

- 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 CONFIGURED MODEL NO. BASE NUMBER H6C3XXXX			WITH OPTION PM, TO CIRCUIT BREAKER CB1				OR, STANDARD, TO 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	H_36000S15	150	14 - 10 OR 8 - 3/0	50 OR 120
D003	A003	B001								
D004	A004	B002								
D007	A006	B003								
	A009	B004								
		B007								
		B011								
D010	A015	B014								
D016		B021								
D024	A022									
	A028	B027	H_36030	30						
		B034	H_36035	35						
		B040	H_36040	40						
	A042		H_36050	50						
		B040	H_36060	60						
	A054	B052	H_36070	70						
		B065	H_36080	80						
	A068	B077	H_36090	90						
	A080		H_36100	100						
		B096	H_36110	110						
	A104	B124	H_36150	150						
	A130		J_36175	175						
					4 - 4/0	225				
	A154	B156	J_36200LY	200			J_36000S17	175	4 - 4/0	225
		B180	J_36225	225	3/0 - 350 kcmil	225	J_36000S25	250	3/0 - 350 kcmil	225
	A192		J_36250	250						
			L_36400U31X	400	(1 - 2) x (2/0-500 kcmil)	(1 - 2) x 442				
	A248	B240					L_36000S40X	400	(1 - 2) x (2/0-500 kcmil)	(1 - 2) x 442
		B302								

TABLE 2			A.C. MOTOR WIRING			
HV600 CONFIGURED MODEL NO. BASE NUMBER H6C3XXXX			WITH OPTION P8, TO TERMINAL BLOCK TB3		OR, WITHOUT OPTION P8, TO STANDARD AC DRIVE	
208V	240V	480V	MFG. PART NUMBER	WIRE SIZE RANGE (AWG)	TIGHTENING TORQUE (LB.-IN.)	
D002	A002	B1P1	NDN111A-WH	14 - 4	32	
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				
		B034				
		B040				
		B052				
		B065				
	A068					
	A080	B077	MPDB63153	14 - 8 OR 6 - 2/0	50 OR 120	
D074						
D088	A104	B096				
	A130					
	A154	B124	16303-3	6 - 350	275	
D143						
	A192	B156				
		B180				
			MPDB67523	(2) 6 OR (2) 4 OR (2) 3 - 4/0	(2) 80 OR (2) 100 OR (2) 150	
D211	A248	B240				
D273						
		B302	16500-3	(2) 6 - 350	(1 - 2) x 275	

TABLE 3			EARTH GROUND WIRING				NEUTRAL		CONTROL WIRING			
HV600 CONFIGURED MODEL NO. BASE NUMBER H6C3XXXX			INPUT GROUND LUG		MOTOR CONNECTION GROUND LUG, WITH OPTION P8		TERMINAL BLOCK TBN1		DRIVE TERMINAL BLOCKS (TB1-TB7)		DIN RAIL MOUNTED TERMINAL BLOCK TB4	
208V	240V	480V	WIRE SIZE RANGE (AWG)	TIGHTENING TORQUE	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	14 - 10 OR 8 OR 6 - 4 OR 2 - 1/0	35 OR 40 OR 45 OR 50	14 - 10 OR 8 OR 6 - 4 OR 2	35 OR 40 OR 45 OR 50	16 - 10 OR 8 OR 6 - 4	35 OR 40 OR 45	24 - 16	4.4 - 5.3	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										
		B021										
		B027										
		B034										
	A042	B040					14 - 10 OR 8 OR 6 - 2/0	35 OR 40 OR 120				
	A054	B052										
	A068	B065										
	A080	B077										
	A104	B096										
		B124	14 - 2/0	120								
	A130				6 - 250 kcmil	275	6 - 350 kcmil	275				
	A154	B156										
	A192	B180	6 - 250 kcmil	275								
	A248	B240										
		B302										

REVISIONS			
REV.	DESCRIPTION	ECO #	DATE
01	ADDED B1P1 MODEL	12039	RJJ 05/20/22
00	INITIAL RELEASE	-	NSL 07/09/20

YASKAWA	DRAWN BY: N. LAWS	DATE: 7/7/20	TITLE: CUSTOMER CONNECTION HV600 CONFIGURED TYPE 3R ND RATING		
	CHECKED BY: K. MALUSIC	DATE: 7/8/20			
	TECH:	DATE:			
	APPROVED BY: R. JENSEN	DATE: 7/9/20	SIZE: C	REVISION: 01	PAGE: 1 of 1
ORIGINAL DESIGN: N. LAWS		DATE: 7/7/20	DRAWING #: UDE00641		