

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								
IQPUMP1000 CONFIG. MODEL NO. BASE NUMBER Q1C*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	(1-3) x (3/0-500 kcmil)	(1-3) x 450
B660	P_L36080CU31A							

TABLE 2 A.C. LINE WIRING								
IQPUMP1000 CONFIG. MODEL NO. BASE NUMBER Q1C*XXXX	OR, WITHOUT OPTIONS PC, PE OR PD TO INPUT POWER TERMINAL BLOCK TB2			NEUTRAL		CONTROL WIRING		
	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	
IQPUMP1000 CONFIG. MODEL NO. BASE NUMBER Q1C*XXXX	WITH OPTIONS PH OR PK, TO LOAD REACTOR L4			OR, WITHOUT OPTIONS PH OR PK, 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_						

		DRAWN BY: D.R. CMELAK	DATE: 11/16/12	TITLE: CUSTOMER CONNECTION IQPUMP1000 CONFIGURED TYPE 3R ND RATING ENCL F2
THIS DOCUMENT AND INFORMATION CONTAINED IN IT ARE CONFIDENTIAL, AND CANNOT BE COPIED OR DISCLOSED IN WHOLE OR IN PART WITHOUT THE EXPRESS WRITTEN CONSENT OF YASKAWA AMERICA INC.		CHECKED: D. PACKER	DATE: 11/16/12	SIZE: C
		TECH: K. FLIERL	DATE: 11/16/12	REVISION: 01
		APPROVED: D.R. CMELAK	DATE: 11/16/12	PAGE: 1 of 1
		ORIGINAL DESIGN: D.R. CMELAK	DATE: 11/16/12	DRAWING #: UDE00391

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