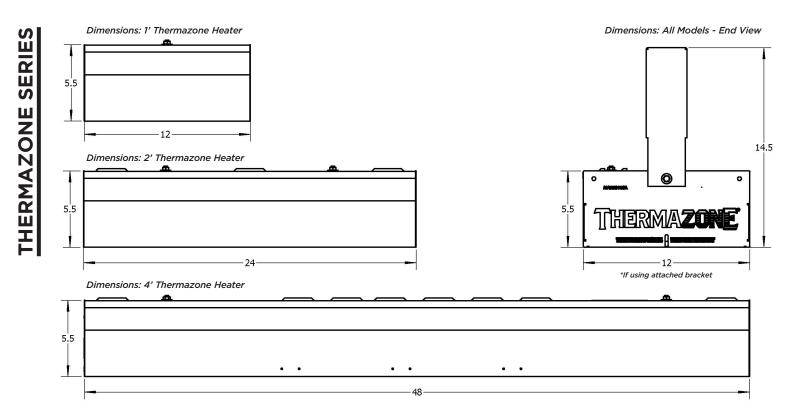


Fig. 6 - PROTECTED AREA CEILING MOUNTING



No matter the industry or application, Marley Engineered Products has a robust portfolio of innovative, reliable, high-performance comfort heating and ventilation solutions for all your heating needs.

Scan the QR code to access additional specs and features



For more information or assistance on your next project, contact Technical Services at 800-642-4328

Approvals: ____