



Three-Phase Motors

APPLICATION

TABLE 16 - 18 Slot Three 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 Resistance (Ohms)	Efficiency %			Power Factor %			Locked Rotor Amps	Circuit Breakers or Fuse Amps	
		kW	HP	Volts	Line Volts	Amps			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	234 561	0.37	1/2	380-415	380	1.1			66	64	59	76	69	57	8.9	15	4
					400	1.1	550	25.9 - 31.7	66	63	56	70	65	58	9.3		
					415	1.2			66	62	54	76	60	49	9.8		
	234 562	0.55	3/4	380-415	380	1.6			67	67	61	80	72	59	13.8	15	3
					400	1.6	810	13.4 - 16.3	73	64	58	75	67	54	14.5		
					415	1.7			74	63	55	80	63	50	15.3		
	234 563	0.75	1	380-415	380	2.1			70	68	63	79	70	57	18.6	15	4.5
					400	2.1	1050	9.1 - 11.1	69	67	60	75	65	52	19.2		
					415	2.2			68	65	57	71	61	49	20.2		
	234 524	1.1	1 1/2	380-415	380	3			72	72	69	81	73	59	28.7	15	7
					400	3	1470	7.2 - 8.8	73	71	66	76	67	53	28.9		
					415	3.1			72	70	64	72	62	49	30.8		
	234 525	1.5	2	380-415	380	3.9			73	72	69	81	72	59	39.9	20	9
					400	4	2120	4.5 - 5.5	73	71	66	76	66	53	41.6		
					415	4.1			72	69	63	72	61	48	43.3		
	234 526	2.2	3	380-415	380	5.8			75	75	72	81	72	58	46	25	10
					400	5.9	3100	4.0 - 4.9	75	73	71	75	64	51	49		
					415	6.3			73	71	66	69	59	45	50		
	234 591	3	4	380-415	380	7.5			76	76	73	81	72	58	55	25	12
					400	7.8	4000	2.9 - 3.6	76	74	70	75	65	51	58		
					415	8.2			75	73	67	70	59	46	60		
	234 527	3.7	5	380-415	380	9			77	78	75	84	76	64	72	35	15
					400	9.1	5030	2.5 - 3.1	77	77	73	79	70	55	76		
					415	9.4			76	76	71	74	64	51	79		
	234 593	4	5 1/2	380-415	380	9.8			77	78	75	84	76	63		45	20
					400	10	5370	1.8 - 2.3	78	77	73	78	69	56	91		
					415	10.3			77	76	71	73	63	50	91		
	234 528	5.5	7 1/2	380-415	380	13.5			76	76	73	84	76	64	72	35	15
					400	13.7	7430	2.5 - 3.1	76	75	71	79	70	57	76		
					415	14.2			75	74	69	74	65	52	79		
	234 597	7.5	10	380-415	380	18.3			77	74	70	84	65	53	81.2	45	20
					400	18.4	9540	1.8 - 2.3	74	73	70	79	57	47	89.9		
					415	17.4			77	77	74	79	70	56	81.2		

Performance is typical, not guaranteed, at specified voltages

Performance of 1984 and older models, not listed is similar, but not identical.



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TABLE 16 - 24 Slot Three 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 Resistance (Ohms)	Efficiency %			Power Factor %			Locked Rotor Amps	Circuit Breakers or Fuse Amps	
		kW	HP	Volts	Line Volts	Amps			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	234 761	0.37	1/2	380-415	380	1.1	560	54.4 -66.4	66	63	55	0.79	0.71	0.60	5.10	15	1.2
					400	1.1	555		66	63	54	0.74	0.66	0.55	5.41		
					415	1.14	570		65	61	53	0.71	0.62	0.51	5.61		
	234 762	0.55	3/4	380-415	380	1.6	810	41.0 - 52.0	68	64	57	0.79	0.71	0.60	7.0	15	1.8
					400	1.6	810		68	63	55	0.74	0.65	0.53	7.4		
					415	1.7	840		65	60	50	0.70	0.61	0.50	7.7		
	234 763	0.75	1	380-415	380	2	1065	22.2 - 27.2	70	69	63	0.81	0.73	0.61	10.1	15	4
					400	2	1075		70	68	61	0.77	0.68	0.55	10.6		
					415	2.1	1085		69	66	58	0.73	0.63	0.51	10.9		
	234 724	1.1	1 1/2	380-415	380	2.8	1490	13.8 - 16.8	74	73	68	0.82	0.75	0.63	15.3	15	3
					400	2.8	1490		74	72	66	0.78	0.69	0.57	16.0		
					415	2.9	1510		73	70	64	0.74	0.65	0.52	16.7		
	234 725	1.5	2	380-415	380	3.9	2035	10.9 - 13.4	73	72	67	0.83	0.74	0.62	19.7	15	4.5
					400	3.9	2035		73	71	65	0.78	0.68	0.55	20.7		
					415	4	2060		72	69	62	0.73	0.63	0.50	21.5		
	234 726	2.2	3	380-415	380	5.4	2925	6.8 - 8.3	75	75	71	0.82	0.74	0.60	28.3	15	7
					400	5.5	2930		75	74	69	0.77	0.66	0.52	29.8		
					415	5.8	2970		74	72	65	0.72	0.61	0.47	30.9		
	234 764	3	4	380-415	380	7.4	3915	4.7 - 5.8	77	77	73	0.82	0.74	0.61	39.9	20	9
					400	7.5	3930		76	76	70	0.77	0.67	0.53	42.0		
					415	7.9	3980		75	73	67	0.72	0.61	0.47	43.6		
	234 727	3.7	5	380-415	380	8.8	4725	3.7 - 4.5	78	79	75	0.83	0.75	0.62	49.7	25	10
					400	9	4745		78	77	73	0.78	0.69	0.54	52.3		
					415	9.3	4785		77	76	70	0.73	0.63	0.49	54.3		
234 765	4	5 1/2	380-415	380	9.7	5130	3.3 - 4.0	78	78	75	0.82	0.74	0.60	54.1	25	12	
				400	9.9	5160		78	77	72	0.77	0.67	0.52	57.0			
				415	10.4	5210		77	75	69	0.72	0.61	0.47	59.1			
234 728	5.5	7 1/2	380-415	380	12.6	6925	2.6 - 3.2	79	80	77	0.85	0.79	0.66	73.3	35	15	
				400	12.6	6940		79	79	75	0.81	0.73	0.59	77.2			
				415	12.8	7005		79	77	73	0.77	0.68	0.54	80.1			
234 729	7.5	10	380-415	380	17.5	9475	1.9 - 2.3	79	80	78	0.86	0.79	0.66	94.3	45	20	
				400	17.1	9460		79	79	75	0.81	0.72	0.58	99.3			
				415	17.6	9530		79	78	73	0.77	0.67	0.52	103.0			

Performance is typical, not guaranteed, at specified voltages

Performance of 1984 and older models, not listed is similar, but not identical.



Three-Phase Motors

APPLICATION

TABLE 17 Three-Phase Motor Specifications (50 Hz), 2875 RPM, 1.0 Service Factor

Type	Motor Model Prefix	Nameplate Rating					Full Load Watts	Line to Line Resistance (Ohms)	Efficiency %			Power Factor %			Locked Rotor Amps	Circuit Breakers or Fuse Amps	
		KW	HP	Volts	Line Volts	Amps**			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
6 Inch	236 610	3.7	5	380-415	380 400 415	8.9 8.8 9.3	4850 4900 4950	3.9 - 4.8	77 77 75	76 71 73	73 59 67	84 79 74	78 71 64	66 59 52	39 42 43	25 25 25	10 10 10
	236 611	5.5	7 1/2	380-415	380 400 415	12.7 12.5 12.8	7175 7100 7175	2.4 - 2.9	78 79 78	79 78 77	77 74 74	85 82 78	80 75 70	70 63 57	61 64 66	35 35 35	15 15 15
	236 612	7.5	10	380-415	380 400 415	16.5 16.0 16.2	9450 9450 9450	1.9 - 2.4	79 79 79	80 79 78	77 75 75	87 86 81	83 80 74	74 70 62	83 83 91	45 45 45	20 20 20
	236 613	11	15	380-415	380 400 415	24.2 23.0 24.1	13750 13750 13750	1.1 - 1.4	81 81 81	82 80 80	80 78 77	87 84 82	82 80 75	72 64 63	126 125 133	60 60 60	30 30 30
	236 614	15	20	380-415	380 400 415	32.0 31.3 31.0	18200 18500 18500	.83 - 1.0	82 81 81	83 81 81	81 79 77	87 85 83	84 80 77	75 69 65	164 170 174	80 80 80	35 35 35
	236 615	18.5	25	380-415	380 400 415	40.0 38.5 38.5	23000 22700 22700	.62 - .77	81 82 82	83 83 82	82 81 80	89 85 82	85 79 75	76 68 62	197 206 215	100 100 100	45 45 45
	236 616	22	30	380-415	380 400 415	47.0 45.3 45.5	27250 27000 27000	.52 - .64	82 83 83	83 83 82	82 81 80	88 86 84	86 81 78	78 71 66	255 268 278	125 125 125	55 55 55
	236 617	30	40	380-415	380 400 415	64.1 63.5 64.6	36000 36000 36000	.34 - .42	83 83 83	84 84 82	83 82 80	87 83 79	82 76 71	72 64 58	362 382 397	175 175 175	75 75 75
	276 698	37	50	415	415	76.6	45000	.34 - .43	82	84	83	85	90	91	362	200	90
	276 699	45	60	415	415	87.9	54000	.27 - .35	84	84	82	87	84	76	432	250	110
8 Inch	239 600	30	40	380-415	380 400 415	61.0 61.0 62.0	34700 34700 34700	.247 - .303	86 86 86	86 85 85	85 83 82	88 84 80	84 78 73	75 68 62	397 418 433	175 175 175	70 70 70
	239 601	37	50	380-415	380 400 415	75.0 74.0 74.0	43000 43000 43000	.185 - .226	87 87 87	87 86 86	85 84 83	89 86 83	85 81 76	78 71 66	507 534 654	200 200 200	90 90 90
	239 602	45	60	380-415	380 400 415	89.0 89.0 89.0	51500 51500 51500	.142 - .174	87 87 87	87 86 84	86 85 82	89 85 82	85 81 76	77 71 65	612 645 669	250 250 250	100 100 100
	239 603	55	75	380-415	380 400 415	111.0 108.0 108.0	64000 64000 64000	.106 - .130	88 88 88	88 87 87	86 85 84	89 87 84	86 78 66	79 72 66	819 862 895	300 300 300	125 125 125
	239 604	75	100	380-415	380 400 415	148.0 145.0 145.0	85000 86000 86000	.073 - .089	88 87 87	88 87 84	86 85 84	89 87 78	86 82 67	79 72 1200	1099 1157 1200	400 400 400	175 175 175
	239 105	93	125	380-415	380 400 415	194.0 190.0 191.0	107000 107000 107000	.055 - .067	87 87 87	87 86 86	85 84 83	86 83 80	83 78 63	75 68 63	1265 1332 1382	500 500 500	225 225 225
	239 106	110	150	380-415	380 400 415	226.0 222.0 223.0	127000 127000 127000	.042 - .051	88 88 88	88 87 87	86 85 84	87 84 81	77 80 75	1517 1597 1657	600 600 600	300 300 300	
	239 107	130	175	380-415	380 400 415	260.0 252.0 247.0	150000 148000 148000	.042 - .052	87 88 88	87 87 87	86 86 85	89 87 86	87 84 74	83 79 74	1651 1733 1803	700 700 700	300 300 300
	239 108	150	200	380-415	380 400 415	294.0 284.0 277.0	170000 170000 170000	.036 - .044	88 88 88	88 88 86	86 86 86	90 88 87	88 86 73	83 79 75	1765 1858 1928	800 800 800	350 350 350

Performance is typical, not guaranteed, at specified voltages.

Locked rotor amps for Wye start 6 lead motors is 33% of value shown.

Performance also applies to 6 lead model numbers where not listed.

Six lead individual phase resistance = table X 1.5.

* Refer to page 48 for 6" Hi Temp 90°C and 8" Hi Temp 75°C motors

** Amps may also be referred to as Full Load Amps (FLA)

Service Factor Amps (SFA) or Name Plate Amps