

Single Phase Franklin Motors

SINGLE PHASE MOTOR SPECIFICATIONS (60 HERTZ) 3450 RPM

Type	Goulds Model Number	Franklin Motor Model Prefix					Rated Input		Maximum (S.F. Load)		(1) Line to Line Res.	Locked Rotor	KVA	Circuit Breaker or Fuse AMPS	
			HP	Volts	Hz	S.F.	(2) Amps	Watts	(2) Amps	Watts	M = Main S = Start	Amps	Code	Standard	Delay
4 inch two wire	S03932 [Ⓢ]	244502	1/5	115	60	1.75	8.0	480	9.2	720	1.4-1.8	48.4	S	25	10
	S03942 [Ⓢ]	244503	1/5	230	60	1.75	4.0	480	4.6	720	6.0-7.4	24.2	S	15	5
	S04932	244504	1/2	115	60	1.60	10.0	680	12.0	970	1.0-1.3	64.4	R	30	15
	S04942	244505	1/2	230	60	1.60	5.0	680	6.0	970	4.2-5.2	32.2	R	15	7
	S05942	244507	3/4	230	60	1.50	6.8	950	8.0	1325	3.0-3.6	40.7	N	20	9
	S06942	244508	1	230	60	1.40	8.2	1200	9.8	1600	2.2-2.7	48.7	M	25	12
S07942	244309	1 1/2	230	60	1.30	10.6	1780	13.1	2250	1.5-1.9	56.8	L	35	15	
4 inch three wire	S03930 [Ⓢ]	214502	1/5	115	60	1.75	Y8.0 B8.0 R0	480	Y9.2 B9.2 R0	720	1.4-1.8M 6.5-7.9S	34.8	N	25	10
	S03940 [Ⓢ]	214503	1/5	230	60	1.75	Y4.0 B4.0 R0	480	Y4.6 B4.6 R0	720	6.0-7.4M 26.1-32S	17.2	N	15	5
	S04930	214504	1/2	115	60	1.60	Y10.0 B10.0 R0	680	Y12.0 B12.0 R0	970	1.0-1.3M 4.1-5.1S	50.5	M	30	15
	S04940	214505	1/2	230	60	1.60	Y5.0 B5.0 R0	680	Y6.0 B6.0 R0	970	4.2-5.2M 16.7-20.5S	23.0	M	15	7
	S05940	214507	3/4	230	60	1.50	Y6.8 B6.8 R0	950	Y8.0 B8.0 R0	1325	3.0-3.6M 11.0-13.4S	34.2	M	20	9
	S06940	214508	1	230	60	1.40	Y8.2 B8.2 R0	1200	Y9.8 B9.8 R0	1600	2.2-2.7M 10.1-12.3S	41.8	L	25	12
4 inch three wire with run cap	S07940	224300	1 1/2	230	60	1.30	Y10.0 B9.9 R1.3	1700	Y11.5 B11.0 R1.3	2150	1.5-2.3M 6.2-12.0S	52.0	J	30	15
	S08940	224301	2	230	60	1.25	Y10.0 B9.3 R2.6	2100	Y13.2 B11.9 R2.6	2650	1.6-2.3M 5.2-7.15S	51.0	G	30	15
	S09940	224302	3	230	60	1.15	Y14.0 B12.2 R4.7	3150	Y17.0 B14.5 R4.5	3650	.9-1.5M 3.0-4.9S	82.0	G	45	20
	S10940	224303	5	230	60	1.15	Y23.0 B19.1 R8.0	5100	Y27.5 B23.2 R7.8	5900	.68-1.0M 2.1-2.8S	121.0	F	70	30
6 inch	S10941	226110	5	230	60	1.15	Y23.0 B18.2 R8.0	5000	Y27.5 B23.2 R7.8	5700	.55-.68M 1.3-1.6S	99.0	E	70	30
	S11970	226111	7 1/2	230	60	1.15	Y36.5 B34.4 R5.5	7300	Y42.1 B40.5 R5.4	8800	.36-.50M .92-1.2S	165.0	F	100	45
	S12970	226112	10	230	60	1.15	Y44.0 B39.5 R9.3	9800	Y51.0 B47.5 R8.9	11300	.27-.33M .80-.99S	204.0	E	150	60
	S13970	226113	15	230	60	1.15	Y62.0 B52.0 R17.5	13900	Y75.0 B62.5 R16.9	16200	.17-.22M .68-.93S	303.0	E	200	80

① Obsolete – use comparable 1/2 HP.

(1) Main winding – black to yellow
Start winding – red to yellow

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Effective January, 1999
TDSINGLE

(2) Y = Yellow lead, line amps
B = Black lead, main winding amps
R = Red lead, start or auxiliary winding amps

For additional motor data call
Franklin Electric at 1-800-348-2420.

Goulds Pumps



ITT Industries

Three Phase Franklin Motors

THREE PHASE MOTOR SPECIFICATIONS (60 HERTZ) 3450 RPM

Type	Goulds Model Number	Franklin Motor Model Prefix					Rated Input		Maximum (S.F. Load)		Line to Line	Locked Rotor	KVA	Circuit Breaker or Fuse AMPS	
			HP	Volts	Hz	S.F.	Amps	Watts	Amps	Watts	Res.	Amps	Code	Standard	Delay
4 inch 3450 RPM	S04978	234501	½	200	60	1.6	2.8	585	3.4	860	6.64-7.3	17.3	N	10	5
	S04970	234511	½	230	60	1.6	2.4	585	2.9	860	9.5-10.4	15.0	N	8	4
	S04975	234521	½	460	60	1.6	1.2	585	1.5	860	38.4-41.6	7.5	N	4	2
	S05978	234502	¾	200	60	1.5	3.6	810	4.4	1150	4.66-5.12	24.6	N	12	6
	S05970	234512	¾	230	60	1.5	3.1	810	3.8	1150	7.24-7.84	21.4	N	11	5
	S05975	234522	¾	460	60	1.5	1.6	810	1.9	1150	27.8-30.2	10.7	N	5	3
	S06978	234503	1	200	60	1.4	4.5	1070	5.4	1440	4.1-4.5	31.0	M	15	6
	S06970	234513	1	230	60	1.4	3.9	1070	4.7	1440	5.2-5.6	27.0	M	12	6
	S06975	234523	1	460	60	1.4	2.0	1070	2.4	1440	21.2-23.0	13.5	M	6	3
	S07978	234504	1½	200	60	1.3	5.8	1460	6.8	1890	2.5-3.0	38.1	K	20	8
	S07970	234514	1½	230	60	1.3	5.0	1460	5.9	1890	3.2-4.0	33.1	K	15	7
	S07975	234524	1½	460	60	1.3	2.5	1460	3.1	1890	13.0-16.0	16.6	K	8	4
	S07979	234534	1½	575	60	1.3	2.0	1460	2.4	1890	20.3-25.0	13.2	K	6	3
	S08978	234305	2	200	60	1.25	7.7	2150	9.3	2700	1.9-2.4	53.6	L	25	10
	S08970	234315	2	230	60	1.25	6.7	2150	8.1	2700	2.4-3.0	46.6	L	20	10
	S08975	234325	2	460	60	1.25	3.4	2150	4.1	2700	9.7-12.0	23.3	L	15	5
	S08979	234335	2	575	60	1.25	2.7	2150	3.2	2700	15.1-18.7	18.6	L	15	4
	S09978	234306	3	200	60	1.15	10.9	2980	12.5	3420	1.3-1.7	71	K	35	15
	S09970	234316	3	230	60	1.15	9.5	2980	10.9	3420	1.8-2.2	62	K	30	12
	S09975	234326	3	460	60	1.15	4.8	2980	5.5	3420	7.0-8.7	31	K	15	6
	S09979	234336	3	575	60	1.15	3.8	2980	4.4	3420	10.9-13.6	25	K	12	5
	S10978	234307	5	200	60	1.15	18.3	5050	20.5	5810	.70-.94	122	K	50	25
	S10970	234317	5	230	60	1.15	15.9	5050	17.8	5810	.93-1.2	106	K	45	20
	S10975	234327	5	460	60	1.15	8.0	5050	8.9	5810	3.6-4.4	53	K	25	10
	S10979	234337	5	575	60	1.15	6.4	5050	7.1	5810	5.6-6.9	43	K	20	8
S119784	234308	7½	200	60	1.15	26.5	7360	30.5	8450	.46-.57	188	K	80	35	
S119704	234318	7½	230	60	1.15	23.0	7360	26.4	8450	.61-.75	164	K	70	30	
S119754	234328	7½	460	60	1.15	11.5	7360	13.2	8450	2.4-3.4	82	K	35	15	

NOTES:

Model numbers are three lead motors. Six lead motors with different model numbers have the same running performance, but when wye connected for starting have locked rotor amps 33% of the values shown.

For additional motor data call Franklin Electric at 1-800-348-2420.