

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			
A1000 CONFIG. BASE NUMBER A1C * XXXX	MODEL NO.		TO CIRCUIT BREAKER CB1			
	240V	480V	MFG. PART NUMBER	CURRENT RATING (AMPS)	WIRE SIZE RANGE (AWG)	TIGHTENING TORQUE (LB.-IN.)
A002	B001	C1P3	H_L36015SA	15	14 - 10	50
	B002	C1P7				
A003	B003	C002			OR	OR
A004	B004	C003				
A006	B007	C006			8 - 3/0	120
A009	B011	C009	H_L36020SA	20		
A015	B014	C011	H_L36025SA	25		
		C017	H_L36035SA	35		
	B021		H_L36040SA	40		
A022						
A028	B027	C022	H_L36050SA	50		
	B034	C027	H_L36060SA	60		
		C032	H_L36070SA	70		
	B040	C041				
A042	B052		H_L36080SA	80		
		C052				
	B065		H_L36090SA	90		
A054		C062	H_L36100SA	100		
	B077		H_L36110SA	110		
A068		C077	H_L36125SA	125		
A080	B096		H_L36150SA	150		
A104						
		C099	J_L36175SA	175	4 - 4/0	225
A130	B124	C125	J_L36200SALY	200		
A154			J_M36225SA	225	3/0 - 350 kcmil	225
	B156	C144	J_M36250SA	250		
A192	B180		L_L36400U31XSA	400	(1-2) x (2/0-500 kcmil)	(1-2) x 442
		C192				
A248	B240	C242	L_M36400U31XSA	400		
	B302					
A312	B361		M_L36500SA	500	(1-3) x (3/0-500 kcmil)	(1-3) x 450
A360	B414		M_L36600SA	600		
	B477		M_L36700SA	700		
	B515					
	B590		M_L36800SA	800		
	B660		P_L36100U44ASA	1000	(1-4) x (3/0-500 kcmil)	(1-4) x 450

TABLE 2			BLOWER MOTOR STARTER WIRING		
A1000 CONFIG. BASE NUMBER A1C * XXXX	MODEL NO.		WITH OPTION TB, TO OVERLOAD RELAY S10		
	240V	480V	MFG. PART NUMBER	WIRE SIZE RANGE (AWG)	TIGHTENING TORQUE (LB.-IN.)
A002	B515		LRD15	18 - 8	15
A003	B590				
A004	B660				
A006					
A009					
A015					
A022					
A028					
A042					
A054					
A068					
A080					
A104					
A130					
A154					
A192					
A248					
A312					
A360					
	B001	C1P3	LRD06	18 - 8	15
	B002	C1P7			
	B003	C002			
	B004	C003			
	B007	C006			
	B011	C009			
	B014	C011			
	B021	C017			
	B027	C022			
	B034	C027			
	B040	C032			
	B052	C041			
	B065	C052			
	B077	C062			
	B096	C077			
	B124	C099			
	B156	C125			
	B180	C144			
	B240	C192			
	B302	C242			
	B361				
	B414				
	B477				

<p align="center">YASKAWA</p> <p><i>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.</i></p>					DRAWN BY: K. MALUSIC	DATE: 02/02/21	TITLE: CUSTOMER CONNECTION A1000 CONFIGURED TYPE 12 ND RATING WITH OPTION PJ		
					CHECKED: K. PEOPLES	DATE: 02/02/21	TECH: 	SIZE C	REVISION 00
REVISIONS					APPROVED: R. JENSEN	DATE: 02/02/21	DRAWING #: UDE00690		
REV.	DESCRIPTION	ECO #	DRAWN BY	DATE	ORIGINAL DESIGN: K. MALUSIC	DATE: 02/02/21			
00	INITIAL RELEASE	-	KM	02/02/21					

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A1000 CONFIG. MODEL NO. BASE NUMBER A1C *XXXX			A.C. MOTOR WIRING			EARTH GROUND WIRING			
			WITH OPTION PH, TO LOAD REACTOR L4			OR, WITHOUT OPTION PH, TO STANDARD AC DRIVE	A.C. LINE GROUND LUG		BLOWER MOTOR GROUND LUG
240V	480V	600V	MFG. PART NUMBER	WIRE SIZE RANGE (AWG)	TIGHTENING TORQUE (LB.-IN.)		WIRE SIZE RANGE (AWG)	TIGHTENING TORQUE (LB.-IN.)	WIRE SIZE RANGE (AWG)
		C1P3	RLW-01P60_	22 - 10	4.5	14-10	35	14-10	35
	B001	C1P7	RLW-02P10_			OR	OR	OR	OR
	B002	C002	RLW-03P40_			8	40	8	40
A002	B003	C003	RLW-04P80_			OR	OR	OR	OR
A003	B004	C006	RLW-07P60_			6-4	45	6-4	45
A004						OR	OR	OR	OR
	B007	C009	RLW-00110_			2	50	2	50
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 - 1/0	45				
	B052	C052	RLW-00650_						
A054	B065	C062	RLW-00830_						
A068									
A080	B077	C077	RLW-01040_						
A104	B096	C099	RLW-01300_	2 - 1	150				
A130	B124		RLW-01600_	OR	OR				
A154	B156		RLW-02000_	1/0 - 2/0	180				
	B180		RLW-02500_	OR	OR				
		C125	RLW-01600_	3/0 - 4/0	250				
		C144	RLW-02000_			14-2/0	120		
A192		C192	RLW-02500_	250 - 350 kcmil	325				
A248	B240	C242	RLW-03220_						
	B302		RLW-04140_	(1-2) x (6-350 kcmil)	(1-2) x (375)				
A312			RLW-04140_						
	B361		RLW-05150_						
A360						6-250 kcmil	275		
	B414		RLW-060003						
	B477								
	B515		RLW-075003						
	B590								
	B660		RL-75002						

CUSTOMER TO SUPPLY
A UL LISTED
CLOSED-LOOP
CONNECTOR, PER
THE AC DRIVE
TECHNICAL MANUAL
USE 75°C COPPER
WIRE ONLY

CUSTOMER TO SUPPLY A
UL LISTED CLOSED-LOOP
CONNECTOR

A1000 CONFIG. MODEL NO. BASE NUMBER A1C *XXXX			OPTION PJ		CONTROL WIRING	
			TO A1000 DRIVE		OR, TO CDBR A2, A3, A4	
240V	480V	600V	WIRE SIZE RANGE (AWG)	TIGHTENING TORQUE (LB.-IN.)	WIRE SIZE RANGE (AWG)	TIGHTENING TORQUE (LB.-IN.)
A002	B001	C1P3			24 - 16	4.4 - 5.3
A003	B002	C1P7				
A004	B003	C002				
A006	B004	C003				
A009	B007	C006				
A015	B011	C009				
A022	B014	C011				
A028	B021	C017				
A042	B027	C022				
A054	B034	C027				
A068	B040	C032				
A080	B052	C041				
A104	B065	C052				
A130						
A154	B077	C062				
A192	B096	C077				
A248	B124	C099				
A312	B156	C125				
A360	B180	C144				
	B240	C192				
	B302	C242				
	B361					
	B414					
	B477					
	B515					
	B590					
	B660					

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