

**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 BYPASS MODEL NO. BASE NUMBER H6BPXXXX		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.)
	B1P1	H_ _36015	15	14 - 10 OR 8 - 3/0	50 OR 120	V0	20	14 - 8	19
D002	B001								
D003	B002								
D004	B003								
	B004								
D006	B007	H_ _36020	20						
D007									
D010	B011	H_ _36025	25						
	B014	H_ _36035	35						
D016		H_ _36040	40						
	B021	H_ _36050	50			V3	45	10, 8, OR 6 - 2	35, 40, OR 50
D024	B027	H_ _36060	60			V4	63		
D030	B034	H_ _36070	70						
	B040	H_ _36080	80						
D046	B052	H_ _36110	110			V5	100	8 - 2/0	200
D059		H_ _36125	125						
	B065	H_ _36150	150						
D074						V6	115		
	B077					H_ _36000S15	150	8 - 3/0	120

TABLE 2		A.C. MOTOR WIRING			EARTH GROUND WIRING		CONTROL WIRING							
HV600 NARROW BYPASS MODEL NO. BASE NUMBER H6BPXXXX		STANDARD MOTOR TERMINAL BLOCK TB1			GROUND LUG		A1 TERMINAL BLOCKS TB1,TB3-TB6		A1 TERMINAL BLOCK TB2 (FE)		A2 TERMINAL BLOCKS TB1-TB4 AND TB6			
208V	480V	MFG. PART NUMBER	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.)		
	B1P1	NDN111A-WH	14 - 2	32	14 - 10,	35,	24 - 16	4.4 - 5.3	24-18	8.85-10.62	26-14	4		
D002	B001													
D003	B002												8,	40,
D004	B003													
D006	B004												6 - 4,	45,
D007	B007													
D010	B011												OR	OR
D016	B014													
D024	B021												2	50
D030	B027													
D046	B034												14 - 10,	35,
D059	B040												8,	40,
	B052			6 - 4,	45,									
	B065			OR	OR									
D074	B077	MPDB63153	6 - 2/0	120	2 - 1/0	50								

REVISIONS				
REV.	DESCRIPTION	ECO #	DRAWN BY	DATE
02	ADDED 0.5HP, 480V, MODEL H6BPB1P1	11801	RJJ	11/1/21
01	CHANGED THE A1 TERMINAL BLOCK TB2 (FE) WIRE RANGE TO 24-18 AWG	10627	EAA	6/8/20
00	INITIAL RELEASE	--	EAA	2/3/20

<b>YASKAWA</b>	DRAWN BY: E. ACKERMAN	DATE: 5/13/18	TITLE: CUSTOMER CONNECTION HV600 BYPASS NARROW TYPE 1		
	CHECKED: R. JENSEN	DATE: 2/3/20	SIZE: C	REVISION: 02	PAGE: 1 of 1
	TECH:	DATE:			
	APPROVED: R. JENSEN	DATE: 2/3/20	ORIGINAL DESIGN: E. ACKERMAN	DATE: 5/13/18	DRAWING #: UDE00526

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