

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														
FP605 CONFIGURED MODEL NO. BASE NUMBER F6C3XXXX			WITH OPTIONS PC, PE, OR PM, TO CIRCUIT BREAKER CB1				OR OPTION PD DISCONNECT SWITCH S1				OR, WITHOUT OPTIONS PC, PE, PM, OR PD, TO STANDARD INPUT POWER TERMINAL BLOCK TB2			
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.)	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__3600S15	150	14 - 10 OR 8 - 3/0	50 OR 120	NDN111A-WH	90	14 - 2	32
D003	A003	B001												
D004	A004	B002												
D007	A006	B003												
	A009	B004												
		B007												
		B011												
D010	A015	B014	H__36020	20										
D016		B021	H__36025	25										
D024	A022		H__36030	30										
	A028	B027	H__36035	35										
D030		B034	H__36040	40										
	A042	B040	H__36050	50										
D046			H__36060	60										
	A054	B052	H__36070	70										
D059		B065	H__36080	80										
	A068		H__36090	90										
		B077												
D074	A080		H__36100	100							MPDB63153	175	14 - 8 OR 6 - 2/0	50 OR 120
D088		B096	H__36110	110										
D114	A104	B124	H__36150	150										
	A130		J__36175	175							MPDB67003	310	6 - 350 kcmil	275
D143					4 - 4/0	225	J__36000S17	175	4 - 4/0	225				
	A154	B156	J__36200LY	200										
D169		B180	J__36225	225	3/0 - 350 kcmil	225	J__36000S25	250	3/0 - 350 kcmil	225				
	A192		J__36250	250										
D211			L__36400U31X	400	(1 - 2) x (2/0-500 kcmil)	(1 - 2) x 442								
D273	A248	B240					L__36000S40X	400	(1 - 2) x (2/0-500 kcmil)	(1 - 2) x 442	MPDB69123	620	(1 - 2) x (6 - 350 kcmil)	(1 - 2) x 275
	A312	B302												
D343			L__36600U31X	600	(1 - 2) x (2/0-500 kcmil)	(1 - 2) x 442								
D396	A360	B361					L__36000S60X	600	(1 - 2) x (2/0-500 kcmil)	(1 - 2) x 442				
		B414												
		B477	P__36060-PDC	600	(1 - 3) x (3/0-500 kcmil)	(1 - 3) x 442	P__34000S60-PDC	600	(1 - 3) x (3/0-500 kcmil)	(1 - 3) x 442	MPDB69543	840	(1 - 2) x (2 - 600 kcmil)	(1 - 2) x 600
		B515	P__36080-PDC	800	(1 - 3) x (3/0-500 kcmil)	(1 - 3) x 442								
		B590					P__34000S80-PDC	800	(1 - 3) x (3/0-500 kcmil)	(1 - 3) x 442				
		B720	P__36100U44A	1000	(1 - 4) x (3/0-500 kcmil)	(1 - 4) x 442	P__34000S10	1000	(1 - 4) x (3/0-500 kcmil)	(1 - 4) x 442	PDB-55-500-1	1600	(1 - 5) x (3/0 - 500 kcmil)	(1 - 5) x 375

TABLE 2														
A.C. MOTOR WIRING														
FP605 CONFIGURED MODEL NO. BASE NUMBER F6C3XXXX			WITH OPTION PH, TO LOAD REACTOR L4				WITH OPTION P8, TO TERMINAL BLOCK TB3				OR, WITHOUT OPTIONS PH, P8 TO A1 DRIVE TERMINALS (T1,T2,T3)		OR, WITHOUT OPTIONS P8 or PH, TO A1 DRIVE TERMINAL (GROUND)	
208V	240V	480V	MFG. PART NUMBER	WIRE SIZE RANGE (AWG)	TIGHTENING TORQUE (LB.-IN.)	MFG. PART NUMBER	CURRENT RATING (AMPS)	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	RLW-01P60_	22 - 10	4.5	NDN111A-WH	90	14 - 4	32					
		B001	RLW-02P10_											
D002		B002	RLW-03P40_											
D003	A002	B003	RLW-04P80_											
D004	A003	B004	RLW-07P60_											
	A004													
D007		B007	RLW-00110_											
D010	A006	B011	RLW-00140_											
D016	A009	B014	RLW-00210_	14 - 6	16									
	A015		RLW-00280_											
	A022													
D024	A028	B021	RLW-00350_											
		B027												
D030		B034	RLW-00460_											
	A042	B040	RLW-00550_	6 - 4 OR 2 - 1/0	45 OR 50									
D046		B052	RLW-00650_											
D059	A054	B065	RLW-00830_											
	A068		RLW-01040_											
D074		B077												
	A080					MPDB63153	175	14 - 8 OR 6 - 2/0	50 OR 120					
D088	A104	B096	RLW-01300_	2 - 1	150									
D114			RLW-01600_	1/0 - 2/0	180									
	A130													
		B124				16303-3	310	6 - 350 kcmil	275					
D143	A154	B156	RLW-02000_	3/0 - 4/0	250									
D169		B180	RLW-02500_											
	A192													
D211	A248	B240	RLW-03220_	250 - 350	325	MPDB67523	460	(1 - 2) x (6, 4, OR 3 - 4/0)	(1 - 2) x (80, 100, OR 150)					
D273			RLW-04140_	(1-2) x (6-350 kcmil)	(1 - 2) x 375									
	A312	B302				16500-3	620	(1 - 2) x 6 - 350 kcmil	(1 - 2) x 275					
D343	A360	B361	RLW-05150_											
D396														
		B414	RLW-06000_											
		B477												
		B515	RLW-07500_			16528-3	840	(1 - 2) x (2 - 600 kcmil)	(1 - 2) x 500					
		B590												
		B720	RL-7500_			PDB-55-500-1	1600	(1 - 5) x (3/0 - 500 kcmil)	(1 - 5) x 375					

REVISIONS			
REV.	DESCRIPTION	ECO #	DATE
00	INITIAL RELEASE	--	EAA 12/09/22

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	CHECKED: K. MALUSIC	DATE: 12/2/22	
	TECH:	DATE:	
	APPROVED: R. JENSEN	DATE: 12/5/22	SIZE: C
	ORIGINAL DESIGN: E. ACKERMAN	DATE: 7/12/22	PAGE: 1 of 2
			DRAWING #: UDE00745

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TABLE 3			EARTH GROUND WIRING				NEUTRAL		CONTROL WIRING					
FP605 CONFIGURED MODEL NO. BASE NUMBER F6C3XXXX			INPUT GROUND LUG		MOTOR CONNECTION GROUND LUG, WITH OPTION P8		TERMINAL BLOCK TBN1		A1 DRIVE TERMINAL BLOCKS TB1,TB3-TB6		A1 DRIVE TERMINAL BLOCK TB2 (FE)		DIN RAIL MOUNTED 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	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
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	OR	OR	OR	OR	OR	OR						
D024	A022	B011	2 - 1/0	50	2	50								
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	14 - 2/0	120										
D143	A130						6 - 350 kcmil	275						
D169	A154	B156												
D211	A192	B180	6 - 250 kcmil	275	6 - 250 kcmil	275								
D273	A248	B240												
	A312	B302												
D343	A360	B361												
D396		B414												
		B477												
		B515												
		B590												
		B720												

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<b>ORIGINAL DESIGN:</b> E. ACKERMAN	<b>DATE:</b> 7/12/22	<b>DRAWING #:</b> UDE00745			