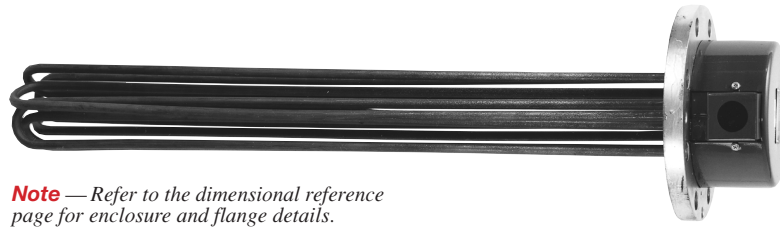


## TMO

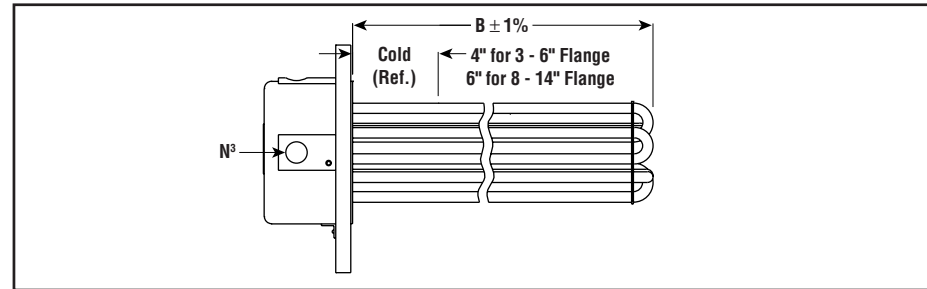
### Light Weight Oil Applications



- 3 - 14" 150 Lb. Carbon Steel Flange
- Steel Sheath Elements
- Steel Thermowell
- 20 - 23 W/In<sup>2</sup>
- 3 - 125 kW
- 240 and 480 Volt, 1 & 3 Phase
- General Purpose, Moisture Resistant or Moisture Resistant/Explosion Resistant Terminal Enclosures

**Note** — Refer to the dimensional reference page for enclosure and flange details.

#### Dimensions (Inches)



Same-day shipping on stock item orders received before 4 pm CST.  
3-day shipping on assembly-stock items.

#### Specifications and Ordering Information

					E1 General Purpose <sup>1</sup>				E2 Moisture Resistant/Explosion Resistant <sup>2</sup>							
kW	Volts	CKT & Phase	DIM B (In.)	Wt. <sup>4</sup> (Lbs.)	Model	Stock	PCN	DIM N <sup>3</sup> (In.)	Model	Stock	PCN	DIM N <sup>3</sup> (In.)				
<b>3 Inch - 150 Lb. Steel Flange — 3 Steel Sheath Elements — 23 W/In<sup>2</sup></b>																
3	240	1-1	18-1/16	16	TMO-3035	AS	196269	1	TMO-3035E2	AS	180291	3/4				
3	240	1-3	18-1/16	16	TMO-3035	AS	196277	1	TMO-3035E2	AS	180304	3/4				
3	480	1-1	18-1/16	16	TMO-3035	AS	196285	1	TMO-3035E2	AS	180312	3/4				
3	480	1-3	18-1/16	16	TMO-3035	AS	196293	1	TMO-3035E2	AS	180320	3/4				
4.5	240	1-1	25-3/16	17	TMO-3045	AS	196306	1	TMO-3045E2	AS	180339	3/4				
4.5	240	1-3	25-3/16	17	TMO-3045	AS	196314	1	TMO-3045E2	AS	180347	3/4				
4.5	480	1-1	25-3/16	17	TMO-3045	AS	196322	1	TMO-3045E2	AS	180355	3/4				
4.5	480	1-3	25-3/16	17	<b>TMO-3045</b>	<b>S</b>	<b>196330</b>	1	TMO-3045E2	AS	180363	3/4				
6	240	1-1	33-1/16	18	TMO-3065	AS	196349	1	TMO-3065E2	AS	180371	3/4				
6	240	1-3	33-1/16	18	<b>TMO-3065</b>	<b>S</b>	<b>196357</b>	1	TMO-3065E2	AS	180380	3/4				
6	480	1-1	33-1/16	18	TMO-3065	AS	196365	1	TMO-3065E2	AS	180398	3/4				
6	480	1-3	33-1/16	18	<b>TMO-3065</b>	<b>S</b>	<b>196373</b>	1	TMO-3065E2	AS	180400	3/4				
7.5	480	1-1	40-9/16	20	TMO-3075	AS	196402	1	TMO-3075E2	AS	180435	3/4				
7.5	480	1-3	40-9/16	20	TMO-3075	AS	196410	1	TMO-3075E2	AS	180443	3/4				
9	240	1-1	48-1/16	21	TMO-3095	AS	196429	1	TMO-3095E2	AS	180451	3/4				
9	240	1-3	48-1/16	21	TMO-3095	AS	196437	1	TMO-3095E2	AS	180460	3/4				
9	480	1-1	48-1/16	21	TMO-3095	AS	196445	1	TMO-3095E2	AS	180478	3/4				
9	480	1-3	48-1/16	21	<b>TMO-3095</b>	<b>S</b>	<b>196453</b>	1	<b>TMO-3095E2</b>	<b>S</b>	<b>180486</b>	3/4				
					E1 General Purpose <sup>1</sup>				E3 Explosion Resistant <sup>2</sup>				E4 Moisture Resistant <sup>1</sup>			
kW	Volts	CKT & Phase	DIM B (In.)	Wt. <sup>4</sup> (Lbs.)	Model	Stock	PCN	DIM N <sup>3</sup> (In.)	Model	Stock	PCN	DIM N <sup>3</sup> (In.)	Model	Stock	PCN	DIM N <sup>3</sup> (In.)
<b>5 Inch - 150 Lb. Steel Flange — 6 Steel Sheath Elements — 23 W/In<sup>2</sup></b>																
6	240	1-3	18-1/16	27	TMO-6065	AS	196710	1	TMO-6065E3	AS	177607	1-1/2	TMO-6065E4	AS	177631	1
6	480	1-3	18-1/16	27	TMO-6065	AS	196736	1	TMO-6065E3	AS	177623	1-1/2	TMO-6065E4	AS	177615	1
7.5	240	1-3	19-3/16	30	TMO-6075	AS	196752	1	TMO-6075E3	AS	177640	1-1/2	TMO-6075E4	AS	177658	1
7.5	480	1-3	19-3/16	30	TMO-6075	AS	196779	1	TMO-6075E3	AS	177666	1-1/2	TMO-6075E4	AS	177674	1
9	240	1-3	25-3/16	32	TMO-6095	AS	196795	1	TMO-6095E3	AS	181614	1-1/2	TMO-6095E4	AS	181622	1
9	480	1-3	25-3/16	32	TMO-6095	AS	196816	1	TMO-6095E3	AS	181630	1-1/2	TMO-6095E4	AS	181649	1
12	240	1-3	33-1/16	33	<b>TMO-6125</b>	<b>S</b>	<b>196832</b>	1	TMO-6125E3	AS	181657	1-1/2	TMO-6125E4	AS	181665	1
12	480	1-3	33-1/16	33	<b>TMO-6125</b>	<b>S</b>	<b>196859</b>	1	TMO-6125E3	AS	181673	1-1/2	TMO-6125E4	AS	181681	1
15	240	1-3	40-9/16	35	<b>TMO-6155</b>	<b>S</b>	<b>196875</b>	1	TMO-6155E3	AS	181690	1-1/2	TMO-6155E4	AS	181702	1
15	480	1-3	40-9/16	35	<b>TMO-6155</b>	<b>S</b>	<b>196891</b>	1	TMO-6155E3	AS	181710	1-1/2	TMO-6155E4	AS	181729	1
20	240	2-3	52-1/16	38	<b>TMO-6205</b>	<b>S</b>	<b>196912</b>	1	TMO-6205E3	AS	181737	1-1/2	TMO-6205E4	AS	181745	1
20	480	1-3	52-1/16	38	<b>TMO-6205</b>	<b>S</b>	<b>196939</b>	1	TMO-6205E3	AS	181753	1-1/2	TMO-6205E4	AS	181761	1

## TMO

### Light Weight Oil Applications *(cont'd.)*

#### Specifications and Ordering Information

					E1 General Purpose <sup>1</sup>				E3 Explosion Resistant <sup>2</sup>				E4 Moisture Resistant <sup>1</sup>			
kW	Volts	CKT & Phase	DIM B (In.)	Wt. <sup>4</sup> (Lbs.)	Model	Stock	PCN	DIM N <sup>3</sup> (In.)	Model	Stock	PCN	DIM N <sup>3</sup> (In.)	Model	Stock	PCN	DIM N <sup>3</sup> (In.)
<b>5 Inch - 150 Lb. Steel Flange — 6 Steel Sheath Elements — 23 W/In<sup>2</sup></b>																
25	240	2-3	65-1/16	42	TMO-6255	AS	181770	1	TMO-6255E3	AS	181788	1-1/2	TMO-6255E4	AS	181796	1
25	480	1-3	65-1/16	42	TMO-6255	AS	181809	1	TMO-6255E3	AS	181817	1-1/2	TMO-6255E4	AS	181825	1
30	240	2-3	78-1/16	46	TMO-6305	AS	181833	1	TMO-6305E3	AS	181841	1-1/2	TMO-6305E4	AS	181850	1
30	480	1-3	78-1/16	46	TMO-6305	AS	181868	1	TMO-6305E3	AS	181876	1-1/2	TMO-6305E4	AS	181884	1
<b>6 Inch - 150 Lb. Steel Flange — 12 Steel Sheath Elements — 23 W/In<sup>2</sup></b>																
18	240	1-3	25-1/8	67	TMO-1218	AS	196947	1	TMO-1218E3	AS	290650	1-1/2	TMO-1218E4	AS	290669	1-1/2
18	480	1-3	25-1/8	67	TMO-1218	AS	196963	1	TMO-1218E3	AS	290677	1-1/2	TMO-1218E4	AS	290685	1-1/2
24	240	2-3	33	76	TMO-1224	AS	196998	2	TMO-1224E3	AS	290693	1-1/2	TMO-1224E4	AS	290706	1-1/2
24	480	1-3	33	76	TMO-1224	AS	196971	1	TMO-1224E3	AS	290714	1-1/2	TMO-1224E4	AS	290722	1-1/2
30	240	2-3	40-1/2	84	TMO-1230	AS	197000	2	TMO-1230E3	AS	290730	1-1/2	TMO-1230E4	AS	290749	1-1/2
30	480	1-3	40-1/2	84	TMO-1230	AS	197018	1	TMO-1230E3	AS	290757	1-1/2	TMO-1230E4	AS	290765	1-1/2
36	240	2-3	48	111	TMO-1236	AS	197034	2	TMO-1236E3	AS	290773	1-1/2	TMO-1236E4	AS	290781	1-1/2
36	480	1-3	48	111	TMO-1236	AS	197050	1	TMO-1236E3	AS	290790	1-1/2	TMO-1236E4	AS	290802	1-1/2
<b>8 Inch - 150 Lb. Steel Flange — 18 Steel Sheath Elements — 23 W/In<sup>2</sup></b>																
30	240	3-3	32-7/8	112	TMO-1830R1	AS	197181	1	TMO-1830R1E3	AS	291178	3/4	TMO-1830R1E4	AS	291186	1-1/2
30	480	3-3	32-7/8	112	TMO-1830R1	AS	197202	1	TMO-1830R1E3	AS	291194	3/4	TMO-1830R1E4	AS	291207	1-1/2
40	240	3-3	43-11/16	125	TMO-1840R1	AS	197210	1	TMO-1840R1E3	AS	291215	3/4	TMO-1840R1E4	AS	291223	1-1/2
40	480	3-3	43-11/16	125	TMO-1840R1	AS	197237	1	TMO-1840R1E3	AS	291231	3/4	TMO-1840R1E4	AS	291240	1-1/2
50	240	3-3	51-7/8	130	TMO-1850R1	AS	197245	1	TMO-1850R1E3	AS	291258	1	TMO-1850R1E4	AS	291266	1-1/2
50	480	3-3	51-7/8	130	TMO-1850R1	AS	197261	1	TMO-1850R1E3	AS	291274	3/4	TMO-1850R1E4	AS	291282	1-1/2
60	240	3-3	61-3/8	136	TMO-1860R1	AS	291290	1	TMO-1860R1E3	AS	291303	1	TMO-1860R1E4	AS	291311	1-1/2
60	480	3-3	61-3/8	136	TMO-1860R1	AS	291320	1	TMO-1860R1E3	AS	291338	3/4	TMO-1860R1E4	AS	291346	1-1/2
70	240	3-3	69-7/8	142	TMO-1870R1 <sup>5</sup>	NS	291354	1-1/4	TMO-1870R1E3 <sup>5</sup>	NS	291362	1-1/4	TMO-1870R1E4 <sup>5</sup>	NS	291370	1-1/2
70	480	3-3	69-7/8	142	TMO-1870R1	NS	291389	1	TMO-1870R1E3	NS	291397	3/4	TMO-1870R1E4	NS	291400	1-1/2
80	240	3-3	78-7/8	147	TMO-1880R1 <sup>5</sup>	AS	291418	1-1/4	TMO-1880R1E3 <sup>5</sup>	AS	291426	1-1/4	TMO-1880R1E4 <sup>5</sup>	AS	291434	1-1/2
80	480	3-3	78-7/8	147	TMO-1880R1	AS	291442	1	TMO-1880R1E3	AS	291450	3/4	TMO-1880R1E4	AS	291469	1-1/2
<b>10 Inch - 150 Lb. Steel Flange — 27 Steel Sheath Elements — 20 W/In<sup>2</sup></b>																
45	240	3-3	32-13/16	135	TMO-2745	NS	197368	1-1/4	TMO-2745E3	NS	291477	1-1/4	TMO-2745E4	NS	291485	1-1/4
45	480	3-3	32-13/16	135	TMO-2745	NS	197376	1-1/4	TMO-2745E3	NS	291493	1-1/4	TMO-2745E4	NS	291506	1-1/4
60	240	3-3	43-5/8	165	TMO-2760 <sup>5</sup>	NS	197384	1-1/4	TMO-2760E3 <sup>5</sup>	NS	291514	1-1/4	TMO-2760E4 <sup>5</sup>	NS	291522	1-1/4
60	480	3-3	43-5/8	165	TMO-2760	NS	197392	1-1/4	TMO-2760E3	NS	291530	1-1/4	TMO-2760E4	NS	291549	1-1/4
75	240	3-3	51-13/16	200	TMO-2775 <sup>5</sup>	NS	197405	1-1/4	TMO-2775E3 <sup>5</sup>	NS	291557	1-1/4	TMO-2775E4 <sup>5</sup>	NS	291565	1-1/4
75	480	3-3	51-13/16	200	TMO-2775	NS	197413	1-1/4	TMO-2775E3	NS	291573	1-1/4	TMO-2775E4	NS	291581	1-1/4
<b>12 Inch - 150 Lb. Steel Flange — 36 Steel Sheath Elements — 20 W/In<sup>2</sup></b>																
60	240	3-3	32-3/4	175	TMO-3660 <sup>5</sup>	NS	197421	1-1/2	TMO-3660E3 <sup>5</sup>	NS	291590	1-1/4	TMO-3660E4 <sup>5</sup>	NS	291602	1-1/2
60	480	3-3	32-3/4	175	TMO-3660	NS	197430	1-1/2	TMO-3660E3	NS	291610	1-1/4	TMO-3660E4	NS	291629	1-1/2
80	240	3-3	43-9/16	210	TMO-3680 <sup>5</sup>	NS	197448	1-1/2	TMO-3680E3 <sup>5</sup>	NS	291637	1-1/4	TMO-3680E4 <sup>5</sup>	NS	291645	1-1/2
80	480	3-3	43-9/16	210	TMO-3680	NS	197456	1-1/2	TMO-3680E3	NS	291653	1-1/4	TMO-3680E4	NS	291661	1-1/2
100	240	3-3	51-3/4	250	TMO-36100 <sup>5</sup>	NS	197464	1-1/2	TMO-36100E3 <sup>5</sup>	NS	291670	1-1/4	TMO-36100E4 <sup>5</sup>	NS	291688	1-1/2
100	480	3-3	51-3/4	250	TMO-36100	NS	197472	1-1/2	TMO-36100E3	NS	291696	1-1/4	TMO-36100E4	NS	291709	1-1/2
<b>14 Inch - 150 Lb. Steel Flange — 45 Steel Sheath Elements — 20 W/In<sup>2</sup></b>																
75	240	3-3	32-5/8	195	TMO-4575 <sup>5</sup>	NS	197480	2	TMO-4575E3 <sup>5</sup>	NS	093930	1-1/4	TMO-4575E4 <sup>5</sup>	NS	093999	1-1/2
75	480	3-3	32-5/8	195	TMO-4575	NS	197499	2	TMO-4575E3	NS	093948	1-1/4	TMO-4575E4	NS	094000	1-1/2
100	240	3-3	43-7/16	225	TMO-45100 <sup>5</sup>	NS	197501	2	TMO-45100E3 <sup>5</sup>	NS	093956	1-1/4	TMO-45100E4 <sup>5</sup>	NS	096129	1-1/2
100	480	3-3	43-7/16	225	TMO-45100	NS	197510	2	TMO-45100E3	NS	093964	1-1/4	TMO-45100E4	NS	096137	1-1/2
125	240	3-3	51-5/8	270	TMO-45125 <sup>5</sup>	NS	197528	2	TMO-45125E3 <sup>5</sup>	NS	093972	1-1/4	TMO-45125E4 <sup>5</sup>	NS	096145	1-1/2
125	480	3-3	51-5/8	270	TMO-45125 <sup>5</sup>	NS	197536	2	TMO-45125E3 <sup>5</sup>	NS	093980	1-1/4	TMO-45125E4 <sup>5</sup>	NS	096153	1-1/2

**Stock Status:** S = stock AS = assembly stock NS = non-stock

**To Order**—Specify model, PCN, kW, volts, phase and quantity.

- Heaters with General Purpose and Moisture Resistant Enclosures are UL Listed/Recognized and CSA Certified.
- Heaters with Explosion Resistant Enclosures are CSA NRTL/C Certified.
- E1 enclosure "N" designates conduit size, E2/E3/E4 enclosures "N" designates NPT thread size.
- Weights:
  - For Wt. of 3" flange with E2 enclosure add 3 lbs. to Wt. of E1 enclosure heater.
  - For Wt. of 5 and 6" flange with E3 or E4 enclosure add 7 lbs. to Wt. of E1 enclosure heater.
  - For Wt. of 8, 10, 12 and 14" flange with E3 or E4 enclosure add 10 lbs. to Wt. of E1 enclosure heater.
- Not UL or CSA (units exceed 48 Amps). Contact your Local Chromalox Sales office for additional circuits to comply with 48 Amp maximum.

FLANGED