


CUSTOMER WIRING REQUIREMENTS

- FOR 0 TO 100 AMPS, USE A MINIMUM OF 60° - 75° C COPPER WIRE.
- FOR ABOVE 100 AMPS, USE A MINIMUM OF 75° C COPPER WIRE.

TABLE 1		A.C. LINE WIRING							
Z1000U CONFIGURED MODEL NO. BASE NUMBER Z1E1XXXX		WITH OPTION PM CIRCUIT BREAKER CB1				STANDARD NON-FUSED INPUT DISCONNECT SWITCH S1			
208V	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.)
	B011	H_36015	15	14 - 10 OR 8 - 3/0	50 OR 120	V0	20	14 - 8	20
	B014	H_36020	20						
	B021	H_36030	30						
D024		H_36035	35						
	B027	H_36040	40						
D030	B034	H_36050	50						
	B040	H_36060	60						
D046									
	B052	H_36070	70						
D059		H_36080	80						
	B065	H_36090	90						
D074		H_36100	100						
	B077	H_36110	110						
D088	B096	H_36125	125						
D114	B124	J_36175	175	4 - 4/0	225	H_36000S15	150	8 - 3/0	120
D143		J_36200	200	3/0 - 350 kcmil	225	J_36000S25	250	3/0 - 350 kcmil	225
	B156	J_36225	225						
D169	B180	J_36250	250						
D211		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
	B240								
	B302								
	B361	L_36600U31X	600						
	B414					L_36000S60X	600		

TABLE 2		A.C. MOTOR WIRING			
Z1000U CONFIGURED MODEL NO. BASE NUMBER Z1E1XXXX		WITHOUT OPTION PK TO STANDARD AC DRIVE	WITH OPTION PK LOAD REACTOR L4		
208V	480V		MFG. PART NUMBER	WIRE SIZE RANGE (AWG)	TIGHTENING TORQUE (LB.-IN.)
	B011	CUSTOMER TO SUPPLY A UL LISTED CLOSED-LOOP CONNECTOR, PER THE AC DRIVE TECHNICAL MANUAL	RLW-00140_	22 - 10	4.5
	B014		RLW-00210_	14 - 6	16
	B021		RLW-00280_		
D024	B027		RLW-00350_		
D030	B034		RLW-00460_		
	B040		RLW-00550_	6 - 4	45
D046	B052		RLW-00650_	OR	OR
D059	B065		RLW-00830_		
D074	B077		RLW-01040_	2 - 1/0	50
D088	B096		RLW-01300_	2, 1, 1/0, 2/0, OR 3/0, 4/0	150,
D114	B124		RLW-01600_		180,
D143			RLW-02000_		250
	B156		RLW-02500_	3/0, 4/0, (250-350) kcmil, OR (400-500) kcmil	250,
D169	B180		RLW-03220_		325, OR 375
D211		RLW-03220_	(1-2) x (6 - 350 kcmil)	(1-2) x 375	
	B302	RLW-04140_			
	B361	RLW-05150_			
	B414	RLW-06000_	CUSTOMER TO SUPPLY A UL LISTED CLOSED-LOOP CONNECTOR		


 <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: N. LAWS	DATE: 2/10/15	TITLE: CUSTOMER CONNECTION Z1000U CONFIGURED TYPE1		
	CHECKED: D.R. CMELAK	DATE: 2/10/15			
	TECH:	DATE:			
	APPROVED: K. FLIERL	DATE: 2/11/15	SIZE: C	REVISION: 00	PAGE: 1 of 2
	ORIGINAL DESIGN: N. LAWS	DATE: 2/10/15	DRAWING #: UDE00483		

REVISIONS				
REV.	DESCRIPTION	ECO #	DRAWN BY	DATE
00	INITIAL RELEASE	-	NSL	2/11/15

CUSTOMER WIRING REQUIREMENTS

- FOR 0 TO 100 AMPS, USE A MINIMUM OF 60° - 75° C COPPER WIRE.
- FOR ABOVE 100 AMPS, USE A MINIMUM OF 75° C COPPER WIRE.

TABLE 3		EARTH GROUND WIRING		CONTROL WIRING			
Z1000U CONFIGURED MODEL NO. BASE NUMBER Z1E1XXXX		GROUND LUG		A1 TERMINAL BLOCKS TB1-TB6		PANEL MOUNTED TERMINAL BLOCK TB1	
208V	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.)
	B011	14 - 10	35	24 - 16	4.4 - 5.3	26 - 10	5.3 - 7.1
	B014	OR	OR				
	B021			8	40		
D024	B027	OR	OR				
D030	B034			6 - 4	45		
	B040	OR	OR				
D046	B052			2	50		
D059	B065	14 - 2/0	120				
D074	B077			OR	OR		
D088	B096	OR	OR				
D114	B124			OR	OR		
D143	B156	OR	OR				
D169	B180			OR	OR		
D211	B240	OR	OR				
	B302			OR	OR		
	B361	OR	OR				
	B414			OR	OR		

 <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: N. LAWS	DATE: 2/10/15	TITLE: CUSTOMER CONNECTION Z1000U CONFIGURED TYPE 1		
	CHECKED: D.R. CMELAK	DATE: 2/10/15			
	TECH:	DATE:			
	APPROVED: K. FLIERL	DATE: 2/11/15	SIZE: C	REVISION: 00	PAGE: 2 of 2
ORIGINAL DESIGN: N. LAWS	DATE: 2/10/15	DRAWING #: UDE00483			