

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								
B720	_NX3_100L	1000	(1-4) x (1/0-500 kcmil)	(1-4) x 375	HNS3S120	1200	(1-4) x (1/0-500 kcmil)	(1-4) x 375
B810	_NX3_120L	1200						
B900	_NY3_100L	1000						
B930	_NY3_120L	1200						
BK09					HNS3S160	1600	(1-6) x (1/0-750 kcmil)	(1-6) x 375
BK20	_PX3_160	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

A1000 CONFIG. MODEL NO. BASE NUMBER A1C *XXXX	WITH OPTION PH, TO LOAD REACTOR L4			OR, WITHOUT OPTION PH, TO STANDARD AC DRIVE
	MFG. PART NUMBER	WIRE SIZE RANGE (AWG)	TIGHTENING TORQUE (LB.-IN.)	
480V				
B720	RL-7500_	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	
B810	RL-9000_B14			
B900				
B930	RL-10000_B14			
BK09	RL-12000_B14			
BK20				

TABLE 4

A1000 CONFIG. MODEL NO. BASE NUMBER A1C *XXXX	EARTH GROUND WIRING		NEUTRAL WIRING	
	TO GROUND LUGS		TO TERMINAL BLOCK TBN1	
	WIRE SIZE RANGE (AWG)	TIGHTENING TORQUE (LB.-IN.)	WIRE SIZE RANGE (AWG)	TIGHTENING TORQUE (LB.-IN.)
480V				
B720	6-250 kcmil	275	6-350 kcmil	275
B810				
B900				
B930				
BK09				
BK20				

TABLE 5

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



THIS DOCUMENT AND INFORMATION CONTAINED IN IT ARE CONFIDENTIAL, AND CANNOT BE COPIED OR DISCLOSED IN WHOLE OR IN PART WITHOUT THE EXPRESS WRITTEN CONSENT OF YASKAWA AMERICA INC.

DRAWN BY: D.R. CMELAK	DATE: 12/21/12
CHECKED: D. PACKER	DATE: 12/21/12
TECH:	DATE:
APPROVED: K. FLIERL	DATE: 12/21/12
ORIGINAL DESIGN: D.R. CMELAK	DATE: 12/21/12

TITLE: CUSTOMER CONNECTION A1000 CONFIGURED TYPE 3R ND RATING HIGH HORSEPOWER		
SIZE C	REVISION 00	PAGE 1 of 1
DRAWING #: UDE00404		

REVISIONS				
REV.	DESCRIPTION	ECO #	DRAWN BY	DATE
00	INITIAL RELEASE	-	DRC	12/21/12