

**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 Z1E3XXXX		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__36020	20	14 - 10 OR 8 - 3/0	50 OR 120	OT30F3	30	14 - 4	55
	B014	H__36025	25						
	B021	H__36035	35						
	B027	H__36040	40						
D024		H__36045	45						
	B034	H__36050	50						
D030	B040	H__36060	60						
	B052	H__36070	70						
D046		H__36080	80						
D059	B065	H__36090	90						
	B077	H__36100	100						
D074		H__36110	110						
D088	B096	H__36125	125						
D114	B124	H__36150	150						
D143	B156	J__36200	200	4 - 4/0	225	J__36000S17	175	4 - 4/0	225
D169	B180	J__36225	225	3/0 - 350 kcmil	225	J__36000S25	250	3/0 - 350 kcmil	225
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						REMOTE EQUIPMENT WIRING		
Z1000U CONFIGURED MODEL NO. BASE NUMBER Z1E3XXXX		WITHOUT OPTION PK OR P8 TO STANDARD AC DRIVE	WITH OPTION PK AND WITHOUT OPTION P8 LOAD REACTOR L4			WITH OPTION P8 MOTOR TERMINAL BLOCK TB3			WITH OPTION SF PANEL MOUNTED FUSE BLOCK FOR REMOTE 115V RECEPTACLE	
208V	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.)
	B011	CUSTOMER TO SUPPLY A UL LISTED CLOSED-LOOP CONNECTOR, PER THE AC DRIVE TECHNICAL MANUAL  USE 75° C COPPER WIRE ONLY	RLW-00140_	22 - 10	4.5	LFS13003Z	14 - 2	40 - 50	22 - 10	25
	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_			1423572	14 - 10, 8, OR 6 - 2/0	35, 40, OR 120		
D074	B077		RLW-01040_	2 - 1/0	50					
D088	B096		RLW-01300_	2, 1,	150,					
D114	B124		RLW-01600_	1/0, 2/0, OR	180, OR					
D143	B156		RLW-02000_	3/0, 4/0	250					
D169	B180		RLW-02500_	3/0, 4/0, (250-350) kcmil, OR	250, 325, OR					
	B240		RLW-03220_	(400-500) kcmil	375	1453129	(1-2) x (4 - 350 kcmil)	(1-2) x 275		
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			MPDB69093	(1-2) x (4 - 500 kcmil)	(1-2) x 500		

TABLE 3		EARTH GROUND WIRING		NEUTRAL		CONTROL WIRING			
Z1000U CONFIGURED MODEL NO. BASE NUMBER Z1E3XXXX		GROUND LUG		PANEL MOUNTED TERMINAL BLOCK TBN1		A1 TERMINAL BLOCKS TB1-TB4		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.)	WIRE SIZE RANGE (AWG)	TIGHTENING TORQUE (LB.-IN.)
	B011	14 - 10 OR 8 OR 6 - 4 OR 2 - 1/0	35 OR 40 OR 45 OR 50	14 - 10,	35,	24 - 16	4.4 - 5.3	26 - 10	5.3 - 7.1
	B014								
	B021								
D024	B027								
D030	B034								
	B040								
D046	B052								
D059	B065								
D074	B077								
D088	B096								
D114	B124								
D143	B156								
D169	B180								
D211	B240								
	B302								
	B361								
	B414								
		6 - 250 kcmil	275	6 - 350 kcmil	275				

REVISIONS				
REV.	DESCRIPTION	ECO#	DRAWNBY	DATE
00	INITIAL RELEASE	-	NSL	8/19/15

<b>YASKAWA</b>	DRAWN BY: N. LAWS	DATE: 8/19/15	TITLE: CUSTOMER CONNECTION Z1000U CONFIGURED TYPE 3R 40C FULL	
	CHECKED: D.R. CMELAK	DATE: 8/20/15		
	TECH:	DATE:		
	APPROVED: K. FLIERL	DATE: 8/21/15	SIZE: C	REVISION: 00
	ORIGINAL DESIGN: N. LAWS	DATE: 8/19/15	PAGE: 1 of 1	DRAWING #: UDE00507