



Standard (Non-Stock) Finned Tubular Duct Heaters

Watt Density		Dimensions Reference Number	Part Number			Part Number			
W/in ²	W/cm ²		240V-1Ph (C*)	240V-3Ph (C*)	Replacements Elements	480V-1 Ph (C*)	480V-3 Ph (C*)	Replacements Elements	
42	6.5	6	1	FDH01002 (1)	FDH01003 (1)	THF00706	FDH01004 (1)	FDH01005 (1)	THF00707
		12	2	FDH01006 (1)	FDH01007 (1)	THF00706	FDH01008 (1)	FDH01009 (1)	THF00707
		18	3	FDH01010 (2)	FDH01011 (1)	THF00706	FDH01012 (1)	FDH01013 (1)	THF00707
		24	4	FDH01014 (2)	FDH01015 (2)	THF00706	FDH01016 (1)	FDH01017 (1)	THF00707
		30	5	—	FDH01018 (2)	THF00706	FDH01019 (2)	FDH01020 (1)	THF00707
		36	6	—	FDH01021 (2)	THF00706	FDH01022 (2)	FDH01023 (1)	THF00707
		42	7	—	FDH01024 (2)	THF00706	FDH01025 (2)	FDH01026 (1)	THF00707
		48	8	—	FDH01027 (4)	THF00706	FDH01028 (2)	FDH01029 (2)	THF00707
		54	9	—	FDH01030 (3)	THF00706	FDH01031 (3)	FDH01032 (2)	THF00707
		60	10	—	FDH01033 (4)	THF00706	FDH01034 (4)	FDH01035 (2)	THF00707
		75	11	—	FDH01036 (4)	THF00710	FDH01037 (4)	FDH01038 (2)	THF00711
		100	12	—	—	—	—	FDH01039 (4)	THF00714
		125	13	—	—	—	—	FDH01040 (4)	THF00716
62	9.6	9	1	FDH01041 (1)	FDH01042 (1)	THF00708	FDH01043 (1)	FDH01044 (1)	THF00709
		18	2	FDH01045 (2)	FDH01046 (1)	THF00708	FDH01047 (1)	FDH01048 (1)	THF00709
		27	3	FDH01049 (3)	FDH01050 (2)	THF00708	FDH01051 (2)	FDH01052 (1)	THF00709
		36	4	—	FDH01053 (2)	THF00708	FDH01054 (2)	FDH01055 (1)	THF00709
		45	5	—	FDH01056 (5)	THF00708	FDH01057 (2)	FDH01058 (2)	THF00709
		54	6	—	FDH01059 (3)	THF00708	FDH01060 (3)	FDH01061 (2)	THF00709
		63	7	—	FDH01062 (7)	THF00708	FDH01063 (3)	FDH01064 (2)	THF00709
		72	8	—	FDH01065 (4)	THF00708	FDH01066 (4)	FDH01067 (2)	THF00709
		81	9	—	FDH01068 (6)	THF00708	FDH01069 (6)	FDH01070 (3)	THF00709
		90	10	—	FDH01071 (5)	THF00708	FDH01072 (4)	FDH01073 (4)	THF00709
		115	11	—	FDH01074 (10)	THF00712	FDH01075 (5)	FDH01076 (4)	THF00713
		150	12	—	—	—	—	FDH01077 (4)	THF00715
		190	13	—	—	—	—	FDH01078 (5)	THF00717

(C*) = Number of Branch Circuits per heater (48 amps each branch max). For different circuit wiring configurations consult Tempco.

The 42 watt/sq.in. heaters are rated for outlet air temperatures up to 475°F at a minimum 1000 SFPM inlet air velocity.

The 62 watt/sq.in. heaters are rated for outlet air temperatures up to 500°F at a minimum 1750 SFPM air velocity.

Heaters are designed for ambient air heating at a nominal inlet temperature range of 60°- 100°F.

Inlet air temperature should not exceed 300°F.

Maximum recommended sheath operating temperature is 1000°F. If a higher temperature is needed, an unfinned alloy sheath TDH unit should be used.

Ordering Information

Catalog Heaters

Order by catalog number for catalog heaters.

Standard lead time is 3 to 4 weeks.

Note that Replacement Element Part Numbers for each heater are also listed.

Custom Engineered/Manufactured Heaters

For sizes and ratings not listed, **TEMPCO** will design and manufacture a Duct Heater to meet your requirements. Specify if UL or CSA approval required.

Please Specify the following:

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|---|--|---|
| <input type="checkbox"/> Duct size | <input type="checkbox"/> Element watt density | <input type="checkbox"/> Over-temperature thermocouple, if required |
| <input type="checkbox"/> Air flow velocity | <input type="checkbox"/> Element sheath material | <input type="checkbox"/> UL or CSA approval |
| <input type="checkbox"/> Inlet and outlet temperature | <input type="checkbox"/> Mounting flange material | <input type="checkbox"/> Any other modifications |
| <input type="checkbox"/> Wattage, voltage and phase | <input type="checkbox"/> Insulation thickness | |
| <input type="checkbox"/> Number of circuits | <input type="checkbox"/> Electrical enclosure type | |

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.