


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 G8C3XXXX		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		
	B040	H_36070	70		
A042	B052	H_36080	80		
	B065	H_36090	90		
A054		H_36100	100		
	B077	H_36110	110		
A068		H_36125	125		
A080	B096	H_36150	150		
A104					
A130	B124	J_36200LY	200	4 - 4/0	225
A154		J_36225	225	3/0 - 350 kcmil	225
	B156	J_36250	250		
A192	B180	L_36400U31X	400	(1 - 2) x (2/0-500 kcmil)	(1 - 2) x 442
A248	B240				
	B302				
A312	B361	P_34060	600	(1 - 3) x (3/0-500 kcmil)	(1 - 3) x 450
A360	B414				
	B477	P_34080	800		
	B515				
	B590				
	B720	P_36100U44A	1000	(1 - 4) x (3/0-500 kcmil)	(1 - 4) x 450

TABLE 2		A.C. LINE WIRING						
GA800 CONFIGURED MODEL NO. BASE NUMBER G8C3XXXX		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	OR
A006	B004			8 - 3/0	120		8	40
A009	B007						OR	OR
A015	B011						6 - 4	45
	B014							
A022	B021					1423572	14 - 10	35
A028	B027						OR	OR
A042	B034						8	40
A054	B040						OR	OR
A068	B052						6 - 2/0	120
	B065							
	B077							
	B096							
A080		J_36000S17	175	4 - 4/0	225			
A104								
	B124	J_36000S25LY	250	4 - 4/0	225			
A130						MPDB67003	6 - 350 kcmil	275
A154	B156							
	B180	J_36000S25	250	3/0 - 350 kcmil	225			
A192		L_36000S40X	400	(1 - 2) x (2/0-500 kcmil)	(1 - 2) x 442			
A248	B240					MPDB69123	(1 - 2) x (6-350 kcmil)	(1 - 2) x 275
	B302	L_36000S60X	600	(1 - 2) x (2/0-500 kcmil)	(1 - 2) x 442			
A312	B361							
A360	B414							
	B477	P_36000S80	800	(1 - 3) x (3/0-500 kcmil)	(1 - 3) x 450	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
	B720	P_36000S12	1200	(1 - 3) x (3/0-500 kcmil)	(1 - 3) x 450	PDB-55-500-1	(1-5) x (3/0-500 kcmil)	(1 - 5) x 450

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

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	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 #: UDE00581			

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TABLE 3		A.C. MOTOR WIRING			OR, WITHOUT OPTION PH, TO STANDARD AC DRIVE
GA800 CONFIGURED MODEL NO. BASE NUMBER G8C3XXXX		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	B156	RLW-02000_			
A192		RLW-02500_	(1-2) x (6-350 kcmil)	(1 - 2) x 375	
	B180				
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				
	B720	RL-7500_			

TABLE 4		EARTH GROUND WIRING		NEUTRAL		CONTROL WIRING	
GA800 CONFIGURED MODEL NO. BASE NUMBER G8C3XXXX		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		
		8	40	8	40		
A006	B004	OR	OR	OR	OR		
A009	B007	6 - 4	45	6 - 4	45		
A015	B011	OR	OR				
A022	B014	2 - 1/0	50				
A028	B021						
	B027						
	B034						
	B040						
A042		14 - 2/0	120	14 - 10	35		
A054	B052			OR	OR		
A068	B065			8	40		
A080	B077			OR	OR		
A104	B096			6 - 2/0	120		
A130	B124						
A154	B156						
A192	B180	6 - 250 kcmil	275	6 - 350 kcmil	275		
A248	B240						
A312	B302						
A360	B361						
	B414						
	B477						
	B515						
	B590						
	B720						

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