



**COMFORT YOU DESERVE**

## nVent NUHEAT Mat

Pre-built Electric Floor Heating Mat

  
nvent

**NUHEAT**



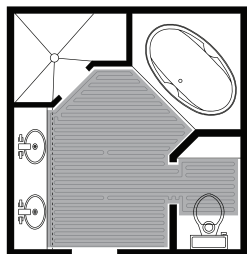
# THE COMFORT YOU DESERVE

Pre-built like an electric blanket, nVent NUHEAT Mats are an electric floor heating system that brings soothing heat to tile, stone, laminate and engineered wood floors.

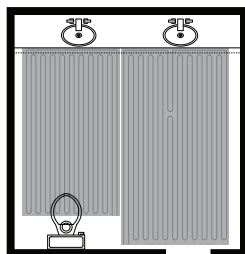
A cost-effective heating solution, Mats are inexpensive to install and do not require ductwork or any additional equipment to operate.

Both nVent NUHEAT Custom Mats and nVent NUHEAT Standard Mats offer an entirely maintenance-free heating alternative – with no cold spots.

Visit [nVent.com/NUHEAT](https://www.nvent.com/NUHEAT) to find a distributor near you.



Custom Mat layout



Standard Mat layout

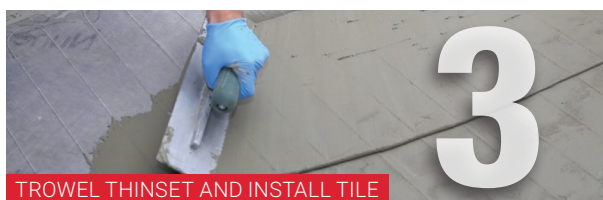
## HOW TO ORDER & PURCHASE NVENT NUHEAT:

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1. Obtain an accurately measured floor plan indicating all floor penetrations (measuring instructions available at [nVent.com/NUHEAT](http://nVent.com/NUHEAT))
2. Determine whether nVent NUHEAT Standard Mats or nVent NUHEAT Custom Mats are required
3. If unsure which floor heating solutions is best, fax or email your floor plan to the nVent NUHEAT Customer Care Team at [res.customer@nvent.com](mailto:res.customer@nvent.com) and a representative will recommend the appropriate nVent NUHEAT Mat(s) and controls for your project
4. Upon design confirmation, you will receive a quote for your project (Quote turnaround time is 24 hrs)

## INSTALLATION'S AS EASY AS 1-2-3

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A professional tile setter installs the Mat onto the subfloor. A certified electrician connects the system to your household wiring.

## FAST FACTS

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- Heats tile, stone, laminate/engineered wood and luxury vinyl floors
- Custom Mats available for rooms with curves and angles—custom manufactured in only 3 days!
- Available in over 70 standard off-the-shelf square and rectangular sizes
- Heats shower floors, shower benches and steam rooms  
Available in 120 V and 240 V
- Energy efficient (12 W/ft<sup>2</sup>; 41 BTUs /ft<sup>2</sup>)
- 15 W/ft<sup>2</sup>; 51 BTUs/ft<sup>2</sup> also available upon request
- Industry leading 25-Year Total Care Warranty

## FAQs

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### **Q: CAN NVENT NUHEAT MATS REPLACE MY ELECTRIC BASEBOARD HEATERS?**

**A:** Yes, nVent NUHEAT Mats produce 12 W/ft<sup>2</sup> for a heat output of 41 BTUs/ft<sup>2</sup>—easily heating most rooms.

### **Q: CAN I USE NVENT NUHEAT MATS TO REPLACE MY HOT-WATER RADIATOR?**

**A:** Yes, Mats are a viable alternative to water radiators. Invisible and maintenance-free, Mats are a perfect heating option for renovations or additions.

### **Q: WILL NVENT NUHEAT MATS HEAT THE WHOLE ROOM OR JUST THE FLOOR?**

**A:** The whole room! nVent NUHEAT Mats transform the entire floor area into the room's heat source—guaranteeing even, consistent heat.

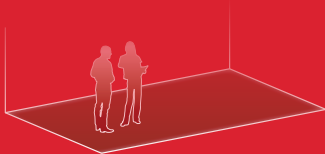
## HEAT COVERAGE COMPARISON

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### NVENT NUHEAT MATS

# 41-51

BTUs per ft<sup>2</sup>



### BASEBOARD HEATER

# 34

BTUs per ft<sup>2</sup>



## OPERATING COST EXAMPLE

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		<i>ft</i> <sup>2</sup>	<i>\$</i> <sup>*</sup>
Bathroom	5.5 hr.	50	\$0.18
Kitchen	7.5 hr.	150	\$0.75
Living Room	7.5 hr.	200	\$1.01

\*Average winter operating cost. Based on US Energy Information Administration 2017 national average of \$0.1289 per kWh and modern insulation standards.



## **NVENT NUHEAT MAT ELECTRICAL DETAILS:**

- 150 ft<sup>2</sup> can be installed on a single 120 V circuit
- 300 ft<sup>2</sup> can be installed on a single thermostat
- nVent NUHEAT Controls are equipped with ground fault circuit interrupter (G.F.C.I.) protection
- All nVent NUHEAT thermostats come with a floor sensing probe
- Electrical installation instructions are available at [nVent.com/NUHEAT](http://nVent.com/NUHEAT)



## **WARRANTY**

**JOIN THE EXCLUSIVE RIGHTS** to offer 25-Year Total Care Warranty\* for your floor heating installations. By signing up today you're on your way to distinguishing yourself through expert certification.

\* Total Care Warranty is an upgrade of our product warranty and is offered exclusively at no additional cost for all installations completed by nVent NUHEAT Certified PRO installers. To learn more on how to become a nVent NUHEAT Certified PRO installer visit [nVent.com/NUHEAT](http://nVent.com/NUHEAT).

For more information, please call: +1.800.778.WARM(9276)  
or email: [res.customer@nvent.com](mailto:res.customer@nvent.com)

## STANDARD MATS (120 V)

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

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

## STANDARD MATS (240 V)

	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
9 ft series	96 x 96	75	3.2	768	G2525
	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
	108 x 108	59	4.1	972	G2727
10 ft series	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
	118 x 108	54	4.4	1062	G3027
	118 x 116	51	4.8	1141	G3030
12 ft series	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
	144 x 120	40	6.0	1440	G144120
	144 x 140	34	7.0	1679	G144140
14 ft series	168 x 96	43	5.6	1344	G168096
	168 x 108	38	6.3	1512	G168108
	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

Information subject to change at any time. For a complete list of up-to-date specifications, please visit [nVent.com/NUHEAT](http://nVent.com/NUHEAT).

# THERMOSTATS



## nVent NUHEAT Signature

WiFi-Enabled

Floor Heating Thermostat

- WiFi-enabled
- 3.5 in Color touchscreen
- Energy usage monitor
- 7-day programmability
- Dual-voltage (120 V & 240 V)



Control4



## nVent NUHEAT Home

Programmable

Floor Heating Thermostat

- 3.5 in Color touchscreen
- Energy usage monitor
- 7-day programmability
- Dual-voltage (120 V & 240 V)



## nVent NUHEAT Element

Non-Programmable

Floor Heating Thermostat

- Manual temperature control
- Dual-voltage (120 V & 240 V)

## North America

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[nVent.com/NUHEAT](http://nVent.com/NUHEAT)

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NUHEAT-SB-H59281-FloorHeatingMat-EN-2003

All thermostats come with manufacturer's limited (3) three-year warranty (valid from the date of purchase) and built-in GFCI protection.