

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. MODEL NO. BASE NUMBER ATC * XXXX			TO CIRCUIT BREAKER CB1			
240V	480V	600V	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. MODEL NO. BASE NUMBER ATC * XXXX			WITH OPTION TB, TO OVERLOAD RELAY S10		
240V	480V	600V	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				

YASKAWA					DRAWN BY: K. MALUSIC	DATE: 6/5/12	TITLE: CUSTOMER CONNECTION A1000 CONFIGURED TYPE 1 ND RATING WITH OPTION PJ		
					CHECKED: D.R. CMELAK	DATE: 6/5/12			
					TECH:	DATE:			
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					ORIGINAL DESIGN: S. ROBERSON	DATE: 2/2/12	DRAWING #: UDE00343		

REVISIONS				
REV.	DESCRIPTION	ECO #	DRAWN BY	DATE
03	ADDED MOTOR WIRING TO TB3 WITH OPTION PH	7521	KM	02/02/21
02	ADDED "(USE COPPER CONDUCTORS ONLY)" TO CUST. WIRING REQ.	7469	KM	11/10/16

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TABLE 3

A1000 CONFIG. MODEL NO. BASE NUMBER A1C *XXXX	A.C. MOTOR WIRING					EARTH GROUND WIRING				
	WITH OPTION PH, TO LOAD REACTOR L4		OR, WITH OPTION PH, TO TERMINAL BLOCK TB3			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.)	MFG. PART NUMBER	WIRE SIZE RANGE (AWG)	TIGHTENING TORQUE (LB.-IN.)	WIRE SIZE RANGE (AWG)	TIGHTENING TORQUE (LB.-IN.)	WIRE SIZE RANGE (AWG)	TIGHTENING TORQUE (LB.-IN.)
	C1P3	RLW-01P60	22 - 10				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						
		C052	RLW-00650							
A054		C062	RLW-00830							
A068										
A080			RLW-01040							
A104	B052 C077				MPDB67003	6 - 350 kcmil	275			
A130	B065 C099									
A154	B077									
	B096									
	B124									
	B156									
	B180	RLW-02500	2-1	150			14-2/0	120		
		C125	OR	OR						
		RLW-01600	1/0 - 2/0	180						
		C144	OR	OR						
		RLW-02000	3/0-4/0	250						
A192		C192	RLW-02500							
A248	B240 C242	RLW-03220	250-350 kcmil	325						
	B302									
A312		RLW-04140	(1-2) x (6-350 kcmil)	(1-2)x(375)						
	B361									
A360		RLW-05150					6-250 kcmil	275		
	B414									
	B477	RLW-060003	CUSTOMER TO SUPPLY A UL LISTED CLOSED-LOOP CONNECTOR							
	B515	RLW-075003								
	B590									
	B660	RL-75002								

TABLE 4

A1000 CONFIG. MODEL NO. BASE NUMBER A1C *XXXX	OPTION PJ				CONTROL WIRING	
	TO A1000 DRIVE		OR, TO CDBR A2, A3, A4		TERMINAL BLOCK TB1	
240V 480V 600V	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					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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SIZE C	REVISION 03	PAGE 2 of 2
DRAWING #: UDE00343		