

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 G8C4XXXX		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				
A009	B011	H_36020SA	20		
	B014	H_36025SA	25		
A015		H_36030SA	30		
A022	B021	H_36040SA	40		
A028	B027	H_36050SA	50		
	B034	H_36060SA	60		
	B040				
	B052	H_36080SA	80		
A042		H_36070SA	70		
	B065	H_36090SA	90		
A054	B077	H_36100SA	100		
A068	B096	H_36125SA	125		
A080		H_36100SA	100		
A104		H_36150SA	150		
	B124	J_36175SA	175	4 - 4/0	225
A130		J_36200SALY	200		
A154	B156	J_36225SA	225	3/0 - 350 kcmil	225
	B180	J_36250SA	250		
A192	B240	L_36400U31XSA	400	(1-2) x (2/0 - 500 kcmil)	(1-2) x 442
A248	B302				
A312					
A360	B361	M_36500SA	500	(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 G8C4XXXX		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	-	KM	8/1/18

YASKAWA	DRAWN BY: K. MALUSIC	DATE: 8/1/18	TITLE: CUSTOMER CONNECTION GA800 CONFIGURED TYPE 1 HD RATING WITH OPTION PJ	
	CHECKED: N. LAWS	DATE: 8/1/18		
	TECH:	DATE:		
	APPROVED: K. FLIERL	DATE: 8/1/18	SIZE: C	REVISION: 01
ORIGINAL DESIGN: K. MALUSIC	DATE: 8/1/18	DRAWING #: UDE00576		

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TABLE 3		A.C. MOTOR WIRING						EARTH GROUND WIRING				
GA800 CONFIGURED MODEL NO. BASE NUMBER G8C4XXXX		WITH OPTION PH, TO LOAD REACTOR L4			OR, WITH OPTION PH TO TERMINAL BLOCK TB3			OR, WITHOUT OPTION PH, TO STANDARD AC DRIVE	GROUND LUG		BLOWER MOTOR GROUND LUG	
240V	480V	MFG. PART NUMBER	WIRE SIZE RANGE (AWG)	TIGHTENING TORQUE (LB.-IN.)	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 OR 8 OR 6 - 4 OR 2	35 OR 40 OR 45 OR 50	14 - 10 OR 8 OR 6 - 4 OR 2	35 OR 40 OR 45 OR 50
	B003	RLW-04P80_										
A004	B004	RLW-07P60_										
	B007	RLW-00110_										
A006	B011	RLW-00140_										
A009	B014	RLW-00210_	14 - 6	16								
A015		RLW-00280_										
A022												
A028	B021	RLW-00350_										
	B027	RLW-00350_										
	B034	RLW-00460_										
A042	B040	RLW-00550_	6 - 4 OR 2 - 1/0	45 OR 50								
A054		RLW-00830_										
A068		RLW-01040_										
	B052				MPDB67003	6 - 350 kcmil	275					
	B065											
A080	B077											
A104	B096											
A130	B124											
A154												
	B156	RLW-02000_	2 - 1 OR 1/0 - 2/0 OR 3/0 - 4/0	150 OR 180 OR 250				CUSTOMER TO SUPPLY A UL LISTED CLOSED-LOOP CONNECTOR, USE 75° C COPPER WIRE ONLY	14 - 2/0	120		
A192	B180	RLW-02500_	2/0 OR 3/0 - 4/0 OR 250 - 350 OR 400 - 500	180 OR 250 OR 325 OR 375								
B240		RLW-03220_										
A248		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 G8C4XXXX		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						

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