

YASKAWA

GA800 DRIVE

MULTIPLE RATINGS SUPPLEMENT

AC DRIVE FOR INDUSTRIAL APPLICATIONS

AFFECTED DOCUMENTS:

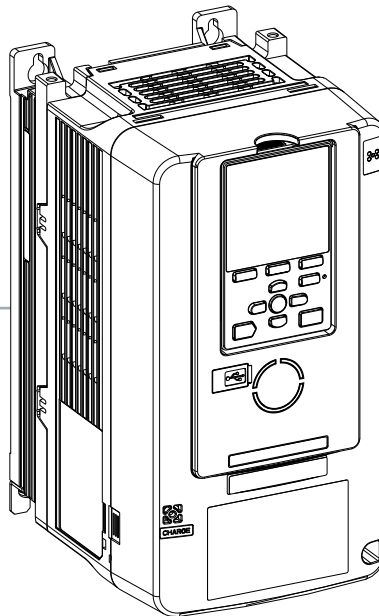
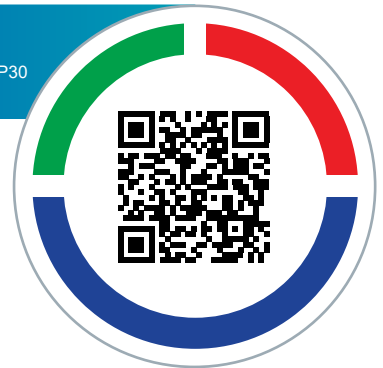
GA800 Technical Reference (SIEPC71061737)

GA800 Installation & Primary Operation (TOEPC71061737)

GA800 Quick Setup Procedure (TOEPC71061748 and TOEPC71061780)

PDF

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DOCUMENT NUMBER: TOEPYAISUP30

1 Supplemental Information - Applicable Documents

The contents of this supplement apply to the product instructions in [Table 1.1](#).

Table 1.1 Affected Documents

Drive Series	Document
GA800	GA800 Technical Reference (SIEPC71061737)
	GA800 Installation & Primary Operation (TOEPC71061737)
	GA800 Quick Setup Procedure (TOEPC71061748 and TOEPC71061780)

2 Multiple Ratings for GA800 AC Drives

This document details the various ratings available for GA800 drives and outlines the correct sizing of branch circuit protection along with input and output conductors for GA800 installations.

Per the National Electric Code (NEC), input conductors must be rated at 125% of the drive maximum input current, and output conductors must be rated at 125% of the motor Full Load Amps (FLA). In the tables below, the drive output current rating was used instead of the motor FLA.

This reduced rating sizing approach is ideal in certain applications, such as emergency drive replacements that use a larger drive, drive systems with multiple motors, or where the drive is significantly oversized for the connected motor.

In these applications, power distribution components are often unnecessarily oversized to maintain NEC compliance. To mitigate this issue, UL permits multiple ratings for a single drive, providing a more efficient approach to conductor and branch circuit protection component sizing.

◆ Multiple Ratings

Calculate the total FLA for all motors connected to the drive by summing their individual FLA values. The value set for *E2-01* becomes the reference value for motor protection and the torque limit. Enter the motor rated current as written on the motor nameplate. Auto-Tuning automatically sets *E2-01* to the value input for “Motor Rated Current”.

Once you have the total FLA, refer to [Table 2.1](#) to [Table 2.33](#) depending on the desired drive rating, and use the calculated current value to determine the appropriate allowable input current rating for the drive. This ensures proper conductor sizing while optimizing system efficiency. The following tables and examples are provided for guidance only. You must comply with NEC and local codes when you select conductors and branch circuit protection for your application.

Fuse and MCCB recommendations are provided in the tables below. You cannot reduce semiconductor fuses sizes. Class CC, J, or T fuses (sized at 175% of drive output FLA rating) and MCCBs (sized at 200% of drive output FLA rating) can use the reduced ratings, and you must follow NEC and local codes.

■ Three-Phase 240 V

Table 2.1 100% Ratings for GA800 AC Drives (Three-Phase 240 V)

Drive Model			Protection					Cable Sizing ^{*/}			
Drive Model	Drive Rated Output Current [Arms]	Drive Rated Input Current [Arms]	Class CC, J, or T Fuse (GA800 manual)	Class CC, J, or T Fuse (Max Allow)	Semiconductor Fuse (GA800 Manual)	MCCB (GA800 Manual)	MCCB (Max Allow)	Input Cable (GA800 Manual) [AWG]	Input Cable @ 125% Rated Current [AWG]	Motor Cable (GA800 Manual) [AWG]	Motor Cable @ 125% Rated Current [AWG]
2004	4.2	4.80	7	7	FWH-45B	15	15	14	14	14	14
2006	6	6.70	10	10	FWH-45B	15	15	14	14	14	14
2008	8	8.90	12	12	FWH-45B	15	15	14	14	14	14
2010	9.6	12.70	15	15	FWH-45B	15	15	12	12	14	14
2012	12.2	17.00	20	20	FWH-50B, 80B	20	20	10	10	12	12
2018	17.5	20.70	30	30	FWH-80B, 100B	35	35	10	10	10	10

Drive Model			Protection					Cable Sizing ^{*/}			
Drive Model	Drive Rated Output Current [Arms]	Drive Rated Input Current [Arms]	Class CC, J, or T Fuse (GA800 manual)	Class CC, J, or T Fuse (Max Allow)	Semiconductor Fuse (GA800 Manual)	MCCB (GA800 Manual)	MCCB (Max Allow)	Input Cable (GA800 Manual) [AWG]	Input Cable @ 125% Rated Current [AWG]	Motor Cable (GA800 Manual) [AWG]	Motor Cable @ 125% Rated Current [AWG]
2021	21	30.00	35	35	FWH-80B, 100B	40	40	8	8	10	10
2030	30	40.30	50	50	FWH-100B, 125B	60	60	6	6	8	8
2042	42	52.00	70	70	FWH-150B	80	80	6	6	6	6
2056	56	78.40	90	90	FWH-200B	110	110	3	3	4	4
2070	70	96.00	110	110	FWH-200B, 225A	125	125	1	1	3	3
2082	82	114.00	125	125	FWH-225A, 250A	150	150	1/0	1/0	2	2
2110	110	111.00	175	175	FWH-225A, 250A	200	200	1/0	1/0	1/0	1/0
2138	138	136.00	225	225	FWH-275A, 300A	250	250	2/0	2/0	2/0	2/0
2169	169	164.00	250	250	FWH-275A, 350A	300	300	4/0	4/0	4/0	4/0
2211	211	200.00	350	350	FWH-325A, 450A	400	400	250	250	300	1/0 × 2P or 300
2257	257	271.00	400	400	FWH-600A	500	500	2/0 × 2P	2/0 × 2P	2/0 × 2P	2/0 × 2P
2313	313	324.00	500	500	FWH-700A, 800A	600	600	4/0 × 2P	4/0 × 2P	3/0 × 2P	3/0 × 2P
2360	360	394.00	600	600	FWH-800A, 1000B	700	700	250 × 2P	250 × 2P	250 × 2P	250 × 2P
2415	415	471.10	700	700	FWH-1000B	800	800	250 × 2P	250 × 2P	300 × 2P	300 × 2P or 2/0 × 4P

*1 UL508A does not allow parallel conductors smaller than 1/0 AWG.

Table 2.2 95% Ratings for GA800 AC Drives (Three-Phase 240 V)

Drive Model			Protection					Cable Sizing ^{*/}			
Drive Model	Drive Rated Output Current [Arms]	Drive Rated Input Current [Arms]	Class CC, J, or T Fuse (GA800 manual)	Class CC, J, or T Fuse (Max Allow)	Semiconductor Fuse (GA800 Manual)	MCCB (GA800 Manual)	MCCB (Max Allow)	Input Cable (GA800 Manual) [AWG]	Input Cable @ 125% Rated Current [AWG]	Motor Cable (GA800 Manual) [AWG]	Motor Cable @ 125% Rated Current [AWG]
2004	3.99	4.57	-	6	-	-	10	-	14	-	14
2006	5.7	6.43	-	9	-	-	10	-	14	-	14
2008	7.6	8.52	-	12	-	-	15	-	14	-	14
2010	9.12	12.12	-	15	-	-	15	-	12	-	14
2012	11.59	16.18	-	20	-	-	20	-	10	-	14
2018	16.625	19.69	-	25	-	-	30	-	10	-	10
2021	19.95	28.61	-	30	-	-	35	-	8	-	10
2030	28.5	38.42	-	45	-	-	50	-	8	-	8
2042	39.9	49.46	-	60	-	-	75	-	6	-	8
2056	53.2	74.63	-	90	-	-	100	-	3	-	4
2070	66.5	91.35	-	110	-	-	125	-	1	-	4
2082	77.9	108.34	-	125	-	-	150	-	1/0	-	3
2110	104.5	105.48	-	175	-	-	200	-	1/0	-	1/0
2138	131.1	129.32	-	225	-	-	250	-	2/0	-	2/0
2169	160.55	156.30	-	250	-	-	300	-	3/0	-	4/0

2 Multiple Ratings for GA800 AC Drives

Drive Model			Protection					Cable Sizing ^{*/}			
Drive Model	Drive Rated Output Current [Arms]	Drive Rated Input Current [Arms]	Class CC, J, or T Fuse (GA800 manual)	Class CC, J, or T Fuse (Max Allow)	Semiconductor Fuse (GA800 Manual)	MCCB (GA800 Manual)	MCCB (Max Allow)	Input Cable (GA800 Manual) [AWG]	Input Cable @ 125% Rated Current [AWG]	Motor Cable (GA800 Manual) [AWG]	Motor Cable @ 125% Rated Current [AWG]
2211	200.45	190.08	-	350	-	-	400	-	250	-	1/0 × 2P or 300
2257	244.15	257.67	-	400	-	-	450	-	2/0 × 2P	-	2/0 × 2P
2313	297.35	308.03	-	500	-	-	500	-	4/0 × 2P	-	3/0 × 2P
2360	342	374.58	-	500	-	-	600	-	250 × 2P	-	4/0 × 2P
2415	394.25	447.98	-	600	-	-	700	-	250 × 2P	-	250 × 2P

*1 UL508A does not allow parallel conductors smaller than 1/0 AWG.

Table 2.3 90% Ratings for GA800 AC Drives (Three-Phase 240 V)

Drive Model			Protection					Cable Sizing ^{*/}			
Drive Model	Drive Rated Output Current [Arms]	Drive Rated Input Current [Arms]	Class CC, J, or T Fuse (GA800 manual)	Class CC, J, or T Fuse (Max Allow)	Semiconductor Fuse (GA800 Manual)	MCCB (GA800 Manual)	MCCB (Max Allow)	Input Cable (GA800 Manual) [AWG]	Input Cable @ 125% Rated Current [AWG]	Motor Cable (GA800 Manual) [AWG]	Motor Cable @ 125% Rated Current [AWG]
2004	3.78	4.35	-	6	-	-	10	-	14	-	14
2006	5.4	6.12	-	9	-	-	10	-	14	-	14
2008	7.2	8.11	-	12	-	-	10	-	14	-	14
2010	8.64	11.53	-	15	-	-	15	-	14	-	14
2012	10.98	15.38	-	17.5	-	-	20	-	10	-	14
2018	15.75	18.71	-	25	-	-	30	-	10	-	10
2021	18.9	27.18	-	30	-	-	35	-	8	-	10
2030	27	36.49	-	45	-	-	50	-	8	-	8
2042	37.8	46.96	-	60	-	-	75	-	6	-	8
2056	50.4	70.84	-	80	-	-	100	-	3	-	6
2070	63	86.71	-	110	-	-	125	-	2	-	4
2082	73.8	102.66	-	125	-	-	125	-	1/0	-	3
2110	99	99.97	-	150	-	-	175	-	1/0	-	1
2138	124.2	122.56	-	200	-	-	225	-	2/0	-	2/0
2169	152.1	148.28	-	250	-	-	300	-	3/0	-	3/0
2211	189.9	180.31	-	300	-	-	350	-	250	-	250
2257	231.3	244.12	-	400	-	-	450	-	2/0 × 2P	-	1/0 × 2P or 300
2313	281.7	291.81	-	450	-	-	500	-	4/0 × 2P	-	3/0 × 2P
2360	324	355.23	-	500	-	-	600	-	4/0 × 2P	-	4/0 × 2P
2415	373.5	424.82	-	600	-	-	700	-	250 × 2P	-	250 × 2P

*1 UL508A does not allow parallel conductors smaller than 1/0 AWG.

Table 2.4 85% Ratings for GA800 AC Drives (Three-Phase 240 V)

Drive Model			Protection					Cable Sizing ^{*/}			
Drive Model	Drive Rated Output Current [Arms]	Drive Rated Input Current [Arms]	Class CC, J, or T Fuse (GA800 manual)	Class CC, J, or T Fuse (Max Allow)	Semiconductor Fuse (GA800 Manual)	MCCB (GA800 Manual)	MCCB (Max Allow)	Input Cable (GA800 Manual) [AWG]	Input Cable @ 125% Rated Current [AWG]	Motor Cable (GA800 Manual) [AWG]	Motor Cable @ 125% Rated Current [AWG]
2004	3.57	4.14	-	6	-	-	10	-	14	-	14
2006	5.1	5.82	-	8	-	-	10	-	14	-	14
2008	6.8	7.70	-	10	-	-	10	-	14	-	14
2010	8.16	10.94	-	12	-	-	15	-	14	-	14
2012	10.37	14.58	-	17.5	-	-	20	-	12	-	14
2018	14.875	17.74	-	25	-	-	25	-	10	-	12
2021	17.85	25.75	-	30	-	-	35	-	8	-	10
2030	25.5	34.56	-	40	-	-	50	-	8	-	8
2042	35.7	44.46	-	60	-	-	60	-	6	-	8
2056	47.6	67.06	-	80	-	-	90	-	3	-	6
2070	59.5	82.06	-	100	-	-	110	-	2	-	4
2082	69.7	97.00	-	110	-	-	125	-	1	-	3
2110	93.5	94.58	-	150	-	-	175	-	1	-	1
2138	117.3	115.94	-	200	-	-	225	-	1/0	-	2/0
2169	143.65	140.25	-	250	-	-	250	-	3/0	-	3/0
2211	179.35	170.53	-	300	-	-	350	-	4/0	-	250
2257	218.45	230.85	-	350	-	-	400	-	2/0 × 2P	-	1/0 × 2P or 300
2313	266.05	275.93	-	450	-	-	500	-	2/0 × 2P	-	2/0 × 2P
2360	306	335.87	-	500	-	-	600	-	4/0 × 2P	-	3/0 × 2P
2415	352.75	401.64	-	600	-	-	700	-	250 × 2P	-	4/0 × 2P

*1 UL508A does not allow parallel conductors smaller than 1/0 AWG.

Table 2.5 80% Ratings for GA800 AC Drives (Three-Phase 240 V)

Drive Model			Protection					Cable Sizing ^{*/}			
Drive Model	Drive Rated Output Current [Arms]	Drive Rated Input Current [Arms]	Class CC, J, or T Fuse (GA800 manual)	Class CC, J, or T Fuse (Max Allow)	Semiconductor Fuse (GA800 Manual)	MCCB (GA800 Manual)	MCCB (Max Allow)	Input Cable (GA800 Manual) [AWG]	Input Cable @ 125% Rated Current [AWG]	Motor Cable (GA800 Manual) [AWG]	Motor Cable @ 125% Rated Current [AWG]
2004	3.36	3.92	-	5	-	-	10	-	14	-	14
2006	4.8	5.51	-	8	-	-	10	-	14	-	14
2008	6.4	7.29	-	10	-	-	10	-	14	-	14
2010	7.68	10.34	-	12	-	-	15	-	14	-	14
2012	9.76	13.78	-	15	-	-	15	-	12	-	14
2018	14	16.76	-	20	-	-	25	-	10	-	12
2021	16.8	24.32	-	25	-	-	30	-	8	-	10
2030	24	32.62	-	40	-	-	45	-	8	-	8
2042	33.6	41.96	-	50	-	-	60	-	6	-	8
2056	44.8	63.26	-	70	-	-	80	-	4	-	6
2070	56	77.40	-	90	-	-	110	-	3	-	4
2082	65.6	91.48	-	110	-	-	125	-	1	-	4

2 Multiple Ratings for GA800 AC Drives

Drive Model			Protection					Cable Sizing ^{*/}			
Drive Model	Drive Rated Output Current [Arms]	Drive Rated Input Current [Arms]	Class CC, J, or T Fuse (GA800 manual)	Class CC, J, or T Fuse (Max Allow)	Semiconductor Fuse (GA800 Manual)	MCCB (GA800 Manual)	MCCB (Max Allow)	Input Cable (GA800 Manual) [AWG]	Input Cable @ 125% Rated Current [AWG]	Motor Cable (GA800 Manual) [AWG]	Motor Cable @ 125% Rated Current [AWG]
2110	88	89.18	-	150	-	-	175	-	1	-	2
2138	110.4	109.31	-	175	-	-	200	-	1/0	-	1/0
2169	135.2	132.21	-	225	-	-	250	-	2/0	-	2/0
2211	168.8	160.75	-	250	-	-	300	-	4/0	-	4/0
2257	205.6	217.57	-	350	-	-	400	-	1/0 × 2P	-	1/0 × 2P or 300
2313	250.4	260.03	-	400	-	-	500	-	2/0 × 2P	-	2/0 × 2P
2360	288	316.50	-	500	-	-	500	-	4/0 × 2P	-	3/0 × 2P
2415	332	378.45	-	500	-	-	600	-	250 × 2P	-	4/0 × 2P

*1 UL508A does not allow parallel conductors smaller than 1/0 AWG.

Table 2.6 75% Ratings for GA800 AC Drives (Three-Phase 240 V)

Drive Model			Protection					Cable Sizing ^{*/}			
Drive Model	Drive Rated Output Current [Arms]	Drive Rated Input Current [Arms]	Class CC, J, or T Fuse (GA800 manual)	Class CC, J, or T Fuse (Max Allow)	Semiconductor Fuse (GA800 Manual)	MCCB (GA800 Manual)	MCCB (Max Allow)	Input Cable (GA800 Manual) [AWG]	Input Cable @ 125% Rated Current [AWG]	Motor Cable (GA800 Manual) [AWG]	Motor Cable @ 125% Rated Current [AWG]
2004	3.15	3.71	-	5	-	-	10	-	14	-	14
2006	4.5	5.20	-	7	-	-	10	-	14	-	14
2008	6	6.87	-	10	-	-	10	-	14	-	14
2010	7.2	9.75	-	12	-	-	10	-	14	-	14
2012	9.15	12.98	-	15	-	-	15	-	12	-	14
2018	13.125	15.78	-	20	-	-	25	-	10	-	12
2021	15.75	22.89	-	25	-	-	30	-	10	-	10
2030	22.5	30.68	-	35	-	-	45	-	8	-	10
2042	31.5	39.45	-	50	-	-	60	-	8	-	8
2056	42	59.46	-	70	-	-	80	-	4	-	6
2070	52.5	72.74	-	90	-	-	100	-	3	-	4
2082	61.5	85.96	-	100	-	-	110	-	2	-	4
2110	82.5	83.78	-	125	-	-	150	-	2	-	2
2138	103.5	102.67	-	175	-	-	200	-	1/0	-	1
2169	126.75	124.17	-	200	-	-	250	-	2/0	-	2/0
2211	158.25	150.95	-	250	-	-	300	-	3/0	-	4/0
2257	192.75	204.28	-	300	-	-	350	-	1/0 × 2P	-	1/0 × 2P or 300
2313	234.75	244.12	-	400	-	-	450	-	2/0 × 2P	-	1/0 × 2P or 300
2360	270	297.11	-	450	-	-	500	-	4/0 × 2P	-	2/0 × 2P
2415	311.25	355.23	-	500	-	-	600	-	4/0 × 2P	-	3/0 × 2P

*1 UL508A does not allow parallel conductors smaller than 1/0 AWG.

Table 2.7 70% Ratings for GA800 AC Drives (Three-Phase 240 V)

Drive Model			Protection					Cable Sizing ^{*/}			
Drive Model	Drive Rated Output Current [Arms]	Drive Rated Input Current [Arms]	Class CC, J, or T Fuse (GA800 manual)	Class CC, J, or T Fuse (Max Allow)	Semiconductor Fuse (GA800 Manual)	MCCB (GA800 Manual)	MCCB (Max Allow)	Input Cable (GA800 Manual) [AWG]	Input Cable @ 125% Rated Current [AWG]	Motor Cable (GA800 Manual) [AWG]	Motor Cable @ 125% Rated Current [AWG]
2004	2.94	3.49	-	5	-	-	10	-	14	-	14
2006	4.2	4.89	-	7	-	-	10	-	14	-	14
2008	5.6	6.46	-	9	-	-	10	-	14	-	14
2010	6.72	9.15	-	10	-	-	10	-	14	-	14
2012	8.54	12.18	-	12	-	-	15	-	12	-	14
2018	12.25	14.80	-	20	-	-	20	-	12	-	12
2021	14.7	21.45	-	25	-	-	25	-	10	-	12
2030	21	28.74	-	35	-	-	40	-	8	-	10
2042	29.4	36.93	-	50	-	-	50	-	8	-	8
2056	39.2	55.65	-	60	-	-	75	-	4	-	8
2070	49	68.07	-	80	-	-	90	-	3	-	6
2082	57.4	80.42	-	100	-	-	110	-	2	-	4
2110	77	78.37	-	125	-	-	150	-	3	-	3
2138	96.6	96.02	-	150	-	-	175	-	1	-	1
2169	118.3	116.11	-	200	-	-	225	-	1/0	-	2/0
2211	147.7	141.14	-	250	-	-	250	-	3/0	-	3/0
2257	179.9	190.97	-	300	-	-	350	-	250	-	250
2313	219.1	228.20	-	350	-	-	400	-	1/0 × 2P	-	1/0 × 2P or 300
2360	252	277.70	-	400	-	-	500	-	3/0 × 2P	-	2/0 × 2P
2415	290.5	332.00	-	500	-	-	500	-	4/0 × 2P	-	3/0 × 2P

*1 UL508A does not allow parallel conductors smaller than 1/0 AWG.

Table 2.8 65% Ratings for GA800 AC Drives (Three-Phase 240 V)

Drive Model			Protection					Cable Sizing ^{*/}			
Drive Model	Drive Rated Output Current [Arms]	Drive Rated Input Current [Arms]	Class CC, J, or T Fuse (GA800 manual)	Class CC, J, or T Fuse (Max Allow)	Semiconductor Fuse (GA800 Manual)	MCCB (GA800 Manual)	MCCB (Max Allow)	Input Cable (GA800 Manual) [AWG]	Input Cable @ 125% Rated Current [AWG]	Motor Cable (GA800 Manual) [AWG]	Motor Cable @ 125% Rated Current [AWG]
2004	2.73	3.27	-	4.5	-	-	10	-	14	-	14
2006	3.9	4.58	-	6	-	-	10	-	14	-	14
2008	5.2	6.04	-	9	-	-	10	-	14	-	14
2010	6.24	8.55	-	10	-	-	10	-	14	-	14
2012	7.93	11.37	-	12	-	-	15	-	14	-	14
2018	11.375	13.81	-	17.5	-	-	20	-	12	-	14
2021	13.65	20.00	-	20	-	-	25	-	10	-	12
2030	19.5	26.79	-	30	-	-	35	-	8	-	10
2042	27.3	34.41	-	45	-	-	50	-	8	-	8
2056	36.4	51.84	-	60	-	-	60	-	6	-	8
2070	45.5	63.39	-	70	-	-	90	-	4	-	6
2082	53.3	74.88	-	90	-	-	100	-	3	-	4

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Drive Model			Protection					Cable Sizing ^{*/}			
Drive Model	Drive Rated Output Current [Arms]	Drive Rated Input Current [Arms]	Class CC, J, or T Fuse (GA800 manual)	Class CC, J, or T Fuse (Max Allow)	Semiconductor Fuse (GA800 Manual)	MCCB (GA800 Manual)	MCCB (Max Allow)	Input Cable (GA800 Manual) [AWG]	Input Cable @ 125% Rated Current [AWG]	Motor Cable (GA800 Manual) [AWG]	Motor Cable @ 125% Rated Current [AWG]
2110	71.5	72.95	-	125	-	-	125	-	3	-	3
2138	89.7	89.36	-	150	-	-	175	-	1	-	1
2169	109.85	108.05	-	175	-	-	200	-	1/0	-	1/0
2211	137.15	131.32	-	225	-	-	250	-	2/0	-	2/0
2257	167.05	177.65	-	250	-	-	300	-	250	-	4/0
2313	203.45	212.26	-	350	-	-	400	-	1/0 × 2P	-	1/0 × 2P or 300
2360	234	258.27	-	400	-	-	450	-	2/0 × 2P	-	1/0 × 2P or 300
2415	269.75	308.74	-	450	-	-	500	-	4/0 × 2P	-	2/0 × 2P

*1 UL508A does not allow parallel conductors smaller than 1/0 AWG.

Table 2.9 60% Ratings for GA800 AC Drives (Three-Phase 240 V)

Drive Model			Protection					Cable Sizing ^{*/}			
Drive Model	Drive Rated Output Current [Arms]	Drive Rated Input Current [Arms]	Class CC, J, or T Fuse (GA800 manual)	Class CC, J, or T Fuse (Max Allow)	Semiconductor Fuse (GA800 Manual)	MCCB (GA800 Manual)	MCCB (Max Allow)	Input Cable (GA800 Manual) [AWG]	Input Cable @ 125% Rated Current [AWG]	Motor Cable (GA800 Manual) [AWG]	Motor Cable @ 125% Rated Current [AWG]
2004	2.52	3.06	-	4	-	-	10	-	14	-	14
2006	3.6	4.27	-	6	-	-	10	-	14	-	14
2008	4.8	5.62	-	8	-	-	10	-	14	-	14
2010	5.76	7.95	-	10	-	-	10	-	14	-	14
2012	7.32	10.56	-	12	-	-	10	-	14	-	14
2018	10.5	12.82	-	17.5	-	-	20	-	12	-	14
2021	12.6	18.55	-	20	-	-	25	-	10	-	12
2030	18	24.84	-	30	-	-	35	-	8	-	10
2042	25.2	31.89	-	40	-	-	50	-	8	-	8
2056	33.6	48.01	-	50	-	-	60	-	6	-	8
2070	42	58.70	-	70	-	-	80	-	4	-	6
2082	49.2	69.33	-	80	-	-	90	-	3	-	6
2110	66	67.52	-	110	-	-	125	-	3	-	4
2138	82.8	82.70	-	125	-	-	150	-	2	-	2
2169	101.4	99.97	-	175	-	-	200	-	1/0	-	1
2211	126.6	121.49	-	200	-	-	250	-	2/0	-	2/0
2257	154.2	164.31	-	250	-	-	300	-	4/0	-	3/0
2313	187.8	196.29	-	300	-	-	350	-	250	-	250
2360	216	238.82	-	350	-	-	400	-	2/0 × 2P	-	1/0 × 2P or 300
2415	249	285.46	-	400	-	-	450	-	3/0 × 2P	-	2/0 × 2P

*1 UL508A does not allow parallel conductors smaller than 1/0 AWG.

Table 2.10 55% Ratings for GA800 AC Drives (Three-Phase 240 V)

Drive Model			Protection					Cable Sizing ^{*/}			
Drive Model	Drive Rated Output Current [Arms]	Drive Rated Input Current [Arms]	Class CC, J, or T Fuse (GA800 manual)	Class CC, J, or T Fuse (Max Allow)	Semiconductor Fuse (GA800 Manual)	MCCB (GA800 Manual)	MCCB (Max Allow)	Input Cable (GA800 Manual) [AWG]	Input Cable @ 125% Rated Current [AWG]	Motor Cable (GA800 Manual) [AWG]	Motor Cable @ 125% Rated Current [AWG]
2004	2.31	2.84	-	4	-	-	10	-	14	-	14
2006	3.3	3.95	-	5	-	-	10	-	14	-	14
2008	4.4	5.20	-	7	-	-	10	-	14	-	14
2010	5.28	7.34	-	9	-	-	10	-	14	-	14
2012	6.71	9.75	-	10	-	-	10	-	14	-	14
2018	9.625	11.83	-	15	-	-	15	-	14	-	14
2021	11.55	17.10	-	20	-	-	20	-	10	-	14
2030	16.5	22.89	-	25	-	-	30	-	10	-	10
2042	23.1	29.36	-	40	-	-	45	-	8	-	10
2056	30.8	44.18	-	50	-	-	60	-	6	-	8
2070	38.5	54.00	-	60	-	-	75	-	4	-	8
2082	45.1	63.77	-	70	-	-	90	-	4	-	6
2110	60.5	62.08	-	100	-	-	110	-	4	-	4
2138	75.9	76.02	-	125	-	-	150	-	3	-	3
2169	92.95	91.88	-	150	-	-	175	-	1	-	1
2211	116.05	111.64	-	200	-	-	225	-	1/0	-	2/0
2257	141.35	150.95	-	225	-	-	250	-	3/0	-	3/0
2313	172.15	180.31	-	300	-	-	300	-	250	-	4/0
2360	198	219.34	-	300	-	-	350	-	1/0 × 2P	-	1/0 × 2P or 300
2415	228.25	262.15	-	350	-	-	450	-	2/0 × 2P	-	1/0 × 2P or 300

*1 UL508A does not allow parallel conductors smaller than 1/0 AWG.

Table 2.11 50% Ratings for GA800 AC Drives (Three-Phase 240 V)

Drive Model			Protection					Cable Sizing ^{*/}			
Drive Model	Drive Rated Output Current [Arms]	Drive Rated Input Current [Arms]	Class CC, J, or T Fuse (GA800 manual)	Class CC, J, or T Fuse (Max Allow)	Semiconductor Fuse (GA800 Manual)	MCCB (GA800 Manual)	MCCB (Max Allow)	Input Cable (GA800 Manual) [AWG]	Input Cable @ 125% Rated Current [AWG]	Motor Cable (GA800 Manual) [AWG]	Motor Cable @ 125% Rated Current [AWG]
2004	2.1	2.62	-	3	-	-	10	-	14	-	14
2006	3	3.64	-	5	-	-	10	-	14	-	14
2008	4	4.78	-	7	-	-	10	-	14	-	14
2010	4.8	6.74	-	8	-	-	10	-	14	-	14
2012	6.1	8.93	-	10	-	-	10	-	14	-	14
2018	8.75	10.83	-	15	-	-	15	-	14	-	14
2021	10.5	15.65	-	17.5	-	-	20	-	10	-	14
2030	15	20.92	-	25	-	-	30	-	10	-	12
2042	21	26.82	-	35	-	-	40	-	8	-	10
2056	28	40.34	-	45	-	-	50	-	6	-	8
2070	35	49.29	-	60	-	-	60	-	6	-	8
2082	41	58.19	-	70	-	-	80	-	4	-	6

2 Multiple Ratings for GA800 AC Drives

Drive Model			Protection					Cable Sizing ^{*/}			
Drive Model	Drive Rated Output Current [Arms]	Drive Rated Input Current [Arms]	Class CC, J, or T Fuse (GA800 manual)	Class CC, J, or T Fuse (Max Allow)	Semiconductor Fuse (GA800 Manual)	MCCB (GA800 Manual)	MCCB (Max Allow)	Input Cable (GA800 Manual) [AWG]	Input Cable @ 125% Rated Current [AWG]	Motor Cable (GA800 Manual) [AWG]	Motor Cable @ 125% Rated Current [AWG]
2110	55	56.63	-	90	-	-	110	-	4	-	4
2138	69	69.33	-	110	-	-	125	-	3	-	3
2169	84.5	83.78	-	125	-	-	150	-	2	-	2
2211	105.5	101.77	-	175	-	-	200	-	1/0	-	1/0
2257	128.5	137.57	-	200	-	-	250	-	2/0	-	2/0
2313	156.5	164.31	-	250	-	-	300	-	4/0	-	4/0
2360	180	199.84	-	300	-	-	350	-	250	-	250
2415	207.5	238.82	-	350	-	-	400	-	2/0 × 2P	-	1/0 × 2P or 300

*1 UL508A does not allow parallel conductors smaller than 1/0 AWG.

■ Three-Phase 480 V

Table 2.12 100% Ratings for GA800 AC Drives (Three-Phase 480 V)

Drive Model			Protection					Cable Sizing ^{*/}			
Drive Model	Drive Rated Output Current [Arms]	Drive Rated Input Current [Arms]	Class CC, J, or T Fuse (GA800 manual)	Class CC, J, or T Fuse (Max Allow)	Semiconductor Fuse (GA800 Manual)	MCCB (GA800 Manual)	MCCB (Max Allow)	Input Cable (GA800 Manual) [AWG]	Input Cable @ 125% Rated Current [AWG]	Motor Cable (GA800 Manual) [AWG]	Motor Cable @ 125% Rated Current [AWG]
4002	2.1	2.10	3.5	3.5	FWH-40B, 50B	15	15	14	14	14	14
4004	4.1	3.90	7	7	FWH-50B	15	15	14	14	14	14
4005	5.4	5.50	9	9	FWH-50B	15	15	14	14	14	14
4007	7.1	7.40	12	12	FWH-60B	15	15	14	14	14	14
4009	8.9	9.00	15	15	FWH-60B	15	15	14	14	14	14
4012	11.9	13.10	20	20	FWH-60B	20	20	12	12	14	14
4018	17.5	17.50	30	30	FWH-80B	35	35	10	10	10	10
4023	23.4	25.30	40	40	FWH-90B	45	45	8	8	10	10
4031	31	34.10	50	50	FWH-125B, 150B	60	60	6	6	8	8
4038	38	41.70	60	60	FWH-200B	75	75	6	6	8	8
4044	44	49.40	70	70	FWH-200B	80	80	4	4	6	6
4060	59.6	48.10	100	100	FWH-225A	110	110	4	4	4	4
4075	74.9	59.00	125	125	FWH-250A	150	150	3	3	3	3
4089	89.2	71.40	150	150	FWH-250A, 275A	175	175	2	2	2	2
4103	103	86.90	175	175	FWH-250A, 275A	200	200	1/0	1/0	1	1
4140	140	118.00	225	225	FWH-300A	250	250	3/0	3/0	2/0	2/0
4168	168	141.00	250	250	FWH-325A, 400A	300	300	4/0	4/0	4/0	4/0
4208	208	171.00	350	350	FWH-500A	400	400	1/0 × 2P	1/0 × 2P	1/0 × 2P	1/0 × 2P or 300
4250	250	232.00	400	400	FWH-600A	500	500	2/0 × 2P	2/0 × 2P	2/0 × 2P	2/0 × 2P
4302	302	289.00	500	500	FWH-700A	600	600	3/0 × 2P	3/0 × 2P	3/0 × 2P	3/0 × 2P
4371	371	346.00	Not Allowed	Not Allowed	FWH-800A	700	700	250 × 2P	250 × 2P	250 × 2P	250 × 2P

Drive Model			Protection					Cable Sizing ^{*/}			
Drive Model	Drive Rated Output Current [Arms]	Drive Rated Input Current [Arms]	Class CC, J, or T Fuse (GA800 manual)	Class CC, J, or T Fuse (Max Allow)	Semiconductor Fuse (GA800 Manual)	MCCB (GA800 Manual)	MCCB (Max Allow)	Input Cable (GA800 Manual) [AWG]	Input Cable @ 125% Rated Current [AWG]	Motor Cable (GA800 Manual) [AWG]	Motor Cable @ 125% Rated Current [AWG]
4414	414	403.00	Not Allowed	Not Allowed	FWH-800A, 1000B	800	800	300 × 2P	300 × 2P or 2/0 × 4P	300 × 2P	300 × 2P or 2/0 × 4P
4477	477	460.00	Not Allowed	Not Allowed	FWH-1000B, 1200B	900	900	250 × 4P	250 × 4P	4/0 × 4P	4/0 × 4P
4568	515	516.00	Not Allowed	Not Allowed	FWH-1000B, 1200B	1000	1000	250 × 4P	250 × 4P	4/0 × 4P	4/0 × 4P
4605	605	573.00	Not Allowed	Not Allowed	FWH-1200B, 1400A	1200	1200	300 × 4P	300 × 4P	300 × 4P	300 × 4P
4720	720	686.00	Not Allowed	Not Allowed	FWH-1200B, 1400A	1400	1400	300 × 4P	300 × 4P	300 × 4P	300 × 4P
4810	810	799.00	Not Allowed	Not Allowed	FWH-1200B	-	-	3/0 × 8P	3/0 × 8P	3/0 × 8P	3/0 × 8P
4930	930	912.00	Not Allowed	Not Allowed	FWH-1200B	-	-	4/0 × 8P	4/0 × 8P	4/0 × 8P	4/0 × 8P
4H11	1090	1024.00	Not Allowed	Not Allowed	FWH-1600A	-	-	250 × 8P	250 × 8P	250 × 8P	250 × 8P
4H12	1200	1137.00	Not Allowed	Not Allowed	FWH-1600A	-	-	300 × 8P	300 × 8P	300 × 8P	300 × 8P

*1 UL508A does not allow parallel conductors smaller than 1/0 AWG.

Table 2.13 95% Ratings for GA800 AC Drives (Three-Phase 480 V)

Drive Model			Protection					Cable Sizing ^{*/}			
Drive Model	Drive Rated Output Current [Arms]	Drive Rated Input Current [Arms]	Class CC, J, or T Fuse (GA800 manual)	Class CC, J, or T Fuse (Max Allow)	Semiconductor Fuse (GA800 Manual)	MCCB (GA800 Manual)	MCCB (Max Allow)	Input Cable (GA800 Manual) [AWG]	Input Cable @ 125% Rated Current [AWG]	Motor Cable (GA800 Manual) [AWG]	Motor Cable @ 125% Rated Current [AWG]
4002	1.995	2.00	-	3	-	-	10	-	14	-	14
4004	3.895	3.71	-	6	-	-	10	-	14	-	14
4005	5.13	5.27	-	8	-	-	10	-	14	-	14
4007	6.745	7.03	-	10	-	-	10	-	14	-	14
4009	8.455	9.21	-	12	-	-	15	-	14	-	14
4012	11.305	12.46	-	17.5	-	-	20	-	12	-	14
4018	16.625	16.70	-	25	-	-	30	-	10	-	10
4023	22.23	24.09	-	35	-	-	40	-	8	-	10
4031	29.45	32.45	-	50	-	-	50	-	8	-	8
4038	36.1	39.72	-	60	-	-	60	-	8	-	8
4044	41.8	46.96	-	70	-	-	80	-	6	-	6
4060	56.62	45.81	-	90	-	-	110	-	6	-	4
4075	71.155	56.16	-	110	-	-	125	-	4	-	3
4089	84.74	67.95	-	125	-	-	150	-	3	-	2
4103	97.85	82.64	-	150	-	-	175	-	2	-	1
4140	133	112.16	-	225	-	-	250	-	1/0	-	2/0
4168	159.6	134.07	-	250	-	-	300	-	2/0	-	4/0
4208	197.6	162.86	-	300	-	-	350	-	4/0	-	1/0 × 2P or 300
4250	237.5	220.84	-	400	-	-	450	-	1/0 × 2P	-	1/0 × 2P or 300
4302	286.9	274.81	-	500	-	-	500	-	2/0 × 2P	-	3/0 × 2P
4371	352.45	328.84	-	Not Allowed	-	-	700	-	4/0 × 2P	-	4/0 × 2P

2 Multiple Ratings for GA800 AC Drives

Drive Model			Protection					Cable Sizing ^{*/}			
Drive Model	Drive Rated Output Current [Arms]	Drive Rated Input Current [Arms]	Class CC, J, or T Fuse (GA800 manual)	Class CC, J, or T Fuse (Max Allow)	Semiconductor Fuse (GA800 Manual)	MCCB (GA800 Manual)	MCCB (Max Allow)	Input Cable (GA800 Manual) [AWG]	Input Cable @ 125% Rated Current [AWG]	Motor Cable (GA800 Manual) [AWG]	Motor Cable @ 125% Rated Current [AWG]
4414	393.3	382.86	-	Not Allowed	-	-	700	-	250 × 2P	-	250 × 2P
4477	453.15	437.29	-	Not Allowed	-	-	900	-	300 × 2P or 2/0 × 4P	-	3/0 × 4P
4568	489.25	490.52	-	Not Allowed	-	-	900	-	4/0 × 4P	-	4/0 × 4P
4605	574.75	544.66	-	Not Allowed	-	-	1100	-	4/0 × 4P	-	250 × 4P
4720	684	652.08	-	Not Allowed	-	-	1200	-	300 × 4P	-	300 × 4P
4810	769.5	759.38	-	Not Allowed	-	-	1500	-	3/0 × 8P	-	3/0 × 8P
4930	883.5	866.56	-	Not Allowed	-	-	1700	-	4/0 × 8P	-	4/0 × 8P
4H11	1035.5	973.65	-	Not Allowed	-	-	2000	-	250 × 8P	-	250 × 8P
4H12	1140	1080.64	-	Not Allowed	-	-	2200	-	300 × 8P	-	300 × 8P

*1 UL508A does not allow parallel conductors smaller than 1/0 AWG.

Table 2.14 90% Ratings for GA800 AC Drives (Three-Phase 480 V)

Drive Model			Protection					Cable Sizing ^{*/}			
Drive Model	Drive Rated Output Current [Arms]	Drive Rated Input Current [Arms]	Class CC, J, or T Fuse (GA800 manual)	Class CC, J, or T Fuse (Max Allow)	Semiconductor Fuse (GA800 Manual)	MCCB (GA800 Manual)	MCCB (Max Allow)	Input Cable (GA800 Manual) [AWG]	Input Cable @ 125% Rated Current [AWG]	Motor Cable (GA800 Manual) [AWG]	Motor Cable @ 125% Rated Current [AWG]
4002	1.89	1.89	-	3	-	-	10	-	14	-	14
4004	3.69	3.53	-	6	-	-	10	-	14	-	14
4005	4.86	5.01	-	8	-	-	10	-	14	-	14
4007	6.39	6.69	-	10	-	-	10	-	14	-	14
4009	8.01	8.75	-	12	-	-	15	-	14	-	14
4012	10.71	11.82	-	17.5	-	-	20	-	14	-	14
4018	15.75	15.86	-	25	-	-	30	-	10	-	10
4023	21.06	22.87	-	35	-	-	40	-	10	-	10
4031	27.9	30.80	-	45	-	-	50	-	8	-	8
4038	34.2	37.70	-	50	-	-	60	-	8	-	8
4044	39.6	44.57	-	60	-	-	75	-	6	-	8
4060	53.64	43.47	-	90	-	-	100	-	6	-	4
4075	67.41	53.29	-	110	-	-	125	-	4	-	4
4089	80.28	64.47	-	125	-	-	150	-	3	-	2
4103	92.7	78.40	-	150	-	-	175	-	3	-	1
4140	126	106.26	-	200	-	-	250	-	1/0	-	2/0
4168	151.2	127.02	-	250	-	-	300	-	2/0	-	3/0
4208	187.2	154.45	-	300	-	-	350	-	3/0	-	250
4250	225	209.41	-	350	-	-	450	-	1/0 × 2P	-	1/0 × 2P or 300
4302	271.8	260.57	-	450	-	-	500	-	2/0 × 2P	-	2/0 × 2P
4371	333.9	311.61	-	Not Allowed	-	-	600	-	4/0 × 2P	-	4/0 × 2P
4414	372.6	362.98	-	Not Allowed	-	-	700	-	4/0 × 2P	-	250 × 2P
4477	429.3	414.30	-	Not Allowed	-	-	800	-	300 × 2P or 2/0 × 4P	-	300 × 2P or 2/0 × 4P

Drive Model			Protection					Cable Sizing ^{*/}			
Drive Model	Drive Rated Output Current [Arms]	Drive Rated Input Current [Arms]	Class CC, J, or T Fuse (GA800 manual)	Class CC, J, or T Fuse (Max Allow)	Semiconductor Fuse (GA800 Manual)	MCCB (GA800 Manual)	MCCB (Max Allow)	Input Cable (GA800 Manual) [AWG]	Input Cable @ 125% Rated Current [AWG]	Motor Cable (GA800 Manual) [AWG]	Motor Cable @ 125% Rated Current [AWG]
4568	463.5	464.52	-	Not Allowed	-	-	900	-	3/0 × 4P	-	3/0 × 4P
4605	544.5	516.36	-	Not Allowed	-	-	1000	-	4/0 × 4P	-	250 × 4P
4720	648	618.17	-	Not Allowed	-	-	1200	-	250 × 4P	-	300 × 4P
4810	729	719.86	-	Not Allowed	-	-	1400	-	3/0 × 8P	-	3/0 × 8P
4930	837	821.45	-	Not Allowed	-	-	1600	-	4/0 × 8P	-	4/0 × 8P
4H11	981	922.93	-	Not Allowed	-	-	1900	-	250 × 8P	-	250 × 8P
4H12	1080	1024.34	-	Not Allowed	-	-	2100	-	250 × 8P	-	250 × 8P

*1 UL508A does not allow parallel conductors smaller than 1/0 AWG.

Table 2.15 85% Ratings for GA800 AC Drives (Three-Phase 480 V)

Drive Model			Protection					Cable Sizing ^{*/}			
Drive Model	Drive Rated Output Current [Arms]	Drive Rated Input Current [Arms]	Class CC, J, or T Fuse (GA800 manual)	Class CC, J, or T Fuse (Max Allow)	Semiconductor Fuse (GA800 Manual)	MCCB (GA800 Manual)	MCCB (Max Allow)	Input Cable (GA800 Manual) [AWG]	Input Cable @ 125% Rated Current [AWG]	Motor Cable (GA800 Manual) [AWG]	Motor Cable @ 125% Rated Current [AWG]
4002	1.785	1.80	-	3	-	-	10	-	14	-	14
4004	3.485	3.35	-	6	-	-	10	-	14	-	14
4005	4.59	4.76	-	8	-	-	10	-	14	-	14
4007	6.035	6.34	-	10	-	-	10	-	14	-	14
4009	7.565	8.30	-	12	-	-	15	-	14	-	14
4012	10.115	11.20	-	17.5	-	-	20	-	14	-	14
4018	14.875	15.02	-	25	-	-	25	-	12	-	12
4023	19.89	21.65	-	30	-	-	35	-	10	-	10
4031	26.35	29.15	-	45	-	-	50	-	8	-	8
4038	32.3	35.68	-	50	-	-	60	-	8	-	8
4044	37.4	42.17	-	60	-	-	60	-	6	-	8
4060	50.66	41.12	-	80	-	-	100	-	6	-	6
4075	63.665	50.41	-	110	-	-	125	-	6	-	4
4089	75.82	60.98	-	125	-	-	150	-	4	-	3
4103	87.55	74.15	-	150	-	-	175	-	3	-	2
4140	119	100.37	-	200	-	-	225	-	1/0	-	2/0
4168	142.8	119.97	-	225	-	-	250	-	2/0	-	3/0
4208	176.8	146.03	-	300	-	-	350	-	3/0	-	4/0
4250	212.5	197.98	-	350	-	-	400	-	250	-	1/0 × 2P or 300
4302	256.7	245.78	-	400	-	-	500	-	2/0 × 2P	-	2/0 × 2P
4371	315.35	294.40	-	Not Allowed	-	-	600	-	4/0 × 2P	-	4/0 × 2P
4414	351.9	342.72	-	Not Allowed	-	-	700	-	4/0 × 2P	-	4/0 × 2P
4477	405.45	391.60	-	Not Allowed	-	-	800	-	250 × 2P	-	300 × 2P or 2/0 × 4P
4568	437.75	439.06	-	Not Allowed	-	-	800	-	300 × 2P or 2/0 × 4P	-	300 × 2P or 2/0 × 4P
4605	514.25	487.54	-	Not Allowed	-	-	1000	-	4/0 × 4P	-	4/0 × 4P

2 Multiple Ratings for GA800 AC Drives

Drive Model			Protection					Cable Sizing ^{*/}			
Drive Model	Drive Rated Output Current [Arms]	Drive Rated Input Current [Arms]	Class CC, J, or T Fuse (GA800 manual)	Class CC, J, or T Fuse (Max Allow)	Semiconductor Fuse (GA800 Manual)	MCCB (GA800 Manual)	MCCB (Max Allow)	Input Cable (GA800 Manual) [AWG]	Input Cable @ 125% Rated Current [AWG]	Motor Cable (GA800 Manual) [AWG]	Motor Cable @ 125% Rated Current [AWG]
4720	612	584.24	-	Not Allowed	-	-	1200	-	250 × 4P	-	300 × 4P
4810	688.5	680.33	-	Not Allowed	-	-	1200	-	300 × 4P	-	300 × 4P
4930	790.5	776.31	-	Not Allowed	-	-	1500	-	3/0 × 8P	-	3/0 × 8P
4H11	926.5	872.20	-	Not Allowed	-	-	1800	-	4/0 × 8P	-	4/0 × 8P
4H12	1020	968.01	-	Not Allowed	-	-	2000	-	250 × 8P	-	250 × 8P

*1 UL508A does not allow parallel conductors smaller than 1/0 AWG.

Table 2.16 80% Ratings for GA800 AC Drives (Three-Phase 480 V)

Drive Model			Protection					Cable Sizing ^{*/}			
Drive Model	Drive Rated Output Current [Arms]	Drive Rated Input Current [Arms]	Class CC, J, or T Fuse (GA800 manual)	Class CC, J, or T Fuse (Max Allow)	Semiconductor Fuse (GA800 Manual)	MCCB (GA800 Manual)	MCCB (Max Allow)	Input Cable (GA800 Manual) [AWG]	Input Cable @ 125% Rated Current [AWG]	Motor Cable (GA800 Manual) [AWG]	Motor Cable @ 125% Rated Current [AWG]
4002	1.68	1.71	-	2	-	-	10	-	14	-	14
4004	3.28	3.17	-	5	-	-	10	-	14	-	14
4005	4.32	4.50	-	7	-	-	10	-	14	-	14
4007	5.68	5.99	-	9	-	-	10	-	14	-	14
4009	7.12	7.84	-	12	-	-	10	-	14	-	14
4012	9.52	10.57	-	15	-	-	15	-	14	-	14
4018	14	14.18	-	20	-	-	25	-	12	-	12
4023	18.72	20.43	-	30	-	-	35	-	10	-	10
4031	24.8	27.50	-	40	-	-	45	-	8	-	8
4038	30.4	33.65	-	50	-	-	60	-	8	-	8
4044	35.2	39.77	-	60	-	-	60	-	8	-	8
4060	47.68	38.78	-	80	-	-	90	-	8	-	6
4075	59.92	47.52	-	100	-	-	110	-	6	-	4
4089	71.36	57.48	-	110	-	-	125	-	4	-	3
4103	82.4	69.89	-	125	-	-	150	-	3	-	2
4140	112	94.60	-	175	-	-	200	-	1	-	1/0
4168	134.4	113.06	-	225	-	-	250	-	1/0	-	2/0
4208	166.4	137.61	-	250	-	-	300	-	2/0	-	4/0
4250	200	186.54	-	350	-	-	400	-	250	-	1/0 × 2P or 300
4302	241.6	231.56	-	400	-	-	450	-	2/0 × 2P	-	2/0 × 2P
4371	296.8	277.04	-	Not Allowed	-	-	500	-	3/0 × 2P	-	3/0 × 2P
4414	331.2	322.67	-	Not Allowed	-	-	600	-	4/0 × 2P	-	4/0 × 2P
4477	381.6	368.89	-	Not Allowed	-	-	700	-	250 × 2P	-	250 × 2P
4568	412	413.11	-	Not Allowed	-	-	800	-	300 × 2P or 2/0 × 4P	-	300 × 2P or 2/0 × 4P
4605	484	459.24	-	Not Allowed	-	-	900	-	3/0 × 4P	-	4/0 × 4P
4720	576	550.29	-	Not Allowed	-	-	1100	-	4/0 × 4P	-	250 × 4P
4810	648	640.78	-	Not Allowed	-	-	1200	-	300 × 4P	-	300 × 4P

Drive Model			Protection					Cable Sizing ^{*/}			
Drive Model	Drive Rated Output Current [Arms]	Drive Rated Input Current [Arms]	Class CC, J, or T Fuse (GA800 manual)	Class CC, J, or T Fuse (Max Allow)	Semiconductor Fuse (GA800 Manual)	MCCB (GA800 Manual)	MCCB (Max Allow)	Input Cable (GA800 Manual) [AWG]	Input Cable @ 125% Rated Current [AWG]	Motor Cable (GA800 Manual) [AWG]	Motor Cable @ 125% Rated Current [AWG]
4930	744	731.16	-	Not Allowed	-	-	1400	-	3/0 × 8P	-	3/0 × 8P
4H11	872	821.45	-	Not Allowed	-	-	1700	-	4/0 × 8P	-	4/0 × 8P
4H12	960	911.66	-	Not Allowed	-	-	1900	-	4/0 × 8P	-	250 × 8P

*1 UL508A does not allow parallel conductors smaller than 1/0 AWG.

Table 2.17 75% Ratings for GA800 AC Drives (Three-Phase 480 V)

Drive Model			Protection					Cable Sizing ^{*/}			
Drive Model	Drive Rated Output Current [Arms]	Drive Rated Input Current [Arms]	Class CC, J, or T Fuse (GA800 manual)	Class CC, J, or T Fuse (Max Allow)	Semiconductor Fuse (GA800 Manual)	MCCB (GA800 Manual)	MCCB (Max Allow)	Input Cable (GA800 Manual) [AWG]	Input Cable @ 125% Rated Current [AWG]	Motor Cable (GA800 Manual) [AWG]	Motor Cable @ 125% Rated Current [AWG]
4002	1.575	1.61	-	2	-	-	10	-	14	-	14
4004	3.075	2.99	-	5	-	-	10	-	14	-	14
4005	4.05	4.24	-	7	-	-	10	-	14	-	14
4007	5.325	5.64	-	9	-	-	10	-	14	-	14
4009	6.675	7.38	-	10	-	-	10	-	14	-	14
4012	8.925	9.95	-	15	-	-	15	-	14	-	14
4018	13.125	13.34	-	20	-	-	25	-	12	-	12
4023	17.55	19.21	-	30	-	-	35	-	10	-	10
4031	23.25	25.85	-	40	-	-	45	-	8	-	10
4038	28.5	31.63	-	45	-	-	50	-	8	-	8
4044	33	37.37	-	50	-	-	60	-	8	-	8
4060	44.7	36.43	-	70	-	-	80	-	8	-	6
4075	56.175	44.64	-	90	-	-	110	-	6	-	4
4089	66.9	53.99	-	110	-	-	125	-	4	-	4
4103	77.25	65.63	-	125	-	-	150	-	3	-	3
4140	105	88.82	-	175	-	-	200	-	1	-	1/0
4168	126	106.14	-	200	-	-	250	-	1/0	-	2/0
4208	156	129.18	-	250	-	-	300	-	2/0	-	3/0
4250	187.5	175.09	-	300	-	-	350	-	250	-	250
4302	226.5	216.84	-	350	-	-	450	-	1/0 × 2P	-	1/0 × 2P or 300
4371	278.25	259.70	-	Not Allowed	-	-	500	-	2/0 × 2P	-	3/0 × 2P
4414	310.5	302.47	-	Not Allowed	-	-	600	-	4/0 × 2P	-	3/0 × 2P
4477	357.75	346.16	-	Not Allowed	-	-	700	-	4/0 × 2P	-	4/0 × 2P
4568	386.25	387.22	-	Not Allowed	-	-	700	-	250 × 2P	-	250 × 2P
4605	453.75	430.92	-	Not Allowed	-	-	900	-	300 × 2P or 2/0 × 4P	-	3/0 × 4P
4720	540	516.33	-	Not Allowed	-	-	1000	-	4/0 × 4P	-	4/0 × 4P
4810	607.5	601.20	-	Not Allowed	-	-	1200	-	250 × 4P	-	300 × 4P
4930	697.5	685.98	-	Not Allowed	-	-	1200	-	300 × 4P	-	300 × 4P

2 Multiple Ratings for GA800 AC Drives

Drive Model			Protection					Cable Sizing ^{*/}			
Drive Model	Drive Rated Output Current [Arms]	Drive Rated Input Current [Arms]	Class CC, J, or T Fuse (GA800 manual)	Class CC, J, or T Fuse (Max Allow)	Semiconductor Fuse (GA800 Manual)	MCCB (GA800 Manual)	MCCB (Max Allow)	Input Cable (GA800 Manual) [AWG]	Input Cable @ 125% Rated Current [AWG]	Motor Cable (GA800 Manual) [AWG]	Motor Cable @ 125% Rated Current [AWG]
4H11	817.5	770.67	-	Not Allowed	-	-	1600	-	3/0 × 8P	-	4/0 × 8P
4H12	900	855.29	-	Not Allowed	-	-	1800	-	4/0 × 8P	-	4/0 × 8P

*1 UL508A does not allow parallel conductors smaller than 1/0 AWG.

Table 2.18 70% Ratings for GA800 AC Drives (Three-Phase 480 V)

Drive Model			Protection					Cable Sizing ^{*/}			
Drive Model	Drive Rated Output Current [Arms]	Drive Rated Input Current [Arms]	Class CC, J, or T Fuse (GA800 manual)	Class CC, J, or T Fuse (Max Allow)	Semiconductor Fuse (GA800 Manual)	MCCB (GA800 Manual)	MCCB (Max Allow)	Input Cable (GA800 Manual) [AWG]	Input Cable @ 125% Rated Current [AWG]	Motor Cable (GA800 Manual) [AWG]	Motor Cable @ 125% Rated Current [AWG]
4002	1.47	1.52	-	2	-	-	10	-	14	-	14
4004	2.87	2.81	-	5	-	-	10	-	14	-	14
4005	3.78	3.98	-	6	-	-	10	-	14	-	14
4007	4.97	5.29	-	8	-	-	10	-	14	-	14
4009	6.23	6.92	-	10	-	-	10	-	14	-	14
4012	8.33	9.32	-	12	-	-	15	-	14	-	14
4018	12.25	12.50	-	20	-	-	20	-	12	-	12
4023	16.38	17.99	-	25	-	-	30	-	10	-	10
4031	21.7	24.20	-	35	-	-	40	-	8	-	10
4038	26.6	29.59	-	45	-	-	50	-	8	-	8
4044	30.8	34.97	-	50	-	-	60	-	8	-	8
4060	41.72	34.07	-	70	-	-	80	-	8	-	6
4075	52.43	41.75	-	90	-	-	100	-	6	-	4
4089	62.44	50.48	-	100	-	-	110	-	6	-	4
4103	72.1	61.37	-	125	-	-	125	-	4	-	3
4140	98	83.03	-	150	-	-	175	-	2	-	1
4168	117.6	99.22	-	200	-	-	225	-	1	-	2/0
4208	145.6	120.74	-	250	-	-	250	-	2/0	-	3/0
4250	175	163.62	-	300	-	-	350	-	4/0	-	4/0
4302	211.4	202.63	-	350	-	-	400	-	1/0 × 2P	-	1/0 × 2P or 300
4371	259.7	242.40	-	Not Allowed	-	-	500	-	2/0 × 2P	-	2/0 × 2P
4414	289.8	282.29	-	Not Allowed	-	-	500	-	3/0 × 2P	-	3/0 × 2P
4477	333.9	323.42	-	Not Allowed	-	-	600	-	4/0 × 2P	-	4/0 × 2P
4568	360.5	361.36	-	Not Allowed	-	-	700	-	4/0 × 2P	-	250 × 2P
4605	423.5	402.13	-	Not Allowed	-	-	800	-	300 × 2P or 2/0 × 4P	-	300 × 2P or 2/0 × 4P
4720	504	482.34	-	Not Allowed	-	-	1000	-	4/0 × 4P	-	4/0 × 4P
4810	567	561.61	-	Not Allowed	-	-	1100	-	4/0 × 4P	-	250 × 4P
4930	651	640.78	-	Not Allowed	-	-	1200	-	300 × 4P	-	300 × 4P
4H11	763	719.86	-	Not Allowed	-	-	1500	-	3/0 × 8P	-	3/0 × 8P
4H12	840	798.88	-	Not Allowed	-	-	1600	-	3/0 × 8P	-	4/0 × 8P

*1 UL508A does not allow parallel conductors smaller than 1/0 AWG.

Table 2.19 65% Ratings for GA800 AC Drives (Three-Phase 480 V)

Drive Model			Protection					Cable Sizing ^{*/}			
Drive Model	Drive Rated Output Current [Arms]	Drive Rated Input Current [Arms]	Class CC, J, or T Fuse (GA800 manual)	Class CC, J, or T Fuse (Max Allow)	Semiconductor Fuse (GA800 Manual)	MCCB (GA800 Manual)	MCCB (Max Allow)	Input Cable (GA800 Manual) [AWG]	Input Cable @ 125% Rated Current [AWG]	Motor Cable (GA800 Manual) [AWG]	Motor Cable @ 125% Rated Current [AWG]
4002	1.365	1.42	-	2	-	-	10	-	14	-	14
4004	2.665	2.63	-	4.5	-	-	10	-	14	-	14
4005	3.51	3.72	-	6	-	-	10	-	14	-	14
4007	4.615	4.94	-	8	-	-	10	-	14	-	14
4009	5.785	6.46	-	10	-	-	10	-	14	-	14
4012	7.735	8.70	-	12	-	-	15	-	14	-	14
4018	11.375	11.65	-	17.5	-	-	20	-	14	-	14
4023	15.21	16.76	-	25	-	-	30	-	10	-	12
4031	20.15	22.54	-	35	-	-	40	-	10	-	10
4038	24.7	27.56	-	40	-	-	45	-	8	-	8
4044	28.6	32.56	-	50	-	-	50	-	8	-	8
4060	38.74	31.72	-	60	-	-	75	-	8	-	8
4075	48.685	38.85	-	80	-	-	90	-	8	-	6
4089	57.98	46.98	-	100	-	-	110	-	6	-	4
4103	66.95	57.10	-	110	-	-	125	-	4	-	4
4140	91	77.24	-	150	-	-	175	-	3	-	1
4168	109.2	92.29	-	175	-	-	200	-	1	-	1/0
4208	135.2	112.29	-	225	-	-	250	-	1/0	-	2/0
4250	162.5	152.15	-	250	-	-	300	-	3/0	-	4/0
4302	196.3	188.41	-	300	-	-	350	-	250	-	1/0 × 2P or 300
4371	241.15	225.36	-	Not Allowed	-	-	450	-	1/0 × 2P	-	2/0 × 2P
4414	269.1	262.15	-	Not Allowed	-	-	500	-	2/0 × 2P	-	2/0 × 2P
4477	310.05	300.66	-	Not Allowed	-	-	600	-	4/0 × 2P	-	3/0 × 2P
4568	334.75	335.54	-	Not Allowed	-	-	600	-	4/0 × 2P	-	4/0 × 2P
4605	393.25	372.96	-	Not Allowed	-	-	700	-	250 × 2P	-	250 × 2P
4720	468	448.33	-	Not Allowed	-	-	900	-	300 × 2P or 2/0 × 4P	-	3/0 × 4P
4810	526.5	521.99	-	Not Allowed	-	-	1000	-	4/0 × 4P	-	4/0 × 4P
4930	604.5	595.55	-	Not Allowed	-	-	1200	-	250 × 4P	-	300 × 4P
4H11	708.5	669.03	-	Not Allowed	-	-	1400	-	300 × 4P	-	300 × 4P
4H12	780	742.45	-	Not Allowed	-	-	1500	-	3/0 × 8P	-	3/0 × 8P

*1 UL508A does not allow parallel conductors smaller than 1/0 AWG.

Table 2.20 60% Ratings for GA800 AC Drives (Three-Phase 480 V)

Drive Model			Protection					Cable Sizing ^{*1}			
Drive Model	Drive Rated Output Current [Arms]	Drive Rated Input Current [Arms]	Class CC, J, or T Fuse (GA800 manual)	Class CC, J, or T Fuse (Max Allow)	Semiconductor Fuse (GA800 Manual)	MCCB (GA800 Manual)	MCCB (Max Allow)	Input Cable (GA800 Manual) [AWG]	Input Cable @ 125% Rated Current [AWG]	Motor Cable (GA800 Manual) [AWG]	Motor Cable @ 125% Rated Current [AWG]
4002	1.26	1.33	-	2	-	-	10	-	14	-	14
4004	2.46	2.44	-	4	-	-	10	-	14	-	14
4005	3.24	3.46	-	5	-	-	10	-	14	-	14
4007	4.26	4.59	-	7	-	-	10	-	14	-	14
4009	5.34	5.99	-	9	-	-	10	-	14	-	14
4012	7.14	8.07	-	12	-	-	10	-	14	-	14
4018	10.5	10.80	-	17.5	-	-	20	-	14	-	14
4023	14.04	15.53	-	20	-	-	25	-	10	-	12
4031	18.6	20.88	-	30	-	-	35	-	10	-	10
4038	22.8	25.52	-	35	-	-	45	-	8	-	10
4044	26.4	30.14	-	45	-	-	50	-	8	-	8
4060	35.76	29.36	-	60	-	-	60	-	8	-	8
4075	44.94	35.96	-	70	-	-	80	-	8	-	6
4089	53.52	43.47	-	90	-	-	100	-	6	-	4
4103	61.8	52.82	-	100	-	-	110	-	4	-	4
4140	84	71.44	-	125	-	-	150	-	3	-	2
4168	100.8	85.35	-	175	-	-	200	-	2	-	1
4208	124.8	103.83	-	200	-	-	225	-	1/0	-	2/0
4250	150	140.67	-	250	-	-	300	-	3/0	-	3/0
4302	181.2	174.17	-	300	-	-	350	-	250	-	250
4371	222.6	208.32	-	Not Allowed	-	-	400	-	1/0 × 2P	-	1/0 × 2P or 300
4414	248.4	242.30	-	Not Allowed	-	-	450	-	2/0 × 2P	-	2/0 × 2P
4477	286.2	277.88	-	Not Allowed	-	-	500	-	3/0 × 2P	-	3/0 × 2P
4568	309	309.76	-	Not Allowed	-	-	600	-	4/0 × 2P	-	3/0 × 2P
4605	363	343.91	-	Not Allowed	-	-	700	-	4/0 × 2P	-	250 × 2P
4720	432	414.30	-	Not Allowed	-	-	800	-	300 × 2P or 2/0 × 4P	-	300 × 2P or 2/0 × 4P
4810	486	482.34	-	Not Allowed	-	-	900	-	4/0 × 4P	-	4/0 × 4P
4930	558	550.29	-	Not Allowed	-	-	1100	-	4/0 × 4P	-	250 × 4P
4H11	654	618.17	-	Not Allowed	-	-	1200	-	250 × 4P	-	300 × 4P
4H12	720	685.98	-	Not Allowed	-	-	1400	-	300 × 4P	-	300 × 4P

*1 UL508A does not allow parallel conductors smaller than 1/0 AWG.

Table 2.21 55% Ratings for GA800 AC Drives (Three-Phase 480 V)

Drive Model			Protection					Cable Sizing ^{*1}			
Drive Model	Drive Rated Output Current [Arms]	Drive Rated Input Current [Arms]	Class CC, J, or T Fuse (GA800 manual)	Class CC, J, or T Fuse (Max Allow)	Semiconductor Fuse (GA800 Manual)	MCCB (GA800 Manual)	MCCB (Max Allow)	Input Cable (GA800 Manual) [AWG]	Input Cable @ 125% Rated Current [AWG]	Motor Cable (GA800 Manual) [AWG]	Motor Cable @ 125% Rated Current [AWG]
4002	1.155	1.23	-	2	-	-	10	-	14	-	14
4004	2.255	2.26	-	3	-	-	10	-	14	-	14

Drive Model			Protection					Cable Sizing ^{*/}			
Drive Model	Drive Rated Output Current [Arms]	Drive Rated Input Current [Arms]	Class CC, J, or T Fuse (GA800 manual)	Class CC, J, or T Fuse (Max Allow)	Semiconductor Fuse (GA800 Manual)	MCCB (GA800 Manual)	MCCB (Max Allow)	Input Cable (GA800 Manual) [AWG]	Input Cable @ 125% Rated Current [AWG]	Motor Cable (GA800 Manual) [AWG]	Motor Cable @ 125% Rated Current [AWG]
4005	2.97	3.19	-	5	-	-	10	-	14	-	14
4007	3.905	4.24	-	6	-	-	10	-	14	-	14
4009	4.895	5.53	-	8	-	-	10	-	14	-	14
4012	6.545	7.44	-	10	-	-	10	-	14	-	14
4018	9.625	9.95	-	15	-	-	15	-	14	-	14
4023	12.87	14.30	-	20	-	-	25	-	12	-	12
4031	17.05	19.21	-	25	-	-	30	-	10	-	10
4038	20.9	23.48	-	35	-	-	40	-	10	-	10
4044	24.2	27.72	-	40	-	-	45	-	8	-	8
4060	32.78	26.99	-	50	-	-	60	-	8	-	8
4075	41.195	33.05	-	70	-	-	80	-	8	-	6
4089	49.06	39.95	-	80	-	-	90	-	8	-	6
4103	56.65	48.54	-	90	-	-	110	-	6	-	4
4140	77	65.63	-	125	-	-	150	-	3	-	3
4168	92.4	78.40	-	150	-	-	175	-	3	-	1
4208	114.4	95.37	-	200	-	-	225	-	1	-	1/0
4250	137.5	129.18	-	225	-	-	250	-	2/0	-	2/0
4302	166.1	159.92	-	250	-	-	300	-	4/0	-	4/0
4371	204.05	191.25	-	Not Allowed	-	-	400	-	250	-	1/0 × 2P or 300
4414	227.7	222.44	-	Not Allowed	-	-	450	-	1/0 × 2P	-	1/0 × 2P or 300
4477	262.35	255.08	-	Not Allowed	-	-	500	-	2/0 × 2P	-	2/0 × 2P
4568	283.25	284.34	-	Not Allowed	-	-	500	-	3/0 × 2P	-	3/0 × 2P
4605	332.75	315.31	-	Not Allowed	-	-	600	-	4/0 × 2P	-	4/0 × 2P
4720	396	380.25	-	Not Allowed	-	-	700	-	250 × 2P	-	250 × 2P
4810	445.5	442.66	-	Not Allowed	-	-	800	-	300 × 2P or 2/0 × 4P	-	3/0 × 4P
4930	511.5	505.00	-	Not Allowed	-	-	1000	-	4/0 × 4P	-	4/0 × 4P
4H11	599.5	567.26	-	Not Allowed	-	-	1100	-	4/0 × 4P	-	250 × 4P
4H12	660	629.47	-	Not Allowed	-	-	1200	-	300 × 4P	-	300 × 4P

*1 UL508A does not allow parallel conductors smaller than 1/0 AWG.

Table 2.22 50% Ratings for GA800 AC Drives (Three-Phase 480 V)

Drive Model			Protection					Cable Sizing ^{*/}			
Drive Model	Drive Rated Output Current [Arms]	Drive Rated Input Current [Arms]	Class CC, J, or T Fuse (GA800 manual)	Class CC, J, or T Fuse (Max Allow)	Semiconductor Fuse (GA800 Manual)	MCCB (GA800 Manual)	MCCB (Max Allow)	Input Cable (GA800 Manual) [AWG]	Input Cable @ 125% Rated Current [AWG]	Motor Cable (GA800 Manual) [AWG]	Motor Cable @ 125% Rated Current [AWG]
4002	1.05	1.14	-	1	-	-	10	-	14	-	14
4004	2.05	2.08	-	3	-	-	10	-	14	-	14
4005	2.7	2.93	-	4.5	-	-	10	-	14	-	14
4007	3.55	3.88	-	6	-	-	10	-	14	-	14

2 Multiple Ratings for GA800 AC Drives

Drive Model			Protection					Cable Sizing ^{*/}			
Drive Model	Drive Rated Output Current [Arms]	Drive Rated Input Current [Arms]	Class CC, J, or T Fuse (GA800 manual)	Class CC, J, or T Fuse (Max Allow)	Semiconductor Fuse (GA800 Manual)	MCCB (GA800 Manual)	MCCB (Max Allow)	Input Cable (GA800 Manual) [AWG]	Input Cable @ 125% Rated Current [AWG]	Motor Cable (GA800 Manual) [AWG]	Motor Cable @ 125% Rated Current [AWG]
4009	4.45	5.06	-	7	-	-	10	-	14	-	14
4012	5.95	6.80	-	10	-	-	10	-	14	-	14
4018	8.75	9.10	-	15	-	-	15	-	14	-	14
4023	11.7	13.06	-	20	-	-	20	-	12	-	14
4031	15.5	17.54	-	25	-	-	30	-	10	-	10
4038	19	21.43	-	30	-	-	35	-	10	-	10
4044	22	25.30	-	35	-	-	40	-	8	-	10
4060	29.8	24.62	-	50	-	-	50	-	8	-	8
4075	37.45	30.14	-	60	-	-	60	-	8	-	8
4089	44.6	36.43	-	70	-	-	80	-	8	-	6
4103	51.5	44.25	-	90	-	-	100	-	6	-	6
4140	70	59.81	-	110	-	-	125	-	4	-	3
4168	84	71.44	-	125	-	-	150	-	3	-	2
4208	104	86.89	-	175	-	-	200	-	2	-	1
4250	125	117.67	-	200	-	-	250	-	2/0	-	2/0
4302	151	145.65	-	250	-	-	300	-	3/0	-	3/0
4371	185.5	174.17	-	Not Allowed	-	-	350	-	250	-	250
4414	207	202.55	-	Not Allowed	-	-	400	-	1/0 × 2P	-	1/0 × 2P or 300
4477	238.5	232.26	-	Not Allowed	-	-	450	-	2/0 × 2P	-	1/0 × 2P or 300
4568	257.5	258.88	-	Not Allowed	-	-	500	-	2/0 × 2P	-	2/0 × 2P
4605	302.5	287.07	-	Not Allowed	-	-	600	-	3/0 × 2P	-	3/0 × 2P
4720	360	346.16	-	Not Allowed	-	-	700	-	4/0 × 2P	-	250 × 2P
4810	405	402.96	-	Not Allowed	-	-	800	-	300 × 2P or 2/0 × 4P	-	300 × 2P or 2/0 × 4P
4930	465	459.67	-	Not Allowed	-	-	900	-	3/0 × 4P	-	3/0 × 4P
4H11	545	516.33	-	Not Allowed	-	-	1000	-	4/0 × 4P	-	250 × 4P
4H12	600	572.92	-	Not Allowed	-	-	1200	-	4/0 × 4P	-	250 × 4P

*1 UL508A does not allow parallel conductors smaller than 1/0 AWG.

■ Three-Phase 600 V

Table 2.23 100% Ratings for GA800 AC Drives (Three-Phase 600 V)

Drive Model			Protection					Cable Sizing ^{*/}			
Drive Model	Drive Rated Output Current [Arms]	Drive Rated Input Current [Arms]	Class CC, J, or T Fuse (GA800 manual)	Class CC, J, or T Fuse (Max Allow)	Semiconductor Fuse (GA800 Manual)	MCCB (GA800 Manual)	MCCB (Max Allow)	Input Cable (GA800 Manual) [AWG]	Input Cable @ 125% Rated Current [AWG]	Motor Cable (GA800 Manual) [AWG]	Motor Cable @ 125% Rated Current [AWG]
5002	1.7	1.70	2.5	2.5	FWP-70B	-	10	14	14	14	14
5003	2.7	3.10	4.5	4.5	FWP-70B	-	10	14	14	14	14
5004	3.9	4.40	6	6	FWP-70B	-	10	14	14	14	14
5006	6.1	7.20	10	10	FWP-70B	-	10	14	14	14	14

Drive Model			Protection					Cable Sizing ^{*/}			
Drive Model	Drive Rated Output Current [Arms]	Drive Rated Input Current [Arms]	Class CC, J, or T Fuse (GA800 manual)	Class CC, J, or T Fuse (Max Allow)	Semiconductor Fuse (GA800 Manual)	MCCB (GA800 Manual)	MCCB (Max Allow)	Input Cable (GA800 Manual) [AWG]	Input Cable @ 125% Rated Current [AWG]	Motor Cable (GA800 Manual) [AWG]	Motor Cable @ 125% Rated Current [AWG]
5009	9	11.00	15	15	FWP-70B	-	15	14	14	14	14
5011	11	14.00	17.5	17.5	FWP-70B	-	20	12	12	14	14
5017	17	20.00	25	25	FWP-100B	-	30	10	10	10	10
5022	22	27.00	35	35	FWP-100B	-	40	8	8	10	10
5027	27	33.00	45	45	FWP-125A	-	50	8	8	8	8
5032	32	39.00	50	50	FWP-125A	-	60	8	8	8	8
5041	41	39.00	70	70	FWP-150A	-	80	6	6	6	6
5052	52	47.00	90	90	FWP-150A	-	100	6	6	6	6
5062	62	57.00	-	-	FWP-150A	-	110	2	2	2	2
5077	77	71.00	-	-	FWP-150A	-	150	2	2	2	2
5099	99	94.00	-	-	FWP-150A	-	175	1	1	1	1
5125	125	116.00	-	-	A070UD31L 1250	-	250	1/0	1/0	2/0	2/0
5144	144	139.00	-	-	A070UD31L 1250	-	250	2/0	2/0	3/0	3/0
5192	192	185.00	-	-	A070UD32L 1315	-	350	250	250	250	250
5242	242	230.00	-	-	A070UD32L 1350	-	450	2/0 × 2P	2/0 × 2P	2/0 × 2P	2/0 × 2P
5289	289	276.00	-	-	A070UD32L 1400	-	500	2/0 × 2P	2/0 × 2P	3/0 × 2P	3/0 × 2P
5382	382	365.00	-	-	FWP-600A	-	700	4/0 × 2P	4/0 × 2P	250 × 2P	250 × 2P
5412	412	410.00	-	-	FWP-600A	-	800	2/0 × 4P	300 × 2P or 2/0 × 4P	2/0 × 4P	300 × 2P or 2/0 × 4P
5472	472	458.00	-	-	FWP-700A	-	900	3/0 × 4P	3/0 × 4P	3/0 × 4P	3/0 × 4P

*1 UL508A does not allow parallel conductors smaller than 1/0 AWG.

Table 2.24 95% Ratings for GA800 AC Drives (Three-Phase 600 V)

Drive Model			Protection					Cable Sizing ^{*/}			
Drive Model	Drive Rated Output Current [Arms]	Drive Rated Input Current [Arms]	Class CC, J, or T Fuse (GA800 manual)	Class CC, J, or T Fuse (Max Allow)	Semiconductor Fuse (GA800 Manual)	MCCB (GA800 Manual)	MCCB (Max Allow)	Input Cable (GA800 Manual) [AWG]	Input Cable @ 125% Rated Current [AWG]	Motor Cable (GA800 Manual) [AWG]	Motor Cable @ 125% Rated Current [AWG]
5002	1.615	1.62	-	2	-	-	10	-	14	-	14
5003	2.565	2.96	-	4	-	-	10	-	14	-	14
5004	3.705	4.22	-	6	-	-	10	-	14	-	14
5006	5.795	6.85	-	10	-	-	10	-	14	-	14
5009	8.55	10.48	-	12	-	-	15	-	14	-	14
5011	10.45	13.36	-	17.5	-	-	20	-	12	-	14
5017	16.15	19.27	-	25	-	-	30	-	10	-	10
5022	20.9	25.96	-	35	-	-	40	-	8	-	10
5027	25.65	32.60	-	40	-	-	50	-	8	-	8
5032	30.4	37.57	-	50	-	-	60	-	8	-	8
5041	38.95	38.80	-	60	-	-	75	-	8	-	8
5052	49.4	44.93	-	80	-	-	90	-	6	-	6

2 Multiple Ratings for GA800 AC Drives

Drive Model			Protection					Cable Sizing ^{*/}			
Drive Model	Drive Rated Output Current [Arms]	Drive Rated Input Current [Arms]	Class CC, J, or T Fuse (GA800 manual)	Class CC, J, or T Fuse (Max Allow)	Semiconductor Fuse (GA800 Manual)	MCCB (GA800 Manual)	MCCB (Max Allow)	Input Cable (GA800 Manual) [AWG]	Input Cable @ 125% Rated Current [AWG]	Motor Cable (GA800 Manual) [AWG]	Motor Cable @ 125% Rated Current [AWG]
5062	58.9	54.36	-	-	-	-	110	-	2	-	2
5077	73.15	67.51	-	-	-	-	125	-	2	-	2
5099	94.05	89.52	-	-	-	-	175	-	1	-	1
5125	118.75	110.51	-	-	-	-	225	-	1/0	-	2/0
5144	136.8	132.61	-	-	-	-	250	-	2/0	-	2/0
5192	182.4	175.81	-	-	-	-	350	-	250	-	250
5242	229.9	218.54	-	-	-	-	450	-	1/0 × 2P	-	1/0 × 2P or 300
5289	274.55	262.28	-	-	-	-	500	-	2/0 × 2P	-	3/0 × 2P
5382	362.9	347.30	-	-	-	-	700	-	4/0 × 2P	-	250 × 2P
5412	391.4	389.80	-	-	-	-	700	-	250 × 2P	-	250 × 2P
5472	448.4	435.70	-	-	-	-	800	-	300 × 2P or 2/0 × 4P	-	3/0 × 4P

*1 UL508A does not allow parallel conductors smaller than 1/0 AWG.

Table 2.25 90% Ratings for GA800 AC Drives (Three-Phase 600 V)

Drive Model			Protection					Cable Sizing ^{*/}			
Drive Model	Drive Rated Output Current [Arms]	Drive Rated Input Current [Arms]	Class CC, J, or T Fuse (GA800 manual)	Class CC, J, or T Fuse (Max Allow)	Semiconductor Fuse (GA800 Manual)	MCCB (GA800 Manual)	MCCB (Max Allow)	Input Cable (GA800 Manual) [AWG]	Input Cable @ 125% Rated Current [AWG]	Motor Cable (GA800 Manual) [AWG]	Motor Cable @ 125% Rated Current [AWG]
5002	1.53	1.53	-	2	-	-	10	-	14	-	14
5003	2.43	2.82	-	4	-	-	10	-	14	-	14
5004	3.51	4.01	-	6	-	-	10	-	14	-	14
5006	5.49	6.51	-	9	-	-	10	-	14	-	14
5009	8.1	9.92	-	12	-	-	15	-	14	-	14
5011	9.9	12.69	-	15	-	-	15	-	12	-	14
5017	15.3	18.30	-	25	-	-	30	-	10	-	12
5022	19.8	24.64	-	30	-	-	35	-	8	-	10
5027	24.3	30.95	-	40	-	-	45	-	8	-	8
5032	28.8	35.65	-	50	-	-	50	-	8	-	8
5041	36.9	36.82	-	60	-	-	60	-	8	-	8
5052	46.8	42.63	-	80	-	-	90	-	6	-	6
5062	55.8	51.57	-	-	-	-	110	-	2	-	2
5077	69.3	63.90	-	-	-	-	125	-	2	-	2
5099	89.1	84.91	-	-	-	-	175	-	2	-	2
5125	112.5	104.81	-	-	-	-	225	-	1/0	-	1/0
5144	129.6	125.76	-	-	-	-	250	-	2/0	-	2/0
5192	172.8	166.62	-	-	-	-	300	-	4/0	-	4/0
5242	217.8	207.21	-	-	-	-	400	-	1/0 × 2P	-	1/0 × 2P or 300
5289	260.1	248.54	-	-	-	-	500	-	2/0 × 2P	-	2/0 × 2P
5382	343.8	329.26	-	-	-	-	600	-	4/0 × 2P	-	4/0 × 2P

Drive Model			Protection					Cable Sizing ^{*/}			
Drive Model	Drive Rated Output Current [Arms]	Drive Rated Input Current [Arms]	Class CC, J, or T Fuse (GA800 manual)	Class CC, J, or T Fuse (Max Allow)	Semiconductor Fuse (GA800 Manual)	MCCB (GA800 Manual)	MCCB (Max Allow)	Input Cable (GA800 Manual) [AWG]	Input Cable @ 125% Rated Current [AWG]	Motor Cable (GA800 Manual) [AWG]	Motor Cable @ 125% Rated Current [AWG]
5412	370.8	369.55	-	-	-	-	700	-	250 × 2P	-	250 × 2P
5472	424.8	413.06	-	-	-	-	800	-	300 × 2P or 2/0 × 4P	-	300 × 2P or 2/0 × 4P

*1 UL508A does not allow parallel conductors smaller than 1/0 AWG.

Table 2.26 85% Ratings for GA800 AC Drives (Three-Phase 600 V)

Drive Model			Protection					Cable Sizing ^{*/}			
Drive Model	Drive Rated Output Current [Arms]	Drive Rated Input Current [Arms]	Class CC, J, or T Fuse (GA800 manual)	Class CC, J, or T Fuse (Max Allow)	Semiconductor Fuse (GA800 Manual)	MCCB (GA800 Manual)	MCCB (Max Allow)	Input Cable (GA800 Manual) [AWG]	Input Cable @ 125% Rated Current [AWG]	Motor Cable (GA800 Manual) [AWG]	Motor Cable @ 125% Rated Current [AWG]
5002	1.445	1.45	-	2	-	-	10	-	14	-	14
5003	2.295	2.68	-	4	-	-	10	-	14	-	14
5004	3.315	3.80	-	5	-	-	10	-	14	-	14
5006	5.185	6.17	-	9	-	-	10	-	14	-	14
5009	7.65	9.37	-	12	-	-	15	-	14	-	14
5011	9.35	12.02	-	15	-	-	15	-	12	-	14
5017	14.45	17.32	-	25	-	-	25	-	10	-	12
5022	18.7	23.32	-	30	-	-	35	-	10	-	10
5027	22.95	29.29	-	40	-	-	45	-	8	-	10
5032	27.2	33.74	-	45	-	-	50	-	8	-	8
5041	34.85	34.83	-	60	-	-	60	-	8	-	8
5052	44.2	40.33	-	70	-	-	80	-	6	-	6
5062	52.7	48.78	-	-	-	-	100	-	2	-	2
5077	65.45	60.37	-	-	-	-	125	-	2	-	2
5099	84.15	80.30	-	-	-	-	150	-	2	-	2
5125	106.25	99.11	-	-	-	-	200	-	1	-	1/0
5144	122.4	118.91	-	-	-	-	225	-	2/0	-	2/0
5192	163.2	157.35	-	-	-	-	300	-	4/0	-	4/0
5242	205.7	195.67	-	-	-	-	400	-	250	-	1/0 × 2P or 300
5289	245.65	234.94	-	-	-	-	450	-	2/0 × 2P	-	2/0 × 2P
5382	324.7	311.22	-	-	-	-	600	-	4/0 × 2P	-	4/0 × 2P
5412	350.2	349.29	-	-	-	-	700	-	4/0 × 2P	-	4/0 × 2P
5472	401.2	390.41	-	-	-	-	800	-	250 × 2P	-	300 × 2P or 2/0 × 4P

*1 UL508A does not allow parallel conductors smaller than 1/0 AWG.

Table 2.27 80% Ratings for GA800 AC Drives (Three-Phase 600 V)

Drive Model			Protection					Cable Sizing ^{*1}			
Drive Model	Drive Rated Output Current [Arms]	Drive Rated Input Current [Arms]	Class CC, J, or T Fuse (GA800 manual)	Class CC, J, or T Fuse (Max Allow)	Semiconductor Fuse (GA800 Manual)	MCCB (GA800 Manual)	MCCB (Max Allow)	Input Cable (GA800 Manual) [AWG]	Input Cable @ 125% Rated Current [AWG]	Motor Cable (GA800 Manual) [AWG]	Motor Cable @ 125% Rated Current [AWG]
5002	1.36	1.36	-	2	-	-	10	-	14	-	14
5003	2.16	2.54	-	3	-	-	10	-	14	-	14
5004	3.12	3.60	-	5	-	-	10	-	14	-	14
5006	4.88	5.83	-	8	-	-	10	-	14	-	14
5009	7.2	8.82	-	12	-	-	10	-	14	-	14
5011	8.8	11.35	-	15	-	-	15	-	14	-	14
5017	13.6	16.35	-	20	-	-	25	-	10	-	12
5022	17.6	22.00	-	30	-	-	35	-	10	-	10
5027	21.6	27.62	-	35	-	-	40	-	8	-	10
5032	25.6	31.82	-	40	-	-	50	-	8	-	8
5041	32.8	32.85	-	50	-	-	60	-	8	-	8
5052	41.6	38.02	-	70	-	-	80	-	8	-	6
5062	49.6	45.99	-	-	-	-	90	-	2	-	2
5077	61.6	56.90	-	-	-	-	110	-	2	-	2
5099	79.2	75.68	-	-	-	-	150	-	2	-	2
5125	100	93.40	-	-	-	-	200	-	1	-	1
5144	115.2	112.05	-	-	-	-	225	-	1/0	-	1/0
5192	153.6	148.25	-	-	-	-	300	-	3/0	-	3/0
5242	193.6	184.35	-	-	-	-	350	-	250	-	1/0 × 2P or 300
5289	231.2	221.33	-	-	-	-	450	-	1/0 × 2P	-	1/0 × 2P or 300
5382	305.6	293.17	-	-	-	-	600	-	4/0 × 2P	-	3/0 × 2P
5412	329.6	329.02	-	-	-	-	600	-	4/0 × 2P	-	4/0 × 2P
5472	377.6	367.74	-	-	-	-	700	-	250 × 2P	-	250 × 2P

*1 UL508A does not allow parallel conductors smaller than 1/0 AWG.

Table 2.28 75% Ratings for GA800 AC Drives (Three-Phase 600 V)

Drive Model			Protection					Cable Sizing ^{*1}			
Drive Model	Drive Rated Output Current [Arms]	Drive Rated Input Current [Arms]	Class CC, J, or T Fuse (GA800 manual)	Class CC, J, or T Fuse (Max Allow)	Semiconductor Fuse (GA800 Manual)	MCCB (GA800 Manual)	MCCB (Max Allow)	Input Cable (GA800 Manual) [AWG]	Input Cable @ 125% Rated Current [AWG]	Motor Cable (GA800 Manual) [AWG]	Motor Cable @ 125% Rated Current [AWG]
5002	1.275	1.29	-	2	-	-	10	-	14	-	14
5003	2.025	2.39	-	3	-	-	10	-	14	-	14
5004	2.925	3.39	-	5	-	-	10	-	14	-	14
5006	4.575	5.49	-	8	-	-	10	-	14	-	14
5009	6.75	8.27	-	10	-	-	10	-	14	-	14
5011	8.25	10.67	-	12	-	-	15	-	14	-	14
5017	12.75	15.37	-	20	-	-	25	-	12	-	12
5022	16.5	20.68	-	25	-	-	30	-	10	-	10
5027	20.25	25.96	-	35	-	-	40	-	8	-	10

Drive Model			Protection					Cable Sizing ^{*/}			
Drive Model	Drive Rated Output Current [Arms]	Drive Rated Input Current [Arms]	Class CC, J, or T Fuse (GA800 manual)	Class CC, J, or T Fuse (Max Allow)	Semiconductor Fuse (GA800 Manual)	MCCB (GA800 Manual)	MCCB (Max Allow)	Input Cable (GA800 Manual) [AWG]	Input Cable @ 125% Rated Current [AWG]	Motor Cable (GA800 Manual) [AWG]	Motor Cable @ 125% Rated Current [AWG]
5032	24	29.90	-	40	-	-	45	-	8	-	8
5041	30.75	30.85	-	50	-	-	60	-	8	-	8
5052	39	35.71	-	60	-	-	75	-	8	-	8
5062	46.5	43.19	-	-	-	-	90	-	2	-	2
5077	57.75	53.43	-	-	-	-	110	-	2	-	2
5099	74.25	71.05	-	-	-	-	125	-	2	-	2
5125	93.75	87.68	-	-	-	-	175	-	1	-	1
5144	108	105.18	-	-	-	-	200	-	1/0	-	1/0
5192	144	139.15	-	-	-	-	250	-	3/0	-	3/0
5242	181.5	173.02	-	-	-	-	350	-	250	-	250
5289	216.75	207.71	-	-	-	-	400	-	1/0 × 2P	-	1/0 × 2P or 300
5382	286.5	275.11	-	-	-	-	500	-	2/0 × 2P	-	3/0 × 2P
5412	309	308.74	-	-	-	-	600	-	4/0 × 2P	-	3/0 × 2P
5472	354	345.06	-	-	-	-	700	-	4/0 × 2P	-	4/0 × 2P

*1 UL508A does not allow parallel conductors smaller than 1/0 AWG.

Table 2.29 70% Ratings for GA800 AC Drives (Three-Phase 600 V)

Drive Model			Protection					Cable Sizing ^{*/}			
Drive Model	Drive Rated Output Current [Arms]	Drive Rated Input Current [Arms]	Class CC, J, or T Fuse (GA800 manual)	Class CC, J, or T Fuse (Max Allow)	Semiconductor Fuse (GA800 Manual)	MCCB (GA800 Manual)	MCCB (Max Allow)	Input Cable (GA800 Manual) [AWG]	Input Cable @ 125% Rated Current [AWG]	Motor Cable (GA800 Manual) [AWG]	Motor Cable @ 125% Rated Current [AWG]
5002	1.19	1.21	-	2	-	-	10	-	14	-	14
5003	1.89	2.25	-	3	-	-	10	-	14	-	14
5004	2.73	3.18	-	4.5	-	-	10	-	14	-	14
5006	4.27	5.15	-	7	-	-	10	-	14	-	14
5009	6.3	7.71	-	10	-	-	10	-	14	-	14
5011	7.7	10.00	-	12	-	-	15	-	14	-	14
5017	11.9	14.39	-	20	-	-	20	-	12	-	14
5022	15.4	19.36	-	25	-	-	30	-	10	-	10
5027	18.9	24.29	-	30	-	-	35	-	8	-	10
5032	22.4	27.97	-	35	-	-	40	-	8	-	10
5041	28.7	28.86	-	50	-	-	50	-	8	-	8
5052	36.4	33.40	-	60	-	-	60	-	8	-	8
5062	43.4	40.39	-	-	-	-	80	-	2	-	2
5077	53.9	49.96	-	-	-	-	100	-	2	-	2
5099	69.3	66.42	-	-	-	-	125	-	2	-	2
5125	87.5	81.96	-	-	-	-	175	-	2	-	2
5144	100.8	98.31	-	-	-	-	200	-	1	-	1
5192	134.4	130.04	-	-	-	-	250	-	2/0	-	2/0
5242	169.4	161.68	-	-	-	-	300	-	4/0	-	4/0

2 Multiple Ratings for GA800 AC Drives

Drive Model			Protection					Cable Sizing ^{*/}			
Drive Model	Drive Rated Output Current [Arms]	Drive Rated Input Current [Arms]	Class CC, J, or T Fuse (GA800 manual)	Class CC, J, or T Fuse (Max Allow)	Semiconductor Fuse (GA800 Manual)	MCCB (GA800 Manual)	MCCB (Max Allow)	Input Cable (GA800 Manual) [AWG]	Input Cable @ 125% Rated Current [AWG]	Motor Cable (GA800 Manual) [AWG]	Motor Cable @ 125% Rated Current [AWG]
5289	202.3	194.09	-	-	-	-	400	-	250	-	1/0 × 2P or 300
5382	267.4	257.04	-	-	-	-	500	-	2/0 × 2P	-	2/0 × 2P
5412	288.4	288.45	-	-	-	-	500	-	3/0 × 2P	-	3/0 × 2P
5472	330.4	322.36	-	-	-	-	600	-	4/0 × 2P	-	4/0 × 2P

*1 UL508A does not allow parallel conductors smaller than 1/0 AWG.

Table 2.30 65% Ratings for GA800 AC Drives (Three-Phase 600 V)

Drive Model			Protection					Cable Sizing ^{*/}			
Drive Model	Drive Rated Output Current [Arms]	Drive Rated Input Current [Arms]	Class CC, J, or T Fuse (GA800 manual)	Class CC, J, or T Fuse (Max Allow)	Semiconductor Fuse (GA800 Manual)	MCCB (GA800 Manual)	MCCB (Max Allow)	Input Cable (GA800 Manual) [AWG]	Input Cable @ 125% Rated Current [AWG]	Motor Cable (GA800 Manual) [AWG]	Motor Cable @ 125% Rated Current [AWG]
5002	1.105	1.14	-	1	-	-	10	-	14	-	14
5003	1.755	2.10	-	3	-	-	10	-	14	-	14
5004	2.535	2.97	-	4	-	-	10	-	14	-	14
5006	3.965	4.80	-	6	-	-	10	-	14	-	14
5009	5.85	7.16	-	10	-	-	10	-	14	-	14
5011	7.15	9.32	-	12	-	-	10	-	14	-	14
5017	11.05	13.41	-	17.5	-	-	20	-	12	-	14
5022	14.3	18.03	-	25	-	-	25	-	10	-	12
5027	17.55	22.62	-	30	-	-	35	-	10	-	10
5032	20.8	26.05	-	35	-	-	40	-	8	-	10
5041	26.65	26.87	-	45	-	-	50	-	8	-	8
5052	33.8	31.08	-	50	-	-	60	-	8	-	8
5062	40.3	37.58	-	-	-	-	80	-	2	-	2
5077	50.05	46.48	-	-	-	-	100	-	2	-	2
5099	64.35	61.79	-	-	-	-	125	-	2	-	2
5125	81.25	76.23	-	-	-	-	150	-	3	-	2
5144	93.6	91.43	-	-	-	-	175	-	1	-	1
5192	124.8	120.93	-	-	-	-	225	-	2/0	-	2/0
5242	157.3	150.33	-	-	-	-	300	-	3/0	-	4/0
5289	187.85	180.45	-	-	-	-	350	-	250	-	250
5382	248.3	238.95	-	-	-	-	450	-	2/0 × 2P	-	2/0 × 2P
5412	267.8	268.14	-	-	-	-	500	-	2/0 × 2P	-	2/0 × 2P
5472	306.8	299.65	-	-	-	-	600	-	4/0 × 2P	-	3/0 × 2P

*1 UL508A does not allow parallel conductors smaller than 1/0 AWG.

Table 2.31 60% Ratings for GA800 AC Drives (Three-Phase 600 V)

Drive Model			Protection					Cable Sizing ^{*/}			
Drive Model	Drive Rated Output Current [Arms]	Drive Rated Input Current [Arms]	Class CC, J, or T Fuse (GA800 manual)	Class CC, J, or T Fuse (Max Allow)	Semiconductor Fuse (GA800 Manual)	MCCB (GA800 Manual)	MCCB (Max Allow)	Input Cable (GA800 Manual) [AWG]	Input Cable @ 125% Rated Current [AWG]	Motor Cable (GA800 Manual) [AWG]	Motor Cable @ 125% Rated Current [AWG]
5002	1.02	1.06	-	1	-	-	10	-	14	-	14
5003	1.62	1.96	-	2	-	-	10	-	14	-	14
5004	2.34	2.76	-	4	-	-	10	-	14	-	14
5006	3.66	4.46	-	6	-	-	10	-	14	-	14
5009	5.4	6.60	-	9	-	-	10	-	14	-	14
5011	6.6	8.64	-	10	-	-	10	-	14	-	14
5017	10.2	12.42	-	17.5	-	-	20	-	12	-	14
5022	13.2	16.70	-	20	-	-	25	-	10	-	12
5027	16.2	20.95	-	25	-	-	30	-	10	-	10
5032	19.2	24.11	-	30	-	-	35	-	8	-	10
5041	24.6	24.87	-	40	-	-	45	-	8	-	8
5052	31.2	28.76	-	50	-	-	60	-	8	-	8
5062	37.2	34.77	-	-	-	-	60	-	2	-	2
5077	46.2	43.00	-	-	-	-	90	-	2	-	2
5099	59.4	57.15	-	-	-	-	110	-	2	-	2
5125	75	70.50	-	-	-	-	150	-	3	-	3
5144	86.4	84.54	-	-	-	-	150	-	2	-	2
5192	115.2	111.80	-	-	-	-	225	-	1/0	-	1/0
5242	145.2	138.97	-	-	-	-	250	-	2/0	-	3/0
5289	173.4	166.80	-	-	-	-	300	-	4/0	-	4/0
5382	229.2	220.85	-	-	-	-	450	-	1/0 × 2P	-	1/0 × 2P or 300
5412	247.2	247.81	-	-	-	-	450	-	2/0 × 2P	-	2/0 × 2P
5472	283.2	276.93	-	-	-	-	500	-	3/0 × 2P	-	3/0 × 2P

*1 UL508A does not allow parallel conductors smaller than 1/0 AWG.

Table 2.32 55% Ratings for GA800 AC Drives (Three-Phase 600 V)

Drive Model			Protection					Cable Sizing ^{*/}			
Drive Model	Drive Rated Output Current [Arms]	Drive Rated Input Current [Arms]	Class CC, J, or T Fuse (GA800 manual)	Class CC, J, or T Fuse (Max Allow)	Semiconductor Fuse (GA800 Manual)	MCCB (GA800 Manual)	MCCB (Max Allow)	Input Cable (GA800 Manual) [AWG]	Input Cable @ 125% Rated Current [AWG]	Motor Cable (GA800 Manual) [AWG]	Motor Cable @ 125% Rated Current [AWG]
5002	0.935	0.99	-	1	-	-	10	-	14	-	14
5003	1.485	1.81	-	2	-	-	10	-	14	-	14
5004	2.145	2.55	-	3	-	-	10	-	14	-	14
5006	3.355	4.11	-	5	-	-	10	-	14	-	14
5009	4.95	6.06	-	8	-	-	10	-	14	-	14
5011	6.05	7.96	-	10	-	-	10	-	14	-	14
5017	9.35	11.44	-	15	-	-	15	-	14	-	14
5022	12.1	15.37	-	20	-	-	20	-	12	-	12
5027	14.85	19.27	-	25	-	-	25	-	10	-	12

2 Multiple Ratings for GA800 AC Drives

Drive Model			Protection					Cable Sizing ^{*/}			
Drive Model	Drive Rated Output Current [Arms]	Drive Rated Input Current [Arms]	Class CC, J, or T Fuse (GA800 manual)	Class CC, J, or T Fuse (Max Allow)	Semiconductor Fuse (GA800 Manual)	MCCB (GA800 Manual)	MCCB (Max Allow)	Input Cable (GA800 Manual) [AWG]	Input Cable @ 125% Rated Current [AWG]	Motor Cable (GA800 Manual) [AWG]	Motor Cable @ 125% Rated Current [AWG]
5032	17.6	22.18	-	30	-	-	35	-	10	-	10
5041	22.55	22.86	-	35	-	-	45	-	10	-	10
5052	28.6	26.44	-	50	-	-	50	-	8	-	8
5062	34.1	31.96	-	-	-	-	60	-	2	-	2
5077	42.35	39.52	-	-	-	-	80	-	2	-	2
5099	54.45	52.50	-	-	-	-	100	-	2	-	2
5125	68.75	64.76	-	-	-	-	125	-	3	-	3
5144	79.2	77.65	-	-	-	-	150	-	3	-	3
5192	105.6	102.67	-	-	-	-	200	-	1/0	-	1/0
5242	133.1	127.60	-	-	-	-	250	-	2/0	-	2/0
5289	158.95	153.14	-	-	-	-	300	-	3/0	-	4/0
5382	210.1	202.73	-	-	-	-	400	-	1/0 × 2P	-	1/0 × 2P or 300
5412	226.6	227.47	-	-	-	-	450	-	1/0 × 2P	-	1/0 × 2P or 300
5472	259.6	254.18	-	-	-	-	500	-	2/0 × 2P	-	2/0 × 2P

*1 UL508A does not allow parallel conductors smaller than 1/0 AWG.

Table 2.33 50% Ratings for GA800 AC Drives (Three-Phase 600 V)

Drive Model			Protection					Cable Sizing ^{*/}			
Drive Model	Drive Rated Output Current [Arms]	Drive Rated Input Current [Arms]	Class CC, J, or T Fuse (GA800 manual)	Class CC, J, or T Fuse (Max Allow)	Semiconductor Fuse (GA800 Manual)	MCCB (GA800 Manual)	MCCB (Max Allow)	Input Cable (GA800 Manual) [AWG]	Input Cable @ 125% Rated Current [AWG]	Motor Cable (GA800 Manual) [AWG]	Motor Cable @ 125% Rated Current [AWG]
5002	0.85	0.91	-	1	-	-	10	-	14	-	14
5003	1.35	1.66	-	2	-	-	10	-	14	-	14
5004	1.95	2.34	-	3	-	-	10	-	14	-	14
5006	3.05	3.77	-	5	-	-	10	-	14	-	14
5009	4.5	5.53	-	7	-	-	10	-	14	-	14
5011	5.5	7.28	-	9	-	-	10	-	14	-	14
5017	8.5	10.45	-	12	-	-	15	-	14	-	14
5022	11	14.03	-	17.5	-	-	20	-	12	-	14
5027	13.5	17.59	-	20	-	-	25	-	10	-	12
5032	16	20.24	-	25	-	-	30	-	10	-	10
5041	20.5	20.86	-	35	-	-	40	-	10	-	10
5052	26	24.11	-	45	-	-	50	-	8	-	8
5062	31	29.14	-	-	-	-	60	-	2	-	2
5077	38.5	36.02	-	-	-	-	75	-	2	-	2
5099	49.5	47.85	-	-	-	-	90	-	2	-	2
5125	62.5	59.01	-	-	-	-	125	-	4	-	4
5144	72	70.74	-	-	-	-	125	-	3	-	3
5192	96	93.52	-	-	-	-	175	-	1	-	1

Drive Model			Protection					Cable Sizing ^{*/}			
Drive Model	Drive Rated Output Current [Arms]	Drive Rated Input Current [Arms]	Class CC, J, or T Fuse (GA800 manual)	Class CC, J, or T Fuse (Max Allow)	Semiconductor Fuse (GA800 Manual)	MCCB (GA800 Manual)	MCCB (Max Allow)	Input Cable (GA800 Manual) [AWG]	Input Cable @ 125% Rated Current [AWG]	Motor Cable (GA800 Manual) [AWG]	Motor Cable @ 125% Rated Current [AWG]
5242	121	116.21	-	-	-	-	225	-	2/0	-	2/0
5289	144.5	139.46	-	-	-	-	250	-	3/0	-	3/0
5382	191	184.59	-	-	-	-	350	-	250	-	250
5412	206	207.11	-	-	-	-	400	-	1/0 × 2P	-	1/0 × 2P or 300
5472	236	231.42	-	-	-	-	450	-	2/0 × 2P	-	1/0 × 2P or 300

*1 UL508A does not allow parallel conductors smaller than 1/0 AWG.

■ 12 Pulse, Three-Phase 480 V

Table 2.34 100% Ratings for 12 Pulse, GA800 AC Drives (Three-Phase 480 V)

Drive Model			Protection	Cable Sizing ^{*/}			
Drive Model	Drive Rated Output Current [Arms]	Drive Rated Input Current [Arms]	Semiconductor Fuse (GA800 Manual)	Input Cable (GA800 Manual) [AWG]	Input Cable @ 125% Rated Current [AWG]	Motor Cable (GA800 Manual) [AWG]	Motor Cable @ 125% Rated Current [AWG]
T103	103	87.00	FWH-200B	4 x 1P (x 2)	4 x 1P (x 2)	1	1
T140	140	118.00	FWH-225A	3 x 1P (x 2)	3 x 1P (x 2)	2/0	2/0
T168	168	141.00	FWH-225A	1 x 1P (x 2)	1 x 1P (x 2)	4/0	4/0
T208	208	171.00	FWH-275A	1/0 x 1P (x 2)	1/0 x 1P (x 2)	1/0 x 2P	1/0 x 2P or 300
T250	250	232.00	FWH-300A	2/0 x 1P (x 2)	2/0 x 1P (x 2)	2/0 x 2P	2/0 x 2P
T302	302	289.00	FWH-350A	4/0 x 1P (x 2)	4/0 x 1P (x 2)	3/0 x 2P	3/0 x 2P
T371	371	346.00	FWH-400A	250 x 1P (x 2)	250 x 1P (x 2)	250 x 2P	250 x 2P
T414	414	403.00	FWH-450A	300 x 1P (x 2)	300 x 1P (x 2)	300 x 2P	300 x 2P or 2/0 x 4P
T477	477	460.00	FWH-600A	2/0 x 2P (x 2)	2/0 x 2P (x 2)	4/0 x 4P	4/0 x 4P
T568	568	516.00	FWH-600A	3/0 x 2P (x 2)	3/0 x 2P (x 2)	4/0 x 4P	4/0 x 4P
T605	605	573.00	FWH-800A	4/0 x 2P (x 2)	4/0 x 2P (x 2)	300 x 4P	300 x 4P
T720	720	686.00	FWH-800A	250 x 2P (x 2)	250 x 2P (x 2)	300 x 4P	300 x 4P
T810	810	799.00	FWH-1000B	2/0 x 4P (x 2)	2/0 x 4P (x 2)	3/0 x 4P x 2	3/0 x 8P
T930	930	912.00	FWH-1000B	3/0 x 4P (x 2)	3/0 x 4P (x 2)	4/0 x 4P x 2	4/0 x 8P
TH11	1090	1024.00	FWH-1200B	4/0 x 4P (x 2)	4/0 x 4P (x 2)	250 x 4P x 2	250 x 8P
TH12	1200	1137.00	FWH-1200B	4/0 x 4P (x 2)	4/0 x 4P (x 2)	300 x 4P x 2	300 x 8P

*1 UL508A does not allow parallel conductors smaller than 1/0 AWG.

Table 2.35 95% Ratings for 12 Pulse, GA800 AC Drives (Three-Phase 480 V)

Drive Model			Protection	Cable Sizing ^{*/}			
Drive Model	Drive Rated Output Current [Arms]	Drive Rated Input Current [Arms]	Semiconductor Fuse (GA800 Manual)	Input Cable (GA800 Manual) [AWG]	Input Cable @ 125% Rated Current [AWG]	Motor Cable (GA800 Manual) [AWG]	Motor Cable @ 125% Rated Current [AWG]
T103	97.85	84.11	-	-	6 x 1P (x 2)	-	1
T140	133	112.16	-	-	3 x 1P (x 2)	-	2/0
T168	159.6	138.14	-	-	3 x 1P (x 2)	-	4/0
T208	197.6	164.31	-	-	1/0 x 1P (x 2)	-	1/0 x 2P or 300
T250	237.5	220.84	-	-	1/0 x 1P (x 2)	-	1/0 x 2P or 300

2 Multiple Ratings for GA800 AC Drives

Drive Model			Protection	Cable Sizing ^{*/}			
Drive Model	Drive Rated Output Current [Arms]	Drive Rated Input Current [Arms]	Semiconductor Fuse (GA800 Manual)	Input Cable (GA800 Manual) [AWG]	Input Cable @ 125% Rated Current [AWG]	Motor Cable (GA800 Manual) [AWG]	Motor Cable @ 125% Rated Current [AWG]
T302	286.9	274.70	-	-	2/0 x 1P (x 2)	-	3/0 x 2P
T371	352.45	328.78	-	-	4/0 x 1P (x 2)	-	4/0 x 2P
T414	393.3	383.06	-	-	250 x 1P (x 2)	-	250 x 2P
T477	453.15	437.03	-	-	2/0 x 2P (x 2)	-	3/0 x 4P
T568	539.6	490.52	-	-	3/0 x 2P (x 2)	-	4/0 x 4P
T605	574.75	544.48	-	-	4/0 x 2P (x 2)	-	250 x 4P
T720	684	651.77	-	-	250 x 2P (x 2)	-	300 x 4P
T810	769.5	759.38	-	-	2/0 x 4P (x 2)	-	3/0 x 8P
T930	883.5	866.56	-	-	3/0 x 4P (x 2)	-	4/0 x 8P
TH11	1035.5	973.65	-	-	4/0 x 4P (x 2)	-	250 x 8P
TH12	1140	1080.64	-	-	4/0 x 4P (x 2)	-	300 x 8P

*1 UL508A does not allow parallel conductors smaller than 1/0 AWG.

Table 2.36 90% Ratings for 12 Pulse, GA800 AC Drives (Three-Phase 480 V)

Drive Model			Protection	Cable Sizing ^{*/}			
Drive Model	Drive Rated Output Current [Arms]	Drive Rated Input Current [Arms]	Semiconductor Fuse (GA800 Manual)	Input Cable (GA800 Manual) [AWG]	Input Cable @ 125% Rated Current [AWG]	Motor Cable (GA800 Manual) [AWG]	Motor Cable @ 125% Rated Current [AWG]
T103	92.7	79.79	-	-	6 x 1P (x 2)	-	1
T140	126	106.26	-	-	3 x 1P (x 2)	-	2/0
T168	151.2	131.02	-	-	3 x 1P (x 2)	-	3/0
T208	187.2	155.83	-	-	1 x 1P (x 2)	-	250
T250	225	209.41	-	-	1/0 x 1P (x 2)	-	1/0 x 2P or 300
T302	271.8	260.18	-	-	2/0 x 1P (x 2)	-	2/0 x 2P
T371	333.9	311.73	-	-	4/0 x 1P (x 2)	-	4/0 x 2P
T414	372.6	362.78	-	-	250 x 1P (x 2)	-	250 x 2P
T477	429.3	414.34	-	-	2/0 x 2P (x 2)	-	300 x 2P or 2/0 x 4P
T568	511.2	464.52	-	-	3/0 x 2P (x 2)	-	4/0 x 4P
T605	544.5	515.90	-	-	3/0 x 2P (x 2)	-	250 x 4P
T720	648	617.53	-	-	250 x 2P (x 2)	-	300 x 4P
T810	729	719.86	-	-	2/0 x 4P (x 2)	-	3/0 x 8P
T930	837	821.45	-	-	3/0 x 4P (x 2)	-	4/0 x 8P
TH11	981	922.93	-	-	4/0 x 4P (x 2)	-	250 x 8P
TH12	1080	1024.34	-	-	4/0 x 4P (x 2)	-	250 x 8P

*1 UL508A does not allow parallel conductors smaller than 1/0 AWG.

Table 2.37 85% Ratings for 12 Pulse, GA800 AC Drives (Three-Phase 480 V)

Drive Model			Protection	Cable Sizing ^{*/}			
Drive Model	Drive Rated Output Current [Arms]	Drive Rated Input Current [Arms]	Semiconductor Fuse (GA800 Manual)	Input Cable (GA800 Manual) [AWG]	Input Cable @ 125% Rated Current [AWG]	Motor Cable (GA800 Manual) [AWG]	Motor Cable @ 125% Rated Current [AWG]
T103	87.55	75.46	-	-	8 x 1P (x 2)	-	2
T140	119	100.37	-	-	3 x 1P (x 2)	-	2/0

Drive Model			Protection	Cable Sizing ^{*1}			
Drive Model	Drive Rated Output Current [Arms]	Drive Rated Input Current [Arms]	Semiconductor Fuse (GA800 Manual)	Input Cable (GA800 Manual) [AWG]	Input Cable @ 125% Rated Current [AWG]	Motor Cable (GA800 Manual) [AWG]	Motor Cable @ 125% Rated Current [AWG]
T168	142.8	123.88	-	-	3 x 1P (x 2)	-	3/0
T208	176.8	147.33	-	-	1 x 1P (x 2)	-	4/0
T250	212.5	197.98	-	-	1/0 x 1P (x 2)	-	1/0 x 2P or 300
T302	256.7	245.68	-	-	2/0 x 1P (x 2)	-	2/0 x 2P
T371	315.35	294.35	-	-	4/0 x 1P (x 2)	-	4/0 x 2P
T414	351.9	342.91	-	-	4/0 x 1P (x 2)	-	4/0 x 2P
T477	405.45	391.20	-	-	250 x 1P (x 2)	-	300 x 2P or 2/0 x 4P
T568	482.8	439.06	-	-	2/0 x 2P (x 2)	-	4/0 x 4P
T605	514.25	487.06	-	-	3/0 x 2P (x 2)	-	4/0 x 4P
T720	612	583.63	-	-	250 x 2P (x 2)	-	300 x 4P
T810	688.5	680.33	-	-	250 x 2P (x 2)	-	300 x 4P
T930	790.5	776.31	-	-	2/0 x 4P (x 2)	-	3/0 x 8P
TH11	926.5	872.20	-	-	3/0 x 4P (x 2)	-	4/0 x 8P
TH12	1020	968.01	-	-	4/0 x 4P (x 2)	-	250 x 8P

*1 UL508A does not allow parallel conductors smaller than 1/0 AWG.

Table 2.38 80% Ratings for 12 Pulse, GA800 AC Drives (Three-Phase 480 V)

Drive Model			Protection	Cable Sizing ^{*1}			
Drive Model	Drive Rated Output Current [Arms]	Drive Rated Input Current [Arms]	Semiconductor Fuse (GA800 Manual)	Input Cable (GA800 Manual) [AWG]	Input Cable @ 125% Rated Current [AWG]	Motor Cable (GA800 Manual) [AWG]	Motor Cable @ 125% Rated Current [AWG]
T103	82.4	71.13	-	-	8 x 1P (x 2)	-	2
T140	112	94.60	-	-	4 x 1P (x 2)	-	1/0
T168	134.4	116.75	-	-	3 x 1P (x 2)	-	2/0
T208	166.4	138.83	-	-	3 x 1P (x 2)	-	4/0
T250	200	186.54	-	-	1/0 x 1P (x 2)	-	1/0 x 2P or 300
T302	241.6	231.20	-	-	2/0 x 1P (x 2)	-	2/0 x 2P
T371	296.8	276.99	-	-	3/0 x 1P (x 2)	-	3/0 x 2P
T414	331.2	322.67	-	-	4/0 x 1P (x 2)	-	4/0 x 2P
T477	381.6	368.10	-	-	250 x 1P (x 2)	-	250 x 2P
T568	454.4	413.11	-	-	2/0 x 2P (x 2)	-	3/0 x 4P
T605	484	458.78	-	-	2/0 x 2P (x 2)	-	4/0 x 4P
T720	576	549.11	-	-	4/0 x 2P (x 2)	-	250 x 4P
T810	648	640.78	-	-	250 x 2P (x 2)	-	300 x 4P
T930	744	731.16	-	-	2/0 x 4P (x 2)	-	3/0 x 8P
TH11	872	821.45	-	-	3/0 x 4P (x 2)	-	4/0 x 8P
TH12	960	911.66	-	-	3/0 x 4P (x 2)	-	250 x 8P

*1 UL508A does not allow parallel conductors smaller than 1/0 AWG.

2 Multiple Ratings for GA800 AC Drives

Table 2.39 75% Ratings for 12 Pulse, GA800 AC Drives (Three-Phase 480 V)

Drive Model			Protection	Cable Sizing ^{*1}			
Drive Model	Drive Rated Output Current [Arms]	Drive Rated Input Current [Arms]	Semiconductor Fuse (GA800 Manual)	Input Cable (GA800 Manual) [AWG]	Input Cable @ 125% Rated Current [AWG]	Motor Cable (GA800 Manual) [AWG]	Motor Cable @ 125% Rated Current [AWG]
T103	77.25	66.79	-	-	8 x 1P (x 2)	-	3
T140	105	88.82	-	-	4 x 1P (x 2)	-	1/0
T168	126	109.60	-	-	3 x 1P (x 2)	-	2/0
T208	156	130.33	-	-	3 x 1P (x 2)	-	3/0
T250	187.5	175.09	-	-	1/0 x 1P (x 2)	-	250
T302	226.5	216.75	-	-	1/0 x 1P (x 2)	-	1/0 x 2P or 300
T371	278.25	259.66	-	-	2/0 x 1P (x 2)	-	3/0 x 2P
T414	310.5	302.47	-	-	4/0 x 1P (x 2)	-	3/0 x 2P
T477	357.75	345.04	-	-	4/0 x 1P (x 2)	-	4/0 x 2P
T568	426	387.22	-	-	250 x 1P (x 2)	-	300 x 2P or 2/0 x 4P
T605	453.75	430.01	-	-	2/0 x 2P (x 2)	-	3/0 x 4P
T720	540	514.64	-	-	3/0 x 2P (x 2)	-	4/0 x 4P
T810	607.5	601.20	-	-	250 x 2P (x 2)	-	300 x 4P
T930	697.5	685.98	-	-	250 x 2P (x 2)	-	300 x 4P
TH11	817.5	770.67	-	-	2/0 x 4P (x 2)	-	4/0 x 8P
TH12	900	855.29	-	-	3/0 x 4P (x 2)	-	4/0 x 8P

*1 UL508A does not allow parallel conductors smaller than 1/0 AWG.

Table 2.40 70% Ratings for 12 Pulse, GA800 AC Drives (Three-Phase 480 V)

Drive Model			Protection	Cable Sizing ^{*1}			
Drive Model	Drive Rated Output Current [Arms]	Drive Rated Input Current [Arms]	Semiconductor Fuse (GA800 Manual)	Input Cable (GA800 Manual) [AWG]	Input Cable @ 125% Rated Current [AWG]	Motor Cable (GA800 Manual) [AWG]	Motor Cable @ 125% Rated Current [AWG]
T103	72.1	62.45	-	-	8 x 1P (x 2)	-	3
T140	98	83.03	-	-	6 x 1P (x 2)	-	1
T168	117.6	102.45	-	-	3 x 1P (x 2)	-	2/0
T208	145.6	121.81	-	-	3 x 1P (x 2)	-	3/0
T250	175	163.62	-	-	1/0 x 1P (x 2)	-	4/0
T302	211.4	202.32	-	-	1/0 x 1P (x 2)	-	1/0 x 2P or 300
T371	259.7	242.35	-	-	2/0 x 1P (x 2)	-	2/0 x 2P
T414	289.8	282.29	-	-	3/0 x 1P (x 2)	-	3/0 x 2P
T477	333.9	322.01	-	-	4/0 x 1P (x 2)	-	4/0 x 2P
T568	397.6	361.36	-	-	250 x 1P (x 2)	-	250 x 2P
T605	423.5	401.28	-	-	250 x 1P (x 2)	-	300 x 2P or 2/0 x 4P
T720	504	480.77	-	-	3/0 x 2P (x 2)	-	4/0 x 4P
T810	567	561.61	-	-	4/0 x 2P (x 2)	-	250 x 4P
T930	651	640.78	-	-	250 x 2P (x 2)	-	300 x 4P
TH11	763	719.86	-	-	2/0 x 4P (x 2)	-	3/0 x 8P
TH12	840	798.88	-	-	2/0 x 4P (x 2)	-	4/0 x 8P

*1 UL508A does not allow parallel conductors smaller than 1/0 AWG.

Table 2.41 65% Ratings for 12 Pulse, GA800 AC Drives (Three-Phase 480 V)

Drive Model			Protection	Cable Sizing ^{*1}			
Drive Model	Drive Rated Output Current [Arms]	Drive Rated Input Current [Arms]	Semiconductor Fuse (GA800 Manual)	Input Cable (GA800 Manual) [AWG]	Input Cable @ 125% Rated Current [AWG]	Motor Cable (GA800 Manual) [AWG]	Motor Cable @ 125% Rated Current [AWG]
T103	66.95	58.11	-	-	8 x 1P (x 2)	-	4
T140	91	77.24	-	-	8 x 1P (x 2)	-	1
T168	109.2	95.29	-	-	4 x 1P (x 2)	-	1/0
T208	135.2	113.29	-	-	3 x 1P (x 2)	-	2/0
T250	162.5	152.15	-	-	1 x 1P (x 2)	-	4/0
T302	196.3	187.91	-	-	1/0 x 1P (x 2)	-	1/0 x 2P or 300
T371	241.15	225.07	-	-	1/0 x 1P (x 2)	-	2/0 x 2P
T414	269.1	262.15	-	-	2/0 x 1P (x 2)	-	2/0 x 2P
T477	310.05	299.02	-	-	4/0 x 1P (x 2)	-	3/0 x 2P
T568	369.2	335.54	-	-	4/0 x 1P (x 2)	-	250 x 2P
T605	393.25	372.60	-	-	250 x 1P (x 2)	-	250 x 2P
T720	468	446.38	-	-	2/0 x 2P (x 2)	-	3/0 x 4P
T810	526.5	521.99	-	-	4/0 x 2P (x 2)	-	4/0 x 4P
T930	604.5	595.55	-	-	250 x 2P (x 2)	-	300 x 4P
TH11	708.5	669.03	-	-	250 x 2P (x 2)	-	300 x 4P
TH12	780	742.45	-	-	2/0 x 4P (x 2)	-	3/0 x 8P

*1 UL508A does not allow parallel conductors smaller than 1/0 AWG.

Table 2.42 60% Ratings for 12 Pulse, GA800 AC Drives (Three-Phase 480 V)

Drive Model			Protection	Cable Sizing ^{*1}			
Drive Model	Drive Rated Output Current [Arms]	Drive Rated Input Current [Arms]	Semiconductor Fuse (GA800 Manual)	Input Cable (GA800 Manual) [AWG]	Input Cable @ 125% Rated Current [AWG]	Motor Cable (GA800 Manual) [AWG]	Motor Cable @ 125% Rated Current [AWG]
T103	61.8	53.75	-	-	8 x 1P (x 2)	-	4
T140	84	71.44	-	-	8 x 1P (x 2)	-	2
T168	100.8	88.12	-	-	4 x 1P (x 2)	-	1
T208	124.8	104.76	-	-	3 x 1P (x 2)	-	2/0
T250	150	140.67	-	-	1 x 1P (x 2)	-	3/0
T302	181.2	173.71	-	-	1/0 x 1P (x 2)	-	250
T371	222.6	207.81	-	-	1/0 x 1P (x 2)	-	1/0 x 2P or 300
T414	248.4	242.30	-	-	2/0 x 1P (x 2)	-	2/0 x 2P
T477	286.2	276.06	-	-	3/0 x 1P (x 2)	-	3/0 x 2P
T568	340.8	309.76	-	-	4/0 x 1P (x 2)	-	4/0 x 2P
T605	363	344.34	-	-	4/0 x 1P (x 2)	-	250 x 2P
T720	432	412.04	-	-	2/0 x 2P (x 2)	-	300 x 2P or 2/0 x 4P
T810	486	482.34	-	-	3/0 x 2P (x 2)	-	4/0 x 4P
T930	558	550.29	-	-	4/0 x 2P (x 2)	-	250 x 4P
TH11	654	618.17	-	-	250 x 2P (x 2)	-	300 x 4P
TH12	720	685.98	-	-	250 x 2P (x 2)	-	300 x 4P

*1 UL508A does not allow parallel conductors smaller than 1/0 AWG.

Table 2.43 55% Ratings for 12 Pulse, GA800 AC Drives (Three-Phase 480 V)

Drive Model			Protection	Cable Sizing ^{*1}			
Drive Model	Drive Rated Output Current [Arms]	Drive Rated Input Current [Arms]	Semiconductor Fuse (GA800 Manual)	Input Cable (GA800 Manual) [AWG]	Input Cable @ 125% Rated Current [AWG]	Motor Cable (GA800 Manual) [AWG]	Motor Cable @ 125% Rated Current [AWG]
T103	56.65	49.39	-	-	8 x 1P (x 2)	-	4
T140	77	65.63	-	-	8 x 1P (x 2)	-	3
T168	92.4	80.95	-	-	6 x 1P (x 2)	-	1
T208	114.4	96.21	-	-	4 x 1P (x 2)	-	1/0
T250	137.5	129.18	-	-	3 x 1P (x 2)	-	2/0
T302	166.1	159.50	-	-	1/0 x 1P (x 2)	-	4/0
T371	204.05	190.58	-	-	1/0 x 1P (x 2)	-	1/0 x 2P or 300
T414	227.7	222.44	-	-	1/0 x 1P (x 2)	-	1/0 x 2P or 300
T477	262.35	253.41	-	-	2/0 x 1P (x 2)	-	2/0 x 2P
T568	312.4	284.34	-	-	3/0 x 1P (x 2)	-	3/0 x 2P
T605	332.75	316.06	-	-	4/0 x 1P (x 2)	-	4/0 x 2P
T720	396	377.75	-	-	250 x 1P (x 2)	-	250 x 2P
T810	445.5	442.66	-	-	2/0 x 2P (x 2)	-	3/0 x 4P
T930	511.5	505.00	-	-	3/0 x 2P (x 2)	-	4/0 x 4P
TH11	599.5	567.26	-	-	4/0 x 2P (x 2)	-	250 x 4P
TH12	660	629.47	-	-	250 x 2P (x 2)	-	300 x 4P

*1 UL508A does not allow parallel conductors smaller than 1/0 AWG.

Table 2.44 50% Ratings for 12 Pulse, GA800 AC Drives (Three-Phase 480 V)

Drive Model			Protection	Cable Sizing ^{*1}			
Drive Model	Drive Rated Output Current [Arms]	Drive Rated Input Current [Arms]	Semiconductor Fuse (GA800 Manual)	Input Cable (GA800 Manual) [AWG]	Input Cable @ 125% Rated Current [AWG]	Motor Cable (GA800 Manual) [AWG]	Motor Cable @ 125% Rated Current [AWG]
T103	51.5	45.03	-	-	8 x 1P (x 2)	-	6
T140	70	59.81	-	-	8 x 1P (x 2)	-	3
T168	84	73.76	-	-	8 x 1P (x 2)	-	2
T208	104	87.66	-	-	4 x 1P (x 2)	-	1
T250	125	117.67	-	-	3 x 1P (x 2)	-	2/0
T302	151	145.27	-	-	1 x 1P (x 2)	-	3/0
T371	185.5	173.56	-	-	1/0 x 1P (x 2)	-	250
T414	207	202.55	-	-	1/0 x 1P (x 2)	-	1/0 x 2P or 300
T477	238.5	230.74	-	-	2/0 x 1P (x 2)	-	1/0 x 2P or 300
T568	284	258.88	-	-	2/0 x 1P (x 2)	-	3/0 x 2P
T605	302.5	287.75	-	-	3/0 x 1P (x 2)	-	3/0 x 2P
T720	360	343.89	-	-	4/0 x 1P (x 2)	-	250 x 2P
T810	405	402.96	-	-	2/0 x 2P (x 2)	-	300 x 2P or 2/0 x 4P
T930	465	459.67	-	-	2/0 x 2P (x 2)	-	3/0 x 4P
TH11	545	516.33	-	-	3/0 x 2P (x 2)	-	250 x 4P
TH12	600	572.92	-	-	4/0 x 2P (x 2)	-	250 x 4P

*1 UL508A does not allow parallel conductors smaller than 1/0 AWG.

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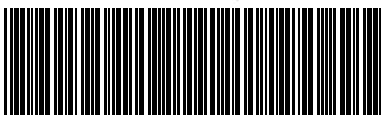
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Original Instructions

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