

**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 CONFIGURED 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	225			

TABLE 2		A.C. LINE WIRING						
IQPUMP 1000 SPBC CONFIGURED MODEL NO. BASE NUMBER Q1C3*XXXX		WITH OPTION PC OR PE AND WITH (OPTION P4), TO CIRCUIT BREAKER CB1				OR, WITHOUT OPTION PC OR PE AND WITH (OPTION P4), 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	225			

TABLE 3		A.C. MOTOR WIRING
IQPUMP 1000 SPBC CONFIGURED MODEL NO. BASE NUMBER Q1C3*XXXX		WITHOUT OPTION PH, PZ, OR P8 TO STANDARD AC DRIVE
240V	480V	
H042	T021	CUSTOMER TO SUPPLY A UL LISTED CLOSED-LOOP CONNECTOR, PER THE AC DRIVE TECHNICAL MANUAL
H054	T027	
H068	T034	
H080	T040	
H0104	T052	
	T065	USE 75 °C COPPER WIRE ONLY
	T077	

TABLE 4		EARTH GROUND WIRING		NEUTRAL		CONTROL WIRING	
IQPUMP 1000 SPBC CONFIGURED MODEL NO. BASE NUMBER Q1C3*XXXX		GROUND LUG		TERMINAL BLOCK TBN1		TERMINAL BLOCK TB1	
240V	480V	WIRE SIZE RANGE (AWG)	TIGHTENING TORQUE (LB.-IN.)	WIRE SIZE RANGE (AWG)	TIGHTENING TORQUE (LB.-IN.)	WIRE SIZE RANGE (AWG)	TIGHTENING TORQUE (LB.-IN.)
H042	B021	14 - 2/0	120	14 - 10, 8, OR 6 - 2/0	35, 40, OR 120	24 - 16	4.4 - 5.3
H054	B027						
H068	B034						
H080	B040						
H104	B052						
	B065						
	B077						

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

<b>YASKAWA</b>	DRAWN BY: E. ACKMERMAN	DATE: 5/23/17	TITLE: CUSTOMER CONNECTION IQPUMP1000 CONFIGURED W/ SPBC, TYPE 3R (ND), COMPACT		
	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 #: UDE00565		