

PERFORMANCE DATA
VERTICAL PUMP MOTORS



NEMA Premium Efficiency Motors

HP	RPM	Frame	Connection	Code	Current at 460V		Torque			Efficiency			Power Factor			Thrust Std. High (lb)
					Full Load (A)	Locked Rotor (A)	Full Load (LB-FT)	Locked Rotor (%)	Break Down (%)	Full Load (%)	3/4 Load (%)	1/2 Load (%)	Full Load (%)	3/4 Load (%)	1/2 Load (%)	
7.5	1800	213TP	4△/2△	G	9.60	51.6	22.1	163	270	91.17	92.20	92.00	0.800	0.720	0.590	3300
10	1800	215TP	4△/2△	G	12.70	71.3	30.0	182	287	91.80	93.10	93.00	0.720	0.720	0.590	3300
15	1800	254TP	4△/2△	G	18.60	126.0	43.6	126	336	93.20	93.50	93.40	0.800	0.720	0.600	3200
20	1800	256TP	4△/2△	G	24.50	139.6	59.6	168	264	93.17	93.80	93.90	0.820	0.760	0.640	3200
25	1800	284TP	4△/2△	G	30.40	169.0	73.6	170	255	93.60	94.20	94.20	0.810	0.750	0.620	3200
30	1800	286TP	4△/2△	G	36.30	189.9	89.6	165	238	94.20	94.40	94.50	0.820	0.770	0.650	5700
40	1800	324TP	4△/2△	G	49.70	351.0	60.0	208	339	94.70	94.70	94.20	0.800	0.730	0.600	5700
50	1800	326TP	4△/2△	G	56.60	318.0	74.0	149	250	94.80	95.20	95.00	0.860	0.830	0.750	5700
60	1800	364TP	4△/2△	G	69.00	549.0	90.0	218	343	95.43	95.48	95.17	0.858	0.812	0.708	5600
75	1800	365TP	4△/2△	G	81.00	611.0	109.8	206	302	95.60	95.80	95.60	0.890	0.860	0.785	5600
100	1800	404TP	4△/2△	G	111.30	696.0	150.0	176	254	95.94	96.10	95.90	0.880	0.849	0.767	6700
125	1800	405TP	4△/2△	G	130.90	898.0	179.9	201	260	95.94	96.15	95.90	0.898	0.875	0.810	9600
150	1800	444TP	4△/2△	G	159.20	1044.0	219.5	194	260	96.19	96.19	96.00	0.999	0.882	0.820	9800
200	1800	445TP	4△/2△	G	242.30	1230.0	300.0	173	227	96.05	95.93	95.36	0.809	0.748	0.626	9800
250	1800	445TP	4△/2△	G	296.00	1375.0	370.0	160	204	96.38	96.29	95.79	0.813	0.755	0.635	9800
300	1800	5804L	4△/2△	G	335.00	2647.0	445.0	247	283	96.13	96.60	96.50	0.870	0.830	0.745	10000
350	1800	5804L	4△/2△	G	381.60	3110.0	519.0	264	278	96.30	96.40	96.10	0.889	0.864	0.794	10000
400	1800	5806L	4△/2△	G	425.90	3434.0	593.0	260	265	96.44	96.60	96.50	0.910	0.908	0.878	10000
450	1800	5808L	4△/2△	G	484.80	3840.0	668.0	266	259	96.48	96.50	96.30	0.900	0.833	0.830	10000
500	1800	5808L	4△/2△	G	531.00	4164.0	742.0	263	251	96.43	96.70	96.70	0.914	0.918	0.900	10000

NOTE: Data does not reflect electrical and mechanical losses. Data is typical sine wave power unless noted otherwise. NEMA nominal and minimum efficiencies are up to 3300 feet above sea level and 25° C ambient.



PERFORMANCE DATA VERTICAL PUMP MOTORS



Premium Efficiency Motors

HP	RPM	Frame	Connection	Code	Current at 460V		Torque			Efficiency			Power Factor			Thrust Std. High (lb)
					Full Load (A)	Locked Rotor (A)	Full Load (LB-FT)	Locked Rotor (%)	Break Down (%)	Full Load (%)	3/4 Load (%)	1/2 Load (%)	Full Load (%)	3/4 Load (%)	1/2 Load (%)	
7.5	1800	213TP	4△/2△	G	10.00	56.80	22.4	219	322	89.90	90.10	89.00	0.770	0.690	0.550	3300
10	1800	215TP	4△/2△	G	12.30	71.30	30.3	182	287	90.80	91.50	91.20	0.830	0.780	0.660	3300
15	1800	254TP	4△/2△	G	17.80	123.60	43.7	230	349	91.60	91.40	90.30	0.850	0.790	0.680	3200
20	1800	256TP	4△/2△	G	23.80	155.80	59.6	220	320	91.90	92.30	91.80	0.859	0.810	0.700	3200
25	1800	284TP	4△/2△	G	28.70	187.50	73.6	222	312	92.30	92.80	92.30	0.870	0.830	0.740	3200
30	1800	286TP	4△/2△	G	33.80	221.50	87.5	226	309	92.70	93.10	92.70	0.880	0.840	0.760	5700
40	1800	324TP	4△/2△	G	47.30	271.00	118.8	187	252	94.00	94.30	94.00	0.840	0.800	0.690	5700
50	1800	326TP	4△/2△	G	56.00	330.0	147.0	193	245	93.20	93.50	93.30	0.889	0.859	0.780	5700
60	1800	364TP	4△/2△	G	68.20	438.0	177.9	186	252	95.80	93.98	93.50	0.880	0.850	0.770	5600
75	1800	365TP	4△/2△	G	82.80	540.0	217.0	195	253	94.20	94.80	94.60	0.880	0.860	0.800	5600
100	1800	404TP	4△/2△	G	109.40	670.0	296.0	168	239	94.20	95.10	95.00	0.900	0.890	0.840	6700
125	1800	405TP	4△/2△	G	132.90	813.0	356.0	175	242	94.30	94.90	94.70	0.890	0.880	0.820	9600
150	1800	444TP	4△/2△	G	161.80	1044.0	433.7	194	260	95.00	95.10	94.70	0.897	0.878	0.818	9800
200	1800	445TP	4△/2△	G	216.60	1230.0	592.0	173	227	95.07	95.20	95.10	0.914	0.909	0.877	9800
250	1800	445TP	4△/2△	G	266.00	1375.0	731.0	160	204	95.40	95.70	95.60	0.914	0.916	0.893	9800
300	1800	5804L	4△/2△	G	332.50	1671.0	882.0	138	186	95.40	95.80	95.60	0.883	0.874	0.827	10000
350	1800	5804L	4△/2△	G	448.00	2733.0	1023.0	219	250	95.40	95.70	95.48	0.870	0.800	0.710	10000
400	1800	5806L	4△/2△	G	447.80	2626.0	1177.0	182	208	95.40	95.80	95.74	0.875	0.857	0.796	10000
450	1800	5808L	4△/2△	G	502.50	2736.0	1319.0	209	224	95.60	95.90	95.79	0.875	0.850	0.787	10000
500	1800	5808L	4△/2△	G	557.40	2974.0	1470.0	188	201	95.60	95.97	95.90	0.877	0.864	0.809	10000

NOTE: Data does not reflect electrical and mechanical losses. Data is typical sine wave power unless noted otherwise. NEMA nominal and minimum efficiencies are up to 3300 feet above sea level and 25° C ambient.



PERFORMANCE DATA VERTICAL PUMP MOTORS



High Efficiency Motors

HP	RPM	Frame	Connection	Code	Current at 460V		Torque			Efficiency			Power Factor			Thrust Std. High (lb)
					Full Load (A)	Locked Rotor (A)	Full Load (LB-FT)	Locked Rotor (%)	Break Down (%)	Full Load (%)	3/4 Load (%)	1/2 Load (%)	Full Load (%)	3/4 Load (%)	1/2 Load (%)	
7.5	1800	213TP	4△/2△	G	9.90	48.4	22.5	176	268	87.60	87.90	86.80	0.840	0.790	0.604	3300
10	1800	215TP	4△/2△	G	12.40	74.0	30.0	221	311	89.60	90.40	89.90	0.840	0.780	0.670	3300
15	1800	254TP	4△/2△	G	18.00	103.2	43.8	184	290	90.60	90.60	89.80	0.846	0.794	0.684	3200
20	1800	256TP	4△/2△	G	25.70	128.0	59.9	174	263	91.30	91.58	90.90	0.861	0.729	0.595	3200
25	1800	284TP	4△/2△	G	29.00	146.0	74.0	164	242	91.40	92.50	93.00	0.894	0.880	0.825	3200
30	1800	286TP	4△/2△	G	34.90	171.8	90.0	163	233	92.00	91.39	90.60	0.770	0.690	0.550	5700
40	1800	324TP	4△/2△	G	48.60	334.0	119.0	257	338	93.20	93.50	93.20	0.830	0.770	0.647	5700
50	1800	326TP	4△/2△	G	56.00	347.0	147.3	221	285	93.00	93.50	93.30	0.889	0.859	0.780	5700
60	1800	364TP	4△/2△	G	68.60	431.5	178.5	207	288	93.70	93.80	93.50	0.880	0.840	0.760	5600
75	1800	365TP	4△/2△	G	83.50	534.0	218.0	218	290	93.70	94.00	93.70	0.880	0.847	0.765	5600
100	1800	404TP	4△/2△	G	112.40	818.3	296.4	247	326	94.00	94.20	93.80	0.889	0.850	0.770	6700
125	1800	405TP	4△/2△	G	133.40	963.0	355.9	249	319	94.00	94.50	94.10	0.897	0.868	0.790	9600
150	1800	444TP	4△/2△	G	157.50	1049.0	435.6	165	296	95.00	95.10	95.10	0.928	0.915	0.870	9800
200	1800	445TP	4△/2△	G	224.40	1384.0	595.0	160	269	95.00	95.00	94.60	0.883	0.850	0.760	9800
250	1800	445TP	4△/2△	G	276.20	1565.0	731.5	192	242	94.90	95.10	95.10	0.886	0.862	0.792	9800
300	1800	5804L	4△/2△	G	344.00	1700.0	895.0	137	185	95.00	95.30	95.20	0.863	0.850	0.790	10000
350	1800	5804L	4△/2△	G	390.00	2740.0	1025.0	220	252	95.00	95.30	95.30	0.881	0.882	0.849	10000
400	1800	5806L	4△/2△	G	444.00	2315.0	1177.0	157	186	95.20	95.60	95.60	0.884	0.890	0.866	10000
450	1800	5808L	4△/2△	G	497.00	3080.0	1322.0	195	214	95.60	95.80	95.70	0.887	0.894	0.870	10000
500	1800	5808L	4△/2△	G	551.60	3109.0	1470.0	178	193	95.60	95.90	95.70	0.885	0.877	0.831	10000

NOTE: Data does not reflect electrical and mechanical losses. Data is typical sine wave power unless noted otherwise. NEMA nominal and minimum efficiencies are up to 3300 feet above sea level and 25° C ambient.



PERFORMANCE DATA VERTICAL PUMP MOTORS



Standard Efficiency Motors

HP	RPM	Frame	Connection	Code	Current at 460V		Torque			Efficiency			Power Factor			Thrust Std. High (lb)
					Full Load (A)	Locked Rotor (A)	Full Load (LB-FT)	Locked Rotor (%)	Break Down (%)	Full Load (%)	3/4 Load (%)	1/2 Load (%)	Full Load (%)	3/4 Load (%)	1/2 Load (%)	
7.5	1800	213TP	4△/2△	G	9.90	48.4	22.5	176	268	87.60	87.90	86.80	0.840	0.790	0.604	3300
10	1800	215TP	4△/2△	G	12.40	74.0	30.0	221	311	89.60	90.40	89.90	0.840	0.780	0.670	3300
15	1800	254TP	4△/2△	G	18.00	103.2	43.8	184	290	90.60	90.60	89.80	0.846	0.794	0.684	3200
20	1800	256TP	4△/2△	G	25.70	128.0	59.9	174	263	91.30	91.58	90.90	0.861	0.729	0.595	3200
25	1800	284TP	4△/2△	G	29.00	146.0	74.0	164	242	91.40	92.50	93.00	0.894	0.880	0.825	3200
30	1800	286TP	4△/2△	G	34.90	171.8	90.0	163	233	92.00	91.39	90.60	0.770	0.690	0.550	5700
40	1800	324TP	4△/2△	G	46.00	225.3	120.0	160	230	91.50	92.70	93.30	0.893	0.876	0.817	5700
50	1800	326TP	4△/2△	G	56.50	274.0	148.0	163	223	91.50	92.40	92.70	0.900	0.887	0.839	5700
60	1800	364TP	4△/2△	G	69.20	364.0	179.0	169	245	92.70	93.40	93.40	0.878	0.850	0.770	5600
75	1800	365TP	4△/2△	G	84.20	356.0	220.0	134	195	92.50	93.50	93.60	0.880	0.860	0.790	5600
100	1800	404TP	4△/2△	G	113.40	662.0	297.0	191	267	93.60	93.70	93.20	0.886	0.850	0.760	6700
125	1800	405TP	4△/2△	G	133.70	695.0	357.0	170	234	94.00	93.90	93.60	0.902	0.879	0.815	9600
150	1800	444TP	4△/2△	G	176.90	1020.0	434.0	195	273	94.20	94.10	93.30	0.827	0.769	0.650	9800
200	1800	445TP	4△/2△	G	224.20	1260.0	593.0	183	244	94.50	94.80	94.70	0.887	0.864	0.795	9800
250	1800	445TP	4△/2△	G	276.20	1565.0	731.5	192	242	94.90	95.10	95.10	0.886	0.862	0.792	9800
300	1800	5804L	4△/2△	G	344.00	1700.0	895.0	137	185	95.00	95.30	95.20	0.863	0.850	0.790	10000
350	1800	5804L	4△/2△	G	390.00	2740.0	1025.0	220	252	95.00	95.30	95.30	0.881	0.882	0.849	10000
400	1800	5806L	4△/2△	G	444.00	2315.0	1177.0	157	186	95.20	95.60	95.60	0.884	0.890	0.866	10000
450	1800	5808L	4△/2△	G	497.00	3080.0	1322.0	195	214	95.60	95.80	95.70	0.887	0.894	0.870	10000
500	1800	5808L	4△/2△	G	551.60	3109.0	1470.0	178	193	95.60	95.90	95.70	0.885	0.877	0.831	10000

NOTE: Data does not reflect electrical and mechanical losses. Data is typical sine wave power unless noted otherwise. NEMA nominal and minimum efficiencies are up to 3300 feet above sea level and 25° C ambient.

