

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				
			MFG. PART NUMBER	CURRENT RATING (AMPS)	WIRE SIZE RANGE (AWG)	TIGHTENING TORQUE (LB.-IN.)	
240V	480V	600V					
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			
A022	B021		H_L36040SA	40			
A028	B027	C022	H_L36050SA	50			
	B034	C027	H_L36060SA	60			
		C032	H_L36050SA	50			
A042	B040	C041	H_L36070SA	70			
	B052		H_L36080SA	80			
		C052					
A054	B065		H_L36090SA	90			
		C062	H_L36100SA	100			
A068	B077		H_L36110SA	110			
A080	B096	C077	H_L36125SA	125			
A104			H_L36150SA	150			
	B124	C099	J_L36175SA	175	4 - 4/0	225	
A130		C125	J_L36200SALY	200			
		C144					
A154	B156		J_M36225SA	225	3/0 - 350 kcmil	225	
	B180		J_M36250SA	250			
A192			L_L36400U31XSA	400	(1-2) x (2/0-500 kcmil)	(1-2) x 442	
		C192					
A248	B240		L_M36400U31XSA	400			
A312	B302						
A360	B361		M_L36500SA	500	(1-3) x (3/0-500 kcmil)	(1-3) x 450	
	B414		M_L36600SA	600			
	B477		M_L36700SA	700			
	B515						
	B590		M_L36800SA	800			

TABLE 2			BLOWER MOTOR STARTER WIRING			
A1000 CONFIG. MODEL NO. BASE NUMBER ATC*XXXX			WITH OPTION TB, TO OVERLOAD RELAY S10			
			MFG. PART NUMBER	WIRE SIZE RANGE (AWG)	TIGHTENING TORQUE (LB.-IN.)	
240V	480V	600V				
A002	B515		LRD15	18 - 8	15	
A003	B590					
A004						
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					
	B361					
	B414					
	B477					

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REV.	DESCRIPTION	ECO #	DRAWN BY	DATE		CHECKED: K. PEOPLES	DATE: 02/02/21		SIZE: C	REVISION: 00	PAGE: 1 of 2
00	INITIAL RELEASE	-	KM	02/02/21		APPROVED: R. JENSEN	DATE: 02/02/21		DRAWING #:	UDE00689	
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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, WITHOUT OPTION PH, TO STANDARD AC DRIVE	GROUND LUG
240V	480V	600V	MFG. PART NUMBER	WIRE SIZE RANGE (AWG)	TIGHTENING TORQUE (LB.-IN.)		WIRE SIZE RANGE (AWG)
		C1P3	RLW-01P60_	22 - 10	4.5	14-10 OR 8 OR 6-4 OR 2	35 OR 40 OR 45 OR 50
	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	CUSTOMER TO SUPPLY A UL LISTED CLOSED-LOOP CONNECTOR, PER THE AC DRIVE TECHNICAL MANUAL USE 75°C COPPER WIRE ONLY	
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		RLW-01300_	2 - 1 OR	150 OR		
A130	B124		RLW-01600_				
A154	B156		RLW-02000_	1/0 - 2/0 OR	180 OR		
		C099	RLW-01300_				
		C125	RLW-01600_	3/0 - 4/0 OR	250 OR		
		C144	RLW-02000_				
	B180		RLW-02500_				
A192		C192	RLW-02500_	250 - 350 OR 400-500 kcmil	325 OR 375		
	B240		RLW-03220_				
	B302		RLW-04140_	(1-2) x (6-350 kcmil)	(1-2) x 375		
A248			RLW-03220_				
A312			RLW-04140_				
	B361		RLW-05150_				
A360							
	B414		RLW-06000_	CUSTOMER TO SUPPLY A UL LISTED CLOSED-LOOP CONNECTOR			
	B477						
	B515		RLW-07500_				
	B590						

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	CUSTOMER TO SUPPLY A UL LISTED CLOSED-LOOP CONNECTOR, PER THE AC DRIVE TECHNICAL MANUAL USE 75°C COPPER WIRE ONLY			24 - 14	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	CUSTOMER TO SUPPLY A UL LISTED CLOSED-LOOP CONNECTOR, PER THE AC DRIVE TECHNICAL MANUAL USE 75°C COPPER WIRE ONLY					
A080	B052	C041						
A104								
A130	B065	C052						
A154	B077	C062						
A192	B096	C077						
A248	B124	C099						
A312	B156	C125						
A360	B180	C144						
	B240	C192						
	B302							
	B361							
	B414							
	B477							
	B515							
	B590							

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