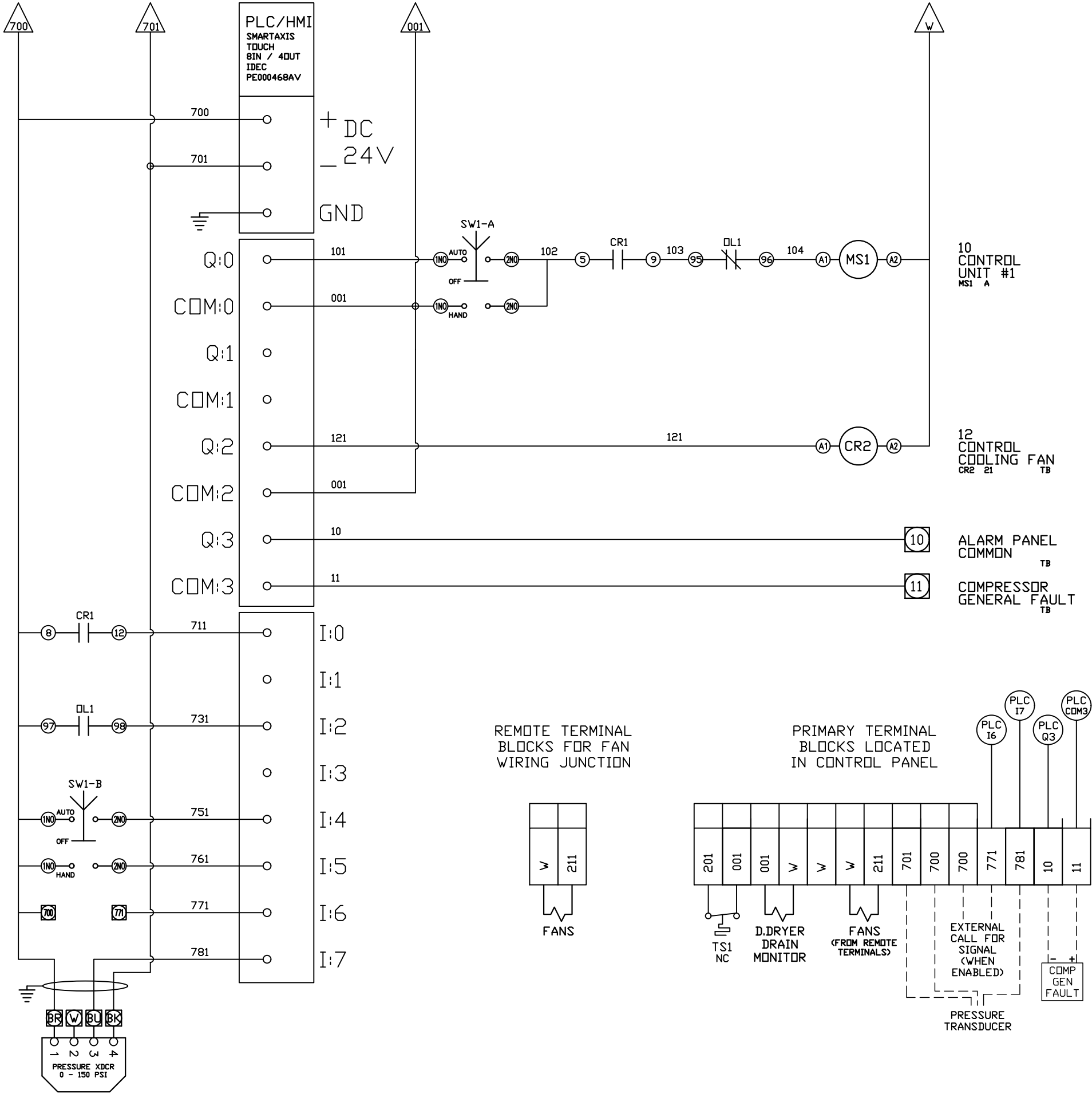


REV	REVISION	DATE	ECN	NAME	CHKD
B-1	RELEASE TO PRODUCTION	06/10/25	PXEC0667	SEK	JRD



OPTIONAL:

POWEREX™

150 PRODUCTION DRIVE HARRISON, OHIO 45030
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use or examination.

DRAWN BY	CHECKED BY	ENGINEERING APPROVAL
SEK	JRD	JRD
06/10/25	06/10/25	06/10/25

PANEL TYPE
SCROLL ENCL TNKMNT SIMPLEX
GENERAL FAULT

DWG. TYPE
WIRING

DWG. NO.
PETIS-160

SHEET
W-2

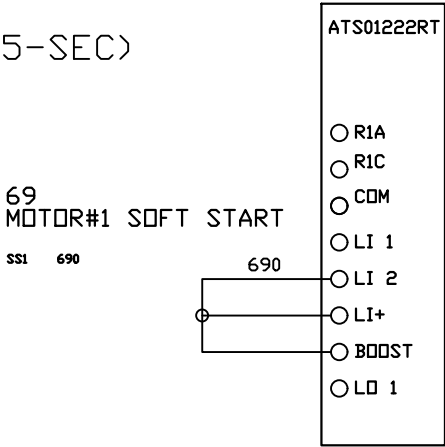
SIZE
B

REV	REVISION	DATE	ECN	NAME	CHKD
B-1	RELEASE TO PRODUCTION	06/10/25	PXEC0667	SEK	JRD

SET START TIME TO B (3-SEC)

SET INITIAL VOLT SETTING TO
D (67%)

SET STOP TIME TO C (5-SEC)



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DRAWN BY	CHECKED BY	ENGINEERING APPROVAL
SEK	JRD	JRD
06/10/25	06/10/25	06/10/25

PANEL TYPE

SCROLL ENCL TNKMNT SIMPLEX
GENERAL FAULT

DWG. TYPE WIRING

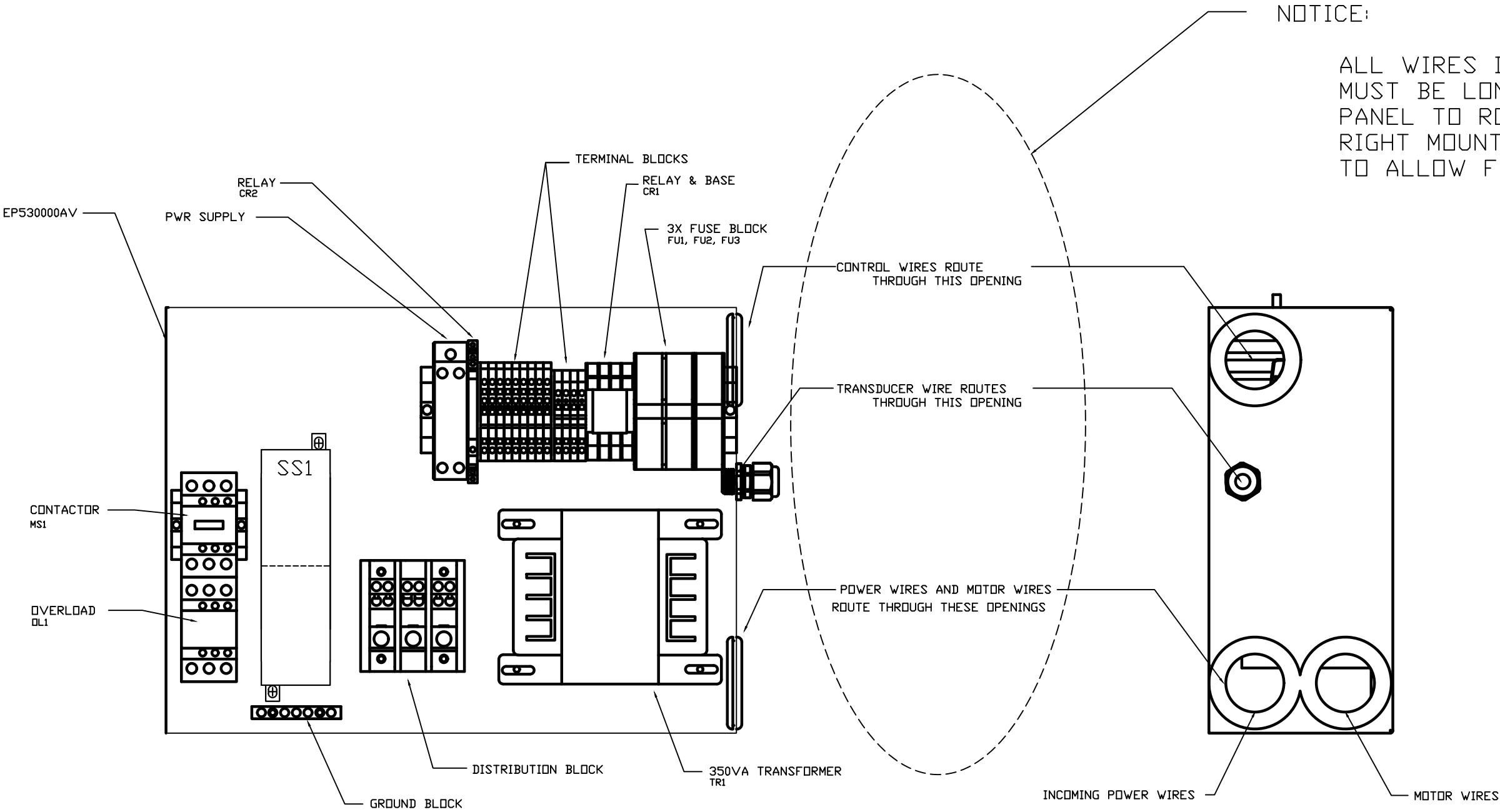
DWG. NO.

PETIS-160

SHEET	SIZE
W-3	B

PETIS-160 B1

REV	REVISION	DATE	ECN	NAME	CHKD
B-1	RELEASE TO PRODUCTION	06/10/25	PXEC0667	SEK	JRD



NOTICE:

ALL WIRES IN AND OUT OF PANEL
MUST BE LONG ENOUGH FOR
PANEL TO ROTATE OUT 90° AT
RIGHT MOUNTING SCREW LOCATION
TO ALLOW FOR PUMP MAINTENANCE.

OPTIONAL:

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DRAWN BY	CHECKED BY	ENGINEERING APPROVAL
SEK	JRD	JRD
06/10/25	06/10/25	06/10/25

PANEL TYPE

SCROLL ENCL TNKMNT SIMPLEX
GENERAL FAULT

DWG. TYPE LAYOUT

DWG. NO.

PETIS-160

SHEET	SIZE
LA-1	B

REV	REVISION	DATE	ECN	NAME	CHKD
B-1	RELEASE TO PRODUCTION	06/10/25	PXEC0667	SEK	JRD

TABLE 1

PANEL DATA 3Ø – 60 Hz 350VA CONTROL CIRCUIT							
(A) LOAD SPECIFICATIONS					(B) BRANCH CIRCUIT PROTECTION – PROVIDED BY INSTALLER		
PANEL PART NUMBER	MOTOR SIZE	POWER (V/PH)	MOTOR LOAD EACH (FLA)	PANEL LOAD TOTAL (FLA)	NONTIME DELAY FUSE	TIME-DELAY FUSE	INVERSE-TIME CIRCUIT BREAKER
PETIS16072AJ	7.5	208V/3Ø	19.2	21.2	60A	40A	50A
PETIS16073AJ	7.5	230V/3Ø	17.3	19.3	60A	35A	50A
PETIS16074AJ	7.5	460V/3Ø	8.87	10.9	30A	20A	25A
PETIS16077AJ	7.5	575V/3Ø	9.6	11.6	35A	20A	30A
PETIS160A2AJ	10	208V/3Ø	25.4	27.4	80A	50A	70A
PETIS160A3AJ	10	230V/3Ø	23.0	25.0	80A	45A	60A
PETIS160A4AJ	10	460V/3Ø	11.9	13.9	40A	25A	35A
PETIS160A7AJ	10	575V/3Ø	9.92	11.9	35A	20A	30A
NOTE-- ADJUST OVERCURRENT PROTECTION DEVICE NOT TO EXCEED 115% OF MOTOR NAMEPLATE FLA VALUE							

NOTES:

- RECOMMENDED TIGHTENING TORQUES FOR WIRE TERMINALS:
208-575 VOLT POWER 35 POUND INCHES
120 VOLT POWER & CONTROL 15 POUND INCHES
VOLTAGE
- PANEL GROUND MUST BE CONNECTED TO EARTH GROUND.
- INSTALLER TO PROVIDE MAIN DISCONNECTING DEVICE WITH SHORT CIRCUIT PROTECTION FOR THIS ELECTRICAL ASSEMBLY. SEE TABLE 1 FOR REQUIRMENTS.
- ALL WIRES MUST BE LABELED ON BOTH ENDS.
- TRANSFORMER IS SIZED FOR LOADS SHOWN ON DRAWING ONLY. DO NOT CONNECT ANY OTHER DEVICES.

TABLE 2

CONTROL CIRCUIT PROTECTION – 350VA					
	FUSE TYPE	208 VOLT	230 VOLT	460 380 VOLT	575 VOLT
FU1&2	FNQR	7A	7A	3A	3A
FU3	FNM	7A	7A	7A	7A
SEE CONTROL TRANSFORMER INSTRUCTIONS FOR CONNECTIONS					

WIRE TYPE TABLE			
VOLTAGE	WIRE NUMBERS	GAUGE	COLOR
120VAC	001-699	16-18AWG	RED/BLK
0VAC	W	16-18AWG	WHT/BLK
24VDC	700-999	16-18AWG	PURPLE
0VDC	701	16-18AWG	PURPLE
-		VARIES	GREEN
GND	01-99	16AWG	YELLOW
CUSTOMER SUPPLY			

OPTIONAL:



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DRAWN BY	CHECKED BY	ENGINEERING APPROVAL
SEK	JRD	JRD
06/10/25	06/10/25	06/10/25

PANEL TYPE

SCROLL ENCL TNKMNT SIMPLEX
GENERAL FAULT

DWG. TYPE DATA

DWG. NO.

PETIS-160

SHEET	SIZE
D-1	B

PETIS-160 B1