

# Thermal Storage Mats



### Model Code:

TCM	24	14	24	-12
A	B	C	D	E

- A: Thermal Storage Mat
- B: 24-240V
- C: Watts per Sq/Ft
- D: Width of Mat
- E: Mat Length



TCM Series Thermal Storage Mat is designed for a variety of floor heating applications, heating floors efficiently during on and off peak hours.

### TCM Thermal Storage 240V Mat Features

- For use in concrete/Single point connection
- 20 Ft. Cold Lead
- Low operating costs, 10 year warranty
- Emits zero EMFs (electromagnetic fields)
- Durable construction: Tefzel® Insulation, PVC Jacket
- Low memory design, cable stays flat

**24"**  
**240V**  
6" SPACING

MODEL (24" WIDE)	UPC (093319)	MAT LENGTH	HEATED AREA (6" SPACING)	WATTS (12 W/FT²)	AMPS
TCM241224-22	42239	22.5 FT.	45.0 SQ. FT.	540	2.1
TCM241224-52	42243	52.5 FT.	105.0 SQ. FT.	1260	5.1
TCM241224-60	42244	60.0 FT.	120.0 SQ. FT.	1440	5.8
TCM241224-75	42245	75.0 FT.	150.0 SQ. FT.	1800	7.2
TCM241224-88	42246	88.8 FT.	177.5 SQ. FT.	2130	8.6
TCM241224-103	42247	103.8 FT.	207.5 SQ. FT.	2490	10.0
TCM241224-132	42249	132.5 FT.	265.0 SQ. FT.	3180	12.9
TCM241224-148	42250	148.8 FT.	297.5 SQ. FT.	3570	14.5

**30"**  
**240V**  
6" SPACING

MODEL (30" WIDE)	UPC (093319)	MAT LENGTH	HEATED AREA (6" SPACING)	WATTS (12 W/FT²)	AMPS
TCM241230-10	42277	10.0 FT.	25.0 SQ. FT.	350	1.4
TCM241230-18	42267	18.0 FT.	45.0 SQ. FT.	540	2.1
TCM241230-48	42272	48.0 FT.	120.0 SQ. FT.	1440	5.8
TCM241230-60	42273	60.0 FT.	150.0 SQ. FT.	1800	7.2
TCM241230-71	42274	71.0 FT.	177.5 SQ. FT.	2130	8.6
TCM241230-83	42275	83.0 FT.	207.5 SQ. FT.	2490	10.0
TCM241230-106	42277	106.0 FT.	265.0 SQ. FT.	3180	12.9
TCM241230-119	42278	119.0 FT.	297.5 SQ. FT.	3570	14.5

**36"**  
**240V**  
6" SPACING

MODEL (36" WIDE)	UPC (093319)	MAT LENGTH	HEATED AREA (6" SPACING)	WATTS (12 W/FT²)	AMPS
TCM241236-10	42294	10.0 FT.	30.0 SQ. FT.	360	1.4
TCM241236-15	42295	15.0 FT.	45.0 SQ. FT.	540	2.1
TCM241236-35	42299	35.0 FT.	105.0 SQ. FT.	1260	5.1
TCM241236-40	42300	40.0 FT.	120.0 SQ. FT.	1440	5.8
TCM241236-59	42302	59.2 FT.	177.5 SQ. FT.	2130	8.6
TCM241236-69	42303	69.2 FT.	207.5 SQ. FT.	2490	10.0
TCM241236-88	42305	88.3 FT.	265.0 SQ. FT.	3180	12.9
TCM241236-99	42306	99.2 FT.	297.5 SQ. FT.	3570	14.5

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**24"**  
**240V**  
5" SPACING

MODEL (24" WIDE)	UPC (093319)	MAT LENGTH	HEATED AREA (5" SPACING)	WATTS (14 W/FT <sup>2</sup> )	AMPS
TCM241424-12	42252	12.5 FT.	25.0 SQ. FT.	350	1.4
TCM241424-18	42253	18.8 FT.	37.5 SQ. FT.	525	2.1
TCM241424-43	42257	43.8 FT.	87.5 SQ. FT.	1225	5.1
TCM241424-110	42263	110.4 FT.	220.8 SQ. FT.	3092	12.9
TCM241424-124	42264	124.0 FT.	247.9 SQ. FT.	3471	14.5

**30"**  
**240V**  
5" SPACING

MODEL (30" WIDE)	UPC (093319)	MAT LENGTH	HEATED AREA (5" SPACING)	WATTS (14 W/FT <sup>2</sup> )	AMPS
TCM241430-10	42280	10.0 FT.	25.0 SQ. FT.	350	1.4
TCM241430-15	42281	15.0 FT.	37.5 SQ. FT.	525	2.1
TCM241430-40	42286	40.0 FT.	100.0 SQ. FT.	1400	5.8
TCM241430-59	42288	59.2 FT.	147.9 SQ. FT.	2071	8.6
TCM241430-69	42289	69.2 FT.	172.9 SQ. FT.	2421	10.0
TCM241430-88	42291	88.3 FT.	220.8 SQ. FT.	3092	12.9
TCM241430-99	42292	99.2 FT.	247.9 SQ. FT.	3471	14.5

**36"**  
**240V**  
5" SPACING

MODEL (36" WIDE)	UPC (093319)	MAT LENGTH	HEATED AREA (5" SPACING)	WATTS (14 W/FT <sup>2</sup> )	AMPS
TCM241436-8	42308	8.3 FT.	25.0 SQ. FT.	350	1.4
TCM241436-12	42309	12.5 FT.	37.5 SQ. FT.	525	2.1
TCM241436-29	42313	29.2 FT.	87.5 SQ. FT.	1225	5.1
TCM241436-33	42314	33.3 FT.	100.0 SQ. FT.	1400	5.8
TCM241436-49	42316	49.3 FT.	147.9 SQ. FT.	2071	8.6
TCM241436-57	42317	57.6 FT.	172.9 SQ. FT.	2421	10.0
TCM241436-73	42319	73.6 FT.	220.8 SQ. FT.	3092	12.9
TCM241436-82	42320	82.6 FT.	247.9 SQ. FT.	3471	14.5

### TC & TCM CONTROLS



**UDG-4999**



**USG-4000**

MODEL	UPC	DESCRIPTION
UDG-4999	33165	Thermostat Programmable Floor Heat **GFCI 120/208/240V 15A
USG-4000	33166	Thermostat Programmable Relay **GFCI 120/208/240V 15A

**\*\*GFCI Thermostats must always be used with King heating cable systems.**