

**SUBMITTAL SHEET
THERMAZONE SERIES**



CAPACITIES	
Element Types: Flat Panel Emitter	
Voltages: 120-600	
Phase: Single and Three	
Wattages: 871 - 6478	
Reflection Angle: 60 degrees Sym.	
Mounting Types:	
. Ceiling Mount	
. Wall Mount	
. Hung by chain or threaded rod	
Reflection Angles: 60 degrees	

See Selection Chart for all Options

JOB NAME: _____

LOCATION: _____

ARCHITECT: _____

ENGINEER: _____

CONTRACTOR: _____

SUBMITTED BY: _____ DATE: _____

TAG/ITEM	QTY.	CATALOG NUMBER	HEATER			
			VOLTS	PHASE	WATTS	AMP

SUBMITTED BY:	DATE

APPROVED BY:	DATE

THERMAZONE SERIES- INFRARED HEATERS FOR INDUSTRIAL/COMMERCIAL/RESIDENTIAL

ARCHITECT'S AND ENGINEER'S SPECIFICATIONS*

The Thermazone electric infrared heater(s) shall be supplied Berko®, 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 Berko. 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.

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

BERKO THERMAZONE SERIES		SINGLE PHASE AMPERAGES						
MODEL 1X	WATTAGE	120V	208V	240V	277V	347V	480V	600V
BR-ST5-U12-0871B	871	7.3	-	-	-	-	-	-
BR-ST5-U12-1081B	1081	9.0	-	-	-	-	-	-
BR-ST5-U12-1111B	1111	9.3	-	-	-	-	-	-
BR-ST5-U12-1681B	1681	14.0	-	-	-	-	-	-
BR-ST5-U12-1436V	1077/1436	-	5.2	6.0	-	-	-	-

MODEL 2X	WATTAGE	SINGLE PHASE AMPERAGES						
		120V	208V	240V	277V	347V	480V	600V
BR-ST5-U24-1015V	1015	-	-	4.3	-	-	-	-
BR-ST5-U24-1316B	1316	11.0	-	-	-	-	-	-
BR-ST5-U24-1297V	1297	-	-	5.4	-	-	-	-
BR-ST5-U24-1659B	1659	13.8	-	-	-	-	-	-
BR-ST5-U24-1701V	1276/1701	-	6.1	7.1	-	-	-	-
BR-ST5-U24-2192B	2192	18.3	-	-	-	-	-	-
BR-ST5-U24-2001V	1501/2001	-	7.2	8.3	-	-	-	-
BR-ST5-U24-1982N	1982	-	-	-	7.2	-	-	-
BR-ST5-U24-2060I	2060	-	-	-	-	6.0	-	-
BR-ST5-U24-2222B	2222	18.5	-	-	-	-	-	-
BR-ST5-U24-2428V	1821/2428	-	8.8	10.2	-	-	-	-
BR-ST5-U24-2388N	2388	-	-	-	8.6	-	-	-
BR-ST5-U24-2488I	2488	-	-	-	-	7.2	-	-
BR-ST5-U24-3363B	3363	28.0	-	-	-	-	-	-
BR-ST5-U24-3239V	2429/3239	-	11.7	13.5	-	-	-	-
BR-ST5-U24-3008N	3008	-	-	-	10.1	-	-	-
BR-ST5-U24-3176I	3176	-	-	-	-	9.2	-	-
BR-ST5-U24-1992P	1496/1992	-	-	-	-	-	-	-
BR-ST5-U24-2442P	1834/2442	-	-	-	-	-	-	-
BR-ST5-U24-3021P	2284/3041	-	-	-	-	-	-	-

THREE PHASE AMPERAGES			
208V	240V	480V	600V
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
4.2	4.8	-	-
5.1	5.9	-	-
6.4	7.3	-	-

THERMAZONE SERIES

MODEL 4X	WATTAGE	SINGLE PHASE AMPERAGES							THREE PHASE AMPERAGES			
		120V	208V	240V	277V	347V	480V	600V	208V	240V	480V	600V
BR-ST5-U48-2030V	1523/2030	-	7.3	8.5	-	-	-	-	-	-	-	-
BR-ST5-U48-2014I	2014	-	-	-	-	5.8	-	-	-	-	-	-
BR-ST5-U48-2030T	2030	-	-	-	-	-	4.2	-	-	-	-	-
BR-ST5-U48-2594V	1946/2594	-	9.4	10.8	-	-	-	-	-	-	-	-
BR-ST5-U48-2502I	2502	-	-	-	-	7.2	-	-	-	-	-	-
BR-ST5-U48-2594T	2594	-	-	-	-	-	5.4	-	-	-	-	-
BR-ST5-U48-3402V	2552/3402	-	12.3	14.2	-	-	-	-	-	-	-	-
BR-ST5-U48-3206I	3206	-	-	-	-	9.3	-	-	-	-	-	-
BR-ST5-U48-3402T	3402	-	-	-	-	-	7.1	-	-	-	-	-
BR-ST5-U48-4002V	3002/4002	-	14.5	16.7	-	-	-	-	-	-	-	-
BR-ST5-U48-3964N	3964	-	-	-	14.3	-	-	-	-	-	-	-
BR-ST5-U48-4120I	4120	-	-	-	-	11.9	-	-	-	-	-	-
BR-ST5-U48-4002T	4002	-	-	-	-	-	8.3	-	-	-	-	-
BR-ST5-U48-4042Y	4042	-	-	-	-	-	-	6.7	-	-	-	-
BR-ST5-U48-4856V	3642/4856	-	17.5	20.2	-	-	-	-	-	-	-	-
BR-ST5-U48-4776N	4776	-	-	-	17.2	-	-	-	-	-	-	-
BR-ST5-U48-4976I	4976	-	-	-	-	14.4	-	-	-	-	-	-
BR-ST5-U48-4856T	4856	-	-	-	-	-	10.1	-	-	-	-	-
BR-ST5-U48-4878Y	4878	-	-	-	-	-	-	8.1	-	-	-	-
BR-ST5-U48-6478V	4859/6478	-	23.4	27.0	-	-	-	-	-	-	-	-
BR-ST5-U48-6056N	6056	-	-	-	21.7	-	-	-	-	-	-	-
BR-ST5-U48-6352I	6352	-	-	-	-	18.3	-	-	-	-	-	-
BR-ST5-U48-6478T	6478	-	-	-	-	-	13.5	-	-	-	-	-
BR-ST5-U48-6118Y	6118	-	-	-	-	-	-	10.2	-	-	-	-
BR-ST5-U48-3971P	2983/3971	-	-	-	-	-	-	-	8.3	9.6	-	-
BR-ST5-U48-3928U	3928	-	-	-	-	-	-	-	-	4.7	-	-
BR-ST5-U48-3963Z	3963	-	-	-	-	-	-	-	-	-	3.8	-
BR-ST5-U48-4794P	3601/4794	-	-	-	-	-	-	-	10.0	11.6	-	-
BR-ST5-U48-4838U	4838	-	-	-	-	-	-	-	-	5.8	-	-
BR-ST5-U48-4797Z	4797	-	-	-	-	-	-	-	-	-	4.6	-
BR-ST5-U48-5954P	4472/5954	-	-	-	-	-	-	-	12.4	14.3	-	-
BR-ST5-U48-6060U	6060	-	-	-	-	-	-	-	-	-	7.3	-
BR-ST5-U48-5982Z	5982	-	-	-	-	-	-	-	-	-	-	5.8

Optional Accessories:

CATALOG NO.	DESCRIPTION	COMPATIBLE WITH
03-104	12" x 24" SS Grid	All 12" x 24" Heaters
		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**

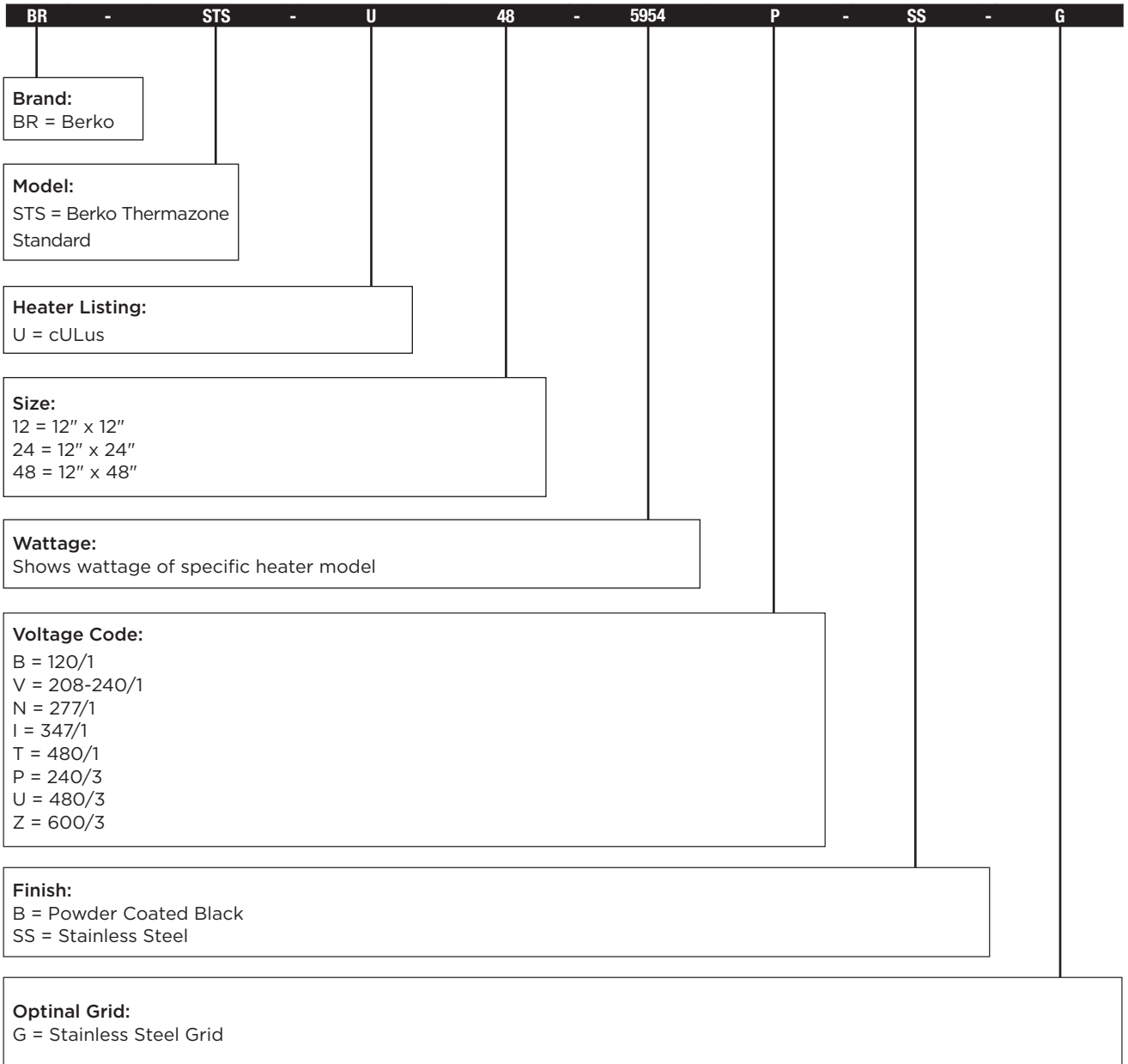
NOTES:
 * requires qty 2
 ** requires qty 3

Approvals: _____

THERMAZONE SERIES

How to Order

Example:



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.

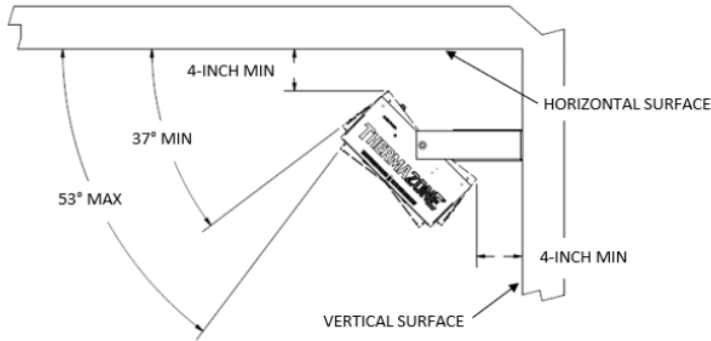


Fig. 1A - WALL MOUNTING

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

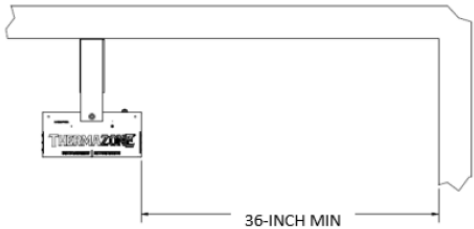


Fig. 2 - CEILING MOUNTING VERTICAL

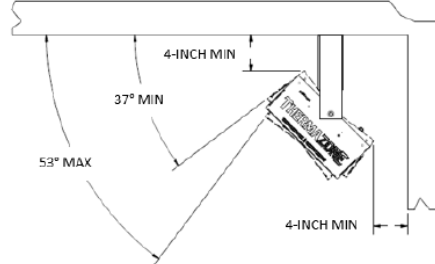


Fig. 3 - CEILING MOUNTING ANGLED AWAY FROM VERTICAL SURFACE

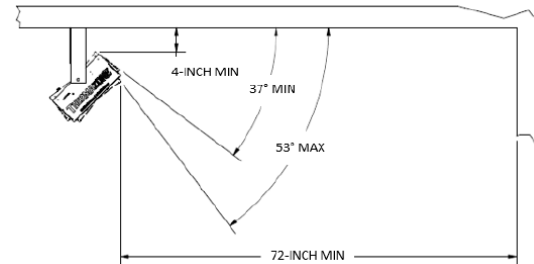


Fig. 4 - CEILING MOUNTING ANGLED TOWARDS VERTICAL SURFACE

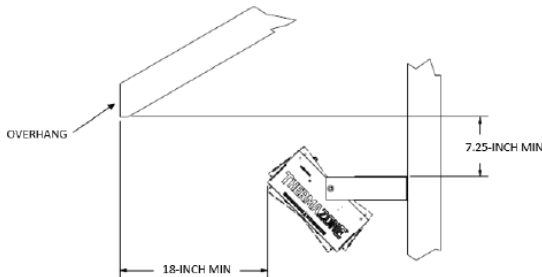


Fig. 5 - PROTECTED AREA MOUNTING

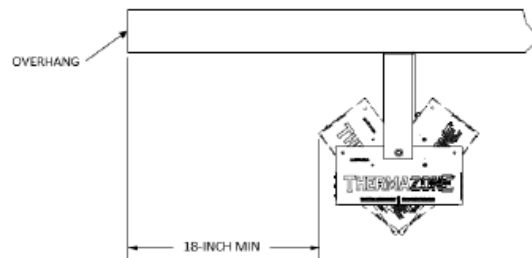
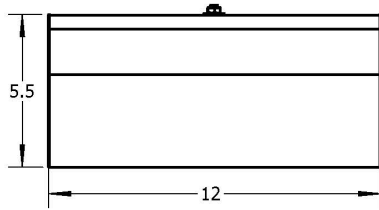


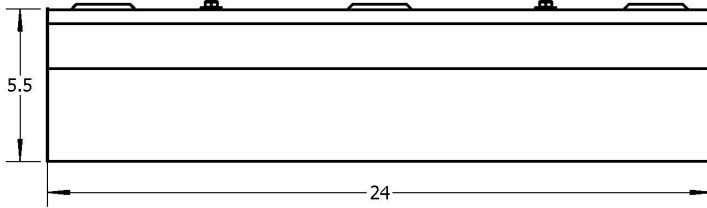
Fig. 6 - PROTECTED AREA CEILING MOUNTING

THERMAZONE SERIES

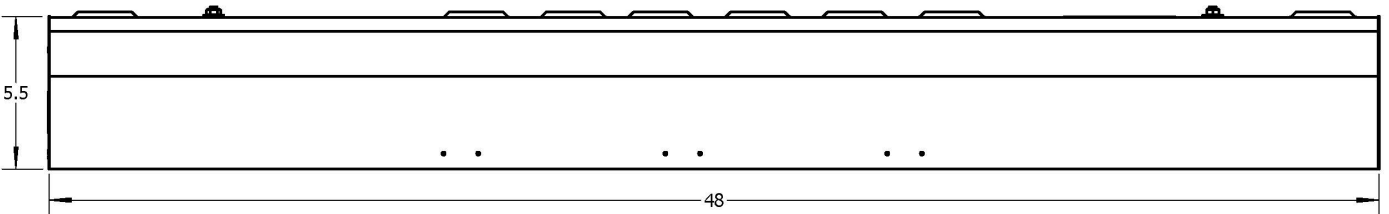
Dimensions: 1' Thermazone Heater



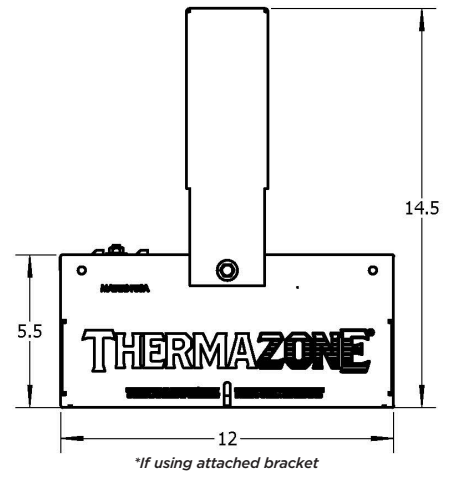
Dimensions: 2' Thermazone Heater



Dimensions: 4' Thermazone Heater



Dimensions: All Models - End View



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.

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

Scan the QR code to access additional specs and features



Approvals: _____