

CUSTOMER WIRING REQUIREMENTS

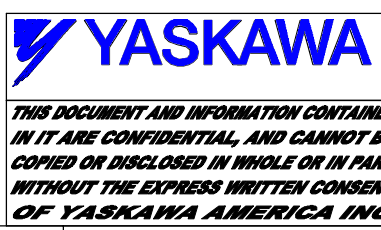
- FOR 0 TO 100 AMPS, USE A MINIMUM OF 60°-75°C COPPER WIRE.
- FOR ABOVE 100 AMPS, USE A MINIMUM OF 75°C COPPER WIRE.
(UNLESS SPECIFIED OTHERWISE)

TABLE 1

IQPUMP1000 CONFIG. MODEL NO. BASE NUMBER Q1C*XXXX			A.C. LINE WIRING							
240V	480V	600V	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.)
A002	B001	C1P3	H_L36015	15	14 - 10	50	BTCN30	30	14 - 10	35
	B002	C1P7			OR	OR			OR	OR
A003	B003	C002			8 - 3/0	120			8 - 4	40
A004	B004	C003							OR	OR
A006	B007	C006							3, 2	45
A009	B011	C009	H_L36020	20						
A015	B014	C011	H_L36025	25						
		C017	H_L36035	35						
	B021		H_L36040	40						
A022							BTDN60	60		
A028	B027	C022	H_L36050	50						
	B034	C027	H_L36060	60						
		C032	H_L36070	70						
	B040	C041								
A042			H_L36080	80						
	B052		H_L36080	80						
		C052								
	B065		H_L36090	90						
A054		C062	H_L36100	100					10	35
	B077		H_L36110	110					OR	OR
			H_L36125	125					8 - 4	40
A068		C077	H_L36125	125					OR	OR
A080	B096		H_L36150	150					3 - 1/0	45
A104									6 - 300 kcmil	375
		C099	J_L36175	175	4 - 4/0	225				
A130	B124	C125	J_L36200LY	200						
A154			J_M36225	225	3/0 - 350 kcmil	225				
	B156	C144	J_M36250	250						
A192	B180		L_L36400U31X	400	(1-2) x (2/0-500 kcmil)	(1-2) x 442	JGL36000S25	250	3/0 - 350 kcmil	225
		C192					LGL36000S40X	400	(1-2) x (2/0-500 kcmil)	(1-2) x 442
A248	B240	C242	L_M36400U31X	400			LGM36000S40X	400	(1-2) x (2/0-500 kcmil)	(1-2) x 442
	B302									
A312	B361		M_L36500	500	(1-3) x (3/0-500 kcmil)	(1-3) x 450	LGL36000S40X	400	(1-2) x (2/0-500 kcmil)	(1-2) x 442
A360	B414		M_L36600	600			LGL36000S60X	600	(1-2) x (2/0-500 kcmil)	(1-2) x 442

TABLE 2

IQPUMP1000 CONFIG. MODEL NO. BASE NUMBER Q1C*XXXX			A.C. LINE WIRING		
240V	480V	600V	OR, WITHOUT OPTIONS PC, PE OR PD TO INPUT POWER TERMINAL BLOCK TB2		
			MFG. PART NUMBER	WIRE SIZE RANGE (AWG)	TIGHTENING TORQUE (LB.-IN.)
A002	B001	C1P3	6H12-TSCU-F	16 - 10	35
A003	B002	C1P7		OR	OR
A004	B003	C002		8	40
A006	B004	C003		OR	OR
A009	B007	C006		6 - 4	45
A015	B011	C009			
A022	B014	C011			
A028	B021	C017			
	B027	C022			
	B034	C027			
		C032			
		C041			
A042	B040	C052	1423572	14 - 10	35
A054	B052	C062		OR	OR
A068	B065	C077		8	40
A080	B077			OR	OR
	B096			6 - 2/0	120
A104	B124	C099	MPDB67003	6 - 350 kcmil	275
A130	B156	C125			
A154	B180	C144			
A192		C192			
A248	B240	C242	MPDB69123	(1-2) x (6-350 kcmil)	(1-2) x 275
A312	B302				
A360	B361				
	B414				



DRAWN BY: D.R. CMELAK	DATE 11/16/12	TITLE: CUSTOMER CONNECTION IQPUMP1000 CONFIGURED TYPE 3R ND RATING
CHECKED BY: D. PACKER	DATE 11/16/12	SIZE C
TECH:	DATE	REVISION 01
APPROVED BY: K. FLIERL	DATE 11/16/12	PAGE 1 of 2
ORIGINAL DESIGN: D.R. CMELAK	DATE 11/16/12	DRAWING #: UDE00390

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

- 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 3

IQPUMP1000 CONFIG. MODEL NO. BASE NUMBER Q1C *XXXX			A.C. MOTOR WIRING		
240V	480V	600V	WITH OPTIONS PH OR PK, TO LOAD REACTOR L4		OR, WITHOUT OPTIONS PH OR PK, TO STANDARD AC DRIVE
			MFG. PART NUMBER	WIRE SIZE RANGE (AWG)	TIGHTENING TORQUE (LB.-IN.)
		C1P3	RLW-01P60_	22 - 10	4.5
	B001	C1P7	RLW-02P10_		
	B002	C002	RLW-03P40_		
A002	B003	C003	RLW-04P80_		
A003	B004	C006	RLW-07P60_		
A004					
	B007	C009	RLW-00110_		
A006	B011	C011	RLW-00140_		
A009	B014	C017	RLW-00210_	14 - 6	16
A015		C022	RLW-00280_		
A022					
A028	B021	C027	RLW-00350_		
	B027				
	B034	C032	RLW-00460_		
A042	B040	C041	RLW-00550_	6 - 4 OR	45 OR
	B052	C052	RLW-00650_		
A054	B065	C062	RLW-00830_	2 - 1/0	50
A068					
A080	B077	C077	RLW-01040_		
A104	B096	C099	RLW-01300_	2 - 1 OR	150 OR
A130	B124	C125	RLW-01600_		
A154	B156	C144	RLW-02000_	1/0 - 2/0 OR 3/0 - 4/0	180 OR 250
A192	B180	C192	RLW-02500_		
A248	B240	C242	RLW-03220_		
				250 - 350 kcmil OR 400 - 500 kcmil	325 OR 375
A312	B302		RLW-04140_		
A360	B361		RLW-05150_		
	B414		RLW-060003	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

TABLE 4

IQPUMP1000 CONFIG. MODEL NO. BASE NUMBER Q1C *XXXX			EARTH GROUND WIRING		NEUTRAL		CONTROL WIRING	
240V	480V	600V	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.)
A002	B001	C1P3	14-10	35	16-10	35	24 - 16	4.4 - 5.3
A003	B002	C1P7	OR	OR	OR	OR		
A004	B003	C002	8	40	8	40		
A006	B004	C003	OR	OR	OR	OR		
A009	B007	C006	6-4	45	6-4	45		
A015	B011	C009	OR	OR				
A022	B014	C011	2-1/0	50				
A028	B021	C017						
	B027							
	B034	C022	14-2/0	120	14-10	35		
A042	B040	C027			OR	OR		
A054	B052	C032			8	40		
A068	B065	C041			OR	OR		
A080	B077	C052			6-2/0	120		
A104	B096	C062						
A130	B124	C077						
A154	B156	C099						
A192	B180	C125	6-250 kcmil	275	6-350 kcmil	275		
A248	B240	C144						
A312	B302	C192						
A360	B361	C242						
	B414							

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