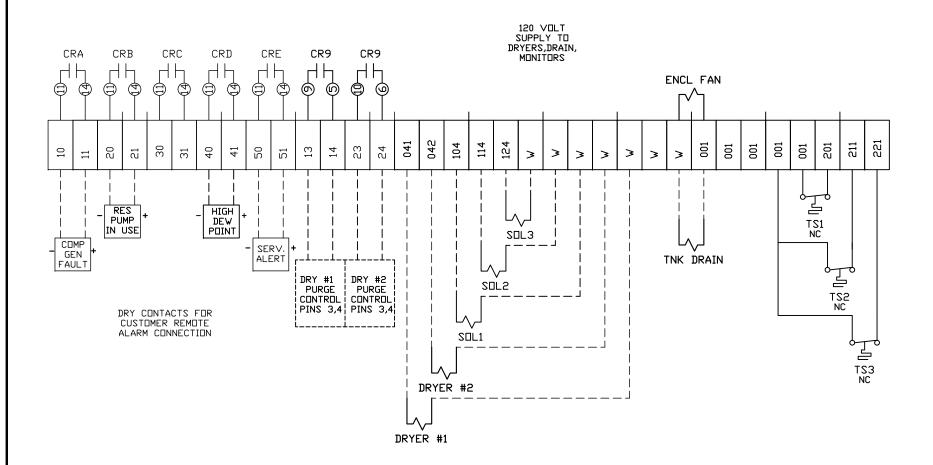
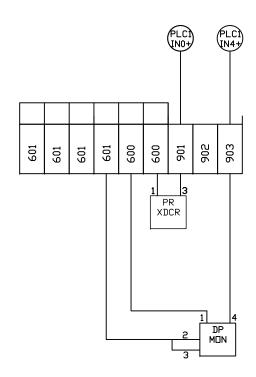


TERMINAL BLOCKS

REVISION
DATE ECN NAME CHKD
O9/15/23 PXEC0521 KMD AJL





OPTIONAL:

P WEREX

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DRAWN BY	CHECKED BY	ENGINEERING APPROVAL		
KMD	AJL	KMD		
09/15/23	09/15/23	09/15/23		

PANEL TYPE

TRI INST AIR COMP HMI, NFPA

DWG. TYPE WIRING

DWG. NO.

PBIA-369

SHEET

SIZE

W-7

PBIA-369

FIELD WIRING NOTES:

- PANEL GROUND MUST BE CONNECTED TO EARTH GROUND
- TRANSFORMER IS SIZED FOR LOADS SHOWN ON DRAWING ONLY.
- FIELD WIRING INDICATED BY -----. WIRE TO BE COPPER RATED AT 75° C.
- ALL ALARM DRY CONTACTS ARE CLOSED FOR NORMAL OPERATION AND OPEN IN ALARM.
- DRY CONTACT RATING: 30V DC/2A (resistive load, inductive load L/R = 7 ms)
- USE CAT-5 CABLE W/RJ45 CONNECTOR FOR ETHERNET CONNECTION TO COMMUNICATION NETWORK OR BAS SYSTEM

TABLE 1	P/N	MOTOR FULL LOAD AMPS	TOTAL FULL LOAD AMPS	NON-TIME DELAY FUSE	TIME DELAY FUSE	INVERSE- TIME CIRCUIT BREAKER
	02AJ	4.1	14.3	25	20	25
	12AJ	4.5	15.5	25	20	25
	22AJ	6	20	35	25	30
208V	32AJ	8.5	27.5	45	35	45
(3Ø)	52AJ	14	44	80	60	70
(- /- /	72AJ	20.5	63.5	110	80	100
	A2AJ*	27.4	84.2	150	125	150
	F2AJ *	41.1	125.3	225	175	200
	03AJ	3.6	12.8	20	20	20
	13AJ	4.4	15.2	25	20	25
	23AJ	5.8	19.4	35	25	30
230V	33AJ	7.7	25.1	45	35	40
(3Ø)	53AJ	12.7	40.1	70	50	60
(73AJ	18.5	57.5	100	80	90
	A3AJ	24.8	76.4	150	100	125
	F3AJ*	37.2	113.6	200	150	175
	04AJ	1.8	7.4	15	10	15
	14AJ	2.2	8.6	15	10	15
	24AJ	2.9	10.7	20	15	20
460V	34AJ	3.9	13.7	25	20	25
(3Ø)	54AJ	6.3	20.9	35	30	35
	74AJ	9.3	29.9	50	40	45
	A4AJ	12.4	39.2	70	50	60
	F4AJ	18.6	57.8	100	80	90
	08AJ					
	18AJ					
2001	28AJ	3.4	12.2	20	15	20
380V	38AJ	4.6	15.8	25	20	25
(3Ø)	58AJ	7.7	25.1	45	35	40
	78AJ	11.1	35.3	60	45	60
	A8AJ	14.9	46.7	80	60	70
	F8AJ	22.1	68.3	125	90	125
	07	4.4		4.5	4.5	4.0
	07AJ	1.1	5.3	10	10	10
	17AJ	2.2	0.0	4-		
E7E\/	27AJ	2.3	8.9	15	<u> 15</u>	15
575V	37AJ	3.1	11.3	20	15	20
(3Ø)	57AJ	5.1	17.3	30	25	30
	77AJ	6.9	22.7	40	30	35
	A7AJ	9.9	31.7	60	40	50
	F7AJ	14.9	46.7	80	60	70

NOTES:

- 1. RECOMMENDED TIGHTENING TORQUES FOR WIRE TERMINALS: 208-575 VOLT POWER 35 POUND INCHES 120 VOLT POWER AND CONTROL 15 POUND INCHES VOLTAGE
- 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 .
- 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
- 6. \triangle -INDICATES A DRAWING WIRE CONNECTION TO ANOTHER PAGE.
- 7. TEST MODE JUMPER WILL CHANGE ALTERNATION CYCLE AND MINIMUM RUM TIMERS. USE WITHOUT AUTHORIZATION MAY CAUSE UNSTABLE OPERATION. CONSULT FACTORY BEFORE USE.

FIELD WIRING NOTES ON PAGE W-7.

CONTROL TRANSFORMERS - 500VA					
FUSE		208	230	460 380	575
TYPE		VOLT	VOLT	VDLT	VOLT
FU1,2A FU1,2B	FNQR	6A	5A	5A	4A
FU3A,B	FNM	7A	7A	7A	7A
SEE XFRMR FOR CONNECTIONS					

WIRE TY	PE TABLE			
VOLTAGE	WIRE NUMBERS	GAUGE	COLOR	l
120VAC	001-699	16-18AWG	RED/BLK	H
0VAC	W	16-18AWG	WHT/BLK	ı
24VDC	700-999	16-18AWG	PURPLE	ı
0∨DC	701	16-18AWG	PURPLE	L
GND	-	VARIES	GREEN	ı
CUSTOMER	01-99	16AWG	YELLOW	ı
SUPPLY				Γ

REV

B-1

C-1

D-1

SEQUENCE OF OPERATIONS

During normal operation the PBMI controller will signal the Lead compressor to run when pressure drops below lead cut-in set-point and stop when the pressure reaches the lead cut-out set-point. Lead alternation to the next pump, will occur every 60-minutes. If demand cannot be satisfied by the lead pump, the lag pump(s) will start and stop based upon the lag cut-in and cut-out set-points. The HOA switch's place the pump in the following modes: Hand-turns pump on to run continuous. Off-disables pump from running. Auto-places pump in the "ready mode" DWG. TYPE and will start and stop based on sequence described above.

All plex configurations include a hardwired backup pressure switch circuit should a control failure occur. This circuit will call all pumps on and off based on the reserve pressure switch set-points.

Expandable systems include all control devices, operators, and programming for the maximum number of pumps SHEET required. To expand the system: navigate to the "Service Info" screen and enter the number of pumps (or plex).

Additional information and descriptions can be accessed through the HMI's "Service Info" screen by pressing Sequence of Operations button.

OPTIONAL:

REVISION

RELEASE TO PRODUCTION

ADDED 380/575V

FORMAT UPDATE

208V-575V



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DRAWN BY	CHECKED BY	ENGINEERING APPR⊡√AL
BFH	CHR	CHR
03/12/12	03/12/12	03/12/12

PANEL TYPE

COMPRESSOR DATA TABLE 3PH TRIPLEX PANEL DATA

MISC

DWG. NO.

SIZE

NAME

BFH

BFH

BFH

DATE

03/12/12

02/26/13

03/04/13 PXEC0038

ECN

22545

PXEC0030

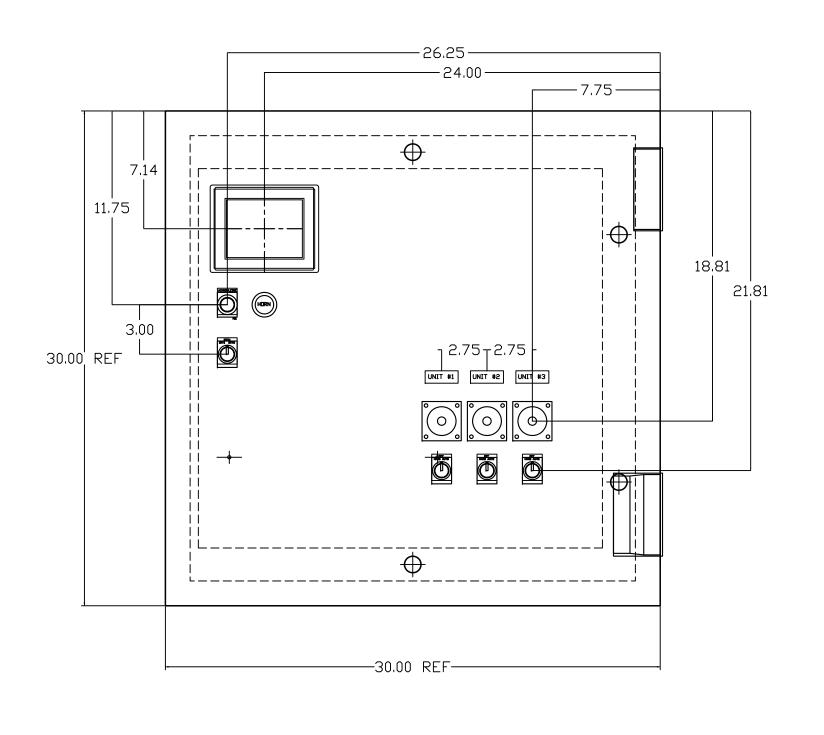
CHKD

CHR

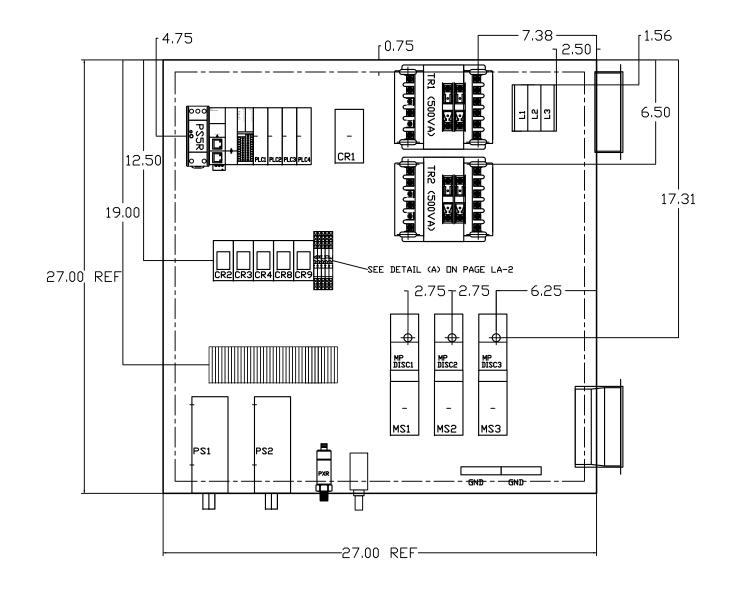
CHR

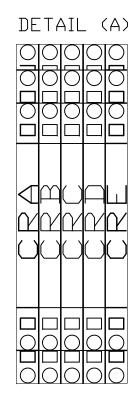
TRIPLEX PANEL DATA

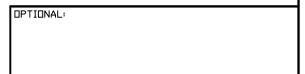
	RE∨	REVISI□N	DATE	ECN	NAME	СНКД
	B-1	RELEASE TO PRODUCTION	09/15/23	PXEC0521	КМД	AJL
IGHT SIDE ENCLOSURE						
	3.00					
EXHAUST CUT-DUT						
		OPTIONAL:				
		P€	•WE	R	E	X
COOLING FAN CUT-OUT		This drawing the SCOTT F	CONFIDENTIAL DIS is the property ETZER COMPANY ar ts contents are d or submitted to	CLOSURE: of POWI od subjec confider o outside	EREX, IN	C. of
FAN	3.00	This drawing the SCUTT F on demand. I not be copie DRAWN	CONFIDENTIAL DIS is the property ETZER COMPANY or	CLOSURE: of POWI od subjec confider o outside	EREX, IN	C. of eturn d must s for
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FAN	3.00	This drawing the SCOTT Fon demand. In not be copie DRAWN BY KMD 09/15/2	CONFIDENTIAL DIS Is the property ETZER COMPANY ar ts contents are d or submitted to use or examin CHECKED BY AJL	CLOSURE: of POWI of subject confider o outside ation.	EREX, IN ct to re notial and e partie ENGINEE APPRO	C. of eturn d must s for ERING VAL
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FAN		This drawing the SCOTT For demand. In not be copie DRAWN BY KMD 09/15/2 PANEL TYPE TRI INS HMI, NF DWG. TYPE	CONFIDENTIAL DIS Is the property Is the property TEXER COMPANY or ts contents are of or submitted to use or examin CHECKED BY AJL 3 09/15/2	of PDWInd subject confider to outside ation.	EREX, IN ct to rintial and e partie ENGINEE APPRO	C. of eturn d must s for ERING VAL
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RE∨	REVISION	DATE	ECN	NAME	CHKD
B-1	RELEASE TO PRODUCTION	09/15/23	PXEC0521	KMD	AJL







P WEREX

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DRAWN BY	CHECKED BY	ENGINEERING APPROVAL				
KMD	AJL	KMD				
09/15/23	09/15/23	09/15/23				

PANEL TYPE

TRI INST AIR COMP HMI, NFPA

DWG. TYPE LAYOUT

DWG. NO.

PBIA-369

SHEET SIZE

LA-2

PBIA-369

