

**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		J_36200	200	4 - 4/0	225	J_36000S17	175	4 - 4/0	225
	B156					J_36000S25	250	3/0 - 350 kcmil	225
D169	B180	J_36225	225	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 P8 TO STANDARD AC DRIVE	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.)	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	LFS13003Z	14 - 2	40 - 50	22 - 10	25
	B014						
	B021						
D024	B027						
D030	B034						
	B040						
D046	B052						
D059	B065		1423572	14 - 10, 8, OR 6 - 2/0	35, 40, OR 120		
D074	B077						
D088	B096		MPDB67003	6 - 350 kcmil	275		
D114	B124						
D143							
	B156						
D169	B180		1453129	(1-2) x (4 - 350 kcmil)	(1-2) x 275		
	B240						
D211							
	B302						
	B361						
	B414	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	35	14 - 10,	35,	24 - 16	4.4 - 5.3	26 - 10	5.3 - 7.1
	B014								
	B021	OR	OR						
D024	B027	8	40	8,	40,				
D030	B034	OR	OR						
D046	B052	6 - 4	45						
D059	B065	OR	OR	OR	OR				
D074		2 - 1/0	50						
	B077	14 - 2/0	120						
D088	B096			6 - 2/0	120				
D114	B124								
D143	B156	6 - 250 kcmil	275	6 - 350 kcmil	275				
D169	B180								
D211	B240								
	B302								
	B361								
	B414								

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



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