


**CUSTOMER WIRING REQUIREMENTS**

- FOR 0 TO 100 AMPS, USE A MINIMUM OF 60 °C - 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							
HV600 NARROW CONFIGURED MODEL NO. BASE NUMBER H6CPXXXX		WITH OPTION PM CIRCUIT BREAKER CB1				STANDARD NON-FUSED INPUT DISCONNECT SWITCH S1			
208V	480V	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.)
D002	B001	HLL36015	15	14 - 10 OR 8 - 3/0	50 OR 120	OT30F3	30	14 - 4	55
D003	B002								
D004	B003								
D006	B004								
D007	B007								
	B011								
D010		HLL36020	20			OT60F3	60		
D016	B014	HLL36025	25						
D024	B021	HLL36030	30						
	B027	HLL36040	40						
D030	B034	HLL36050	50			OT100F3	100	8 - 1/0	55
D046	B040								
	B052	HLL36080	80						
D059	B065	HLL36110	110			OT200U12	200	4 - 300	275
D074	B077								
D088		HLL36150	150						
	B096								
D114									

TABLE 2		A.C. MOTOR WIRING				EARTH GROUND WIRING		CONTROL WIRING							
HV600 NARROW CONFIGURED MODEL NO. BASE NUMBER H6CPXXXX		A1 DRIVE TERMINALS (T1,T2,T3)		A1 DRIVE TERMINALS (GND)		GROUND LUG		A1 TERMINAL BLOCKS TB1,TB3-TB7		A1 TERMINAL BLOCK TB2 (FE)					
208V	480V	WIRE SIZE RANGE (AWG)	TIGHTENING TORQUE (LB.-IN.)	WIRE SIZE RANGE (AWG)	TIGHTENING TORQUE (LB.-IN.)	WIRE SIZE RANGE (AWG)	TIGHTENING TORQUE (LB.-IN.)	WIRE SIZE RANGE (AWG)	TIGHTENING TORQUE (LB.-IN.)	WIRE SIZE RANGE (AWG)	TIGHTENING TORQUE (LB.-IN.)				
D002	B001	CUSTOMER TO WIRE PER THE AC DRIVE TECHNICAL MANUAL. USE 75 °C COPPER WIRE ONLY		CUSTOMER TO SUPPLY A UL LISTED CLOSED-LOOP CONNECTOR, PER THE AC DRIVE TECHNICAL MANUAL USE 75 °C COPPER WIRE ONLY		14 - 10	35	24 - 16	4.4 - 5.3	24 - 16	8.85 - 10.62				
D003	B002									OR	OR				
D004	B003									8	40				
D006	B004														
D007	B007														
D010	B011														
D016	B014									OR	OR				
D024	B021									6 - 4	45				
D030	B027														
D046	B034														
D059	B040									OR	OR				
	B052														
	B065														
D074	B077	CUSTOMER TO SUPPLY A UL LISTED CLOSED-LOOP CONNECTOR, PER THE AC DRIVE TECHNICAL MANUAL USE 75 °C COPPER WIRE ONLY				2	50								
D088															
	B096														
D114															

REVISIONS				
REV.	DESCRIPTION	ECO #	DRAWN BY	DATE
00	INITIAL RELEASE	-	EAA	02/03/20

 <p><b>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.</b></p>	DRAWN BY: E. ACKERMAN	DATE: 5/13/18	TITLE: CUSTOMER CONNECTION HV600 CONFIGURED NARROW TYPE 1		
	CHECKED: R. JENSEN	DATE: 2/3/20			
	TECH:	DATE:			
	APPROVED: R. JENSEN	DATE: 2/3/20	SIZE: C	REVISION: 00	PAGE: 1 of 1
	ORIGINAL DESIGN: E. ACKERMAN	DATE: 5/13/18	DRAWING #: UDE00573		