

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 480V	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.)
B414	M_336600	600	(1-3) x (3/0-500 kcmil)	(1-3) x 450	LGL36000S60X	600	(1-2) x (2/0-500 kcmil)	(1-2) x 442
B477	M_L36700	700			PJL36000S60	600	(1-3) x (3/0-500 kcmil)	(1-3) x 450
B515								
B590	M_L36800	800			PJL36000S80	800	(1-3) x (3/0-500 kcmil)	(1-3) x 450

TABLE 2

A.C. LINE WIRING

NEUTRAL

CONTROL WIRING

A1000 CONFIG. MODEL NO. BASE NUMBER A1C *XXXX 480V	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.)
B414	MPDB69123	(1-2) x (6-350 kcmil)	(1-2) x 275	6-350 kcmil	275	24 - 16	4.4 - 5.3
B477	MPDB69313	(1-2) x (4-500 kcmil)	(1-2) x 500				
B515							
B590	1453411	(1-2) x (2-600 kcmil)	(1-2) x 500				

TABLE 3


A.C. MOTOR WIRING

EARTH GROUND WIRING

A1000 CONFIG. MODEL NO. BASE NUMBER A1C *XXXX 480V	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.)
B414	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
B477						
B515	RLW-07500_					
B590						

REVISIONS

REV.	DESCRIPTION	ECO #	DRAWN BY	DATE
01	ADDED NEW STYLE MERSEN #'s & RANGES	4734	NSL	11/20/13
00	INITIAL RELEASE	-	DRC	8/16/12

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	CHECKED: D. PACKER	DATE 8/16/12	
	TECH:	DATE	
	APPROVED: K. FLIERL	DATE 8/16/12	
ORIGINAL DESIGN: D.R. CMELAK	DATE 8/16/12	DRAWING #: UDE00347	