

Data Sheet

General Information

Floor warming mat



FC-A Floor warming mat Systems

combine the highest comfort levels with maximum energy efficiency. It's a proven technology that's safe, reliable and energy efficient.

- Double point connection
- Single conductor with screen
- Very thin, only 2.6 mm
- Safety approved for wet locations
- Flexible installation
- Durable construction

·The floor warming system includes a yellow heating cable woven into an adhesive-backed red fiberglass mesh that allows for simple roll-out installation without worrying about cable spacing.

Minimat_s Specifications

Cable Construction:	Single conductor with screen
Rated Voltage:	230V
Output:	100W/m ² & 150W/m ²
Cable spacing:	100mm & 66.7mm
Cable Diameter:	2.6mm
Conductor Insulation:	fluoropolymer
Outer Insulation:	PVC
Max. Ambient Temp.:	85°F (30°C)
Min. Installation Temp.:	40°F (5°C)
Cold lead	Two wires plus ground braid; 2.5m length each

Thermostat Specifications

Functions:	On/Off control, digital display, 7-day programmable
Supply Voltage :	120/240 V ±15%, 50/60 Hz
Maximum switching current :	16 Amp
Temperature control range :	40 to 104°F (5 to 40°C)
Ambient range :	32 to 104°F (0 to 40°C)
Floor temperature sensor :	2-wire, 3.0m lead wire

Kit Contents



1 Floor warming mat (with two 2.5m cold leads)

2 thermostat

3 Floor temperature sensor

Ordering Information

230V	Heated Area		Mat Dimensions		Watts (100W/m ²)	Amps	ohms
Catalog Number	m ²	sq.ft.	m*m	in.*ft.			
100-100-1.0	1.0	10.8	0.5* 2	20*6.6	100	0.4	529.0
100-150-1.5	1.5	16.1	0.5* 3	20*9.9	150	0.7	352.7
100-200-2.0	2.0	21.5	0.5* 4	20*13.1	200	0.9	264.5
100-250-2.5	2.5	26.9	0.5* 5	20*16.4	250	1.1	211.6
100-300-3.0	3.0	32.3	0.5* 6	20*19.7	300	1.3	176.3
100-350-3.5	3.5	37.7	0.5* 7	20*23.0	350	1.5	151.1
100-400-4.0	4.0	43.1	0.5* 8	20*26.3	400	1.7	132.3
100-500-5.0	5.0	53.8	0.5* 10	20*32.8	500	2.2	105.8
100-600-6.0	6.0	64.6	0.5* 12	20*39.4	600	2.6	88.2
100-700-7.0	7.0	75.3	0.5* 14	20*45.9	700	3.0	75.6
100-800-8.0	8.0	86.1	0.5* 16	20*52.5	800	3.5	66.1
100-1000-10	10.0	107.6	0.5* 20	20*66.6	1000	4.3	52.9
100-1200-12	12.0	129.2	0.5* 24	20*78.8	1200	5.2	44.1

230V	Heated Area		Mat Dimensions		Watts (150W/m ²)	Amps	ohms
Catalog Number	m ²	sq.ft.	m*m	in.*ft.			
150-150-1.0	1.0	10.8	0.5* 2	20*6.6	150	0.7	352.7
150-225-1.5	1.5	16.1	0.5* 3	20*9.9	225	1.0	235.1
150-300-2.0	2.0	21.5	0.5* 4	20*13.1	300	1.3	176.3
150-375-2.5	2.5	26.9	0.5* 5	20*16.4	375	1.6	141.1
150-450-3.0	3.0	32.3	0.5* 6	20*19.7	450	2.0	117.6
150-525-3.5	3.5	37.7	0.5* 7	20*23.0	525	2.3	100.8
150-600-4.0	4.0	43.1	0.5* 8	20*26.3	600	2.6	88.2
150-750-5.0	5.0	53.8	0.5* 10	20*32.8	750	3.3	70.5
150-900-6.0	6.0	64.6	0.5* 12	20*39.4	900	3.9	58.8
150-1050-7.0	7.0	75.3	0.5* 14	20*45.9	1050	4.6	50.4
150-1200-8.0	8.0	86.1	0.5* 16	20*52.5	1200	5.2	44.1
150-1500-10	10.0	107.6	0.5* 20	20*66.6	1500	6.5	35.3
150-1800-12	12.0	129.2	0.5* 24	20*78.8	1800	7.8	29.4

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