

AIM MANUAL ADDENDUM

G Series 60 Hz Motors



G Series Motors

60 Hz

Table 13 Single-Phase Motor Specifications (60 Hz) with a "G" suffix (i.e., 2445059004G) having a date code of 17X14 or newer

TYPE	MOTOR MODEL PREFIX	RATING					FULL LOAD		MAXIMUM LOAD		(1) LINE-TO-LINE RESISTANCE (OHMS)	EFFICIENCY (%)		POWER FACTOR (%)		LOCKED ROTOR AMPS	KVA CODE
		HP	KW	VOLTS	HZ	S.F.	(2) AMPS	WATTS	(2) AMPS	WATTS	M= MAIN RESISTANCE S= START RESISTANCE	S.F.	F.I.	S.F.	F.I.		
4" 2-WIRE	244504	1/2	0.37	115	60	1.6	10.0	660	12.0	1000	1.1-1.5	60	56	78	64	58.8	P
	244505	1/2	0.37	230	60	1.6	5.0	660	6.0	1000	4.7-5.8	60	56	78	64	28.5	P
	244507	3/4	0.55	230	60	1.5	6.8	925	8.0	1350	3.3-4.1	62	60	79	68	36.9	N
	244508	1	0.75	230	60	1.4	8.2	1215	10.4	1630	2.4-3.0	64	62	77	67	47.6	M
	244309	1.5	1.1	230	60	1.3	10.3	1690	13.1	2170	1.8-2.2	67	66	81	75	62.0	L
4" 3-WIRE	214504	1/2	0.37	115	60	1.6	Y10.0 B10.0 R0	660	Y12.0 B12.0 R0	1000	M1.1-1.5 S4.3-5.3	60	56	78	64	44.1	M
	214505	1/2	0.37	230	60	1.6	Y5.0 B5.0 R0	660	Y6.0 B6.0 R0	1000	M4.7-5.8 S17.5-21.5	60	56	78	64	20.6	M
	214507	3/4	0.55	230	60	1.5	Y6.8 B6.8 R0	925	Y8.0 B8.0 R0	1350	M3.3-4.1 S11.2-13.8	62	60	79	68	29.7	L
	214508	1	0.75	230	60	1.4	Y8.2 B8.2 R0	1215	Y10.4 B10.4 R0	1630	M2.4-3.0 S10.2-12.6	64	62	77	67	35.9	K
4" 3-WIRE W/CRC	214505	1/2	0.37	230	60	1.6	Y3.2 B3.7 R2.0	620	Y4.3 B4.0 R2.0	860	M4.7-5.8 S17.5-21.5	69	60	97	93	20.6	M
	214507	3/4	0.55	230	60	1.5	Y4.4 B5.0 R3.2	885	Y5.7 B5.2 R3.1	1185	M3.3-4.1 S11.2-13.8	71	63	99	98	29.7	L
	214508	1	0.75	230	60	1.4	Y5.6 B5.7 R3.4	1135	Y8.1 B6.2 R3.3	1455	M2.4-3.0 S10.2-12.6	72	66	96	93	35.9	K
4" 3-WIRE	214508 w/1-1.5 CB	1	0.75	230	60	1.4	Y6.6 B6.6 R2.0	1150	Y8.0 B7.4 R1.9	1460	M2.4-3.0 S10.2-12.6	71	65	89	85	41.7	L
	224300	1.5	1.1	230	60	1.3	Y10.0 B9.3 R1.9	1540	Y11.5 B10.8 R1.9	1980	M1.9-2.4 S6.8-8.3	73	73	90	87	49.0	J
	224301	2	1.5	230	60	1.25	Y10.0 B8.8 R2.6	1985	Y13.2 B12.0 R2.5	2535	M1.8-2.3 S5.6-6.9	74	75	96	95	51.0	G
	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

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

(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)



G Series Motors

60 Hz

Table 22A Three-Phase Motor Specifications (60 Hz) with a "G" suffix (i.e., 2343278602G) having a date code of 16X14 or newer

TYPE	MOTOR MODEL PREFIX	RATING					FULL LOAD		MAXIMUM LOAD		(1) LINE-TO-LINE RESISTANCE (OHMS)	EFFICIENCY (%)		LOCKED ROTOR AMPS	KVA CODE
		HP	KW	VOLTS	HZ	S.F.	AMPS	WATTS	AMPS	WATTS	M= MAIN RESISTANCE S= START RESISTANCE	S.F.	F.L.		
4"	234501	1/2	0.37	200	60	1.6	2.8	580	3.4	865	7.7-9.4	69	64	16.0	N
	234511			230	60	1.6	2.4	580	2.9	865	9.8-12.0	69	64	13.9	N
	234541			380	60	1.6	1.4	580	2.1	865	26.1-31.9	69	64	8.4	N
	234521			460	60	1.6	1.2	580	1.5	865	39.5-48.2	69	64	7.0	N
	234531			575	60	1.6	1.0	580	1.2	865	56.0-68.4	69	64	5.6	N
	234502	3/4	0.55	200	60	1.5	3.6	820	4.4	1180	5.4-6.7	71	68	22.4	M
	234512			230	60	1.5	3.1	820	3.8	1180	7.0-8.6	71	68	19.5	M
	234542			380	60	1.5	1.9	820	2.5	1180	18.5-22.6	71	68	11.8	M
	234522			460	60	1.5	1.6	820	1.9	1180	28.4-34.7	71	68	9.7	M
	234532			575	60	1.5	1.3	820	1.6	1180	44.0-53.8	71	68	7.8	M
	234503	1	0.75	200	60	1.4	4.5	1060	5.4	1440	3.9-4.8	72	70	28.8	M
	234513			230	60	1.4	3.9	1060	4.7	1440	5.1-6.3	72	70	25.0	M
	234543			380	60	1.4	2.3	1060	2.8	1440	13.5-16.5	72	70	15.1	M
	234523			460	60	1.4	2.0	1060	2.4	1440	20.7-25.3	72	70	12.5	M
	234533			575	60	1.4	1.6	1060	1.9	1440	32.6-39.9	72	70	10.0	M
	234504	1.5	1.1	200	60	1.3	5.8	1475	6.8	1915	2.8-3.4	76	76	34.8	K
	234514			230	60	1.3	5.0	1475	5.9	1915	3.6-4.4	76	76	30.5	K
	234544			380	60	1.3	3.0	1475	3.6	1915	9.5-11.7	76	76	18.3	K
	234524			460	60	1.3	2.5	1475	3.1	1915	14.4-17.6	76	76	15.1	K
	234534			575	60	1.3	2.0	1475	2.4	1915	22.7-27.8	76	76	12.2	K
	234305	2	1.5	200	60	1.25	7.7	1935	9.3	2410	2.0-2.5	77	77	46.3	K
	234315			230	60	1.25	6.7	1935	8.1	2410	2.6-3.2	77	77	40.1	K
	234345			380	60	1.25	4.1	1935	4.9	2410	7.6-9.3	77	77	25.3	K
	234325			460	60	1.25	3.4	1935	4.1	2410	10.4-12.7	77	77	20.9	K
	234335			575	60	1.25	2.7	1935	3.2	2410	16.4-20.0	77	77	16.4	K
	234306	3	2.2	200	60	1.15	10.9	2870	12.5	3310	1.4-1.7	78	78	65.2	J
	234316			230	60	1.15	9.5	2870	10.9	3310	1.8-2.2	78	78	57.0	J
	234346			380	60	1.15	5.8	2870	6.6	3310	5.3-6.5	78	78	33.0	J
	234326			460	60	1.15	4.8	2870	5.5	3310	7.3-8.9	78	78	27.3	J
	234336			575	60	1.15	3.8	2870	4.4	3310	11.5-14.1	78	78	21.9	J
	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	

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

