

1 Phase

TWO WIRE, SINGLE PHASE, 60 HZ, 3600 RPM

HP	VOLT	PART #	WEIGHT
1/2	115	PSD-FAR.05436161152W	18
1/2	230	PSD-FAR.05436162302W	18
3/4	230	PSD-FAR.08436162302W	21
1	230	PSD-FAR.10436162302W	24
1-1/2	230	PSD-FAR.15436162302W	31

THREE WIRE, SINGLE PHASE, 60 HZ, 3600 RPM

HP	VOLT	PART #	WEIGHT
1/2	115	PSD-FAR.05436161153W	19
1/2	230	PSD-FAR.05436162303W	19
3/4	230	PSD-FAR.08436162303W	21
1	230	PSD-FAR.10436162303W	24
1-1/2	230	PSD-FAR.15436162303W	28
2	230	PSD-FAR.20436162303W	33
3	230	PSD-FAR.30436162303W	41
5	230	PSD-FAR.50436162303W	41

CONTROLS for THREE WIRE SINGLE PHASE MOTORS

HP	VOLT	PART #	TYPE
1/2	115	PCP-FAR.05161153WIRO	CSIR
1/2	230	PCP-FAR.05162303WIRO	CSIR
1/2	230	PCP-FAR.05162303WCRO	CSCR
3/4	230	PCP-FAR.08162303WIRO	CSIR
		PCP-FAR.08162303WCRO	CSCR
1	230	PCP-FAR.10162303WIRO	CSIR
		PCP-FAR.10162303WCRO	CSCR
1-1/2	230	PCP-FAR.15162303WCRO	CSCR
2	230	PCP-FAR.20162303WCRS	CSCR Std
		PCP-FAR.20162303WCRD	CSCR Dix
3	230	PCP-FAR.30162303WCRS	CSCR Std
		PCP-FAR.30162303WCRD	CSCR Dix
5	230	PCP-FAR.50162303WCRS	CSCR Std
		PCP-FAR.50162303WCRD	CSCR Dix
7-1/2	230	PCP-FAR.75162303WCRS	CSCR Std
		PCP-FAR.75162303WCRD	CSCR Dix

3 Phase

THREE PHASE, 60 HZ, 3600 RPM

HP	VOLT	PART #	WEIGHT
1/2	200	PSD-FAR.054363620000	18
	230	PSD-FAR.054363623000	
	460	PSD-FAR.054363646000	
3/4	200	PSD-FAR.084363620000	21
	230	PSD-FAR.084363623000	
	460	PSD-FAR.084363646000	
1	200	PSD-FAR.104363620000	24
	230	PSD-FAR.104363623000	
	460	PSD-FAR.104363646000	
1-1/2	200	PSD-FAR.154363620000	24
	230	PSD-FAR.154363623000	
	460	PSD-FAR.154363646000	

HP	VOLT	PART #	WEIGHT
2	200	PSD-FAR.204363620000	28
	230	PSD-FAR.204363623000	
	460	PSD-FAR.204363646000	
3	200	PSD-FAR.304363620000	35
	230	PSD-FAR.304363623000	
	460	PSD-FAR.304363646000	
5	200	PSD-FAR.504363620000	55
	230	PSD-FAR.504363623000	
	460	PSD-FAR.504363646000	
7-1/2	200	PSD-FAR.754363620000	70
	230	PSD-FAR.754363623000	
	460	PSD-FAR.754363646000	
10	460	PSD-FAR.104363646000	75

MOTOR PN Nomenclature:

PSD - Submersible Motor

FAR - Motor Manufacturer

.50 - Motor Horsepower (.05 = 1/2 HP, 100 = 100 HP)

4 - Motor Diameter (4 = 4")

36 - SPEED (36 = 3600 rpm, 18 = 1800 rpm, etc.)

1 - Phase

6 - Cycles (6 = 60 cycle)

200 - Volts (200, 230, 460, etc.)

00 - Special Features (2W, 3W, etc.)

F Series 4" SUBMERSIBLE MOTOR DATA

2-Wire	HP	KW	Volts	Phase	Full Load			Service Factor		Locked Rotor Amps	Winding Resistance	Efficiency		Power Factor %		Thrust Rating	KVA Code
					S.F.	Amps	Watts	Amps	Watts			F.L.	S.F.	F.L.	S.F.		
2-Wire	0.5	0.37	115	1	1.6	8.4	902	10.0	1086	25.0	2.1 - 2.5	42.3	55.0	98	99	700#	G
	0.5	0.37	230		1.6	4.2	845	5.1	1054	14.0	7.7 - 8.5	42.9	56.8	92	97		H
	0.75	0.55			1.5	4.6	1056	6.1	1324	17.0	6.4 - 6.8	54.2	63.4	99	99		F
	1.0	0.75			1.4	7.0	1515	8.0	1831	21.5	5.2 - 5.8	47.6	57.6	99	99		E
	1.5	1.1			1.3	9.0	1995	10.6	2355	34.0	3.0 - 3.4	56.2	61.8	99	99		F

3-Wire	HP	Control Box Type	Volts	Phase	Full Load			Service Factor		Locked Rotor Amps	Winding Resistance	Efficiency		Power Factor %		Thrust Rating	KVA Code	
					S.F.	Amps	Watts	Amps	Watts			F.L.	S.F.	F.L.	S.F.			
3-Wire	1/2	CSIR	115	1	1.6	Y - 9.0 B - 9.0 R - 0	690	Y - 11.0 B - 11.0 R - 0	1020	41	Main (B-Y) 1.5 - 1.9 Start (R-Y) 3.2 - 4.0	54	58.5	68	8.2	700#	L	
	1/2	CSIR	230		1.6	Y - 4.9 B - 4.9 R - 0	717	Y - 5.9 B - 5.9 R - 0	1056	18	Main (B-Y) 6.5 - 7.9 Start (R-Y) 13.7 - 15.1	52	56.8	66	71.3		K	
		CSCR			1.5	Y - 3.7 B - 3.6 R - 1.7	685	Y - 4.6 B - 4.4 R - 1.6	947	18	Main (B-Y) 6.5 - 7.9 Start (R-Y) 13.7 - 15.1	52	56.8	66	71.3		K	
	3/4	CSIR	230		1.5	Y - 6.3 B - 6.3 R - 0	968	Y - 7.6 B - 7.6 R - 0	1385	29	Main (B-Y) 4.1 - 5.1 Start (R-Y) 10.3 - 11.3	57	60.5	69	81		K	
		CSCR			1.5	Y - 4.9 B - 4.8 R - 2.8	988	Y - 6.1 B - 5.5 R - 2.6	1301	29	Main (B-Y) 4.1 - 5.1 Start (R-Y) 10.3 - 11.3	57	60.5	69	81		K	
	1	CSIR	230		1.4	Y - 7.4 B - 7.4 R - 0	1225	Y - 9.0 B - 9.0 R - 0	1664	39	Main (B-Y) 3.3 - 4.1 Start (R-Y) 12.5 - 14.5	60.5	62.6	74	82		K	
		CSCR			1.4	Y - 5.7 B - 5.2 R - 3.0	1185	Y - 7.1 B - 5.9 R - 2.9	1505	39	Main (B-Y) 3.3 - 4.1 Start (R-Y) 12.5 - 14.5	60.5	62.6	74	82		K	
	1-1/2	CSCR	230		1.3	Y - 8.9 B - 8.5 R - 1.3	1676	Y - 10.6 B - 10.4 R - 1.23	2157	43	Main (B-Y) 2.9 - 3.3 Start (R-Y) 8.7 - 10.1	66.5	67	84	89		H	
	2	CSCR	230		1.25	Y - 10.4 B - 9.7 R - 2.7	2200	Y - 13.0 B - 12.5 R - 2.7	2700	49	Main (B-Y) 1.6 - 2.2 Start (R-Y) 4.8 - 5.9	70	70	89	91		900#	G
	3	CSCR	230		1.15	Y - 14.3 B - 12.0 R - 5.7	3170	Y - 16.5 B - 13.9 R - 5.6	3620	76	Main (B-Y) 1.0 - 1.4 Start (R-Y) 2.0 - 2.5	66	71	86	91			G
5	CSCR	230	1.15	Y - 24.0 B - 19.1 R - 10.2	5300	Y - 27.0 B - 22.0 R - 10.0	6030	101	Main (B-Y) 0.6 - 0.8 Start (R-Y) 1.3 - 1.7	68	69	81	87	1500#	E			

Three Phase	HP	KW	Volts	Phase	Full Load			Service Factor		Locked Rotor Amps	Line - Line Resistance	Efficiency		Power Factor %		Thrust Rating	KVA Code
					S.F.	Amps	Watts	Amps	Watts			F.L.	S.F.	F.L.	S.F.		
Three Phase	0.5	0.37	200	3	1.6	2.9	600	3.4	870	22	4.1 - 5.2	62	69	60	73	700#	R
			230		1.6	2.4	610	2.9	880	17	5.7 - 7.2	61	68	64	73		R
			460		1.6	1.3	610	1.5	875	9	23.6 - 26.1	61	68	60	73		R
	0.75	0.55	200		1.5	3.8	812	4.5	1140	32	2.6 - 3.0	69	74	64	74		R
			230		1.5	3.3	850	3.9	1185	27	3.3 - 4.3	66	71	65	76		R
			460		1.5	1.7	820	2	1140	14	14.4 - 16.2	69	74	61	73		R
	1	0.75	200		1.4	4.6	1150	5.5	1500	29	3.4 - 3.9	66	70	73	80		M
			230		1.4	4	1090	4.7	1450	26	4.1 - 5.1	69	72	68	77		M
			460		1.4	2.2	1145	2.5	1505	13	17.8 - 18.8	65	69	68	77		M
	1.5	1.1	200		1.3	6.3	1560	7.2	1950	40	1.9 - 2.5	72	74	73	79		L
			230		1.3	5.2	1490	6.1	1930	32	2.8 - 3.4	75	76	72	79		K
			460		1.3	2.8	1560	3.2	1980	16	12.3 - 13.1	72	73	72	79		K
	2	1.5	200		1.25	7.5	2015	8.8	2490	51	1.4 - 2.0	74	75	78	82		K
			230		1.25	6.5	1990	7.6	2450	44	2.2 - 2.8	75	75	77	81		K
			460		1.25	3.3	2018	3.8	2470	23	7.5 - 9.3	74	75	77	82		L
	3	2.2	200		1.15	10.9	2890	12	3290	71	1.2 - 1.5	77	77	77	80		K
			230		1.15	9.2	2880	10.1	3280	59	1.6 - 2.0	77	77	78	81		J
			460		1.15	4.8	2920	5.3	3320	30	6.3 - 7.7	76	77	78	81		J
	5	3.7	200		1.15	18.3	4850	20.2	5515	113	0.7 - 0.9	76	76	78	80		J
			230		1.15	15.7	4925	17.5	5650	93	0.9 - 1.3	76	76	80	83		J
460			1.15	7.6	4810	8.5	5530	48	3.9 - 4.9	77	77	80	82	J			
7.5	5.5	200	1.15	27.0	7600	30.0	8800	165	0.4 - 0.6	74	74	81	85	J			
		230	1.15	24.0	7480	26.4	8570	140	0.5 - 0.9	75	75	79	83	J			
		460	1.15	12.2	7400	13.5	8560	87	2.1 - 2.7	76	76	77	80	L			
10	7.5	460	1.15	15.6	9600	17.2	11000	110	1.8 - 2.2	79	80	78	82	K			