

CUSTOMER WIRING REQUIREMENTS

- FOR 0 TO 100 AMPS, USE A MINIMUM OF 60° - 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 BYPASS MODEL NO. BASE NUMBER H6B2XXXX			WITH OPTION PM CIRCUIT BREAKER CB1				STANDARD NON-FUSED INPUT DISCONNECT SWITCH S1			
208V	240V	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	A002	B1P1	H_36015	15	14 - 10 OR 8 - 3/0	50 OR 120	V0	20	14 - 8	19
D003	A003	B001								
D004	A004	B002								
		B003								
		B004								
D007	A006	B007	H_36020	20						
D010	A009	B011	H_36025	25						
	A015	B014	H_36035	35						
D016			H_36040	40						
	A022	B021	H_36050	50			V3	45	10 OR 8	35 OR 40
D024		B027	H_36060	60					OR 6 - 2	OR 50
	A028		H_36070	70						
D030		B034					V4	63		
		B040	H_36080	80						
	A042		H_36100	100						
D046		B052	H_36110	110			V5	100	8 - 1/0	200
D059	A054		H_36125	125						
		B065	H_36150	150						
	A068		H_36150M74							
D074	A080						V6	115		
D088		B077	H_36150				H_36000S15	150	14 - 10 OR 8 - 3/0	50 OR 120
		B096	H_36150M74							
D114	A104	B124	J_36250M75	250	4 - 4/0	225	J_36000S17	175	4 - 4/0	225
	A130									
D143	A154	B156			3/0 - 350 kcmil		J_36000S25	250	3/0 - 350 kcmil	
D169		B180								
	A192		L_36400U31X	400	(1-2) x (2/0 - 500 kcmil)	(1-2) x 442				
D211							L_36000S40X	400	(1-2) x (2/0 - 500 kcmil)	(1-2) x 442
D273	A248	B240	L_36600U31X	600	(1-2) x (2/0 - 500 kcmil)	(1-2) x 442				
		B302					L_36000S60X	600		

TABLE 2			A.C. MOTOR WIRING			EARTH GROUND WIRE		CONTROL WIRING							
HV600 BYPASS MODEL NO. BASE NUMBER H6B2XXXX			WITH STANDARD MOTOR TERMINAL BLOCK TB3			GROUND LUG		A1 TERMINAL BLOCKS TB1, TB3-TB6		A1 TERMINAL BLOCK TB2 (FE)		A2 TERMINAL BLOCK TB1-TB4 AND TB6		PANEL TERMINAL BLOCK TB4	
208V	240V	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.)	WIRE SIZE RANGE (AWG)	TIGHTENING TORQUE (LB.-IN.)
D002	A002	B1P1	NBN111A-WH	14 - 2	32	14 - 10 OR 8 OR 6 - 4 OR 2	35 OR 40 OR 45 OR 50	24 - 16	4.4 - 5.3	24 - 18	4.85 - 10.62	26 - 14	4	26 - 10	5.3 - 7.1
D003	A003	B001													
D004	A004	B002													
D007	A006	B003													
D010	A009	B004													
D016	A015	B007													
D024	A022	B011													
D030	A028	B014													
D046	A042	B021													
D059	A054	B027													
	A068	B034													
		B040													
		B052													
		B065													
D074	A080	B077	MPDB63153	14 - 8 OR 6 - 2/0	50 OR 120										
D088	A104	B096													
D114			1323572	14 - 10 OR 8 OR 6 - 2/0	35 OR 40 OR 120										
	A130	B124	MPDB67523	(1-2) x (6) OR (4) OR (3 - 4/0)	(1-2) X 80 OR 100 OR 150										
D143	A154	B156													
D169		B180	1333126	6 - 350 kcmil	275										
	A192	B180				14 - 2/0	120								
D211	A248	B240	MPDB69093	(1-2) x (4 - 500 kcmil)	(1-2) x 500										
D273		B302													

REVISIONS				
REV.	DESCRIPTION	ECO #	DRAWN BY	DATE
01	ADDED B1P1 MODEL	12039	RJJ	05/20/22
00	INITIAL RELEASE	-	KAP	7/29/20

YASKAWA	DRAWN BY: K. PEOPLES	DATE: 7/29/20	TITLE: CUSTOMER CONNECTION HV600 BYPASS TYPE 12		
	CHECKED: N. LAWS	DATE: 7/29/20			
	TECH:	DATE:			
	APPROVED: R. JENSEN	DATE: 7/29/20	SIZE: C	REVISION: 01	PAGE: 1 of 1
ORIGINAL DESIGN: K. PEOPLES	DATE: 7/29/20	DRAWING #: UDE00649			