


- 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 G8C1XXXX		WITH OPTION PE OR PC TO CIRCUIT BREAKER CB1				OR, WITH OPTION PM TO CIRCUIT BREAKER CB1				OR, WITH OPTION PD, TO DISCONNECT SWITCH S1			
240V	480V	MFG. PART NUMBER	CURRENT RATING (AMPS)	WIRE SIZE RANGE (AWG)	TIGHTENING TORQUE (LB.-IN.)	MFG. PART NUMBER	CURRENT RATING (AMPS)	WIRE SIZE RANGE (AWG)	TIGHTENING TORQUE (LB.-IN.)	MFG. PART NUMBER	CURRENT RATING (AMPS)	WIRE SIZE RANGE (AWG)	TIGHTENING TORQUE (LB.-IN.)
A004	B002	H_36015	15	14 - 10	50	H_36015	15	14 - 10	50	H_36000S15	150	14 - 10	50
A006	B003			OR	OR			OR	OR			OR	OR
	B004			8 - 3/0	120			8 - 3/0	120			8 - 3/0	120
	B007												
A009	B011	H_36020	20			H_36020	20						
	B014	H_36025	25			H_36025	25						
A015		H_36030	30			H_36030	30						
	B021	H_36040	40			H_36040	40						
A022	B027	H_36050	50			H_36050	50						
A028	B034	H_36060	60			H_36060	60						
	B040	H_36070	70			H_36070	70						
A042	B052	H_36080	80			H_36080	80						
	B065	H_36090	90			H_36090	90						
A054	B077	H_36100	100			H_36100	100						
A068		H_36125	125			H_36125	125						
A080	B096	H_36150	150			H_36150	150						
A104													
	B124	J_36200LY	200	4 - 4/0	225	J_36200LY	200	4 - 4/0	225	J_36000S25LY	250	4 - 4/0	225
A130													
A154		J_36225	225	3/0 - 350 kcmil	225	J_36225	225	3/0 - 350 kcmil	225	J_36000S25	250	3/0 - 350 kcmil	225
	B156	J_36250	250			J_36250	250						
A192	B180	L_36400U31X	400	(1-2) x (2/0 - 500 kcmil)	(1-2) x 442	L_36400U31X	400	(1-2) x (2/0 - 500 kcmil)	(1-2) x 442	L_36000S40X	400	(1-2) x (2/0 - 500 kcmil)	(1-2) x 442
A248	B240												
	B302												
A312		M_36500	500	(1-3) x (3/0 - 500 kcmil)	(1-3) x 450	M_36500	500	(1-3) x (3/0 - 500 kcmil)	(1-3) x 450	L_36000S60X	600		
A360		M_36600	600			M_36600	600						
	B361	M_36500	500			P_34060	600						
	B414	M_36600	600										
	B477	P_36080	800			P_34080	800			P_34000S80	800	(1-3) x (3/0 - 500 kcmil)	(1-3) x 450
	B515												
	B590												
	B720	P_36100U44A	1000	(1-4) x (3/0 - 500 kcmil)	(1-4) x 450	P_36100U44A	1000	(1-4) x (3/0 - 500 kcmil)	(1-4) x 450	P_36000S10	1000	(1-4) x (3/0 - 500 kcmil)	(1-4) x 450

TABLE 2				
A.C. LINE WIRING				
G800 CONFIGURED MODEL NO. BASE NUMBER G8C1XXXX				
OR, WITHOUT OPTIONS PE, PC, PM OR PD TO INPUT POWER TERMINAL BLOCK TB2				
240V	480V	MFG. PART NUMBER	WIRE SIZE RANGE (AWG)	TIGHTENING TORQUE (LB.-IN.)
A004	B002	6H12-TSCU-F	16 - 10	35
A006	B003		OR	OR
A009	B004		8	40
A015	B007		OR	OR
A022	B011		6 - 4	45
A028	B014			
	B021			
	B027			
	B034			
A042	B040	1423572	14 - 10	35
A054	B052		OR	OR
A068	B065		8	40
A080	B077		OR	OR
	B096		6 - 2/0	120
A104	B124	MPDB67003	6 - 350 kcmil	275
A130	B156			
A154	B180			
A192				
A248	B240	MPDB69123	(1-2) x (6 - 350 kcmil)	(1-2) x 275
A312	B302			
A360	B361			
	B414			
	B477	MPDB69313	(1-2) x (4 - 500 kcmil)	(1-2) x 500
	B515			
	B590	1453411	(1-2) x (4 - 600 kcmil)	(1-2) x 500
	B720	PDB-55-500-1	(1-5) x (3/0 - 500 kcmil)	(1-5) x 450

TABLE 3				
BLOWER MOTOR STARTER WIRING				
GA800 CONFIGURED MODEL NO. BASE NUMBER G8C1XXXX				
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			


					DRAWN BY: K. MALUSIC	DATE: 8/1/18	TITLE: CUSTOMER CONNECTION GA800 CONFIGURED TYPE 1 ND RATING			
					CHECKED: N. LAWS	DATE: 8/1/18				
THIS DOCUMENT AND INFORMATION CONTAINED IN IT ARE CONFIDENTIAL, AND CANNOT BE COPIED OR DISCLOSED IN WHOLE OR IN PART WITHOUT THE EXPRESS WRITTEN CONSENT OF YASKAWA AMERICA INC.					TECH:	DATE:	ORIGINAL DESIGN: K. MALUSIC			
					APPROVED: K. FLIERL	DATE: 8/1/18				SIZE: C
REVISIONS					DRAWING #: UDE00577					
REV.	DESCRIPTION				ECO #	DRAWN BY	DATE			
01	ADDED OPTON TB				10925	KAP	10/28/20			
00	INITIAL RELEASE				-	KM	8/1/18			

**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 4		A.C. MOTOR WIRING						EARTH GROUND WIRING				
GA800 CONFIGURED MODEL NO. BASE NUMBER G8C1XXXX		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	35	14 - 10	35
	B003	RLW-04P80_										
A004	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_										
A054		RLW-00830_										
	B052	RLW-00650_										
A068		RLW-01040_										
A080												
	B065		MPDB67003		6 - 350 kcmil	275						
	B077											
A104	B096											
A130	B124											
A154	B156						CUSTOMER TO SUPPLY A UL LISTED CLOSED-LOOP CONNECTOR, USE 75° C COPPER WIRE ONLY	14 - 2/0	120			
A192		RLW-02500_										
	B180											
A248	B240	RLW-03220_										
	B302	RLW-04140_	(1-2) x (6 - 350 kcmil)	(1-2) x 375								
A312			CUSTOMER TO SUPPLY A UL LISTED CLOSED-LOOP CONNECTOR									
	B361	RLW-05150_										
A360												
	B414	RLW-06000_										
	B477											
	B515	RLW-07500_										
	B590											
	B720	RL-75002										

TABLE 5		OPTION PL				CONTROL WIRING	
GA800 CONFIGURED MODEL NO. BASE NUMBER G8C1XXXX		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	CUSTOMER TO SUPPLY A UL LISTED CLOSED-LOOP CONNECTOR, PER THE CDBR INSTALLATION MANUAL USE 75° C COPPER WIRE ONLY					
A192	B240						
A248	B302						
A312	B361						
A360	B414						
	B477						
	B515						
	B590						
	B720						

 <p>THIS DOCUMENT AND INFORMATION CONTAINED IN IT ARE CONFIDENTIAL, AND CANNOT BE COPIED OR DISCLOSED IN WHOLE OR IN PART WITHOUT THE EXPRESS WRITTEN CONSENT OF YASKAWA AMERICA INC.</p>	DRAWN BY: K. MALUSIC	DATE: 8/1/18	TITLE: CUSTOMER CONNECTION GA800 CONFIGURED TYPE 1 ND RATING		
	CHECKED: N. LAWS	DATE: 8/1/18			
	TECH:	DATE:			
	APPROVED: K. FLIERL	DATE: 8/1/18	SIZE: C	REVISION: 01	PAGE: 2 of 2
	ORIGINAL DESIGN: K. MALUSIC	DATE: 8/1/18	DRAWING #: UDE00577		