

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		(1) 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" 2-WIRE	244555	1/2	0.37	220	50	4.2	630	7.4-9.1		59	58	52	77	68	57	23.9
	244557	3/4	0.55	220	50	6	900	4.4-5.4		62	60	53	75	66	55	33.3
	244558	1	0.75	220	50	7.3	1220	3.7-4.5		61	61	55	79	71	59	47
	244359	1.5	1.1	220	50	10.6	1700	2.2-2.7		66	65	59	79	71	60	55.3
4" 3-WIRE	214555	1/2	0.37	220	50	4.2	630	7.4-9.1	20.8-25.4	59	58	52	77	68	57	13.8
	214557	3/4	0.55	220	50	6	900	4.4-5.4	15.3-18.7	62	60	53	75	66	55	23.8
	214558	1	0.75	220	50	7.3	1220	3.7-4.5	13.4-16.4	61	61	55	79	71	59	26.5
	224350	1.5	1.1	220	50	10	1620	2.4-3.0	8.0-9.7	69	68	62	87	80	69	39.3
	224351	2	1.5	220	50	12.1	2100	2.1-2.6	5.9-7.3	71	72	68	93	89	81	49.8
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. Z34327XXXX 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"	234551	1/2	0.37	220	50	1.8	550	19.8-24.3	68	67	62	82	74	63	7.4
	380			50	1.1	550	54.5-66.7	68	67	62	82	74	63	4.3	
	400			50	1.1	550		68	66	60	79	70	58	4.5	
	415			50	1.1	550		68	65	59	77	68	56	4.7	
	234552	3/4	0.55	220	50	2.6	815	13.4-16.4	69	69	64	85	78	66	10.4
	380			50	1.6	815	40.8-49.9	69	69	64	85	78	66	6	
	400			50	1.6	815		69	68	63	82	74	62	6.3	
	415			50	1.6	815		69	67	62	80	71	59	6.6	
	234553	1	0.75	220	50	3.5	1060	9.2-11.2	70	70	66	85	78	66	14.2
	380			50	2.1	1060	28.4-34.7	70	70	66	85	78	66	8.2	
	400			50	2.1	1060		70	69	65	82	74	62	8.6	
	415			50	2.1	1060		70	69	63	80	71	59	9	
	234554	1.5	1.1	220	50	5.2	1485	4.7-5.7	75	76	73	85	79	67	23.3
	380			50	3	1485	14.4-17.6	75	76	73	85	79	67	13.5	
	400			50	3	1480		76	75	72	82	75	63	14.2	
	415			50	3.1	1480		76	75	70	80	72	59	14.7	
	234355	2	1.5	220	50	6.9	1950	3.3-4.1	76	77	74	85	79	69	32
	380			50	4	1950	10.4-12.7	76	77	74	85	79	69	18.5	
	400			50	4	1940		77	77	73	83	76	64	19.5	
	415			50	4	1940		77	76	72	81	73	61	20.2	
	234356	3	2.2	220	50	10.4	2960	2.5-3.1	76	78	76	86	80	69	44.4
	380			50	6	2930	7.3-8.9	76	78	76	86	80	69	25.73	
	400			50	6	2900		77	77	74	83	76	64	27.1	
	415			50	6.2	2900		77	77	73	81	73	60	28.1	
	234394	4	3	220	50	11.9	3860	1.6-2.0	77	78	75	89	87	74	65.1
	380			50	6.9	3860	5.1-6.3	77	78	75	89	84	74	37.7	
	400				6.7	3830		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			50	8.6	4800	4.2-5.1	78	78	76	88	83	72	46.6	
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			50	9.2	5240	3.7-4.6	78	79	76	89	83	73	53.2		
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			50	12.8	7070	2.7-3.3	79	80	77	88	82	71	73.2		
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.

