

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 H6C1XXXX			WITH OPTION PM CIRCUIT BREAKER CB1				OR, STANDARD NON-FUSED 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	OT30F3	30	14 - 4	55
D003	A003	B001								
D004	A004	B002								
D007	A006	B003								
	A009	B004								
		B007								
		B011								
D010			H_36020	20						
D016	A015	B014	H_36025	25						
D024	A022	B021	H_36030	30						
			H_36040	40			OT60F3	60		
D030	A028	B034	H_36050	50						
	A042	B040								
D046			H_36060	60						
			H_36080	80						
D059	A054	B065	H_36110	110			OT100F3	100	8 - 1/0	
D074	A068	B077								
D088	A080		H_36150	150						
D114	A104	B096					H_36000S15	150	14 - 10 OR 8 - 3/0	50 OR 120
		B124								
D143	A130	B156	J_36200LY	200	4 - 4/0	225	OT200U12	200	4 - 300	275
D169	A154	B180	J_36250	250	3/0 - 350 kcmil					
D211							J_36000S25	250	3/0 - 350 kcmil	225
	A192									
D273	A248	B240	L_36400U31X	400	(1-2) x (2/0 - 500 kcmil)	(1-2) x 442	L_36000S40X	400	(1-2) x (2/0 - 500 kcmil)	(1-2) x 442
		B302								

TABLE 2			A.C. MOTOR WIRING				EARTH GROUND WIRING		CONTROL WIRING					
HV600 CONFIGURED MODEL NO. BASE NUMBER H6C1XXXX			A1 DRIVE TERMINALS (T1,T2,T3)		A1 DRIVE TERMINAL (GND)		GROUND LUG		A1 TERMINAL BLOCKS TB1,TB3-TB7		A1 TERMINAL BLOCK TB2 (FE)		PANEL TERMINAL BLOCK TB4	
208V	240V	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.)	WIRE SIZE RANGE (AWG)	TIGHTENING TORQUE (LB.-IN.)
D002	A002	B1P1	CUSTOMER TO WIRE PER THE AC DRIVE TECHNICAL MANUAL. USE 75 °C COPPER WIRE ONLY				14 - 10	35	24 - 16	4.4 - 5.3	24 - 18	4.85 - 10.62	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												
		B034												
		B040												
		B052												
		B065												
D074	A068	B077	CUSTOMER TO SUPPLY A UL LISTED CLOSED-LOOP CONNECTOR, PER THE AC DRIVE TECHNICAL MANUAL. USE 75 °C COPPER WIRE ONLY				14 - 2/0	120						
D088	A080	B096												
D114	A104	B124												
D143	A130	B156												
D169	A154	B180												
D211	A192	B240												
D273	A248	B302												

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					CHECKED: K. PEOPLES	DATE: 6/10/20			
REVISIONS					TECH:	DATE:			
REV.	DESCRIPTION	ECO #	DRAWN BY	DATE	APPROVED: R. JENSEN	DATE: 6/10/20	SIZE: C	REVISION: 01	PAGE: 1 of 1
01	ADDED B1P1 MODEL	12039	RJJ	5/20/22	ORIGINAL DESIGN: K. MALUSIC	DATE: 6/10/20	DRAWING #: UDE00663		
00	INITIAL RELEASE	-	KM	6/10/20					