

CUSTOMER WIRING REQUIREMENTS

- FOR 0 TO 100 AMPS, USE A MINIMUM OF 60° - 75° C COPPER WIRE. (USE COPPER CONDUCTORS ONLY)
- FOR ABOVE 100 AMPS, USE A MINIMUM OF 75° C COPPER WIRE. (USE COPPER CONDUCTORS ONLY)

TABLE 1													
A.C. LINE WIRING													
GA800 CONFIGURED MODEL NO. BASE NUMBER G8C5XXXX		WITH OPTION PE OR PC TO CIRCUIT BREAKER CB1				OR, WITH OPTION PM TO CIRCUIT BREAKER CB1				OR, WITH OPTION PD, TO DISCONNECT SWITCH S1			
240V	480V	MFG. PART NUMBER	CURRENT RATING (AMPS)	WIRE SIZE RANGE (AWG)	TIGHTENING TORQUE (LB.-IN.)	MFG. PART NUMBER	CURRENT RATING (AMPS)	WIRE SIZE RANGE (AWG)	TIGHTENING TORQUE (LB.-IN.)	MFG. PART NUMBER	CURRENT RATING (AMPS)	WIRE SIZE RANGE (AWG)	TIGHTENING TORQUE (LB.-IN.)
A004	B002	H__36015	15	14 - 10	50	H__36015	15	14 - 10	50	H__36000S15	150	14 - 10	50
A006	B003			OR	OR			OR	OR			OR	OR
	B004			8 - 3/0	120			8 - 3/0	120			8 - 3/0	120
	B007												
A009	B011	H__36020	20			H__36020	20						
	B014	H__36025	25			H__36025	25						
A015		H__36030	30			H__36030	30						
	B021	H__36035	35			H__36035	35						
A022		H__36040	40			H__36040	40						
	B027	H__36045	45			H__36045	45						
A028		H__36050	50			H__36050	50						
	B034	H__36060	60			H__36060	60						
	B040	H__36050	50			H__36050	50						
A042	B052	H__36070	70			H__36070	70						
	B065	H__36080	80			H__36080	80						
A054	B077	H__36100	100			H__36100	100						
A068	B096	H__36125	100			H__36125	100						
A080		H__36100	100			H__36100	100						
A104	B124	H__36150	150			H__36150	150						
A130		J__36175	175	4 - 4/0	225	J__36175	175	4 - 4/0	225	J__36000S17	175	4 - 4/0	225
A154	B156	J__36200	200	3/0 - 350 kcmil	225	J__36200	200	3/0 - 350 kcmil	225	J__36000S25	250	3/0 - 350	225
	B180	J__36225	225			J__36225	225						
A192		J__36250	250			J__36250	250						
A248	B240	L__36400U31X	400	(1-2) x (2/0 - 500 kcmil)	(1-2) x 442	L__36400U31X	400	(1-2) x (2/0 - 500 kcmil)	(1-2) x 442	L__36000S40X	400	(1-2) x (2/0 - 500 kcmil)	(1-2) x 442
A312	B302												
A360	B361	M__36450	450	(1-3) x (3/0 - 500 kcmil)	(1-3) x 450	P__34060	600	(1-3) x (3/0 - 500 kcmil)	(1-3) x 450	L__36000S60X	600	(1-3) x (2/0 - 500 kcmil)	(1-3) x 450
	B414	M__36600	600										
	B477	P__36080	800			P__36080	800			P__34000S80	800	(1-3) x (3/0 - 500 kcmil)	(1-3) x 450
	B515												
	B590												

TABLE 2				
A.C. LINE WIRING				
GA800 CONFIGURED MODEL NO. BASE NUMBER G8C5XXXX				
OR, WITHOUT OPTIONS PE, PC, PM OR PD TO INPUT POWER TERMINAL BLOCK TB2				
240V	480V	MFG. PART NUMBER	WIRE SIZE RANGE (AWG)	TIGHTENING TORQUE (LB.-IN.)
	B002	6H12-TSCU-F	16 - 10	35
A004	B003		OR	OR
A006	B004		8	40
A009	B007		OR	OR
A015	B011		6 - 4	45
A022	B014			
A028	B021			
	B027			
	B034			
A042	B040	1423572	14 - 10	35
A054	B052		OR	OR
A068	B065		8	40
A080	B077		OR	OR
	B096		6 - 2/0	120
A104	B124	MPDB67003	6 - 350 kcmil	275
A130	B156			
A154	B180			
A192				
A248	B240	MPDB69123	(1-2) x (6 - 350 kcmil)	(1-2) x 275
A312	B302			
A360	B361			
	B414	MPDB69313	(1-2) x (4 - 500 kcmil)	(1-2) x 500
	B477			
	B515			
	B590	1453411	(1-2) x (4 - 600 kcmil)	(1-2) x 500

TABLE 3				
BLOWER MOTOR STARTER WIRING				
GA800 CONFIGURED MODEL NO. BASE NUMBER G8C5XXXX				
WITH OPTION TB, TO OVERLOAD RELAY S10				
240V	480V	MFG. PART NUMBER	WIRE SIZE RANGE (AWG)	TIGHTENING TORQUE (LB.-IN.)
A004	B515	LRD15	18 - 8	15
A006	B590			
A009				
A015				
A022				
A028				
A042				
A054				
A068				
A080				
A104				
A130				
A154				
A192				
A248				
A312				
A360				
	B002	LRD06	18 - 8	15
	B003			
	B004			
	B007			
	B011			
	B014			
	B021			
	B027			
	B034			
	B040			
	B052			
	B065			
	B077			
	B096			
	B124			
	B156			
	B180			
	B240			
	B302			
	B361			
	B414			
	B477			

REVISIONS				
REV.	DESCRIPTION	ECO #	DRAWN BY	DATE
01	ADDED OPTION TB	10925	KAP	10/28/20
00	INITIAL RELEASE	-	KAP	07/19/18

YASKAWA	DRAWN BY: K. PEOPLES	DATE: 07/19/18	TITLE: CUSTOMER CONNECTION GA800 CONFIGURED TYPE 12 HD RATING		
	CHECKED: N. LAWS	DATE: 07/19/18			
	TECH:	DATE:			
	APPROVED: K. FLIERL	DATE: 07/19/18	SIZE: C	REVISION: 01	PAGE: 1 of 2
ORIGINAL DESIGN: K. PEOPLES	DATE: 07/19/18	DRAWING #: UDE00599			

CUSTOMER WIRING REQUIREMENTS

- FOR 0 TO 100 AMPS, USE A MINIMUM OF 60° - 75° C COPPER WIRE. (USE COPPER CONDUCTORS ONLY)
- FOR ABOVE 100 AMPS, USE A MINIMUM OF 75° C COPPER WIRE. (USE COPPER CONDUCTORS ONLY)

TABLE 4		A.C. MOTOR WIRING				EARTH GROUND WIRING			
GA800 CONFIGURED MODEL NO. BASE NUMBER G8C5XXXX		WITH OPTION PH, TO LOAD REACTOR L4			OR, WITHOUT OPTION PH, TO STANDARD AC DRIVE	A.C. LINE GROUND LUG		BLOWER MOTOR GROUND LUG	
240V	480V	MFG. PART NUMBER	WIRE SIZE RANGE (AWG)	TIGHTENING TORQUE (LB.-IN.)		WIRE SIZE RANGE (AWG)	TIGHTENING TORQUE (LB.-IN.)	WIRE SIZE RANGE (AWG)	TIGHTENING TORQUE (LB.-IN.)
	B002	RLW-03P40_	22 - 10	4.5	CUSTOMER TO WIRE PER THE AC DRIVE TECHNICAL MANUAL USE 75° C COPPER WIRE ONLY	14 - 10	35	14 - 10	35
	B003	RLW-04P80_							
A004	B004	RLW-07P60_							
	B007	RLW-00110_							
A006	B011	RLW-00140_	14 - 6	16		OR	OR	OR	OR
A009	B014	RLW-00210_							
A015		RLW-00280_							
A022									
A028	B021	RLW-00350_							
	B027								
	B034	RLW-00460_	6 - 4 OR 2 - 1/0	45 OR 50	14 - 2/0	120	6 - 4	45	
A042	B040	RLW-00550_							
	B052								
A054	B065	RLW-00830_							
A068	B077	RLW-01040_	2 - 1 OR 1/0 - 2/0 OR 3/0 - 4/0	150 OR 180 OR 250	2/0 OR 3/0 - 4/0 OR 250 - 350 OR 400 - 500	180 OR 250 OR 325 OR 375	6 - 250	275	
A104	B096	RLW-01300_							
A130	B124	RLW-01600_	(1-2) x (6 - 350 kcmil)	(1-2) x 375	CUSTOMER TO SUPPLY A UL LISTED CLOSED-LOOP CONNECTOR USE 75° C COPPER WIRE ONLY	6 - 250	275	6 - 250	275
A154	B156	RLW-02000_							
A192	B180	RLW-02500_							
A248	B240	RLW-03220_	CUSTOMER TO SUPPLY A UL LISTED CLOSED-LOOP CONNECTOR						
A312	B302	RLW-04140_							
A360	B361	RLW-05150_							
	B414	RLW-06000_							
	B477								
	B515	RLW-07500_							
	B590								

TABLE 5		OPTION PL				CONTROL WIRING	
GA800 CONFIGURED MODEL NO. BASE NUMBER G8C5XXXX		TO DRIVE A1		OR, TO CDBR A2, A3, A4		TERMINAL BLOCK TB1	
240V	480V	WIRE SIZE RANGE (AWG)	TIGHTENING TORQUE (LB.-IN.)	WIRE SIZE RANGE (AWG)	TIGHTENING TORQUE (LB.-IN.)	WIRE SIZE RANGE (AWG)	TIGHTENING TORQUE (LB.-IN.)
A004	B002	CUSTOMER TO WIRE PER THE AC DRIVE TECHNICAL MANUAL USE 75° C COPPER WIRE ONLY				26 - 10	5.3 - 7.1
A006	B003						
A009	B004						
A015	B007						
A022	B011						
A028	B014						
A042	B021						
A054	B027						
A068	B034						
A080	B040						
A104	B052	CUSTOMER TO SUPPLY A UL LISTED CLOSED-LOOP CONNECTOR, PER THE CDBR INSTALLATION MANUAL USE 75° C COPPER WIRE ONLY					
	B065						
	B077						
	B096						
	B124						
A130	B156						
A154	B180						
A192	B240						
A248	B302						
A312	B361						
A360	B414						
	B477						
	B515						
	B590						

YASKAWA	DRAWN BY: K. PEOPLES	DATE: 07/26/18	TITLE: CUSTOMER CONNECTION GA800 CONFIGURED TYPE 12 HD RATING			
	CHECKED: N. LAWS	DATE: 07/26/18				
	TECH:		DATE:	SIZE: C	REVISION: 01	PAGE: 2 of 2
	APPROVED: K. FLIERL		DATE: 07/26/18	DRAWING #: UDE00599		

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