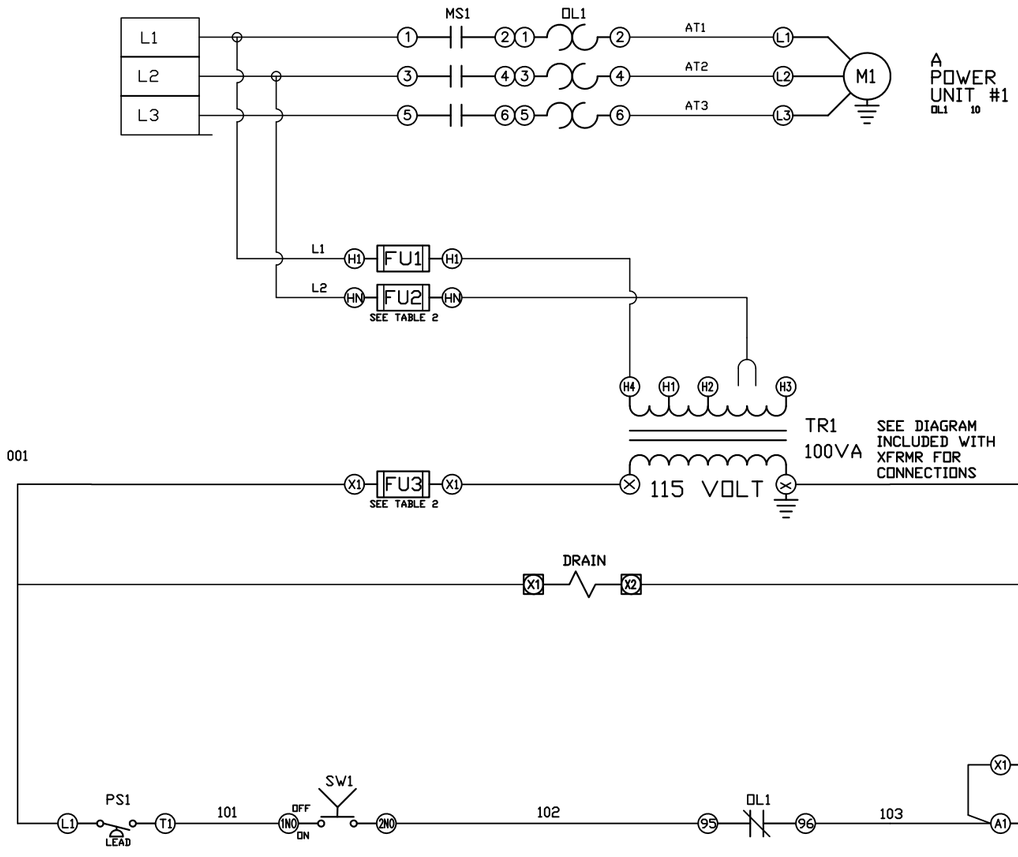
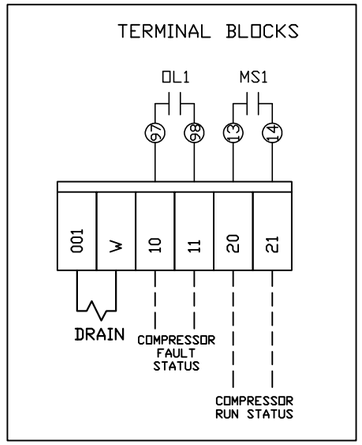




REV	REVISION	DATE	ECN	NAME	CHKD
B-1	RELEASE TO PRODUCTION	04/08/11	22545	BFH	CHR
E-1	CHANGED LAYOUT; HARMONIZED WITH PSI-100	02/23/24	PXEC0618	VAG	JRD
E-2	CORRECTED SINGLE PHASE DATA	04/16/24	PXEC0618	VAG	VAG
E-3	UPDATED LAYOUT B ENCLOSURE	04/24/24	PXEC0618	VAG	VAG
E-4	ADDED POWER CIRCUIT ROUTING	05/31/24	PXEC0618	VAG	VAG
E-5	SWAPPED FAULT/RUN STATUS TB LOCATIONS	07/29/24	PXEC0618	VAG	VAG
E-6	RECALCULATED DATA TABLES	07/31/24	PXEC0618	VAG	VAG
F-1	CHANGED GND WIRE TO 14AWG	4/16/25	PXEC0668	MJV	JRD
G-1	ADDED SIDE VIEW OF PANEL TO LAYOUT	5/30/25	PXEC0668	JA	GR
H-1	UPDATING TERMINAL BLOCKS	10/9/25	PXEC0718	MJV	JA
I-1	UPDATE 208V 1PH 5HP P/N	11/25/25	PXEC0668	JA	GR

WIRE TYPE TABLE

VOLTAGE	WIRE NUMBERS	GAUGE	COLOR
120VAC	001-699	16-18AWG	RED/BLK
0VAC	W	16-18AWG	WHITE
24VDC	700-999	16-18AWG	PURPLE
0VDC	701	16-18AWG	PURPLE
GND	-	14 AWG	GREEN
CUSTOMER SUPPLY	01-99	16AWG	YELLOW

OPTIONAL:

NOTES:

1. RECOMMENDED TIGHTENING TORQUES FOR WIRE TERMINALS:
   208-460 VOLT POWER 35 POUND INCHES
   115 VOLT POWER, CONTROL
   AND LOW VOLTAGE 15 POUND INCHES
2. PANEL GROUND MUST BE CONNECTED TO EARTH GROUND
3. INSTALLER TO PROVIDE MAIN DISCONNECTING DEVICE WITH SHORT CIRCUIT PROTECTION FOR THIS ELECTRICAL ASSEMBLY. SEE TABLE 1 FOR ELECTRICAL RATINGS AND PROTECTION SIZING REQUIREMENTS.
4. ALL WIRES MUST BE LABELED ON BOTH ENDS
5. TRANSFORMER IS SIZED FOR LOADS SHOWN ON DRAWING ONLY. DO NOT CONNECT ANY OTHER DEVICES

TABLE 2

CONTROL TRANSFORMERS - 100VA

	FUSE TYPE	208 VOLT	230 VOLT	380 VOLT	460 VOLT	575 VOLT
FU1,2	FNQR	2A	2A	1A	1A	0.8A
FU3	FNM	1.25A	1.25A	1.25A	1.25A	1.25A

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DRAWN BY	CHECKED BY	ENGINEERING APPROVAL
BFH	CHR	CHR
04/08/11	04/12/11	04/12/11

PANEL TYPE

IND RECIP SPLX

DWG. TYPE 3PH WIRING

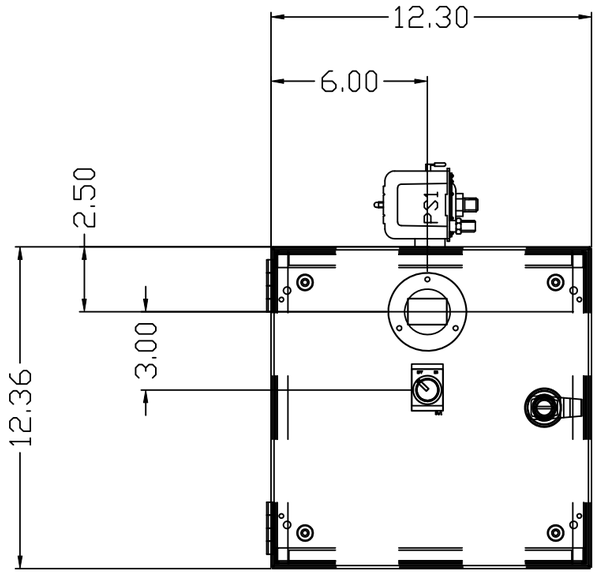
DWG. NO.

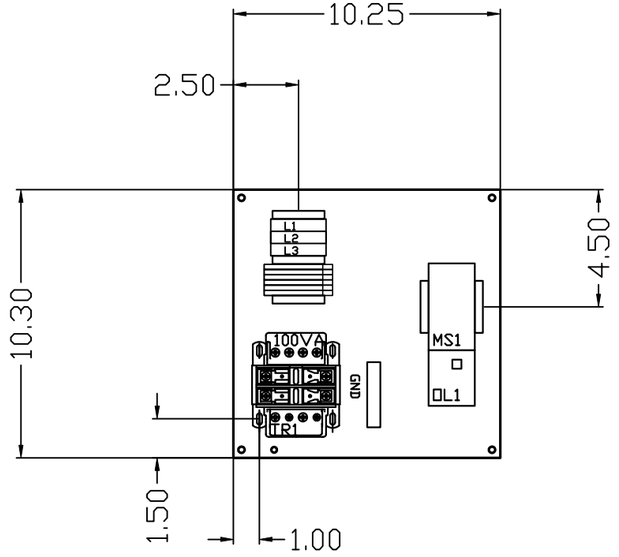
PRI-100

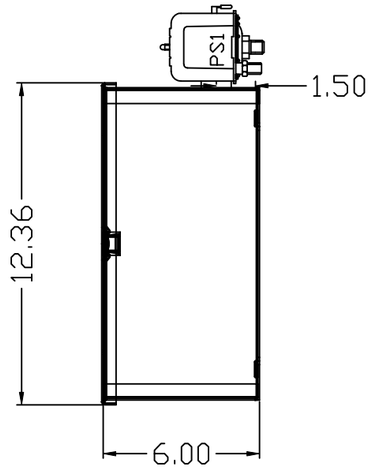
SHEET W-1

SIZE B

PRI-100 E1



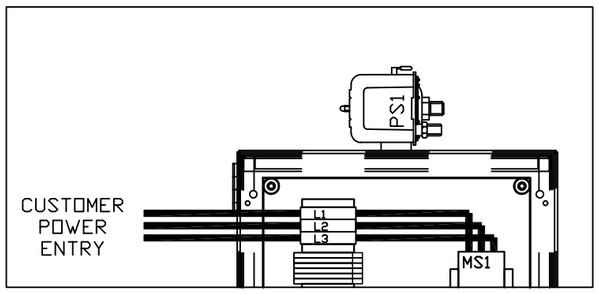




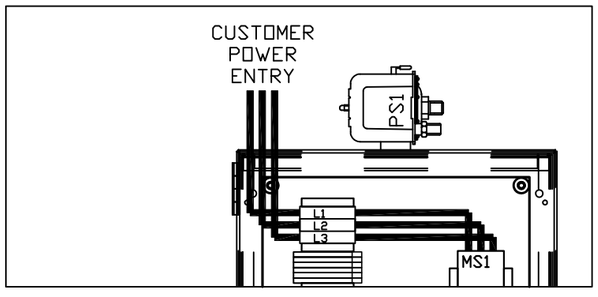
REV	REVISION	DATE	ECN	NAME	CHKD
B-1	RELEASE TO PRODUCTION	04/08/11	22545	BFH	CHR
E-1	CHANGED LAYOUT; HARMONIZED WITH PSI-100	02/23/24	PXEC0618	VAG	JRD
E-2	CORRECTED SINGLE PHASE DATA	04/16/24	PXEC0618	VAG	VAG
E-3	UPDATED LAYOUT B ENCLOSURE	04/24/24	PXEC0618	VAG	VAG
E-4	ADDED POWER CIRCUIT ROUTING	05/31/24	PXEC0618	VAG	VAG
E-5	SWAPPED FAULT/RUN STATUS TB LOCATIONS	07/29/24	PXEC0618	VAG	VAG
E-6	RECALCULATED DATA TABLES	07/31/24	PXEC0618	VAG	VAG
F-1	CHANGED GND WIRE TO 14AWG	4/16/25	PXEC0668	MJV	JRD
G-1	ADDED SIDE VIEW OF PANEL TO LAYOUT	5/30/25	PXEC0668	JA	GR
H-1	UPDATING TERMINAL BLOCKS	10/9/25	PXEC0718	MJV	JA
I-1	UPDATE 208V 1PH 5HP P/N	11/25/25	PXEC0668	JA	GR

INTENDED ROUTING:

OPTION A



OPTION B



OPTIONAL:

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DRAWN BY	CHECKED BY	ENGINEERING APPROVAL
BFH	CHR	CHR
04/08/11	04/12/11	04/12/11

PANEL TYPE

IND RECIP SPLX

DWG. TYPE LAYOUT

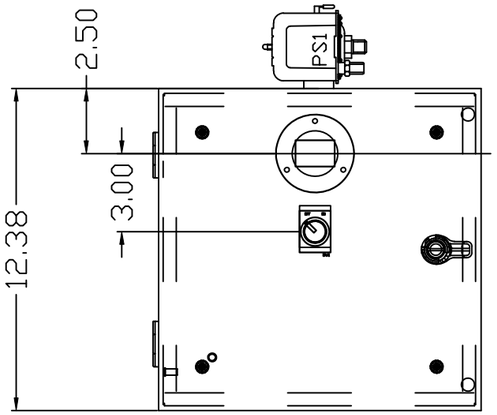
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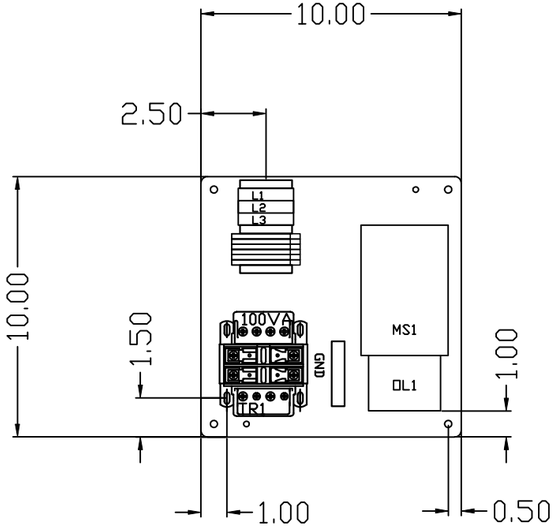
PRI-100

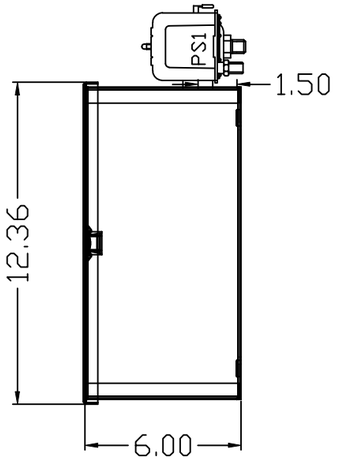
SHEET LA-1

SIZE B

REV	REVISION	DATE	ECN	NAME	CHKD
B-1	RELEASE TO PRODUCTION	04/08/11	22545	BFH	CHR
E-1	CHANGED LAYOUT; HARMONIZED WITH PSI-100	02/23/24	PXEC0618	VAG	JRD
E-2	CORRECTED SINGLE PHASE DATA	04/16/24	PXEC0618	VAG	VAG
E-3	UPDATED LAYOUT B ENCLOSURE	04/24/24	PXEC0618	VAG	VAG
E-4	ADDED POWER CIRCUIT ROUTING	05/31/24	PXEC0618	VAG	VAG
E-5	SWAPPED FAULT/RUN STATUS TB LOCATIONS	07/29/24	PXEC0618	VAG	VAG
E-6	RECALCULATED DATA TABLES	07/31/24	PXEC0618	VAG	VAG
F-1	CHANGED GND WIRE TO 14AWG	4/16/25	PXEC0668	MJV	JRD
G-1	ADDED SIDE VIEW OF PANEL TO LAYOUT	5/30/25	PXEC0668	JA	GR
H-1	UPDATING TERMINAL BLOCKS	10/9/25	PXEC0718	MJV	JA
I-1	UPDATE 208V 1PH 5HP P/N	11/25/25	PXEC0668	JA	GR



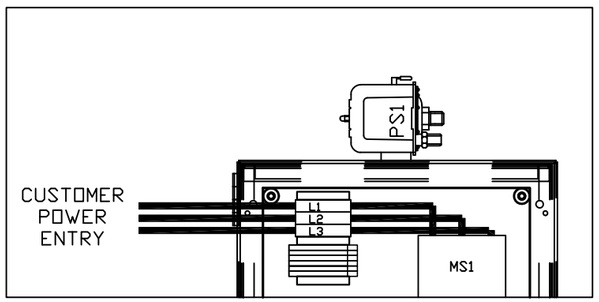




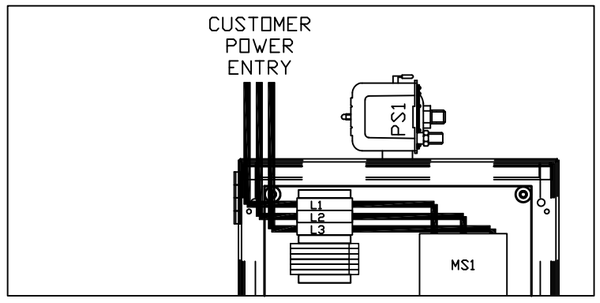
*req 8" depth instead of 6"

INTENDED ROUTING:

OPTION A



OPTION B



OPTIONAL:

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DRAWN BY	CHECKED BY	ENGINEERING APPROVAL
BFH	CHR	CHR
04/08/11	04/12/11	04/12/11

PANEL TYPE

IND RECIP SPLX

DWG. TYPE LAYOUT

DWG. NO.

PRI-100

SHEET LB-1

SIZE B

TABLE 1	P/N	MOTOR FULL LOAD AMPS	TOTAL FULL LOAD AMPS	NON-TIME DELAY FUSE	TIME DELAY FUSE	INVERSE-TIME CIRCUIT BREAKER
208V (3Ø)	02AJ	3.5	4	15	10	15
	12AJ	4.5	5	15	10	15
	22AJ	5.6	6.7	20	15	20
	32AJ	8.8	9.3	30	20	25
	52AJ	14.6	15.1	50	25	40
	72AJ	20.5	21	70	40	60
	A2AJ	27.4	27.9	90	50	70
	F2AJ *	41.1	41.6	125	80	110
230V (3Ø)	03AJ	3.2	3.6	15	10	15
	13AJ	4.4	4.8	15	10	15
	23AJ	5.4	5.8	20	10	15
	33AJ	7.7	8.1	25	15	20
	53AJ	12.7	13.1	40	25	35
	73AJ	18.5	18.9	60	35	50
	A3AJ	24.8	25.2	80	45	70
	F3AJ *	37.2	37.6	125	70	100
460V (3Ø)	04AJ	1.6	1.8	10	6	15
	14AJ	2.2	2.4	10	6	15
	24AJ	2.7	2.9	10	6	15
	34AJ	3.9	4.1	15	10	15
	54AJ	6.3	6.5	20	15	20
	74AJ	9.3	9.5	30	20	25
	A4AJ	12.4	12.6	40	25	35
	F4AJ	18.6	18.8	60	35	50
380V (3Ø) 50HZ	08AJ					
	18AJ					
	28AJ	3.4	3.7	15	10	15
	38AJ	4.6	4.9	15	10	15
	58AJ	7.7	8	25	15	20
	78AJ	11.1	11.4	35	20	30
	A8AJ	14.9	15.2	45	30	40
	F8AJ	22.1	22.4	70	40	60
575V (3Ø)	07AJ	1.1	1.3	6	6	15
	17AJ	1.8	2	10	6	15
	27AJ	2.3	2.5	10	6	15
	37AJ	3.1	3.3	10	10	15
	57AJ	5.1	5.3	20	10	15
	77AJ	7.4	7.6	25	15	20
	A7AJ	9.9	10.1	30	20	25
	F7AJ	14.9	15.1	45	30	40

* = USE LAYOUT B,
OTHERWISE USE LAYOUT A

REV	REVISION	DATE	ECN	NAME	CHKD
B-1	RELEASE TO PRODUCTION	09/01/11	22545	BFH	CHR
C-1	FORMAT UPDATE	03/04/13	PXEC0038	BFH	CHR
D-1	REMOVED '*' FROM -A2AJ	02/26/23	PXEC0618	VAG	VAG
E-1	RECALCULATED	07/31/24	PXEC0618	VAG	VAG
H-1	UPDATING TERMINAL BLOCKS	10/9/25	PXEC0718	MJV	JA
I-1	UPDATE 208V 1PH 5HP P/N	11/25/25	PXEC0668	JA	GR

WIRE TYPE TABLE

VOLTAGE	WIRE NUMBERS	GAUGE	COLOR
120VAC	001-699	16-18AWG	RED/BLK
0VAC	W	16-18AWG	WHITE
24VDC	700-999	16-18AWG	PURPLE
0VDC	701	16-18AWG	PURPLE
GND	-	14 AWG	GREEN
CUSTOMER SUPPLY	01-99	16AWG	YELLOW

OPTIONAL:

208V/230V/460V

POWEREX

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DRAWN BY	CHECKED BY	ENGINEERING APPROVAL
BFH	CHR	CHR
09/01/11	09/20/11	09/20/11

PANEL TYPE

COMPRESSOR
3PH SIMPLEX PANEL DATA

DWG. TYPE DATA

DWG. NO.

DATA TABLE

SHEET D-1 SIMPLEX PANEL DATA

SIZE B