


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			A.C. LINE WIRING							
A1000 CONFIG. MODEL NO. BASE NUMBER A1C*XXXX			WITH OPTION PC OR PE, TO CIRCUIT BREAKER CB1				OR, WITH OPTION PD, TO DISCONNECT SWITCH S1			
240V	480V	600V	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								
A003	B003	C002			OR	OR			OR	OR
A004	B004	C003								
A006	B007	C006			8 - 3/0	120			8 - 4	40
A009	B011	C009	H_L36020	20					OR	OR
A015	B014	C011	H_L36025	25						
		C017	H_L36035	35					3, 2	45
	B021		H_L36040	40			BTDN60	60		
A022										
A028	B027	C022	H_L36050	50						
	B034	C027	H_L36060	60						
		C032	H_L36070	70						
	B040	C041								
A042	B052		H_L36080	80			BTEN10	100	10	35
		C052							OR	OR
	B065		H_L36090	90					8 - 4	40
A054		C062	H_L36100	100					OR	OR
	B077		H_L36110	110					3 - 1/0	45
A068		C077	H_L36125	125						
A080	B096		H_L36150	150			TFB1	200	6 - 300 kcmil	375
A104										
		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
	B477		M_L36700	700			PJL36000S60	600	(1-3) x (3/0-500 kcmil)	(1-3) x 450
	B515									
	B590		M_L36800	800						
	B660		P_L36080CU31A	800			PJL36000S80	800	(1-3) x (3/0-500 kcmil)	(1-3) x 450

TABLE 2			A.C. LINE WIRING		
A1000 CONFIG. MODEL NO. BASE NUMBER A1C*XXXX			OR, WITHOUT OPTIONS PC, PE OR PD TO INPUT POWER TERMINAL BLOCK TB2		
240V	480V	600V	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		MPDB69313	(1-2) x (4-500 kcmil)	(1-2) x 500
	B414				
	B515		1453411	(1-2) x (4-600 kcmil)	(1-2) x 500
	B590				
	B660				

TABLE 3			BLOWER MOTOR STARTER WIRING		
A1000 CONFIG. MODEL NO. BASE NUMBER A1C*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				

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	CHECKED BY: D. PACKER	DATE: 8/8/12		
	TECH:	DATE:		
	APPROVED BY: K. FLIERL	DATE: 8/8/12		
ORIGINAL DESIGN: S. ROBERSON	DATE: 2/2/12	SIZE: C	REVISION: 03	PAGE: 1 of 2
DRAWING #: UDE00342				


REVISIONS				
REV.	DESCRIPTION	ECO #	DRAWN BY	DATE
03	ADDED NEW STYLE MERSEN #'s & RANGES	4734	NSL	11/18/13
02	Chg. A042 & B052 Disconnect Sw.'s to BTEN10	3591	DRC	8/8/12
01	Replace Sq. D D Frame CB/MCS's w/ L Frame	3470	KM	6/5/12

**CUSTOMER WIRING REQUIREMENTS**

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

A1000 CONFIG. MODEL NO. BASE NUMBER A1C *XXXX			A.C. MOTOR WIRING			EARTH GROUND WIRING				
240V	480V	600V	WITH OPTION PH, TO LOAD REACTOR L4			OR, WITHOUT OPTION PH, TO STANDARD AC DRIVE	A.C. LINE GROUND LUG		BLOWER MOTOR GROUND LUG	
			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.)
	B001	C1P3	RLW-01P60	22 - 10	4.5	CUSTOMER TO SUPPLY A UL LISTED CLOSED-LOOP CONNECTOR, PER THE AC DRIVE TECHNICAL MANUAL USE 75°C COPPER WIRE ONLY	14-10	35	14-10	35
		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							

A1000 CONFIG. MODEL NO. BASE NUMBER A1C *XXXX			OPTION PL				CONTROL WIRING	
240V	480V	600V	TO A1000 DRIVE		OR, TO CDBR A2, A3, A4		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	CUSTOMER TO SUPPLY A UL LISTED CLOSED-LOOP CONNECTOR, PER THE AC DRIVE TECHNICAL MANUAL USE 75°C COPPER WIRE ONLY				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					CUSTOMER TO SUPPLY A UL LISTED CLOSED-LOOP CONNECTOR, PER THE AC DRIVE TECHNICAL MANUAL USE 75°C COPPER WIRE ONLY	
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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	CHECKED BY: D. PACKER	DATE 8/8/12	
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