

**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 H6CNXXXX		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								
D007	B004								
	B007								
D010		HLL36020	20			OT60F3	60		
D016	B014	HLL36025	25						
D024	B021	HLL36030	30						
	B027	HLL36040	40						
D030	B034	HLL36050	50						
D046	B040	HLL36080	80			OT100F3	100	8 - 1/0	55
D059			HLL36110	110					

TABLE 2		A.C. MOTOR WIRING				EARTH GROUND WIRING		CONTROL WIRING			
HV600 NARROW CONFIGURED MODEL NO. BASE NUMBER H6CNXXXX		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				
D007	B004					OR	OR				
D010	B007					6 - 4	45				
D016	B011					OR	OR				
D024	B014					2	50				
D030	B021										
D046	B027										
D059	B034										
	B040										
	B052										

<b>YASKAWA</b>					DRAWN BY: K. PEOPLES  CHECKED: K. MALUSIC  TECH:  APPROVED: R. JENSEN  ORIGINAL DESIGN: K. PEOPLES	DATE: 05/13/22  DATE: 05/13/22  DATE:  DATE: 05/16/22  DATE: 05/13/22	TITLE: CUSTOMER CONNECTION HV600 CONFIGURED NARROW TYPE 12  SIZE: C  REVISION: 00  DRAWING #: UDE00722
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REVISIONS							
REV.	DESCRIPTION	ECO #	DRAWN BY	DATE			
00	INITIAL RELEASE	-	KAP	05/16/22			