

**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 G8C6XXXX		WITH OPTION PC, PE, OR PM; TO CIRCUIT BREAKER CB1			
240V	480V	MFG. PART NUMBER	CURRENT RATING (AMPS)	WIRE SIZE RANGE (AWG)	TIGHTENING TORQUE (LB.-IN.)
	B002	H__36015	15	14 - 10	50
	B003			OR	OR
A004	B004			8 - 3/0	120
A006	B007				
A009	B011	H__36020	20		
A015	B014	H__36025	25		
A022	B021	H__36040	40		
A028	B027	H__36050	50		
	B034	H__36060	60		
A042	B040	H__36070	70		
	B052	H__36080	80		
A054	B065	H__36090	90		
A068	B077	H__36110	110		
A080	B096	H__36125	125		
A104		H__36150	150		
	B124	J__36175	175	4 - 4/0	225
A130		J__36200LY	200		
A154	B156	J__36225	225	3/0 - 350 kcmil	225
	B180	J__36250	250		
A192		L__36400U31X	400	(1 - 2) x (2/0-500 kcmil)	(1 - 2) x 442
A248	B240				
A312	B302				
A360	B361	P__34060	600	(1 - 3) x (3/0-500 kcmil)	(1 - 3) x 450
	B414				
	B477	P__34080	800		
	B515				
	B590				

TABLE 2		A.C. LINE WIRING						
GA800 CONFIGURED MODEL NO. BASE NUMBER G8C6XXXX		OR, WITH OPTION PD, TO DISCONNECT SWITCH S1				OR, WITHOUT OPTIONS PC, PE, PM, OR PD TO INPUT POWER TERMINAL BLOCK TB2		
240V	480V	MFG. PART NUMBER	CURRENT RATING (AMPS)	WIRE SIZE RANGE (AWG)	TIGHTENING TORQUE (LB.-IN.)	MFG. PART NUMBER	WIRE SIZE RANGE (AWG)	TIGHTENING TORQUE (LB.-IN.)
	B002	H__36000S15	150	14 - 10	50	6H12-TSCU-F	16 - 10	35
A004	B003			OR	OR		OR	40
A006	B004			8 - 3/0	120		8	OR
A009	B007						6 - 4	45
A015	B011							
A022	B014							
	B021							
A028	B027					1423572	14 - 10	35
A042	B034						OR	OR
A054	B040						8	40
A068	B052						OR	OR
A080	B065						6 - 2/0	120
	B077							
	B096							
A104		J__36000S17	175	4 - 4/0	225			
	B124	J__36000S25LY	250	4 - 4/0	225			
A130						MPDB67003	6 - 350 kcmil	275
A154								
	B156	J__36000S25	250	3/0 - 350 kcmil	225			
	B180							
A192	B240	L__36000S40X	400	(1 - 2) x (2/0-500 kcmil)	(1 - 2) x 442	MPDB69123	(1 - 2) x (6-350 kcmil)	(1 - 2) x 275
A248								
A312	B302	L__36000S60X	600	(1 - 2) x (2/0-500 kcmil)	(1 - 2) x 442			
A360	B361							
	B414	P__36000S80	800	(1 - 3) x (3/0-500 kcmil)	(1 - 3) x 450			
	B477					MPDB69313	(1 - 2) x (4-500 kcmil)	(1 - 2) x 500
	B515	P__36000S10	1000	(1 - 3) x (3/0-500 kcmil)	(1 - 3) x 450			
	B590					1453411	(1 - 2) x (2-600 kcmil)	(1 - 2) x 500

REVISIONS				
REV.	DESCRIPTION	ECO #	DRAWN BY	DATE
00	INITIAL RELEASE	-	NSL	06/11/18


<b>YASKAWA</b>	DRAWN BY: N. LAWS	DATE: 6/11/18	TITLE: CUSTOMER CONNECTION GA800 CONFIGURED TYPE 3R HD RATING		
	CHECKED: K. MALUSIC	DATE: 6/13/18			
	TECH:	DATE:			
	APPROVED: K. FLIERL	DATE: 6/14/18	SIZE: C	REVISION: 00	PAGE: 1 of 2
ORIGINAL DESIGN: N. LAWS	DATE: 6/11/18	DRAWING #: UDE00582			

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TABLE 3		A.C. MOTOR WIRING			OR, WITHOUT OPTION PH, TO STANDARD AC DRIVE
GA800 CONFIGURED MODEL NO. BASE NUMBER G8C6XXXX		WITH OPTION PH, TO LOAD REACTOR L4			
240V	480V	MFG. PART NUMBER	WIRE SIZE RANGE (AWG)	TIGHTENING TORQUE (LB. - IN.)	CUSTOMER TO WIRE PER THE AC DRIVE TECHNICAL MANUAL USE 75°C COPPER WIRE ONLY
	B002	RLW-03P40_	22 - 10	4.5	
	B003	RLW-04P80_			
	B004	RLW-07P60_			
	B007	RLW-00110_			
A006	B011	RLW-00140_	14 - 6	16	
A009	B014	RLW-00210_			
A015		RLW-00280_			
A022					
A028	B021	RLW-00350_	6 - 4 OR 2 - 1/0	45 OR 50	
	B027				
	B034	RLW-00460_			
A042	B040	RLW-00550_			
	B052	RLW-00650_	2 - 1 OR 1/0 - 2/0 OR 3/0 - 4/0	150 OR 180 OR 250	
A054	B065	RLW-00830_			
A068	B077	RLW-01040_			
A080					
A104	B096	RLW-01300_	2/0 OR 3/0 - 4/0 OR 250 - 350 kcmil OR 400 - 500 kcmil	180 OR 250 OR 325 OR 375	
A130	B124	RLW-01600_			
A154		RLW-02000_			
	B156				
A192	B180	RLW-02500_	(1-2) x (6-350 kcmil)	(1 - 2) x 375	
A248	B240	RLW-03220_			
A312	B302	RLW-04140_	CUSTOMER TO SUPPLY A UL LISTED CLOSED-LOOP CONNECTOR		
A360	B361	RLW-05150_			
	B414	RLW-06000_			
	B477				
	B515	RLW-07500_			
	B590				

TABLE 4		EARTH GROUND WIRING		NEUTRAL		CONTROL WIRING	
GA800 CONFIGURED MODEL NO. BASE NUMBER G8C6XXXX		GROUND LUGS		TERMINAL BLOCK TBN1		TERMINAL BLOCK TB1	
240 V	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.)
	B002	14 - 10	35	16 - 10	35	26 - 10	5.3 - 7.1
A004	B003	OR	OR	OR	OR		
A006	B004	8	40	8	40		
A009	B007	OR	OR	OR	OR		
A015	B011	6 - 4	45	6 - 4	45		
A022	B014	OR	OR				
A028	B021	2 - 1/0	50				
A042	B027						
	B034	14 - 2/0	120	14 - 10	35		
A054	B040			OR	OR		
A068	B052			8	40		
A080	B065			OR	OR		
A104	B977			6 - 2/0	120		
A130	B096						
A154	B124						
	B156	6 - 250 kcmil	275	6 - 350 kcmil	275		
A192	B180						
A248	B240						
A312	B302						
A360	B361						
	B414						
	B477						
	B515						
	B590						

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