

• 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							
FP605 BYPASS MODEL NO. BASE NUMBER F6B3XXXX			WITH OPTION PC, PE, OR 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	50	H_3600S15	150	14 - 10	50
D003	A003	B001			OR	OR			OR	OR
D004	A004	B002			8 - 3/0	120			8 - 3/0	120
		B003								
		B004								
		B007								
D007	A006		H_36020	20						
D010	A009	B011	H_36025	25						
		B014	H_36030	30						
D016	A015		H_36035	35						
		B021	H_36040	40						
	A022		H_36045	45						
D024	A027		H_36050	50						
D030	A028		H_36060	60						
		B034	H_36070	70						
	A042	B040	H_36080	80						
D046			H_36090	90						
	A054	B052	H_36100	100						
D059			H_36110	110						
	A068	B065	H_36125	125						
D074	A080	B077	H_36150	150						
D088	A104	B096	H_36150M74	150						
D114							J_3600S17	175	4 - 4/0	225
	A130						J_3600S25LY	250		
D143	A154	B156			3/0 - 350 kcmil	225	J_3600S25		3/0 - 350 kcmil	225
D169		B180								
D211	A192	B240	L_36400U31X	400	(1 - 2) x (2/0-500 kcmil)	(1 - 2) x 442	L_3600S40X	400	(1 - 2) x (2/0-500 kcmil)	(1 - 2) x 442
D273	A248	B240	L_36600U31X	600						
		B302					L_3600S60X	600	(1 - 2) x (2/0-500 kcmil)	(1 - 2) x 442

TABLE 2			A.C. MOTOR WIRING		
FP605 BYPASS MODEL NO. BASE NUMBER F6B3XXXX			MOTOR CONNECTION TERMINAL BLOCK TB3		
208V	240V	480V	MFG. PART NUMBER	WIRE SIZE RANGE (AWG)	TIGHTENING TORQUE (LB.-IN.)
D002	A002	B1P1	NDN111A-WH	14 - 2	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			
	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	(2) 6 OR (2) 4 OR (2) 3 - 4/0	(2) 80 OR (2) 100 OR (2) 150
D143	A154	B156			
D169	A192	B180			
D211	A248	B240	1333320	(2) 6 - 250	(2) 275
D273		B302			

TABLE 3			EARTH GROUND WIRING				NEUTRAL		CONTROL WIRING							
FP605 BYPASS MODEL NO. BASE NUMBER F6B3XXXX			INPUT GROUND LUG		MOTOR CONNECTION GROUND LUG		TERMINAL BLOCK TBN1		A1 DRIVE TERMINAL BLOCKS TB1, TB3-TB6		A1 DRIVE TERMINAL BLOCK TB2 (FE)		DIN RAIL MOUNTED TERMINAL BLOCK TB4		A2 BYPASS CONTROL PCB TERMINAL BLOCKS TB1-TB4, TB6	
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.)	WIRE SIZE RANGE (AWG)	TIGHTENING TORQUE (LB.-IN.)
D002	A002	B1P1	14 - 10	35	14 - 10	35	16 - 10	35	24 - 16	4.4 - 5.3	24 - 18	8.9 - 10.7	26 - 10	5.3 - 7.1	26 - 14	4
D003	A003	B001	OR	OR	OR	OR	OR	OR								
D004	A004	B002	8	40	8	40	8	40								
D007	A006	B003	OR	OR	OR	OR	OR	OR								
D010	A009	B004	6 - 4	45	6 - 4	45	6 - 4	45								
D016	A015	B007	2 - 1/0	50	2	50										
D024	A022	B011														
D030	A028	B014														
		B021														
		B027														
		B034														
D046	A042	B040					14 - 10	35								
D059	A054	B052					OR	OR								
D074	A068	B065					8	40								
D088	A080	B077					OR	OR								
D114	A104	B096					6 - 2/0	120								
		B124														
D143	A130		14 - 2/0	120			6 - 350 kcmil	275								
D169	A154	B156														
D211	A192	B180	6 - 250 kcmil	275	6 - 250 kcmil	275										
D273	A248	B240														
		B302														

REVISIONS			
REV.	DESCRIPTION	ECO #	DATE
00	INITIAL RELEASE	--	EAA 09/29/22

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	CHECKED: K. MALUSIC	DATE: 9/1/22	
	TECH:	DATE:	
	APPROVED: R. JENSEN	DATE: 9/20/22	SIZE: C
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