



### STOCK Hi-Density Pennybottom™ Cartridge Heaters with Built-In Type J Thermocouple

Cartridge Heater Diameter	Sheath Length		Watts	Watt Density		Part Number			
	in	mm		W/in <sup>2</sup>	W/cm <sup>2</sup>	120V Tempco	DME	240V Incoe	Tempco
1/4" Actual .248	1½	38.1	200	255	39	—	—	—	HDP00001
	1¾	44.5	200	204	32	HDP00002	—	—	—
	2	50.8	200	170	26	HDP00003	—	—	HDP00004
	2½	63.5	200	127	20	HDP00005	—	—	HDP00006
	3	76.2	200	102	16	HDP00007	—	—	HDP00008
	3½	88.9	250	106	16	—	—	—	HDP00009
	4	101.6	250	91	14	—	—	—	HDP00010
	5	127.0	250	71	11	—	—	—	HDP00011
3/8" Actual .371	1¾	44.5	200	136	21	—	TCH0001	TJ38017	HDP00012
	2	50.8	250	141	22	—	TCH0002	TJ38020	HDP00013
	2½	63.5	250	106	16	—	TCH0003	TJ38025	HDP00014
	3	76.2	260	88	14	—	TCH0004	TJ38030	HDP00015
	3½	88.9	320	91	14	—	TCH0005	TJ38035	HDP00016
	4	101.6	370	90	14	—	TCH0006	TJ38040	HDP00017
	4½	114.3	420	89	14	—	TCH0007	TJ38045	HDP00018
	5	127.0	470	89	14	—	TCH0008	TJ38050	HDP00019
	5½	139.7	525	89	14	—	TCH0009	TJ38055	HDP00020
	6	152.4	575	89	14	—	TCH0010	TJ38060	HDP00021
	6½	165.1	625	88	14	—	TCH0011	TJ38065	HDP00022
	7	177.8	675	88	14	—	TCH0012	TJ38070	HDP00023
	7½	190.5	725	88	14	—	TCH0013	TJ38075	HDP00024
	8	203.2	775	88	14	—	TCH0014	TJ38080	HDP00025
	9	228.6	885	88	14	—	—	TJ38090	HDP00026
9½	241.3	940	89	14	—	—	TJ38095	HDP00027	
1/2" Actual .496	10	254.0	990	88	14	—	—	TJ38100	HDP00028
	10½	266.7	1045	89	14	—	—	TJ38105	HDP00029
	11½	292.1	1500	116	18	—	—	TJ38115	HDP00030
	2½	63.5	280	89	14	—	—	TJ12025	HDP00031
	3½	88.9	420	89	14	—	TCH0015	TJ12035	HDP00032
	4	101.6	490	89	14	—	TCH0016	TJ12040	HDP00033
	4½	114.3	550	88	14	—	TCH0017	TJ12045	HDP00034
	5	127.0	625	88	14	—	TCH0018	TJ12050	HDP00035
	5½	139.7	700	89	14	—	TCH0019	TJ12055	HDP00036
	6	152.4	775	90	14	—	TCH0020	TJ12060	HDP00037
	6½	165.1	850	90	14	—	TCH0021	TJ12065	HDP00038
	7	177.8	900	88	14	—	—	TJ12070	HDP00039
	7½	190.5	975	89	14	—	TCH0022	TJ12075	HDP00040
	8	203.2	1050	89	14	—	—	TJ12080	HDP00041
	8½	215.9	1100	88	14	—	—	TJ12085	HDP00042
9	228.6	1200	90	14	—	—	TJ12090	HDP00043	
9½	241.3	1250	88	14	—	—	TJ12095	HDP00044	
10	254.0	1325	89	14	—	—	TJ12100	HDP00045	
10½	266.7	1400	89	14	—	—	TJ12105	HDP00046	
11	279.4	1470	89	14	—	—	TJ12110	HDP00047	
12½	317.5	1675	89	14	—	—	TJ12125	HDP00048	
13½	342.9	1800	88	14	—	—	TJ12135	HDP00049	

*All Items Available from Stock*

### Ordering Information

#### Stock Heaters

Order by Catalog Part Number from the Stock Sizes and Ratings List above. Note that Part Numbers shown are for heaters with 36" Heater and T/C Leads. Thermocouple Type J grounded at disc end.

#### Custom Engineered/Manufactured Heaters

Because an electric heater can be very application specific, for sizes and ratings not listed, **TEMPCO** will design and manufacture a Pennybottom™ Cartridge Heater to meet your requirements. **Standard lead time is 3 weeks.**

**Please Specify** the following:

- Diameter
- Length
- Wattage
- Voltage
- Lead and Thermocouple Lengths
- Special Features

**⚠ WARNING:** Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

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