

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.
(UNLESS SPECIFIED OTHERWISE)

TABLE 1

A.C. LINE WIRING

A1000 CONFIG. MODEL NO. BASE NUMBER A1C*XXXX	WITH OPTION PC OR PE, TO CIRCUIT BREAKER CB1				OR, WITH OPTION PD, TO DISCONNECT SWITCH S1			
	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.)
480V								
B477	M_336700	700	(1-3) x (3/0-500 kcmil)	(1-3) x 450	PJL36000S60	600	(1-3) x (3/0-500 kcmil)	(1-3) x 450
B515								
B590	M_L36800	800			PJL36000S80	800		
B660	P_L36080CU31A							

TABLE 2

A.C. LINE WIRING

NEUTRAL

CONTROL WIRING

A1000 CONFIG. MODEL NO. BASE NUMBER A1C*XXXX	OR, WITHOUT OPTIONS PC, PE OR PD TO INPUT POWER TERMINAL BLOCK TB2			TERMINAL BLOCK TBN1		TERMINAL BLOCK TB1	
	MFG. PART NUMBER	WIRE SIZE RANGE (AWG)	TIGHTENING TORQUE (LB.-IN.)	WIRE SIZE RANGE (AWG)	TIGHTENING TORQUE (LB.-IN.)	WIRE SIZE RANGE (AWG)	TIGHTENING TORQUE (LB.-IN.)
480V							
B477	MPDB69313	(1-2) x (4-500 kcmil)	(1-2) x 500	6-350 kcmil	275	24 - 16	4.4 - 5.3
B515							
B590	1453411	(1-2) x (2-600 kcmil)	(1-2) x 500				
B660							

TABLE 3

A.C. MOTOR WIRING

EARTH GROUND WIRING

A1000 CONFIG. MODEL NO. BASE NUMBER A1C*XXXX	WITH OPTION PH, TO LOAD REACTOR L4			OR, WITHOUT OPTION PH, TO STANDARD AC DRIVE	GROUND LUGS	
	MFG. PART NUMBER	WIRE SIZE RANGE (AWG)	TIGHTENING TORQUE (LB.-IN.)		WIRE SIZE RANGE (AWG)	TIGHTENING TORQUE (LB.-IN.)
480V						
B477	RLW-06000_	CUSTOMER TO SUPPLY A UL LISTED CLOSED-LOOP CONNECTOR		CUSTOMER TO SUPPLY A UL LISTED CLOSED-LOOP CONNECTOR, PER THE AC DRIVE TECHNICAL MANUAL USE 75°C COPPER WIRE ONLY	6-250 kcmil	275
B515	RLW-07500_					
B590						
B660	RL-7500_					

REVISIONS

REV.	DESCRIPTION	ECO #	DRAWN BY	DATE
01	ADDED NEW STYLE MERSEN #'s & RANGES	4734	NSL	11/18/13
00	INITIAL RELEASE	-	DRC	8/16/12



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DRAWN BY: D.R. CMELAK	DATE 8/16/12	TITLE: CUSTOMER CONNECTION A1000 CONFIGURED TYPE 3R ND RATING ENCL F2
CHECKED: D. PACKER	DATE 8/16/12	
TECH:	DATE	SIZE C
APPROVED: K. FLIERL	DATE 8/16/12	REVISION 01
ORIGINAL DESIGN: D.R. CMELAK	DATE 8/16/12	PAGE 1 of 1
		DRAWING #: UDE00346