

# FLANGED IMMERSION HEATER FOR MEDIUM WEIGHT OIL

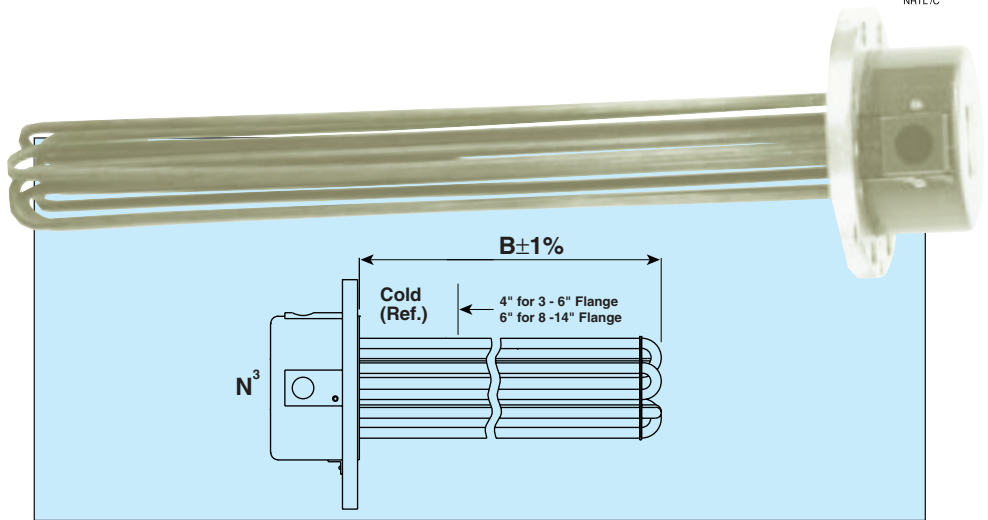


## TMO Series

- ✓ UL Listed
- ✓ 3 to 24 kW
- ✓ Low Watt Density, 15 W/in<sup>2</sup>
- ✓ 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/in<sup>2</sup>

### 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 <sup>1</sup>		Dim. N. in(cm)	E2 Moisture Resistant/ Explosion Res. Encl. <sup>2</sup>		Dim. N in(cm)
			Model No.	Price		Model No.	Price	
<b>3 Inch-150 lbs. Steel Flange, 3 Steel Sheath Elements — 15 W/in<sup>2</sup></b>								
3	25 <sup>3</sup> / <sub>16</sub> (64)	17(8)	TMO-30315/240/	*\$727	1 (3)	TMO-30315E2/240/*	\$927	¾ (2)
3	25 <sup>3</sup> / <sub>16</sub> (64)	17(8)	TMO-30315/480/	*727	1 (3)	TMO-30315E2/480/*	927	¾ (2)
4	33 <sup>3</sup> / <sub>16</sub> (84)	18 (8)	TMO-30415/240/	*818	1 (3)	TMO-30415E2/240/*	1017	¾ (2)
4	33 <sup>3</sup> / <sub>16</sub> (84)	18 (8)	TMO-30415/480/	*818	1 (3)	TMO-30415E2/480/*	1017	¾ (2)
6	48 <sup>3</sup> / <sub>16</sub> (122)	21 (10)	TMO-30615/240/	*965	1 (3)	TMO-30615E2/240/*	1173	¾ (2)
6	48 <sup>3</sup> / <sub>16</sub> (122)	21 (10)	TMO-30615/240/*	965	1 (3)	TMO-30615E2/240/*	1173	¾ (2)

**Ordering Example:** Model TMO-30315/240, is a 3kW heater powered by 1 phase 240 VAC, \$727.

### 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. <sup>1</sup>		Dim. N in (cm)	E3 Explosion Res. Encl. <sup>2</sup>		Dim. N in (cm)	E4 Moisture Res. Encl. <sup>1</sup>		Dim. N in (cm)
				Model No.	Price		Model No.	Price		Model No.	Price	
<b>5 Inch-150 Lb. Steel Flange, 6 Stainless Sheath Elements — 15 W/in<sup>2</sup></b>												
8	1-3	33 <sup>3</sup> / <sub>16</sub> (84)	33 (15)	TMO-60825/**/3P	\$1477	1 (3)	TMO-60825E3/**/3P	\$2014	1½ (4)	TMO-60825E4/**/3P	\$1929	1 (3)
10	1-3	40 <sup>3</sup> / <sub>16</sub> (103)	34 (15)	TMO-61025/**/3P	1627	1 (3)	TMO-61025E3/**/3P	2167	1½ (4)	TMO-61025E4/**/3P	2086	1 (3)
12	1-3	48 <sup>3</sup> / <sub>16</sub> (122)	37 (17)	TMO-61225/**/3P	1782	1 (3)	TMO-61225E3/**/3P	2320	1½ (4)	TMO-61225E4/**/3P	2232	1 (3)
15	1-3	57 <sup>3</sup> / <sub>16</sub> (145)	40 (18)	TMO-61525/**/3P	2091	1 (3)	TMO-61525E3/**/3P	2541	1½ (4)	TMO-61525E4/**/3P	2541	1 (3)
18	1-3	68 <sup>3</sup> / <sub>16</sub> (173)	43 (20)	TMO-61825/**/3P	2378	1 (3)	TMO-61855E3/**/3P	2914	1½ (4)	TMO-61825E4/**/3P	2822	1 (3)
<b>6 Inch-150 Lb. steel Flange, 12 Cooper Sheath Elements — 15 W/in<sup>2</sup></b>												
12	2-3	25 <sup>3</sup> / <sub>16</sub> (64)	67 (30)	TMO-1212F1/**/3P	2687	1 (3)	TMO-1212F1E3/**/3P	3534	1½ (4)	TMO-1212F1E4/**/3P	3280	1½ (4)
16	2-3	33 (84)	76 (34)	TMO-1216F1/**/3P	3035	1 (3)	TMO-1216F1E3/**/3P	3813	1½ (4)	TMO-1216F1E4/**/3P	3533	1½ (4)
20	2-3	40 <sup>3</sup> / <sub>16</sub> (103)	84 (38)	TMO-1220F1/240/3P	3226	2 (5)	TMO-1220F1E3/240/3P	4000	1½ (4)	TMO-1220F1E4/240/3P	3741	1½ (4)
20	2-3	40 <sup>3</sup> / <sub>16</sub> (103)	84 (38)	TMO-1220F1/480/3P	3226	1 (3)	TMO-1220F1E3/480/3P	4000	1½ (4)	TMO-1220F1E4/480/3P	3741	1½ (4)
24	2-3	48(122)	111 (50)	TMO-1224F1/240/3P	3475	2 (5)	TMO-1224F1E3/240/3P	4241	1½ (4)	TMO-1224F1E4/240/3P	4037	1½ (4)
24	2-3	48 (122)	111 (50)	TMO-1224F1/480/3P	3475	1 (3)	TMO-1224F1E3/480/3P	4241	1½ (4)	TMO-1224F1E4/480/3P	4037	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®

<sup>1</sup>Heaters with General Purpose and Moisture Resistant

Enclosures are UL Listed and CSA Certified.  
<sup>2</sup>Heaters 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, \$1477.



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