



Single-Phase Motors

APPLICATION

TABLE 13 - 18 Slot 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	4.1	650			58	54	45	69	61	50			
					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	6.5	950			59	54	45	66	56	46			
					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	7.6	1230			61	57	49	72	62	51			
					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	10.8	1730			65	62	56	76	66	54			
					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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	15.2	2840			64	58	48	97	95	89				

(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.

	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



Single-Phase Motors

APPLICATION

TABLE 13 - 24 Slot Single Phase Motor (excludes 2-wire) 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 9***	0.37	1/2	220	220	3.9	640	6.3-7.7		62	59	51	0.73	0.64	0.52	26.3	15	5
					230	4.1	650			61	57	49	0.69	0.63	0.51	27.5		
	244 557 9***	0.55	3/4	220	220	6	925	3.7-4.6		63	59	52	0.69	0.59	0.48	36.1	20	7
					230	6.5	950			61	56	49	0.65	0.57	0.46	37.7		
	244 558 9***	0.75	1	220	220	7.3	1220	3.2-3.9		64	62	56	0.75	0.66	0.54	44.9	20	9
					230	7.6	1230			63	60	54	0.71	0.64	0.52	46.9		
	244 359 9***	1.1	1 1/2	220	220	10.6	1730	2.2-2.7		64	61	55	0.78	0.69	0.58	50.6	30	12
					230	10.8	1730			63	60	53	0.76	0.65	0.55	58.5		
4 Inch 3-wire CS-IR (Cap Start)	214 753 1***	0.25	1/3	230	220	2.8	475	10.6-13.0	38.3 - 46.8	53	50	43	0.78	0.70	0.61	9.3	15	3.5
					230	2.7	475			53	50	42	0.75	0.67	0.58	9.7		
	214 755 1***	0.37	1/2	230	220	3.9	660	7.3 - 8.9	23.9 - 29.3	56	55	48	0.77	0.69	0.58	13.1	15	4.5
					230	4	660			56	53	46	0.74	0.65	0.55	13.7		
	214 757 1***	0.55	3/4	230	220	5.9	980	4.8 - 5.8	18.5 - 22.7	56	53	46	0.77	0.69	0.58	20.6	15	7
					230	5.9	975			56	53	45	0.73	0.64	0.53	21.6		
	214 758 1***	0.75	1	230	220	7.3	1250	3.5 - 4.3	14.8 - 18.0	60	59	53	0.79	0.71	0.59	26.6	20	9
					230	7.3	1240			61	58	51	0.76	0.67	0.55	27.8		
4 Inch 3-wire CS-CR (Cap Start- Cap Run)	224 750 1***	1.1	1 1/2	230	220	8.6	1590	2.6 - 3.2	6.9 - 8.4	69	68	63	0.87	0.80	0.69	41.3	20	12
					230	8.6	1615			68	67	60	0.84	0.76	0.65	41.2		
	224 751 1***	1.5	2	230	220	10.6	2125	2.0 - 2.4	5.3 - 6.4	71	71	66	0.91	0.85	0.75	55.4	30	15
					230	10.4	2120			71	70	64	0.88	0.81	0.69	53.3		
	224 752 2***	2.2	3	230	220	15.9	2990	1.3 - 1.6	3.8 - 4.6	74	73	67	0.76	0.86	0.91	71.2	50	25
					230	16.6	3025			73	70	63	0.69	0.80	0.88	74.5		
	224 752 3***	2.2	3	230	220	15.9	2990	1.3 - 1.6	3.8 - 4.6	74	73	67	0.76	0.86	0.91	71.2	50	25
					230	16.6	3025			73	70	63	0.69	0.80	0.88	74.5		
4 Inch 3-wire PSC (Permanent Split Capacitor)	224 753 3***	3.7	5	230	220	22.7	4770	1.0 - 1.3	2.5 - 3.1	78	77	72	0.98	0.99	0.99	97.0	70	30
					230	22.4	4775			77	76	70	0.96	0.98	0.99	101		
	254 815 1***	0.37	1/2	230	230	3.1	685	7.2 - 8.8	20.8 - 25.4	54	47	36	0.97	0.92	0.86	11.6	15	4
					240	3.2	685			54	46	35	0.91	0.85	0.78	12.1		
	254 817 1***	0.55	3/4	230	230	4.0	875	4.8 - 5.8	13.1 - 16.0	63	57	46	0.98	0.97	0.94	16.2	15	5
					240	4.1	875			63	57	45	0.64	0.91	0.86	16.9		
	254 818 1***	0.75	1	230	230	5.5	1230	3.7 - 4.6	7.7 -9.4	61	54	44	0.99	0.99	0.97	20.8	15	6
					240	5.5	1270			59	52	41	0.98	0.96	0.92	21.8		
254 819 1***	1.1	1 1/2	230	230	7.8	1695	2.5 - 3.0	6.5 - 7.9	65	59	47	0.97	0.94	0.86	31.1	25	6	
				240	8.1	1745			63	56	43	0.92	0.86	0.77	32.5			
254 820 1***	1.5	2	230	230	10.0	2205	1.9 - 2.4	4.4 - 5.4	68	63	52	0.98	0.95	0.90	38.3	25	12	
				240	10.2	2275			66	59	48	0.95	0.90	0.82	40.0			
254 821 2***	2.2	3	230	230	14.0	3145	1.3 -1.6	3.0 - 3.6	70	65	55	0.99	0.98	0.93	56.7	25	12	
				240	14.1	3235			68	62	51	0.97	0.93	0.86	59.3			

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

(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.