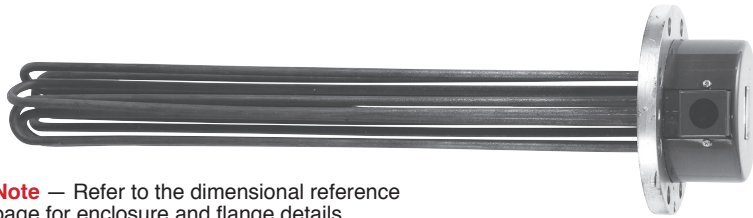


Immersion

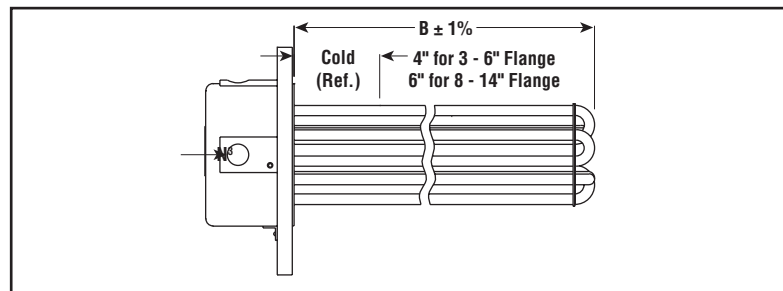
TMO Light Weight Oil Applications



- 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)



FLANGED

Specifications and Ordering Information

					E1 General Purpose				E2 Moisture Resistant/Explosion Resistant							
kW	Volts	CKT & Phase	DIM B (In.)	Wt* (lbs)	Model	Stock	PCN	DIM. N (In.)	Model	Stock	PCN	DIM. N (In.)				
3 Inch - 150 Lb. Steel Flange — 3 Steel Sheath Elements — 23 W/in²																
3	240	1-1	18-1/16	16	TMO-03-003P-E1	NS	196269	1	TMO-03-003P-E2	NS	180291	3/4				
3	240	1-3	18-1/16	16	TMO-03-003P-E1	NS	196277	1	TMO-03-003P-E2	NS	180304	3/4				
3	480	1-1	18-1/16	16	TMO-03-003P-E1	NS	196285	1	TMO-03-003P-E2	NS	180312	3/4				
3	480	1-3	18-1/16	16	TMO-03-003P-E1	NS	196293	1	TMO-03-003P-E2	NS	180320	3/4				
4.5	240	1-1	25-3/16	17	TMO-03-004P5-E1	NS	196306	1	TMO-03-004P5-E2	NS	180339	3/4				
4.5	240	1-3	25-3/16	17	TMO-03-004P5-E1	NS	196314	1	TMO-03-004P5-E2	NS	180347	3/4				
4.5	480	1-1	25-3/16	17	TMO-03-004P5-E1	NS	196322	1	TMO-03-004P5-E2	NS	180355	3/4				
4.5	480	1-3	25-3/16	17	TMO-03-004P5-E1	S	196330	1	TMO-03-004P5-E2	NS	180363	3/4				
6	240	1-1	33-1/16	18	TMO-03-006P-E1	NS	196349	1	TMO-03-006P-E2	NS	180371	3/4				
6	240	1-3	33-1/16	18	TMO-03-006P-E1	S	196357	1	TMO-03-006P-E2	NS	180380	3/4				
6	480	1-1	33-1/16	18	TMO-03-006P-E1	NS	196365	1	TMO-03-006P-E2	NS	180398	3/4				
6	480	1-3	33-1/16	18	TMO-03-006P-E1	S	196373	1	TMO-03-006P-E2	NS	180400	3/4				
7.5	480	1-1	40-9/16	20	TMO-03-007P5-E1	NS	196402	1	TMO-03-007P5-E2	NS	180435	3/4				
7.5	480	1-3	40-9/16	20	TMO-03-007P5-E1	NS	196410	1	TMO-03-007P5-E2	NS	180443	3/4				
9	240	1-1	48-1/16	21	TMO-03-009P-E1	NS	196429	1	TMO-03-009P-E2	NS	180451	3/4				
9	240	1-3	48-1/16	21	TMO-03-009P-E1	NS	196437	1	TMO-03-009P-E2	NS	180460	3/4				
9	480	1-1	48-1/16	21	TMO-03-009P-E1	NS	196445	1	TMO-03-009P-E2	NS	180478	3/4				
9	480	1-3	48-1/16	21	TMO-03-009P-E1	S	196453	1	TMO-03-009P-E2	S	180486	3/4				
					E1 General Purpose				E2 Moisture Resistant/Explosion Resistant				E4 Moisture Resistant			
kW	Volts	CKT & Phase	DIM B (In.)	Wt* (lbs)	Model	Stock	PCN	DIM. N (In.)	Model	Stock	PCN	DIM. N (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-06-006P-E1	NS	196710	1	TMO-06-006P-E2	NS	177607	1-1/2	TMO-06-006P-E4	NS	177631	1
6	480	1-3	18-1/16	27	TMO-06-006P-E1	NS	196736	1	TMO-06-006P-E2	NS	177623	1-1/2	TMO-06-006P-E4	NS	177615	1
7.5	240	1-3	19-3/16	30	TMO-06-007P5-E1	NS	196752	1	TMO-06-007P5-E2	NS	177640	1-1/2	TMO-06-007P5-E4	NS	177658	1
7.5	480	1-3	19-3/16	30	TMO-06-007P5-E1	NS	196779	1	TMO-06-007P5-E2	NS	177666	1-1/2	TMO-06-007P5-E4	NS	177674	1
9	240	1-3	25-3/16	32	TMO-06-009P-E1	NS	196795	1	TMO-06-009P-E2	NS	181614	1-1/2	TMO-06-009P-E4	NS	181622	1
9	480	1-3	25-3/16	32	TMO-06-009P-E1	NS	196816	1	TMO-06-009P-E2	NS	181630	1-1/2	TMO-06-009P-E4	NS	181649	1
12	240	1-3	33-1/16	33	TMO-06-012P-E1	S	196832	1	TMO-06-012P-E2	NS	181657	1-1/2	TMO-06-012P-E4	NS	181665	1
12	480	1-3	33-1/16	33	TMO-06-012P-E1	S	196859	1	TMO-06-012P-E2	NS	181673	1-1/2	TMO-06-012P-E4	NS	181681	1
15	240	1-3	40-9/16	35	TMO-06-015P-E1	S	196875	1	TMO-06-015P-E2	NS	181690	1-1/2	TMO-06-015P-E4	NS	181702	1
15	480	1-3	40-9/16	35	TMO-06-015P-E1	S	196891	1	TMO-06-015P-E2	NS	181710	1-1/2	TMO-06-015P-E4	NS	181729	1
20	240	2-3	52-1/16	38	TMO-06-020P-E1	S	196912	1	TMO-06-020P-E2	NS	181737	1-1/2	TMO-06-020P-E4	NS	181745	1
20	480	1-3	52-1/16	38	TMO-06-020P-E1	S	196939	1	TMO-06-020P-E2	NS	181753	1-1/2	TMO-06-020P-E4	NS	181761	1

TMO

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

Specifications and Ordering Information

					E1 General Purpose				E2 Moisture Resistant/Explosion Resistant				E4 Moisture Resistant			
kW	Volts	CKT & Phase	DIM B (In.)	Wt.* (Lbs.)	Model	Stock	PCN	DIM N (In.)	Model	Stock	PCN	DIM N (In.)	Model	Stock	PCN	DIM N (In.)
5 Inch - 150 Lb. Steel Flange — 6 Steel Sheath Elements — 23 W/in²																
25	240	2-3	65-1/16	42	TMO-06-025P-E1	NS	181770	1	TMO-06-025P-E2	NS	181788	1-1/2	TMO-06-025P-E4	NS	181796	1
25	480	1-3	65-1/16	42	TMO-06-025P-E1	NS	181809	1	TMO-06-025P-E2	NS	181817	1-1/2	TMO-06-025P-E4	NS	181825	1
30	240	2-3	78-1/16	46	TMO-06-030P-E1	NS	181833	1	TMO-06-030P-E2	NS	181841	1-1/2	TMO-06-030P-E4	NS	181850	1
30	480	1-3	78-1/16	46	TMO-06-030P-E1	NS	181868	1	TMO-06-030P-E2	NS	181876	1-1/2	TMO-06-030P-E4	NS	181884	1
6 Inch - 150 Lb. Steel Flange — 12 Steel Sheath Elements — 23 W/in²																
18	240	1-3	25-1/8	67	TMO-12-018P-E1	NS	196947	1	TMO-12-018P-E2	NS	290650	1-1/2	TMO-12-018P-E4	NS	290669	1-1/2
18	480	1-3	25-1/8	67	TMO-12-018P-E1	NS	196963	1	TMO-12-018P-E2	NS	290677	1-1/2	TMO-12-018P-E4	NS	290685	1-1/2
24	240	2-3	33	76	TMO-12-024P-E1	NS	196998	2	TMO-12-024P-E2	NS	290693	1-1/2	TMO-12-024P-E4	NS	290706	1-1/2
24	480	1-3	33	76	TMO-12-024P-E1	NS	196971	1	TMO-12-024P-E2	NS	290714	1-1/2	TMO-12-024P-E4	NS	290722	1-1/2
30	240	2-3	40-1/2	84	TMO-12-030P-E1	NS	197000	2	TMO-12-030P-E2	NS	290730	1-1/2	TMO-12-030P-E4	NS	290749	1-1/2
30	480	1-3	40-1/2	84	TMO-12-030P-E1	NS	197018	1	TMO-12-030P-E2	NS	290757	1-1/2	TMO-12-030P-E4	NS	290765	1-1/2
36	240	2-3	48	111	TMO-12-036P-E1	NS	197034	2	TMO-12-036P-E2	NS	290773	1-1/2	TMO-12-036P-E4	NS	290781	1-1/2
36	480	1-3	48	111	TMO-12-036P-E1	NS	197050	1	TMO-12-036P-E2	NS	290790	1-1/2	TMO-12-036P-E4	NS	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-18-030P-E1	NS	197181	1	TMO-18-030P-E2	NS	291178	3/4	TMO-18-030P-E4	NS	291186	1-1/2
30	480	3-3	32-7/8	112	TMO-18-030P-E1	NS	197202	1	TMO-18-030P-E2	NS	291194	3/4	TMO-18-030P-E4	NS	291207	1-1/2
40	240	3-3	43-11/16	125	TMO-18-040P-E1	NS	197210	1	TMO-18-040P-E2	NS	291215	3/4	TMO-18-040P-E4	NS	291223	1-1/2
40	480	3-3	43-11/16	125	TMO-18-040P-E1	NS	197237	1	TMO-18-040P-E2	NS	291231	3/4	TMO-18-040P-E4	NS	291240	1-1/2
50	240	3-3	51-7/8	130	TMO-18-050P-E1	NS	197245	1	TMO-18-050P-E2	NS	291258	1	TMO-18-050P-E4	NS	291266	1-1/2
50	480	3-3	51-7/8	130	TMO-18-050P-E1	NS	197261	1	TMO-18-050P-E2	NS	291274	3/4	TMO-18-050P-E4	NS	291282	1-1/2
60	240	3-3	61-3/8	136	TMO-18-060P-E1	NS	291290	1	TMO-18-060P-E2	NS	291303	1	TMO-18-060P-E4	NS	291311	1-1/2
60	480	3-3	61-3/8	136	TMO-18-060P-E1	NS	291320	1	TMO-18-060P-E2	NS	291338	3/4	TMO-18-060P-E4	NS	291346	1-1/2
70	240	3-3	69-7/8	142	TMO-18-070P-E1	NS	291354	1-1/4	TMO-18-070P-E2	NS	291362	1-1/4	TMO-18-070P-E4	NS	291370	1-1/2
70	480	3-3	69-7/8	142	TMO-18-070P-E1	NS	291389	1	TMO-18-070P-E2	NS	291397	3/4	TMO-18-070P-E4	NS	291400	1-1/2
80	240	3-3	78-7/8	147	TMO-18-080P-E1	NS	291418	1-1/4	TMO-18-080P-E2	NS	291426	1-1/4	TMO-18-080P-E4	NS	291434	1-1/2
80	480	3-3	78-7/8	147	TMO-18-080P-E1	NS	291442	1	TMO-18-080P-E2	NS	291450	3/4	TMO-18-080P-E4	NS	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-27-045P-E1	NS	197368	1-1/4	TMO-27-045P-E2	NS	291477	1-1/4	TMO-27-045P-E4	NS	291485	1-1/4
45	480	3-3	32-13/16	135	TMO-27-045P-E1	NS	197376	1-1/4	TMO-27-045P-E2	NS	291493	1-1/4	TMO-27-045P-E4	NS	291506	1-1/4
60	240	3-3	43-5/8	165	TMO-27-060P-E1	NS	197384	1-1/4	TMO-27-060P-E2	NS	291514	1-1/4	TMO-27-060P-E4	NS	291522	1-1/4
60	480	3-3	43-5/8	165	TMO-27-060P-E1	NS	197392	1-1/4	TMO-27-060P-E2	NS	291530	1-1/4	TMO-27-060P-E4	NS	291549	1-1/4
75	240	3-3	51-13/16	200	TMO-27-075P-E1	NS	197405	1-1/4	TMO-27-075P-E2	NS	291557	1-1/4	TMO-27-075P-E4	NS	291565	1-1/4
75	480	3-3	51-13/16	200	TMO-27-075P-E1	NS	197413	1-1/4	TMO-27-075P-E2	NS	291573	1-1/4	TMO-27-075P-E4	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-36-060P-E1	NS	197421	1-1/2	TMO-36-060P-E2	NS	291590	1-1/4	TMO-36-060P-E4	NS	291602	1-1/2
60	480	3-3	32-3/4	175	TMO-36-060P-E1	NS	197430	1-1/2	TMO-36-060P-E2	NS	291610	1-1/4	TMO-36-060P-E4	NS	291629	1-1/2
80	240	3-3	43-9/16	210	TMO-36-080P-E1	NS	197448	1-1/2	TMO-36-080P-E2	NS	291637	1-1/4	TMO-36-080P-E4	NS	291645	1-1/2
80	480	3-3	43-9/16	210	TMO-36-080P-E1	NS	197456	1-1/2	TMO-36-080P-E2	NS	291653	1-1/4	TMO-36-080P-E4	NS	291661	1-1/2
100	240	3-3	51-3/4	250	TMO-36-100P-E1	NS	197464	1-1/2	TMO-36-100P-E2	NS	291670	1-1/4	TMO-36-100P-E4	NS	291688	1-1/2
100	480	3-3	51-3/4	250	TMO-36-100P-E1	NS	197472	1-1/2	TMO-36-100P-E2	NS	291696	1-1/4	TMO-36-100P-E4	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-45-075P-E1	NS	197480	2	TMO-45-075P-E2	NS	093930	1-1/4	TMO-45-075P-E4	NS	093999	1-1/2
75	480	3-3	32-5/8	195	TMO-45-075P-E1	NS	197499	2	TMO-45-075P-E2	NS	093948	1-1/4	TMO-45-075P-E4	NS	094000	1-1/2
100	240	3-3	43-7/16	225	TMO-45-100P-E1	NS	197501	2	TMO-45-100P-E2	NS	093956	1-1/4	TMO-45-100P-E4	NS	096129	1-1/2
100	480	3-3	43-7/16	225	TMO-45-100P-E1	NS	197510	2	TMO-45-100P-E2	NS	093964	1-1/4	TMO-45-100P-E4	NS	096137	1-1/2
125	240	3-3	51-5/8	270	TMO-45-125P-E1	NS	197528	2	TMO-45-125P-E2	NS	093972	1-1/4	TMO-45-125P-E4	NS	096145	1-1/2
125	480	3-3	51-5/8	270	TMO-45-125P-E1	NS	197536	2	TMO-45-125P-E2	NS	093980	1-1/4	TMO-45-125P-E4	NS	096153	1-1/2

Stock Status: S = stock NS = non-stock
To Order—Specify model, PCN, kW, volts, phase and quantity.
 *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 E4 enclosure add 7 lbs. to Wt. of E1 enclosure heater.
- C. For Wt. of 8, 10, 12 and 14" flange with E4 enclosure add 10 lbs. to Wt. of E1 enclosure heater.