

CUSTOMER WIRING REQUIREMENTS


- FOR 0 TO 100 AMPS, USE A MINIMUM OF 60° - 75° C COPPER WIRE. (USE COPPER CONDUCTORS ONLY)
- FOR ABOVE 100 AMPS, USE A MINIMUM OF 75° C COPPER WIRE. (USE COPPER CONDUCTORS ONLY)

TABLE 1		A.C. LINE WIRING						
IQPUMP 1000 SPBC CONFIG. MODEL NO. BASE NUMBER Q1C3*XXXX		WITH OPTION PC OR PE, TO CIRCUIT BREAKER CB1				OR, WITHOUT OPTION PC OR PE, TO INPUT POWER TERMINAL BLOCK TB2		
240V	480V	MFG. PART NUMBER	CURRENT RATING (AMPS)	WIRE SIZE RANGE (AWG)	TIGHTENING TORQUE (LB.-IN.)	MFG. PART NUMBER	WIRE SIZE RANGE (AWG)	TIGHTENING TORQUE (LB.-IN.)
	T021	H_L36050	50	14 - 10 OR 8 - 3/0	50 OR 120	1423572	14 - 10 OR 8 OR 6 - 2/0	35 OR 40 OR 120
	T027	H_L36060	60					
	T034	H_L36070	70					
	T040	H_L36080	80					
H042	T052	H_L36110	110					
H054								
H068	T065	H_L36150	150					
H080	T077					MPDB67003	6 - 350 kcmil	275
H104		J_M36225	225	3/0 - 350 kcmil	225			

TABLE 2		A.C. MOTOR WIRING											
IQPUMP 1000 SPBC CONFIG. MODEL NO. BASE NUMBER Q1C3*XXXX		WITH OPTION PH TO LOAD REACTOR L4			WITH OPTION PZ TO OUTPUT dV/dt FILTER L4			WITH OPTION P8 TO MOTOR TERMINAL BLOCK TB3			WITHOUT OPTION PH, PZ, OR P8 TO STANDARD AC DRIVE		
240V	480V	MFG. PART NUMBER	WIRE SIZE RANGE (AWG)	TIGHTENING TORQUE (LB.-IN.)	MFG. PART NUMBER	WIRE SIZE RANGE (AWG)	TIGHTENING TORQUE (LB.-IN.)	MFG. PART NUMBER	WIRE SIZE RANGE (AWG)	TIGHTENING TORQUE (LB.-IN.)			
	T021	RLW-003505	14 - 6	16	DVSP0022E	18 - 4	16	1413300	14 - 10	35	CUSTOMER TO SUPPLY A UL LISTED CLOSED-LOOP CONNECTOR, PER THE AC DRIVE TECHNICAL MANUAL USE 75 °C COPPER WIRE ONLY		
	T027	RLW-003503			DVSP0027E							OR	OR
	T034	RLW-004603			DVSP0035E							8	40
H042	T040	RLW-00550_	6 - 4	45	DVSP0045E	6 - 4	45	OR	OR				
	T052	RLW-006503			DVSP0055E					OR		OR	
H054		RLW-00830_	OR	OR	DVSP0065E	CUSTOMER TO SUPPLY A UL LISTED CLOSED-LOOP CONNECTOR	MPDB62153	14 - 10	35				
	T065				DVSP0080E					OR		OR	
H068					2 - 1/0					50		OR	40
H080	T077	RLW-01040_	2 - 1 OR 1/0 - 2/0 OR 3/0 - 4/0	150 OR 180 OR 250	DVSP0110E	6 - 4	45	OR	OR				
H104		RLW-01300_			OR					50		OR	50

TABLE 3		WITH STD. CIRCUIT BREAKER OR OPTION PC							
IQPUMP 1000 SPBC CONFIG. MODEL NO. BASE NUMBER Q1C3*XXXX		EARTH GROUND WIRING		NEUTRAL		CONTROL WIRING		MOTOR GROUND WIRING	
240V	480V	GROUND LUG		TERMINAL BLOCK TBN1		TERMINAL BLOCK TB1		TERMINAL BLOCK TB4	
		WIRE SIZE RANGE (AWG)	TIGHTENING TORQUE (LB.-IN.)	WIRE SIZE RANGE (AWG)	TIGHTENING TORQUE (LB.-IN.)	WIRE SIZE RANGE (AWG)	TIGHTENING TORQUE (LB.-IN.)	WIRE SIZE RANGE (AWG)	TIGHTENING TORQUE (LB.-IN.)
A042	B021	14 - 2/0	120	14 - 10, 8, OR 6 - 2/0	35, 40, OR 120	24 - 16	4.4 - 5.3	14 - 10, 8, 6 - 4, OR 2	35, 40, 45, OR 50
A054	B027								
	B034								
	B040								
	B052								
A068		6 - 250 kcmil	275	6 - 350 kcmil	275			14 - 10, 8, 6 - 1, OR 1/0	35, 40, 120, OR 120
A080									
A104									
	B065								
	B077								

REVISIONS				
REV.	DESCRIPTION	ECO #	DRAWN BY	DATE
00	INITIAL RELEASE	--	EAA	12/06/17

 <p>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.</p>	DRAWN BY: E. ACKMERMAN	DATE: 5/23/17	TITLE: CUSTOMER CONNECTION IQPUMP1000 CONFIGURED W/ SPBC, TYPE 3R (ND), STANDARD		
	CHECKED: N. LAWS	DATE: 11/01/17			
	TECH:	DATE:			
	APPROVED: K. FLIERL	DATE: 12/06/17	SIZE: C	REVISION: 00	PAGE: 1 of 1
ORIGINAL DESIGN: E. ACKERMAN	DATE: 5/23/17	DRAWING #: UDE00556			