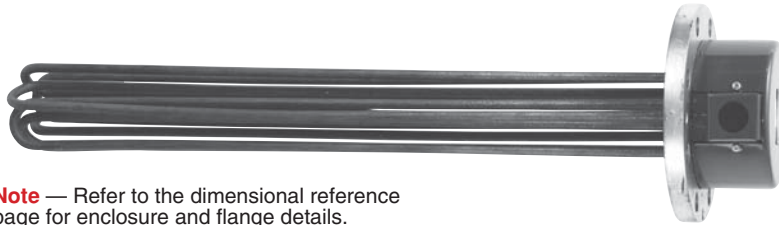


Immersion

TMO

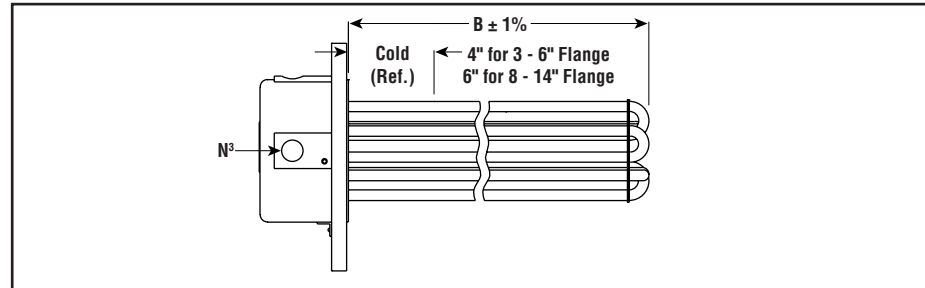
Light Weight Oil Applications

- 3 - 14" 150 Lb. Carbon Steel Flange
- Steel Sheath Elements
- Steel Thermowell
- 20 - 23 W/In²
- 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)



Specifications and Ordering Information

FASTShip[®]

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

					E1 General Purpose ¹				E2 Moisture Resistant/Explosion Resistant ²			
kW	Volts	CKT & Phase	DIM B (In.)	Wt. ⁴ (Lbs.)	Model	Stock	PCN	DIM N ³ (In.)	Model	Stock	PCN	DIM N ³ (In.)
3 Inch - 150 Lb. Steel Flange — 3 Steel Sheath Elements — 23 W/In²												
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	TMO-3045	S	196330	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	TMO-3065	S	196357	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	TMO-3065	S	196373	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	TMO-3095	S	196453	1	TMO-3095E2	S	180486	3/4

					E1 General Purpose ¹				E3 Explosion Resistant ²				E4 Moisture Resistant ¹			
kW	Volts	CKT & Phase	DIM B (In.)	Wt. ⁴ (Lbs.)	Model	Stock	PCN	DIM N ³ (In.)	Model	Stock	PCN	DIM N ³ (In.)	Model	Stock	PCN	DIM N ³ (In.)
5 Inch - 150 Lb. Steel Flange — 6 Steel Sheath Elements — 23 W/In²																
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	TMO-6125	S	196832	1	TMO-6125E3	AS	181657	1-1/2	TMO-6125E4	AS	181665	1
12	480	1-3	33-1/16	33	TMO-6125	S	196859	1	TMO-6125E3	AS	181673	1-1/2	TMO-6125E4	AS	181681	1
15	240	1-3	40-9/16	35	TMO-6155	S	196875	1	TMO-6155E3	AS	181690	1-1/2	TMO-6155E4	AS	181702	1
15	480	1-3	40-9/16	35	TMO-6155	S	196891	1	TMO-6155E3	AS	181710	1-1/2	TMO-6155E4	AS	181729	1
20	240	2-3	52-1/16	38	TMO-6205	S	196912	1	TMO-6205E3	AS	181737	1-1/2	TMO-6205E4	AS	181745	1
20	480	1-3	52-1/16	38	TMO-6205	S	196939	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 ¹				E3 Explosion Resistant ²				E4 Moisture Resistant ¹			
kW	Volts	CKT & Phase	DIM B (In.)	Wt. ⁴ (Lbs.)	Model	Stock	PCN	DIM N ³ (In.)	Model	Stock	PCN	DIM N ³ (In.)	Model	Stock	PCN	DIM N ³ (In.)
5 Inch - 150 Lb. Steel Flange — 6 Steel Sheath Elements — 23 W/In²																
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
6 Inch - 150 Lb. Steel Flange — 12 Steel Sheath Elements — 23 W/In²																
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
8 Inch - 150 Lb. Steel Flange — 18 Steel Sheath Elements — 23 W/In²																
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 ⁵	NS	291354	1-1/4	TMO-1870R1E3 ⁵	NS	291362	1-1/4	TMO-1870R1E4 ⁵	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 ⁵	AS	291418	1-1/4	TMO-1880R1E3 ⁵	AS	291426	1-1/4	TMO-1880R1E4 ⁵	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
10 Inch - 150 Lb. Steel Flange — 27 Steel Sheath Elements — 20 W/In²																
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 ⁵	NS	197384	1-1/4	TMO-2760E3 ⁵	NS	291514	1-1/4	TMO-2760E4 ⁵	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 ⁵	NS	197405	1-1/4	TMO-2775E3 ⁵	NS	291557	1-1/4	TMO-2775E4 ⁵	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
12 Inch - 150 Lb. Steel Flange — 36 Steel Sheath Elements — 20 W/In²																
60	240	3-3	32-3/4	175	TMO-3660 ⁵	NS	197421	1-1/2	TMO-3660E3 ⁵	NS	291590	1-1/4	TMO-3660E4 ⁵	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 ⁵	NS	197448	1-1/2	TMO-3680E3 ⁵	NS	291637	1-1/4	TMO-3680E4 ⁵	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 ⁵	NS	197464	1-1/2	TMO-36100E3 ⁵	NS	291670	1-1/4	TMO-36100E4 ⁵	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
14 Inch - 150 Lb. Steel Flange — 45 Steel Sheath Elements — 20 W/In²																
75	240	3-3	32-5/8	195	TMO-4575 ⁵	NS	197480	2	TMO-4575E3 ⁵	NS	093930	1-1/4	TMO-4575E4 ⁵	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 ⁵	NS	197501	2	TMO-45100E3 ⁵	NS	093956	1-1/4	TMO-45100E4 ⁵	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 ⁵	NS	197528	2	TMO-45125E3 ⁵	NS	093972	1-1/4	TMO-45125E4 ⁵	NS	096145	1-1/2
125	480	3-3	51-5/8	270	TMO-45125 ⁵	NS	197536	2	TMO-45125E3 ⁵	NS	093980	1-1/4	TMO-45125E4 ⁵	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.

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