

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

IQPUMP1000 CONFIG. MODEL NO. BASE NUMBER Q1C * XXXX	A.C. LINE WIRING				CUSTOMER TO SUPPLY A UL LISTED CLOSED-LOOP CONNECTOR, PER THE AC DRIVE TECHNICAL MANUAL USE 75°C COPPER WIRE ONLY
	TO CIRCUIT BREAKER CB1		TO DRIVE A1		
480V	MFR. PART NUMBER	CURRENT RATING (AMPS)	WIRE SIZE RANGE (AWG)	TIGHTENING TORQUE (LB.-IN.)	
B477	M_336700	700	(1-3) x (3/0-500 kcmil)	(1-3) x 450	
B515					
B590	M_L36800	800			
B660	P_L36080CU31A				

TABLE 2

IQPUMP1000 CONFIG. MODEL NO. BASE NUMBER Q1C * XXXX	A.C. HARMONIC LINE WIRING				
	TO HARMONIC FILTER				
480V	MFR.	FILTER MFR. PART NUMBER	CURRENT RATING (AMPS)	WIRE SIZE RANGE (AWG)	TIGHTENING TORQUE (LB.-IN.)
B477	ARTECHE	LPF 0549 KS ____ 65KASCCR LG ___	549	(1-4) x (2-600 kcmil)	(1-4) x 500
B515	ARTECHE	LPF 0619 KS ____ 65KASCCR LG ___	619		
B590	ARTECHE	LPF 0666 KS ____ 65KASCCR LG ___	666	(1-4) x (300-800 kcmil)	(1-4) x 500
B660	ARTECHE	LPF 0809 KS ____ 65KASCCR LG ___	809		


TABLE 3

IQPUMP1000 CONFIG. MODEL NO. BASE NUMBER Q1C * XXXX	A.C. MOTOR WIRING			OR, WITHOUT OPTIONS PH OR PK, TO STANDARD AC DRIVE
	WITH OPTIONS PH OR PK, TO LOAD REACTOR L4			
480V	MFR. PART NUMBER	WIRE SIZE RANGE (AWG)	TIGHTENING TORQUE (LB.-IN.)	
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
B515	RLW-07500_			
B590				
B660	RL-7500_			

TABLE 4

IQPUMP1000 CONFIG. MODEL NO. BASE NUMBER Q1C * XXXX	EARTH GROUND WIRING		NEUTRAL		CONTROL WIRING	
	GROUND LUGS		TERMINAL BLOCK TBN1		TERMINAL BLOCK TB1	
	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	6-250 kcmil	275	6-350 kcmil	275	24 - 16	4.4 - 5.3
B515						
B590						
B660						

REVISIONS				
REV.	DESCRIPTION	ECO #	DRAWN BY	DATE
00	INITIAL RELEASE	-	NSL	10/10/13

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	CHECKED: D.R. CMELAK	DATE 10/10/13		
	TECH:	DATE	SIZE C	REVISION 00
	APPROVED: K. FLIERL	DATE 10/10/13	PAGE 1 of 1	
ORIGINAL DESIGN: N. LAWS	DATE 10/10/13	DRAWING #: UDE00435		