



Application - Single-Phase Motors

TABLE 13 Single Phase Motor Specifications (50 Hz), 2875 RPM, 1.0 Service Factor

Applicable for Australia/New Zealand

Type	Motor Model Prefix	Nameplate Rating					Full Load watts	Line to Line (1) Resistance (Ohms)		Efficiency %			Power Factor %			Locked Rotor Amps	Circuit Breakers or Fuse Amps	
		kW	HP	Volts	Line Volts	Amps		Main	Start	F.L.	3/4	1/2	F.L.	3/4	1/2		Typical Submersible	
																	Nontime Delay (Std) Fuse or Circuit Breaker	Dual Element Time Delay Fuse
4 Inch 2-wire	244 555	0.37	1/2	220	220	3.9	640	6.3-7.7		59	55	48	74	65	54	26.3	15	5
				230	230	4.1	650		58	54	45	69	61	50				
				240	240	4.4	670		56	51	41	65	56	47				
	244 557	0.55	3/4	220	220	6	925	3.7-4.6		61	57	49	71	61	50	36.1	20	7
				230	230	6.5	950		59	54	45	66	56	46				
				240	240	7.1	1000		56	50	40	61	52	43				
	244 558	0.75	1	220	220	7.3	1220	3.2-3.9		61	59	53	77	67	55	44.9	20	9
				230	230	7.6	1230		61	57	49	72	62	51				
				240	240	7.9	1280		58	54	45	68	58	47				
	244 359	1.1	1 1/2	220	220	10.6	1730	2.2-2.7		65	64	58	79	71	58	50.6	30	12
				230	230	10.8	1730		65	62	56	76	66	54				
				240	240	11	1780		63	60	52	71	62	49				
4 Inch 3-wire CS-IR (Cap Start)	214 563	0.25	1/3	230	230	2.8	450	10.9-13.4	36.8-45.0	55	51	42	69	60	50	9.6	15	3.5
				240	240	3.0	465		53	48	39	65	56	47				
	214 565	0.37	1/2	230	230	4	655	7.6-9.3	19.9-24.4	57	54	47	73	64	52	13.2	15	4.5
				240	240	4.1	665		56	52	43	69	60	49				
214 567	0.55	3/4	230	230	6	940	4.1-5.0	15.3-18.7	59	55	46	69	59	48	23	15	7	
			240	240	6.5	980		57	51	42	63	54	45					
214 568	0.75	1	230	230	7.3	1210	3.3-4.0	13.0-15.9	62	59	52	74	64	52	26.8	20	9	
			240	240	7.6	1240		60	57	48	69	60	48					
4 Inch 3-wire CS-CR (Cap Start-Cap Run)	224 560	1.1	1 1/2	230	230	8.9	1760	2.5-3.1	6.6-8.1	69	68	61	83	75	62	37.7	20	12
				240	240	9.1	1750		68	65	58	79	69	57				
	224 561	1.5	2	230	230	11.1	2210	2.1-2.6	7.4-9.0	70	69	62	88	81	68	51.5	30	15
				240	240	11.3	2260		69	66	58	84	75	62				
224 562	2.2	3	230	230	15.9	3330	1.1-1.4	3.8-4.7	72	71	63	86	78	65	80.1	50	25	
			240	240	16.6	3365		71	67	58	80	70	57					
224 563	3.7	5	230	230	22.7	5040	1.0-1.2	2.8-3.5	75	74	67	98	96	91	119.2	70	30	
			240	240	22.4	5080		75	72	64	96	92	83					
4 Inch 3-wire PSC (Permanent Split Capacitor)	254 633	0.25	1/3	230	230	2.2	2860	11.0-12.2	25.7-28.4	53	45	34	95	92	85	7.7	15	4
				240	240	2.4	2862		50	42	30	90	86	77				
	254 634	0.37	1/2	230	230	3	650	7.1-8.7	15.8-19.3	58	51	40	95	91	85	11	15	4
				240	240	3.2	675		55	48	37	91	85	78				
	254 635	0.55	3/4	230	230	4.1	900	5.1-6.3	11.6-14.2	63	57	47	98	95	90	14.7	15	5
				240	240	4.1	910		62	55	45	95	91	83				
	254 636	0.75	1	230	230	5.4	1210	3.8-4.7	8.9-10.9	62	56	46	99	98	95	18.8	15	6
				240	240	5.4	1240		60	54	43	97	95	90				
	254 637	1.1	1 1/2	230	230	8	1760	2.6-3.2	5.7-7.0	64	58	48	98	95	89	27.8	25	12
				240	240	8.1	1800		62	56	45	95	89	81				
	254 638	1.5	2	230	230	10.3	2280	2.2-2.7	4.8-5.8	66	61	51	99	96	91	33.8	25	12
				240	240	10.2	2310		65	58	47	96	91	82				
254 639	2.2	3	230	230	15.5	2815	1.4-1.5	3.1-3.4	65	59	50	99	98	95	53.2	50	25	
			240	240	15.2	2840		64	58	48	97	95	89					

	3 Wire			PSC
	AUST	EUR	USA	EUR
Main / Run Winding	Blue	Blue/Grey	Black	Blue/Grey
Start / Aux Winding	White	Black	Red	Brown
Common	Red	Brown	Yellow	Black

(1) Main/Run Winding Brown to Blue
Start/Aux Winding Brown to Black

Performance is typical, not guaranteed, at specified voltages and specified capacitor values. Performance at voltage ratings not shown is similar, except amps vary inversely with voltage.