

AIM MANUAL ADDENDUM

G Series 50 Hz Motors



G Series Motors

50 Hz

Table 7A Single-Phase Motor Specifications (50 Hz) with “G” Model Suffix (i.e. 224352XXXX G)

TYPE	MOTOR MODEL PREFIX	RATING				FULL LOAD		LINE TO LINE RESISTANCE OHMS		EFFICIENCY %			POWER FACTOR %			LOCKED ROTOR AMPS
		HP	KW	VOLTS	HZ	AMPS	WATTS	MAIN	START	F.L.	3/4	1/2	F.L.	3/4	1/2	
4"	224352	3	2.2	220	50	22.7	3070	1.3-1.6	3.3-4.1	73	72	66	90	85	75	75.6
	224353	5	3.7	220	50	26.0	4840	1.0-1.2	2.3-2.9	77	78	73	100	100	100	106

(1) M = Main winding - yellow to black S = Start winding - yellow to red

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



G Series Motors

50 Hz

Table 10A Three-Phase Motor Specifications (50 Hz) with “G” Model Suffix (i.e. 234327XXXX G)

TYPE	MOTOR MODEL PREFIX	RATING				FULL LOAD		LINE TO LINE RESISTANCE OHMS	EFFICIENCY %			POWER FACTOR %			LOCKED ROTOR AMPS
		HP	KW	VOLTS	HZ	AMPS	WATTS		F.L.	3/4	1/2	F.L.	3/4	1/2	
4"	234394	4	3	220	50	11.9	3860	1.6-2.0	77	78	75	89	87	74	65.1
	380			6.9		3860	77		78	75	89	84	74	37.7	
	234395			400		6.7	3830	5.1-6.3	78	78	74	87	81	70	39.7
	415	6.5	3820	78	77	73	85		78	66	41.2				
	234357	5	3.7	220	50	14.7	4810	1.4-1.7	78	78	76	89	83	72	78.1
	380			8.6		4800	4.2-5.1	78	78	76	88	83	72	46.6	
	234327			400		8.4		4790	78	78	74	85	78	66	49.1
	415	8.4	4800	78	77	73	82	74	61	50.9					
	234396	5.5	4	220	50	15.9	5240	1.2-1.5	78	79	76	89	83	73	91.9
	380			9.2		5240	3.7-4.6	78	79	76	89	83	73	53.2	
	234397			400		8.9		5210	79	78	75	87	79	69	56.0
	415	8.9	5210	79	78	74	84	77	64	58.1					
	234358	7.5	5.5	220	50	22.1	7070	0.8-1.0	79	80	77	88	82	71	126
	380			12.8		7070	2.7-3.3	79	80	77	88	82	71	73.2	
	234328			400		12.6		7030	80	79	76	85	78	65	77.0
	415	12.6	7050	79	78	74	82	73	60	79.9					
	234595	10	7.5	380	50	16.5	9490	2.2-2.7	79	80	79	90	85	75	84.8
	400			15.9		9360	80		80	78	87	82	70	89.3	

Performance is typical, not guaranteed, at specified voltages.

