

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 A1C *XXXX	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.)
480V								
B720	3VA6710_	1000	(1-4) x (1/0-500 kcmil)	(1-4) x 375	3VA5712_	1200	(1-4) x (1/0-500 kcmil)	(1-4) x 375
B810	3VA6712_	1200						
B900	3VA6710_	1000						
B930	3VA6712_	1200						
BK09								
BK20	3VA6816_	1600	(1-6) x (1/0-750 kcmil)	(1-6) x 375	3VA5816_	1600	(1-6) x (1/0-750 kcmil)	(1-6) x 375

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		
	MFG. PART NUMBER	WIRE SIZE RANGE (AWG)	TIGHTENING TORQUE (LB.-IN.)
480V			
B720	PDB-55-500-1	(1-5) x (3/0-500kcmil)	450
B810			
B900			
B930	PDB-55-600-1	(1-5) x (250-600kcmil)	450
BK09			
BK20			

TABLE 3

A.C. MOTOR WIRING

BLOWER MOTOR STARTER WIRING

A1000 CONFIG. MODEL NO. BASE NUMBER A1C *XXXX	WITH OPTION PH, TO LOAD REACTOR L4			OR, WITHOUT OPTION PH, TO STANDARD AC DRIVE	WITH OPTION TB, TO OVERLOAD RELAY S10		
	MFG. PART NUMBER	WIRE SIZE RANGE (AWG)	TIGHTENING TORQUE (LB.-IN.)		MFG. PART NUMBER	WIRE SIZE RANGE (AWG)	TIGHTENING TORQUE (LB.-IN.)
480V							
B720	RL-75002	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	LRD15	8 - 18	15
B810	RL-90002B14						
B900							
B930	RL-100002B14						
BK09	RL-120002B14						
BK20							

TABLE 4

EARTH GROUND WIRING

A1000 CONFIG. MODEL NO. BASE NUMBER A1C *XXXX	A.C. LINE GROUND LUG		BLOWER MOTOR GROUND LUG	
	WIRE SIZE RANGE (AWG)	TIGHTENING TORQUE (LB.-IN.)	WIRE SIZE RANGE (AWG)	TIGHTENING TORQUE (LB.-IN.)
480V				
B720	6-250 kcmil	275	14 - 10	35
B810				
B900				
B930				
BK09				
BK20				

TABLE 5

CONTROL WIRING

A1000 CONFIG. MODEL NO. BASE NUMBER A1C *XXXX	TERMINAL BLOCK TB1	
	WIRE SIZE RANGE (AWG)	TIGHTENING TORQUE (LB.-IN.)
480V		
B720	24 - 18	4.4 - 5.3
B810		
B900		
B930		
BK09		
BK20		



DRAWN BY: S. PETERSON	DATE 2/2/12	TITLE: CUSTOMER CONNECTION A1000 CONFIGURED TYPE 1 & 12 ND RATING HIGH HORSEPOWER
CHECKED: D.R. CMELAK	DATE 2/2/12	
TECH:	DATE	
APPROVED: J. ZUEHLKE	DATE 2/2/12	SIZE C
ORIGINAL DESIGN: S. PETERSON	DATE 2/2/12	REVISION 03
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		DRAWING #: UDE00333

REVISIONS

REV.	DESCRIPTION	ECO #	DRAWN BY	DATE
03	CHANGED BREAKER MANUF. P/N FROM VL TO 3VA SERIES	13594	RJJ	01/26/24
02	ADDED "(USE COPPER CONDUCTORS ONLY)" TO CUST. WIRING REQ.	7469	KM	11/10/16

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