

**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							
MATRIX CONFIGURED MODEL NO. BASE NUMBER Z1EXXXXX \ U1E2XXXX		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	V0	20	14 - 8	20
	B014	H__36025	25						
	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	B077	H__36110	110						
D088		H__36125	125						
	B096	H__36150	150						
D114	B124	J__36175	175			4 - 4/0	225	H__36000S15	150
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			
MATRIX CONFIGURED MODEL NO. BASE NUMBER Z1EXXXXX		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	RLW-00140_	22 - 10	4.5	
	B014	RLW-00210_	14 - 6	16	
	B021	RLW-00280_			
D024	B027	RLW-00350_			
D030	B034	RLW-00460_	6 - 4	45	
	B040	RLW-00550_			
D046	B052	RLW-00650_			
D059	B065	RLW-00830_	OR	OR	
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		

REVISIONS				
REV.	DESCRIPTION	ECO #	DRAWN BY	DATE
02	CHANGED TEXT TO INCLUDE NEW MODELS AND ADDED TB5 SPECS	12784	KL	12/20/22
01	ADDED "(USE COPPER CONDUCTORS ONLY)" TO CUST. WIRING REQ.	7469	KM	11/10/16
00	INITIAL RELEASE	-	NSL	02/11/15

<b>YASKAWA</b>	DRAWN BY: N. LAWS	DATE: 02/10/15	TITLE: CUSTOMER CONNECTION Z1000U CONFIGURED		
	CHECKED: K. FLIERL	DATE: 02/10/15			
	TECH:	DATE:			
	APPROVED: K. FLIERL	DATE: 02/11/15	SIZE: C	REVISION: 02	PAGE: 1 of 2
ORIGINAL DESIGN: N. LAWS		DATE: 02/10/15	DRAWING #: UDE00483		

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TABLE 3		EARTH GROUND WIRING		CONTROL WIRING					
MATRIX CONFIGURED MODEL NO. BASE NUMBER Z1EXXXX \ U1E2XXXX		GROUND LUG		A1 TERMINAL BLOCKS TB1-TB4		A1 TERMINAL BLOCK TB5		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)	CURRENT RATING (AMPS)
	B011	14 - 10	35	24 - 16	4.4 - 5.3	20 - 14	4.4 - 8.9	26 - 10	5.3 - 7.1
	B014	OR	OR						
	B021								
D024	B027	8	40						
D030	B034	OR	OR						
	B040								
D046	B052	6 - 4	45						
D059	B065	OR	OR						
D074	B077								
D088	B096								
D114	B124								
D143	B156	14 - 2/0	120						
D169	B180								
D211	B240								
	B302								
	B361								
	B414								

<b>YASKAWA</b>	DRAWN BY: N. LAWS	DATE: 02/10/15	TITLE: CUSTOMER CONNECTION Z1000U CONFIGURED		
	CHECKED: D.R. CMELAK	DATE: 02/10/15			
	TECH:	DATE:			
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