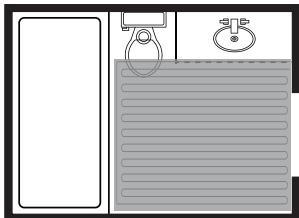
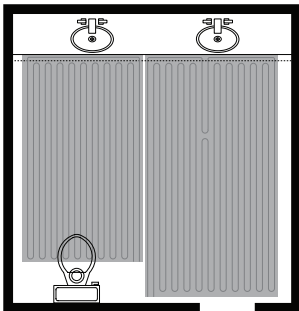


## PRE-BUILT ELECTRIC FLOOR HEATING SYSTEM



Single Standard Mat



Multiple Standard Mats



Custom Mat

### PRODUCT OVERVIEW

Pre-built like an electric blanket, nVent NUHEAT Mat is an electric floor heating system that brings soothing heat to the following surfaces:

- Tile
- Stone
- Laminate
- Engineered wood
- Luxury vinyl flooring

NUHEAT Mat is a pre-built floor heating system, meaning it does not require any on-site manipulation during installation. Thinset is applied to the subfloor, the pre-built NUHEAT Mat is pressed onto the thinset, and flooring can be installed immediately. NUHEAT Mat is compatible with all standard subfloor material and is only 1/8 in thick, making it ideal for installations where minimal floor buildup is desired. The pre-built aspect of NUHEAT Mat guarantees even heat distribution as the heating wires are evenly spaced during production.

NUHEAT Mat is available in over 70 NUHEAT Standard Mats (squares and rectangles of various dimensions) off-the-shelf. A single Standard Mat can provide adequate floor heat coverage for most standard bathroom and living areas. Installers can also combine multiple Standard Mats to heat the desired area.

When full coverage cannot be achieved with Standard Mats (example: areas with curves, angles, or obstructions), NUHEAT Custom Mats mats are available to provide optimal coverage. Once area dimensions are submitted/confirmed, Custom Mats mats are manufactured in only three days and will fit the exact shape of the area indicated in the submitted drawings. Just like Standard Mats, Custom Mats are pre-built, thereby guaranteeing even heat distribution without cold spots.

NUHEAT Mats are available in 120 V and 240 V and produce 12 W/ft<sup>2</sup> (up to 15 W/ft<sup>2</sup> when required/specified).

### KIT CONTENTS

- 1 NUHEAT Mat floor heating system
- 1 Installation instruction manual



## NUHEAT STANDARD MAT SELECTION TABLE

### 120 VOLT STANDARD MATS

	Dimensions (inches)	Ohms	Amps	Watts	Model Number		Dimensions (inches)	Ohms	Amps	Watts	Model Number
Shower Mat*	32 x 32	171	0.7	84	FG0307	8 ft series	96 x 24	75	1.6	192	F2506
3.5 ft series	40 x 27	160	0.8	90	F1006		96 x 30	60	2.0	240	F2508
	40 x 32	135	0.9	107	F1008		96 x 36	50	2.4	288	F2509
	40 x 40	108	1.1	133	F1010		96 x 42	43	2.8	336	F2510
	40 x 48	90	1.3	160	F1012		96 x 48	38	3.2	384	F2512
4 ft series	48 x 24	150	0.8	96	F1206		96 x 60	30	4.0	480	F2515
	48 x 30	120	1.0	120	F1208		96 x 72	25	4.8	576	F2518
	48 x 36	100	1.2	144	F1209		96 x 84	21	5.6	672	F2521
	48 x 48	75	1.6	192	F1212		96 x 96	19	6.4	768	F2525
5 ft series	60 x 24	120	1.0	120	F1506	9 ft series	108 x 24	67	1.8	216	F2706
	60 x 30	96	1.3	150	F1508		108 x 30	53	2.3	270	F2708
	60 x 36	80	1.5	180	F1509		108 x 36	44	2.7	324	F2709
	60 x 42	69	1.8	210	F1510		108 x 42	38	3.2	378	F2710
	60 x 48	60	2.0	240	F1512		108 x 48	33	3.6	432	F2712
	60 x 60	48	2.5	300	F1515		108 x 60	27	4.5	540	F2715
6 ft series	72 x 24	100	1.2	144	F1806	108 x 72	22	5.4	648	F2718	
	72 x 30	80	1.5	180	F1808	108 x 84	19	6.3	756	F2721	
	72 x 36	67	1.8	216	F1809	108 x 96	17	7.2	864	F2725	
	72 x 42	57	2.1	252	F1810	108 x 108	15	8.1	972	F2727	
	72 x 48	50	2.4	288	F1812	10 ft series	118 x 24	61	2.0	236	F3006
	72 x 60	40	3.0	360	F1815		118 x 30	49	2.5	295	F3008
	72 x 72	33	3.6	432	F1818		118 x 36	41	3.0	354	F3009
7 ft series	84 x 24	86	1.4	168	F2106		118 x 42	35	3.4	413	F3010
	84 x 30	69	1.8	210	F2108		118 x 48	31	3.9	472	F3012
	84 x 36	57	2.1	252	F2109		118 x 60	24	4.9	590	F3015
	84 x 42	49	2.5	294	F2110		118 x 72	20	5.9	708	F3018
	84 x 48	43	2.8	336	F2112	118 x 84	17	6.9	826	F3021	
	84 x 60	34	3.5	420	F2115	118 x 96	15	7.9	944	F3025	
	84 x 72	29	4.2	504	F2118	118 x 108	14	8.9	1062	F3027	
84 x 84	25	4.9	588	F2121	118 x 116	13	9.5	1141	F3030		

\*The Shower Mat has a 5" center drain hole and exterior dimensions of 32" x 32".

## 240 VOLT STANDARD MATS

	Dimensions (inches)	Ohms	Amps	Watts	Model Number
5 ft series	60 x 36	320	0.8	180	G1509
	60 x 42	274	0.9	210	G1510
	60 x 48	240	1.0	240	G1512
	60 x 60	192	1.3	300	G1515
6 ft series	72 x 30	320	0.8	180	G1808
	72 x 36	267	0.9	216	G1809
	72 x 42	229	1.1	252	G1810
	72 x 48	200	1.2	288	G1812
	72 x 60	160	1.5	360	G1815
	72 x 72	133	1.8	432	G1818
7 ft series	84 x 24	343	0.7	168	G2106
	84 x 30	274	0.9	210	G2108
	84 x 36	229	1.1	252	G2109
	84 x 42	196	1.2	294	G2110
	84 x 48	171	1.4	336	G2112
	84 x 60	137	1.8	420	G2115
	84 x 72	114	2.1	504	G2118
	84 x 84	98	2.5	588	G2121
8 ft series	96 x 24	300	0.8	192	G2506
	96 x 30	240	1.0	240	G2508
	96 x 36	200	1.2	288	G2509
	96 x 42	171	1.4	336	G2510
	96 x 48	150	1.6	384	G2512
	96 x 60	120	2.0	480	G2515
	96 x 72	100	2.4	576	G2518
	96 x 84	86	2.8	672	G2521
	96 x 96	75	3.2	768	G2525

	Dimensions (inches)	Ohms	Amps	Watts	Model Number
9 ft series	108 x 24	267	0.9	216	G2706
	108 x 30	213	1.1	270	G2708
	108 x 36	178	1.4	324	G2709
	108 x 42	152	1.6	378	G2710
	108 x 48	133	1.8	432	G2712
	108 x 60	107	2.3	540	G2715
	108 x 72	89	2.7	648	G2718
	108 x 84	76	3.2	756	G2721
	108 x 96	67	3.6	864	G2725
10 ft series	108 x 108	59	4.1	972	G2727
	118 x 24	244	1.0	236	G3006
	118 x 30	195	1.2	295	G3008
	118 x 36	163	1.5	354	G3009
	118 x 42	140	1.7	413	G3010
	118 x 48	122	2.0	472	G3012
	118 x 60	98	2.5	590	G3015
	118 x 72	81	3.0	708	G3018
	118 x 84	70	3.4	826	G3021
	118 x 96	61	3.9	944	G3025
12 ft series	118 x 108	54	4.4	1062	G3027
	118 x 116	51	4.8	1141	G3030
	144 x 36	133	1.8	432	G144036
	144 x 60	80	3.0	720	G144060
	144 x 72	67	3.6	864	G144072
	144 x 96	50	4.8	1152	G144096
	144 x 108	44	5.4	1296	G144108
14 ft series	144 x 120	40	6.0	1440	G144120
	144 x 140	34	7.0	1679	G144140
	168 x 96	43	5.6	1344	G168096
	168 x 108	38	6.3	1512	G168108
20 ft series	168 x 120	34	7.0	1680	G168120
	168 x 140	29	8.2	1960	G168140
20 ft series	240 x 120	24	10.0	2400	G240120

## NUHEAT CUSTOM MAT – ORDERING DETAILS

If desired coverage cannot be obtained using one or a combination of NUHEAT Standard Mats, NUHEAT Custom Mats can provide the desired coverage for any area regardless of shape or size.

1. Provide an accurate drawing of the area including the full on-site perimeter dimensions, voltage, and desired thermostat location with all obstructions identified (vanities, toilets, vents, etc.). Please ensure that the installer or contractor contact information is provided in the event that we need to verify or confirm the dimensions.
2. Submit the drawing to the NUHEAT Customer Care Team at [res.customercare@nvent.com](mailto:res.customercare@nvent.com). Customer Care will provide a quote and AutoCAD drawing to confirm the submitted dimensions within 24 hours.
3. Once dimensions are accepted by the customer and payment is confirmed, the NUHEAT Custom Mat will be manufactured within three days and shipped to desired location.

## APPROVALS



"-W" wet rating for Canada as per Table 1 of C22.2 NO.130-16 and CEC section 62-104.

## NUHEAT MAT SPECIFICATIONS

Operating voltage	120 V, 208 V, and 240 V
Power output	12 W/ft <sup>2</sup> (15 W/ft <sup>2</sup> when required/specified)
Maximum continuous exposure temperature	194°F (90°C)
Minimum installation temperature	50°F (10°C)
Heating cable	Single wire with ground braid outer layer
Cold lead	2-wire, 18 AWG plus ground braid layer; 10 ft length

## ACCESSORIES

	Catalog number	Description
<b>Signature thermostat</b>	AC0055	WiFi-enabled floor heating thermostat. This programmable thermostat can be controlled using a mobile smart phone app (iOS and Android) or web browser.
<b>Home thermostat</b>	AC0056	Color touchscreen programmable floor heating thermostat with intuitive user interface and energy usage information.
<b>Element thermostat</b>	AC0057	Non-programmable thermostat for simple control of any electric floor heating system.

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