

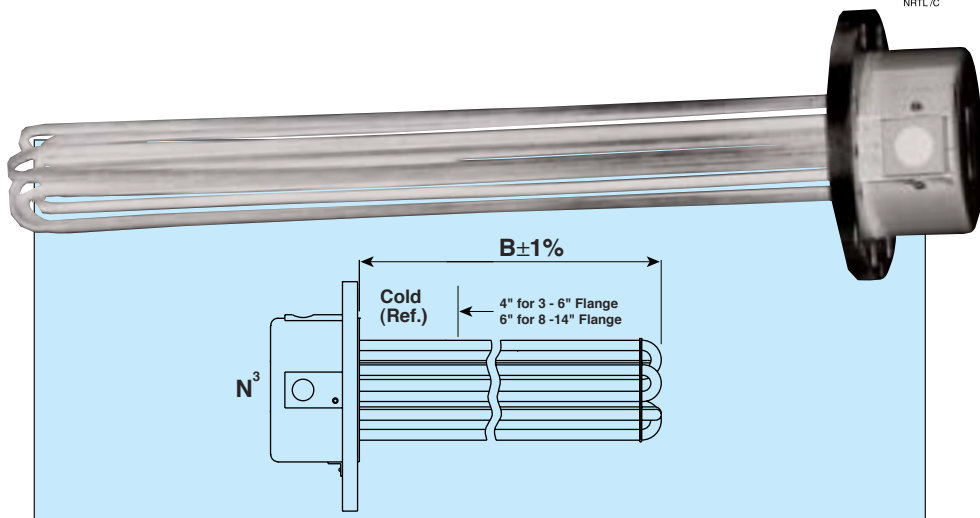
FLANGED IMMERSION HEATER FOR MEDIUM WEIGHT OIL

TMO Series

- ✓ UL Listed
- ✓ 3 to 24 kW
- ✓ Low Watt Density, 15 W/in²
- ✓ 3.5 and 6 Inch 150 lb. steel Flange
- ✓ High Grade Steel Sheath

FEATURES

Heavy coil construction — Watt density on the heating coil is designed for low watt density operation by increasing the coil diameter and length to give maximum coil surface area and limit coil surface temperature, providing longer coil life.



SPECIFICATIONS

Wattage: 3 to 80kW

Power: 240 and 480 VAC, 1 & 3 phase

Watt Density: 15 W/in²

APPLICATIONS

Heating medium viscosity oil — Suitable for heating medium bodied oils such as industrial gear oils or numbers 4 and 5 residual fuel oils. Heating provides low ambient temperature protection, ensuring that oil remains fluid to lubricate effectively and reduce load on gear motor drives.

To Order (Specify Model Number)

kW	Dim.B in (cm)	Wt. lb(kg)	E1 General Purpose Enclosure ¹ Model No.	Dim. N, in(cm)	E2 Moisture Resistant/ Explosion Res. Encl. ² Model No.	Dim. N in(cm)
3 Inch-150 lbs. Steel Flange, 3 Steel Sheath Elements — 15 W/in²						
3	25 ³ / ₁₆ (64)	17 (8)	TMO-30315/240/	1 (3)	TMO-30315E2/240/*	¾ (2)
3	25 ³ / ₁₆ (64)	17 (8)	TMO-30315/480/	1 (3)	TMO-30315E2/480/*	¾ (2)
4	33 ³ / ₁₆ (84)	18 (8)	TMO-30415/240/	1 (3)	TMO-30415E2/240/*	¾ (2)
4	33 ³ / ₁₆ (84)	18 (8)	TMO-30415/480/	1 (3)	TMO-30415E2/480/*	¾ (2)
6	48 ³ / ₁₆ (122)	21 (10)	TMO-30615/240/	1 (3)	TMO-30615E2/240/*	¾ (2)
6	48 ³ / ₁₆ (122)	21 (10)	TMO-30615/240/*	1 (3)	TMO-30615E2/240/*	¾ (2)

Ordering Example: Model TMO-30315/240, is a 3kW heater powered by 1 phase 240 VAC,

CAUTION AND WARNING!

Fire and electrical shock may result if products are used improperly or installed or used by non-qualified personnel. See inside back cover for additional warning.

To Order (Specify Model Number)

kW	Circ. & Ph.	Dim.B in (cm)	Wt. lb (kg)	General Purpose Encl. ¹ Model No.	Dim.N in (cm)	E3 Explosion Res. Encl. ² Model No.	Dim.N in (cm)	E4 Moisture Res. Encl. ¹ Model No.	Dim.N in (cm)
5 Inch-150 Lb. Steel Flange, 6 Stainless Sheath Elements — 15 W/in²									
8	1-3	33 ³ / ₁₆ (84)	33 (15)	TMO-60825/**/3P	1 (3)	TMO-60825E3/**/3P	1½ (4)	TMO-60825E4/**/3P	1 (3)
10	1-3	40 ³ / ₁₆ (103)	34 (15)	TMO-61025/**/3P	1 (3)	TMO-61025E3/**/3P	1½ (4)	TMO-61025E4/**/3P	1 (3)
12	1-3	48 ³ / ₁₆ (122)	37 (17)	TMO-61225/**/3P	1 (3)	TMO-61225E3/**/3P	1½ (4)	TMO-61225E4/**/3P	1 (3)
15	1-3	57 ³ / ₁₆ (145)	40 (18)	TMO-61525/**/3P	1 (3)	TMO-61525E3/**/3P	1½ (4)	TMO-61525E4/**/3P	1 (3)
18	1-3	68 ³ / ₁₆ (173)	43 (20)	TMO-61825/**/3P	1 (3)	TMO-61855E3/**/3P	1½ (4)	TMO-61825E4/**/3P	1 (3)
6 Inch-150 Lb. steel Flange, 12 Cooper Sheath Elements — 15 W/in²									
12	2-3	25 ³ / ₁₆ (64)	67 (30)	TMO-1212F1/**/3P	1 (3)	TMO-1212F1E3/**/3P	1½ (4)	TMO-1212F1E4/**/3P	1½ (4)
16	2-3	33 (84)	76 (34)	TMO-1216F1/**/3P	1 (3)	TMO-1216F1E3/**/3P	1½ (4)	TMO-1216F1E4/**/3P	1½ (4)
20	2-3	40 ³ / ₁₆ (103)	84 (38)	TMO-1220F1/240/3P	2 (5)	TMO-1220F1E3/240/3P	1½ (4)	TMO-1220F1E4/240/3P	1½ (4)
20	2-3	40 ³ / ₁₆ (103)	84 (38)	TMO-1220F1/480/3P	1 (3)	TMO-1220F1E3/480/3P	1½ (4)	TMO-1220F1E4/480/3P	1½ (4)
24	2-3	48(122)	111 (50)	TMO-1224F1/240/3P	2 (5)	TMO-1224F1E3/240/3P	1½ (4)	TMO-1224F1E4/240/3P	1½ (4)
24	2-3	48 (122)	111 (50)	TMO-1224F1/480/3P	1 (3)	TMO-1224F1E3/480/3P	1½ (4)	TMO-1224F1E4/480/3P	1½ (4)

/* Add the suffix "/3P" to the catalog number for 3 phase power.

/** Designate voltage, i.e., 240 for 240 VAC or 480 for 480 VAC.

Note: Larger flange sizes and kW rating available. Contact

Omegalux®

¹Heaters with General Purpose and Moisture Resistant

Enclosures are UL Listed and CSA Certified.

²Heaters with Explosion Resistant Enclosures are CSA NRTL/C certified and are not intended for use in hazardous areas.

Ordering Example: Model TMO-60825/240/3P, is a 8kW heater powered by 3 phase 240 VAC,



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