

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		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	50
A006	B003			OR	OR
	B004			8	40
	B007			OR	OR
A009	B011	H_36020SA	20	6 - 4	45
	B014	H_36025SA	25	OR	OR
A015		H_36030SA	30	2	50
	B021	H_36035SA	35		
A022		H_36040SA	40		
	B027	H_36045SA	45		
A028		H_36050SA	50		
	B034	H_36060SA	60		
	B040	H_36050SA	50		
	B052	H_36070SA	70		
A042					
	B065	H_36080SA	80		
A054	B077	H_36100SA	100		
A068	B096	H_36125SA	125		
A080		H_36100SA	100		
A104	B124	H_36150SA	150		
A130		J_36175SA	175	4 - 4/0	225
A154	B156	J_36200SA	200	3/0 - 350 kcmil	225
	B180	J_36225SA	225		
A192		J_36250SA	250		
A248	B240	L_36400U31XSA	400	(1-2) x (2/0 - 500 kcmil)	(1-2) x 442
A312	B302				
A360	B361	M_36450SA	450	(1-3) x (3/0 - 500 kcmil)	(1-3) x 450
	B414	M_36600SA	600		
	B477	P_36080SA	800		
	B515				
	B590				

TABLE 2		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			

YASKAWA	DRAWN BY: K. PEOPLES	DATE: 07/26/18	TITLE: CUSTOMER CONNECTION GA800 CONFIGURED TYPE 12 HD RATING WITH OPTION PJ		
	CHECKED: N. LAWS	DATE: 07/26/18			
	TECH:	DATE:			
	APPROVED: K. FLIERL	DATE: 07/26/18	SIZE: C	REVISION: 01	PAGE: 1 of 2
ORIGINAL DESIGN: K. PEOPLES	DATE: 07/26/18	DRAWING #: UDE00597			


REVISIONS				
REV.	DESCRIPTION	ECO #	DRAWN BY	DATE
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 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 SUPPLY A UL LISTED CLOSED-LOOP CONNECTOR 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	40	OR	40
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	OR	45	OR	45	
A042	B040	RLW-00550_							
	B052								
A054	B065	RLW-00830_							
A068	B077	RLW-01040_							
A080			2 - 1 OR 1/0 - 2/0 OR 3/0 - 4/0	150 OR 180 OR 250	14 - 2/0	120			
A104	B096	RLW-01300_							
A130	B124	RLW-01600_							
A154	B156	RLW-02000_	2/0 OR 3/0 - 4/0 OR 250 - 350 OR 400 - 500	180 OR 250 OR 325 OR 375					
A192	B180	RLW-02500_							
A248	B240	RLW-03220_	(1-2) x (6 - 350 kcmil)	(1-2) x 375					
A312	B302	RLW-04140_							
A360	B361	RLW-05150_							
	B414	RLW-06000_	CUSTOMER TO SUPPLY A UL LISTED CLOSED-LOOP CONNECTOR						
	B477								
	B515	RLW-07500_							
	B590								

TABLE 4		OPTION PJ				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.)
A002	B001	CUSTOMER TO WIRE PER THE AC DRIVE TECHNICAL MANUAL USE 75° C COPPER WIRE ONLY				26 - 10	5.3 - 7.1
A003	B002						
A004	B003						
A006	B004						
A009	B007						
A015	B011						
A022	B014						
A028	B021						
A042	B027						
A054	B034						
A068	B040						
A080	B052						
A104	B065						
	B077						
	B096						
	B124						
A130	B156	CUSTOMER TO SUPPLY A UL LISTED CLOSED-LOOP CONNECTOR, PER THE CDBR INSTALLATION MANUAL USE 75° C COPPER WIRE ONLY					
A154	B180						
A192	B240						
A248	B302						
A312	B361						
A360	B414						
	B477						
	B515						
	B590						

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