


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									
Z1000 CONFIGURED MODEL NO. BASE NUMBER Z1C1XXXX		WITH OPTION PC OR 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.)		
D002	B001	H__36015	15	14 - 10 OR 8 - 3/0	50 OR 120	V0	20	14 - 8	19		
D003	B002										
D004	B003										
D006	B004										
D007	B007										
D010	B011										
D016	B014										
D024	B021	H__36020	20	4 - 4/0	225	V3	45	12 - 6	40		
	B027	H__36025	25								
		H__36035	35								
		H__36040	40								
D030	B034	H__36050	50								
D046	B040	H__36060	60								
	B052	H__36080	80								
D059											
D074	B065	H__36100	100								
	B077	H__36110	110								
D088	B096	H__36150	150								
D114	B124	J__36175	175			3/0 - 350 kcmil	225	H__36000S15	150	8 - 3/0	120
D143	B156	J__36250	250			(1-2) x (2/0 - 500 kcmil)	(1-2) x 442	J__36000S25	250	3/0 - 350 kcmil	225
D169	B180										
D211	B240	L__36400U31X	400								
D273	B302			(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		
D343	B361	L__36600U31X	600			L__36000S60X	600				
D396	B414			(1-3) x (3/0 - 500 kcmil)	(1-3) x 450	P__34000S80	800	(1-3) x (3/0 - 500 kcmil)	(1-3) x 450		
	B477	P__3_080	800								
	B515										
	B590										

TABLE 2		EARTH GROUND WIRING		CONTROL WIRING			
Z1000 CONFIGURED MODEL NO. BASE NUMBER Z1C1XXXX		GROUND LUG		A1 TERMINAL BLOCKS TB1-TB4		A1 TERMINAL BLOCK TB5 (FE)	
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.)
	B001	14 - 10	35	24 - 16	4.4 - 5.3	14 - 22	4.4 - 5.3
D002	B002						
D003	B003						
D004	B004						
D006	B007						
D007	B011						
D010	B014						
D016	B021	8	40				
D024	B027						
D030							
	B034						
	B040						
D046							
D059							
	B052	6 - 4	45				
D074	B065						
	B077						
D088	B096						
D114	B124						
D143							
D169	B156						
	B180	2	50				
D211	B240						
D273							
D343	B302						
D396	B361						
	B414						
	B477						
	B515	6 - 250 kcmil	275				
	B590						

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	CHECKED: K. FLIERL	DATE: 4/16/12			
	TECH:	DATE:			
	APPROVED: J. ZUEHLKE	DATE: 4/16/12	SIZE: C	REVISION: 00	PAGE: 1 of 1
	ORIGINAL DESIGN: K. FLIERL	DATE: 4/16/12	DRAWING #: UDE00362		

REVISIONS				
REV.	DESCRIPTION	ECO #	DRAWN BY	DATE
00	INITIAL RELEASE	-	KM	4/16/12