

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			
	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								
B660	_NX3_100L	1000	(1-4) x (1/0-500 kcmil)	(1-4) x 375	HMS3S800	800	(1-3) x (1/0-500 kcmil)	(1-3) x 375
B720					HNS3S120	1200		
B810	_NX3_120L	1200						
B900								
B930	_NY3_120L	1200						
BK09								

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			
B660	PDB-55-500-1	(1-5) x (3/0-500kcmil)	450
B720			
B810			
B900			
B930			
BK09	PDB-55-600-1	(1-5) x (250-600kcmil)	450

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							
B660	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
B720							
B810	RL-90002B14						
B900							
B930	RL-100002B14						
BK09	RL-120002B14						

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				
B660	6-250 kcmil	275	14 - 10	35
B720				
B810				
B900				
B930				
BK09				

TABLE 5

CONTROL WIRING

P1000 CONFIG. MODEL NO. BASE NUMBER P1C * XXXX	TERMINAL BLOCK TB1	
	WIRE SIZE RANGE (AWG)	TIGHTENING TORQUE (LB.-IN.)
480V		
B660	24 - 18	4.4 - 5.3
B720		
B810		
B900		
B930		
BK09		



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DRAWN BY: S. PETERSON	DATE 2/2/12
CHECKED: D.R. CMELAK	DATE 2/2/12
TECH:	DATE
APPROVED: J. ZUEHLKE	DATE 2/2/12
ORIGINAL DESIGN: S. PETERSON	DATE 2/2/12

TITLE: CUSTOMER CONNECTION A1000 CONFIGURED TYPE 1 & 12 HD RATING HIGH HORSEPOWER		
SIZE C	REVISION 01	PAGE 1 of 1
DRAWING #: UDE00334		

REVISIONS				
REV.	DESCRIPTION	ECO #	DRAWN BY	DATE
01	CHG. SIEMENS CIRCUIT BREAKER PART NO.'S	3693	KM	10/22/12
00	INITIAL RELEASE	-	SLP	2/2/12