

AIM MANUAL ADDENDUM

G Series 60 Hz Motors



G Series Motors

60 Hz

Table 13A Single-Phase Motor Specifications (60 Hz) with “G” Model Suffix (i.e. 224302XXXX G)

TYPE	MOTOR MODEL PREFIX	RATING					FULL LOAD		MAXIMUM LOAD		WINDING (1) RES. IN OHMS	EFFICIENCY %		POWER FACTOR %		LOCKED ROTOR AMPS	KVA CODE
		HP	KW	VOLTS	HZ	S.F.	(2) AMPS	WATTS	(2) AMPS	WATTS	M = MAIN RES. S = START RES.	S.F.	F.L.	S.F.	F.L.		
4" 3-WIRE	224302	3	2.2	230	60	1.15	Y12.8 B8.7 R6.1	2930	Y17.0 B13.2 R5.8	3350	M1.2-1.5 S3.2-3.9	77	76	98	98	84.0	H
	224303	5	3.7	230	60	1.15	Y20.5 B13.5 R10.5	4740	Y27.5 B21.0 R10.0	5440	M.81-1.00 S1.8-2.3	79	78	100	100	126	G

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

(2) Y = Yellow lead - line amps
 B = Black lead - main winding amps
 R = Red lead - start or auxiliary winding amps

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

60 Hz

Table 22A Three-Phase Motor Specifications (60 Hz) with “G” Model Suffix (i.e. 234317XXXX G)

TYPE	MOTOR MODEL PREFIX	RATING					FULL LOAD		MAXIMUM LOAD		LINE TO LINE RESISTANCE OHMS	EFFICIENCY %		LOCKED ROTOR AMPS	KVA CODE
		HP	KW	VOLTS	HZ	S.F.	AMPS	WATTS	AMPS	WATTS		S.F.	F.L.		
4"	234307	5	3.7	200	60	1.15	16.1	4710	18.8	5410	.81-1.0	79	79	123	K
	234317			230	60	1.15	14.2	4710	16.4	5410	1.0-1.3	79	79	111	K
	234347			380	60	1.15	8.6	4710	9.9	5410	2.9-3.6	79	79	67.1	K
	234327			460	60	1.15	7.1	4710	8.2	5410	4.2-5.1	79	79	55.4	K
	234337			575	60	1.15	5.7	4710	6.6	5410	6.2-7.6	79	79	45.9	L
	234308	7.5	5.5	200	60	1.15	24.0	7000	28.2	8020	.50-.61	80	80	193	K
	234318			230	60	1.15	21.0	7000	24.6	8020	.67-.82	80	80	171	L
	234348			380	60	1.15	12.7	7000	14.9	8020	1.9-2.3	80	80	104	L
	234328			460	60	1.15	10.5	7000	12.3	8020	2.7-3.3	80	80	87.9	L
	234338			575	60	1.15	8.2	7000	9.8	8020	4.1-5.0	81	81	71.0	L
	234549	10	7.5	380	60	1.15	16.1	9200	18.6	10620	1.5-1.9	81	81	127	K
	234595			460	60	1.15	13.3	9200	15.4	10620	2.2-2.7	81	81	105	K
	234598			575	60	1.15	10.7	9200	12.4	10620	3.5-4.3	81	81	81.6	K

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

