

### Three Phase - Typical Performance Data

Totally enclosed, non-ventilated, hermetically sealed submersible type. Features include 416 stainless steel shaft, tandem mechanical seals (one inside an oil chamber and one outside); automatic reset N.C. series connected thermal overload protection, two moisture sensing probes, prelubricated shaft bearings and class F insulation. \*Efficiencies include all mechanical losses including mechanical seals.

H.P.	Full Load RPM	Frame Size	Nominal Eff % @ *			Nominal Power Factor % @			Amps @ 460V		KVA Code Letter	Full Load Torque (Ft-Lbs)	% Full Load Torque		Power Cable		Control Cable				
			Full Load	3/4 Load	1/2 Load	Full Load	3/4 Load	1/2 Load	Full Load	Locked Rotor			Locked Rotor	Break-down	AWG Size	O.D. ** (in.)	AWG Size	O.D. ** (in.)			
0.5	1732	140	55.7	50.1	41.1	75.6	69.3	61.2	1.1	6.1	L	1.5	313	368	#16	0.57	Not Applicable - Single Cable Used				
	1150	140	61.7	46.7	48.1	65.0	58.0	49.0	1.2	5.2	K	2.3	254	310	#16	0.57					
	864	140	58.7	53.2	44.1	51.0	44.0	36.0	1.6	5.6	K	3.0	265	320	#16	0.57					
0.75	1733	140	63.9	58.9	50.3	76.8	70.4	61.8	1.4	8.5	K	2.3	302	356	#16	0.57					
	1151	140	67.2	62.9	54.9	65.0	58.0	48.0	1.6	7.3	J	3.4	234	295	#16	0.57					
	862	140	64.1	59.3	50.7	52.0	45.0	36.0	2.1	7.6	K	4.5	239	295	#16	0.57					
1	1739	140	68.3	63.7	55.4	75.6	68.8	59.5	1.8	11.5	L	3.0	308	371	#16	0.57					
	1152	140	70.8	67.0	59.5	65.0	57.0	47.0	2.0	9.4	J	4.5	229	293	#16	0.57					
	863	140	68.4	64.2	56.2	53.0	45.0	36.0	2.6	9.7	J	6.0	229	288	#16	0.57					
1.5	1737	140	72.3	68.5	61.1	76.7	69.8	58.9	2.5	15.4	K	4.5	268	332	#16	0.57					
	1154	140	73.9	70.6	63.7	64.0	56.0	45.0	3.0	13.9	J	6.8	220	290	#12	0.65				#18	0.45
	861	140	72.1	68.6	61.3	54.0	45.0	36.0	3.6	13.8	J	9.0	221	278	#12	0.65				#18	0.45
2	1744	140	74.9	72.7	66.6	75.7	67.4	55.2	3.3	19.8	J	6.0	267	319	#12	0.65	#18	0.45			
	1160	140	76.2	72.8	65.9	60.0	52.0	41.0	4.1	20.2	K	9.0	241	323	#12	0.65	#18	0.45			
	862	140	74.8	71.6	64.7	52.0	44.0	34.0	4.8	18.5	J	12.0	226	285	#12	0.65	#18	0.45			
3	1733	140	77.7	76.2	71.0	79.9	73.1	61.6	4.5	26.8	J	9.0	199	288	#12	0.65	#18	0.45			
	1153	140	79.0	76.8	71.2	65.0	56.0	44.0	5.5	25.7	H	13.5	205	277	#12	0.65	#18	0.45			
	874	210	83.9	83.1	79.7	62.2	53.5	41.4	5.4	31.6	K	18.0	203	360	#12	0.65	#18	0.45			
5	1733	140	80.6	79.4	74.6	81.1	74.7	63.6	7.1	45.1	J	15.0	244	301	#12	0.65	#18	0.45			
	1147	180	79.5	81.2	80.0	67.0	58.0	45.4	8.8	35.2	G	22.9	161	228	#12	0.65	#14	0.59			
	869	210	83.4	83.0	79.9	59.3	50.6	38.7	9.5	46.3	J	30.2	193	318	#12	0.65	#14	0.59			
7.5	1736	180	85.6	87.2	86.9	84.3	78.8	68.0	9.7	63.3	H	22.7	225	304	#8	0.99	#14	0.59			
	1133	180	79.8	81.9	81.2	73.3	64.6	50.9	12.0	51.1	F	34.8	149	224	#8	0.99	#14	0.59			
	858	210	82.8	83.8	82.2	65.4	56.9	44.6	13.0	57.2	G	45.9	160	260	#12	0.65	#14	0.59			
10	1735	180	85.3	86.8	86.1	80.6	73.3	60.4	13.6	83.7	H	30.3	229	302	#8	0.99	#14	0.59			
	1156	210	84.0	85.8	85.4	70.7	63.3	51.0	15.8	75.3	G	45.4	212	237	#8	0.99	#14	0.59			
	878	250	86.2	86.6	85.0	68.1	60.0	47.9	15.9	72.5	G	59.8	177	244	#4	1.27	#14	0.59			
15	1747	210	86.7	88.6	88.6	81.4	76.4	66.1	19.9	104.8	F	45.1	192	239	#8	0.99	#14	0.59			
	1158	250	85.8	87.5	87.2	77.6	71.1	58.9	21.1	89.1	E	68.0	150	210	#4	1.27	#14	0.59			
	870	250	85.6	87.4	87.0	72.3	66.3	54.6	22.7	85.2	E	90.5	137	191	#4	1.27	#14	0.59			
20	1741	210	86.4	88.9	89.6	82.4	78.6	69.6	26.3	131.1	F	60.3	183	223	#4	1.27	#14	0.59			
	1164	250	87.2	89.0	89.0	80.8	75.8	65.0	26.6	124.6	E	90.3	160	220	#4	1.27	#14	0.59			
	863	250	85.1	87.0	86.8	73.9	67.0	54.9	29.8	145.5	G	121.7	137	248	#4	1.27	#14	0.59			
25	1761	250	88.8	90.3	90.2	83.8	80.6	72.2	31.4	172.1	F	74.6	192	236	#4	1.27	#14	0.59			
	1162	250	87.7	89.6	89.8	80.8	76.1	65.8	33.0	152.8	E	113.0	162	217	#4	1.27	#14	0.59			
30	1763	250	89.5	90.8	90.8	84.1	80.9	72.7	37.3	217.2	G	89.4	206	248	#4	1.27	#14	0.59			
40	1757	250	89.2	91.1	91.5	84.7	82.2	75.0	49.6	273.0	F	119.6	197	234	#2	1.48	#14	0.59			

Typical motor data for Submersible 3 phase, 60 hertz, Nema design B, 40 °C ambient, normal torque motors. Amperes shown for 460 volt connection. If other connections are available, the amperes will vary inversely with rated voltage. All values nominal. All motors have 1.15 S.F. at 40 °C ambient temperature.

\*\* Above cable data for standard motors only, with cable length of 25'. Data applicable through lengths of 100'. 140 frame motors with #16 AWG cord utilize single cable, (8) conductor, with power and control leads.

### Single Phase - Typical Performance Data

Totally enclosed, non-ventilated, hermetically sealed submersible type. Features include 416 stainless steel shaft, tandem mechanical seals (one inside an oil chamber and one outside); automatic reset N.C. series connected thermal overload protection, two moisture sensing probes, prelubricated shaft bearings class F insulation. \*Efficiencies include all mechanical losses including mechanical seals.

H.P.	Full Load RPM	Frame Size	Nominal Eff % @ *			Nominal Power Factor % @			Amps @ 230V/1/60		KVA Code Letter	Full Load Torque (Ft-Lbs)	% Full Load Torque		Power Cable		Control Cable	
			Full Load	3/4 Load	1/2 Load	Full Load	3/4 Load	1/2 Load	Full Load	Locked Rotor			Locked Rotor	Break-down	AWG Size	O.D. ** (in.)	AWG Size	O.D. ** (in.)
0.5	1735		REFER TO FACTORY															
0.75	1735		REFER TO FACTORY															
	1146	140	55.1	50.1	41.5	59.0	52.0	44.0	7.4	27.1	K	3.4	353	239	#10	0.8	#18	0.45
1	1735	140	62.1	57.8	49.7	76.0	70.0	61.0	6.9	31.3	J	3.0	289	251	#10	0.8	#18	0.45
	1149	140	58.5	53.7	45.3	59.0	52.0	43.0	9.4	35.4	K	4.5	335	242	#10	0.8	#18	0.45
1.5	1729	140	66.8	63.7	56.7	79.0	73.0	63.0	9.2	38.6	G	4.5	235	223	#10	0.8	#18	0.45
	1149	140	61.0	56.6	48.3	59.0	51.0	42.0	13.6	43.8	H	6.8	254	233	#10	0.8	#18	0.45
2	1730	140	69.8	67.2	60.7	79.0	73.0	63.0	11.7	48.4	F	6.0	217	220	#10	0.8	#18	0.45
	1152	140	73.5	68.8	59.8	95.0	94.0	91.0	9.3	43.1	E	9.0	270	230	#10	0.8	#18	0.45
3	1734	140	76.7	72.7	64.4	100.0	100.0	100.0	12.7	58.8	E	9.0	227	229	#10	0.8	#18	0.45
	1146	140	75.0	71.7	64.0	88.0	85.0	78.0	14.7	53.5	D	13.5	197	205	#10	0.8	#18	0.45
5	1725	140	79.0	77.0	70.8	97.0	97.0	96.0	21.1	83.7	C	15.0	147	201	#10	0.8	#18	0.45

Typical motor data for Submersible 1 phase, 60 hertz, Nema design B, 40 °C ambient, normal torque motors. Amperes shown for 230 volt connection. If other connections are available, the amperes will vary inversely with rated voltage. All values nominal. All motors have 1.15 S.F. at 40 °C ambient temperature.

\*\* Above cable data for standard motors only, with cable length of 25'. Data applicable through lengths of 100'.