

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 G8C2XXXX		TO CIRCUIT BREAKER CB1					
240V	480V	MFG. PART NUMBER	CURRENT RATING (AMPS)	WIRE SIZE RANGE (AWG)	TIGHTENING TORQUE (LB.-IN.)		
A004	B002	H_36015SA	15	14 - 10 OR 8 - 3/0	50 OR 120		
A006	B003						
	B004						
	B007						
	B011						
A009	B014					H_36020SA	20
						H_36025SA	25
A015		H_36030SA	30				
	B021	H_36035SA	35				
A022	B027	H_36045SA	45				
A028	B034	H_36060SA	60				
A042	B040	H_36070SA	70				
	B052						
	B065	H_36080SA	80				
A054	B077	H_36100SA	100				
A068	B096	H_36125SA	125				
A080	B124	H_36150SA	150				
A104							
A130		J_36175SA	175	4 - 4/0	225		
	B156	J_36200SALY					
A154		J_36200SA	200				
	B180	J_36225SA	225	3/0 - 350			
A192		J_362250SA	250				
A248	B240	L_36400U31XSA	400	(1-2) x (2/0 - 500 kcmil)	(1-2) x 442		
	B302						
A312		M_36450SA	450	(1-3) x (3/0 - 500 kcmil)	(1-3) x 450		
	B361	M_36500SA	500				
A360	B414	M_36600SA	600				
	B477	P_36080SA	800				
	B515						
	B590						
	B720	P_36100U44ASA	1000	(1-4) x (3/0 - 500 kcmil)	(1-4) x 450		

TABLE 2		BLOWER MOTOR STARTER WIRING		
GA800 CONFIGURED MODEL NO. BASE NUMBER G8C2XXXX		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	B720			
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			

YASKAWA	DRAWN BY: K. PEOPLES	DATE: 07/26/18	TITLE: CUSTOMER CONNECTION GA800 CONFIGURED TYPE 12 ND RATING WITH OPTION PJ		
	CHECKED: N. LAWS	DATE: 07/26/18			
	TECH:	DATE:			
	APPROVED: K. FLIERL	DATE: 07/26/18	SIZE: C	REVISION: 02	PAGE: 1 of 2
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REVISIONS				
REV.	DESCRIPTION	ECO #	DRAWN BY	DATE
02	UPDATE D143 & B156 BREAKERS WITH LY OPTION	12973	JZ	03/27/23
01	ADDED OPTION TB	10925	KAP	10/28/20
00	INITIAL RELEASE	-	KAP	07/26/18

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TABLE 3		A.C. MOTOR WIRING				EARTH GROUND WIRING					
GA800 CONFIGURED MODEL NO. BASE NUMBER G8C2XXXX		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 SUPPLY A UL LISTED CLOSED-LOOP CONNECTOR USE 75° C COPPER WIRE ONLY	14 - 10	35	14 - 10	35		
	B003	RLW-04P80_				OR	OR	OR	OR	OR	OR
A004	B004	RLW-07P60_				8	40	8	40	8	40
	B007	RLW-00110_				OR	OR	OR	OR	OR	OR
A006	B011	RLW-00140_	14 - 6	16		6 - 4	45	6 - 4	45		
A009	B014	RLW-00210_				OR	OR	OR	OR	OR	
A015		RLW-00280_				2	50	2	50	2	50
A022											
A028	B021	RLW-00350_									
	B027										
	B034	RLW-00460_									
A042	B040	RLW-00550_	6 - 4 OR 2 - 1/0	45 OR 50							
	B052	RLW-00650_									
A054	B065	RLW-00830_									
A068	B077	RLW-01040_	6 - 4 OR 2 - 1/0	45 OR 50							
A080											
A104	B096	RLW-01300_	2 - 1 OR 1/0 - 2/0 OR 3/0 - 4/0	150 OR 180 OR 250	14 - 2/0	120					
A130	B124	RLW-01600_									
A154	B156	RLW-02000_									
A192		RLW-02500_			2/0 OR 3/0 - 4/0 OR 250 - 350 OR 400 - 500	180 OR 250 OR 325 OR 375					
	B180										
A248	B240	RLW-03220_									
	B302	RLW-04140_	(1-2) x (6 - 350 kcmil)	(1-2) x 375	6 - 250	275					
A312											
A360	B361	RLW-05150_	CUSTOMER TO SUPPLY A UL LISTED CLOSED-LOOP CONNECTOR								
	B414	RLW-06000_									
	B477										
	B515	RLW-07500_									
	B590										
	B720	RL-75002									

TABLE 4		OPTION PJ				CONTROL WIRING	
GA800 CONFIGURED MODEL NO. BASE NUMBER G8C2XXXX		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						
A130	B065						
	B077						
	B096						
	B124						
	B156						
A154	B180						
A192	B240						
A248	B302						
A312	B361						
A360	B414						
	B477						
	B515						
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