

REVISIONS

REV.	DESCRIPTION	DATE	APPROVED
A	SUBMITTAL PRELIMINARY RELEASE	6/21/2016	VG

- 14. KICK PLATES (SKIRTS) AS OPTIONAL.
- △3 TVSS (SPD NOT AVAILABLE WITH DUAL INPUT BREAKER).

REMOVABLE TOP EXIT

TOP ENTRY BUSBARS (OPTIONAL)

TOP ENTRY

NEUTRAL BUS 200% RATED
Ø0.500 DOUBLE HOLE AT 1.75" APART
NEMA 2

GND & ISO BUS (OPTIONS)
SINGLE HOLE
FRAME GND
ISOLATED GND

MAIN OUTPUT (OPTIONAL)

TVSS (SPD) △3 (OPTIONAL)
100kA
200kA
INPUT
OUTPUT

(16) J FRAME MAX 250A SUBFEED CB'S

- 01 CB 02 CB 03 CB 04 CB
- 05 CB 06 CB 07 CB 08 CB
- 09 CB 10 CB 11 CB 12 CB
- 13 CB 14 CB 15 CB 16 CB

FUSE PANEL △3

EPO: -EMERGENCY POWER OFF

DISPLAY: △3 -WAVESTAR HMI COLOR

ISOLATED CONTROL MODULE:
-M4G △3
-BCMS △3
-CONTRACTOR BOARD

KIRK KEY (OPTIONAL)
DUAL INPUT CB ONLY

INPUT CIRCUIT BREAKER △12

(STANDARD)
DUAL INPUT OPTIONAL AND KIRK KEY PROVIDED
MAIN OUTPUT CIRCUIT BREAKER NOT AVAILABLE IN THE SAME ENCLOSURE, USE A SIDE CAR FOR THIS PURPOSE.

△5 36.00

△4 6.00

84.00

625-750kVA
△4 6.0-10.0"
300-500kVA
2.0-4.0"

CF △4

FRONT VIEW
MAIN DOORS HIDDEN

FRONT VIEW

33.03

BOTTOM ENTRY/EXIT (STANDARD)

Ø.63

△12 INPUT CIRCUIT BREAKER BOTTOM OFFER MECHANICAL LUGS ONLY FOR WIRES LANDING.

△4 THE DEPTH OF THE UNIT DEPENDING ON TRANSFORMER SPECIFICATIONS THE DIMENSION MAY VARY FROM PRELIMINARY TO ACTUAL SUBMITTAL.

10. CONSULT NATIONAL ELECTRIC CODE (NEC) AND LOCAL REGULATIONS

9. ALL CUSTOMER SUPPLIED CABLE CONNECTIONS BASED ON 75°C CU OR AL

8. COLOR: IBM PEARL WHITE; OTHER COLOR OPTIONAL

△4 CONSULT THE FACTORY FOR TRANSFORMER SIZE

6. APPROXIMATE WEIGHT:

750kVA	625kVA	500kVA	400kVA	300kVA
5200 LB	4900 LB	4700 LB	4500 LB	4200 LB

△4 MINIMUM CLEARANCE FOR DOORS

△4 MINIMUM VENTILATION CLEARANCE FOR REAR AND ONE SIDE

△4 ALL OPERATORS CONTROLS ARE FRONT ACCESS WITHOUT EXPOSURE TO LIVE PARTS

2. FRONT ACCESS INSTALLATION AND MAINTENANCE

1. ALL DIMENSION ARE IN INCHES
NOTES: UNLESS OTHERWISE SPECIFIED

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DO NOT SCALE DRAWING	
APPROVALS	DATE
DRAWN AD	07/28/15
DESIGNED AD	07/28/15
CHECKED JS	07/28/15
ENG. APPR. VG	07/28/15
MFG. APPR.	

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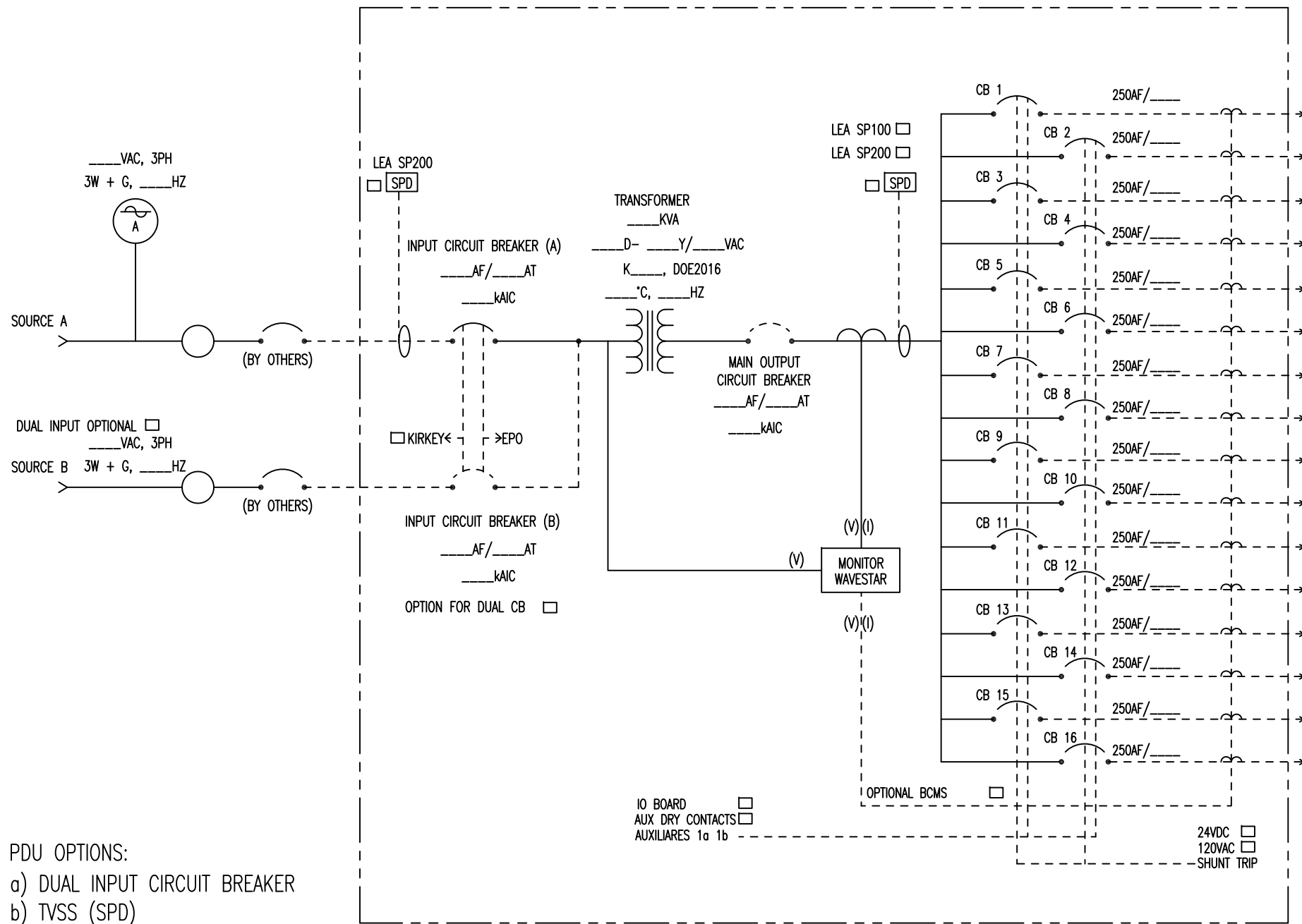


TITLE: 300-750KVA POWER DISTRIBUTION UNIT

SIZE B	DWG. NO. 92-PH2J	REV A
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SCALE: 1:4 PART NO. SHEET 1 OF 2

_____KVA POWER DISTRIBUTION UNIT



INPUT CIRCUIT BREAKER SELECTION (480VAC)				
35kAIC 80% RATED	65kAIC 80% RATED	35kAIC 100% RATED (LI)	65kAIC 100% RATED (LI)	65kAIC 100% RATED (LSI)
MGL36500 <input type="checkbox"/>	MJL36500 <input type="checkbox"/>	PGL36050CU31A <input type="checkbox"/>	PJL36050CU31A <input type="checkbox"/>	PJL36050CU33A <input type="checkbox"/>
MGL36700 <input type="checkbox"/>	MJL36700 <input type="checkbox"/>	PGL36080CU31A <input type="checkbox"/>	PJL36080CU31A <input type="checkbox"/>	PJL36080CU33A <input type="checkbox"/>
MGL36800 <input type="checkbox"/>	MJL36800 <input type="checkbox"/>	PGL36080CU31A <input type="checkbox"/>	PJL36080CU31A <input type="checkbox"/>	PJL36080CU33A <input type="checkbox"/>
PGL36100 <input type="checkbox"/>	PJL36100 <input type="checkbox"/>	PGL36100CU31A <input type="checkbox"/>	PJL36100CU31A <input type="checkbox"/>	PJL36100CU33A <input type="checkbox"/>
PGL36120 <input type="checkbox"/>	PJL36120 <input type="checkbox"/>	PGL36120CU31A <input type="checkbox"/>	PJL36120CU31A <input type="checkbox"/>	PJL36120CU33A <input type="checkbox"/>

SUBFEED CIRCUIT BREAKER SELECTION 480-208VAC				
35/65kAIC 80% RATED (LI)	35/65kAIC 100% RATED (LI)	35/65kAIC 80% RATED (LSI)	35/65kAIC 100% RATED (LSI)	65/100kAIC 100% RATED (LSI)
HGL36100U31X <input type="checkbox"/>	HGL36100CU31X <input type="checkbox"/>	HGL36100U33X <input type="checkbox"/>	HGL36100CU33X <input type="checkbox"/>	HJL36100CU33X <input type="checkbox"/>
HGL36125U31X <input type="checkbox"/>	HGL36125CU31X <input type="checkbox"/>	HGL36125U33X <input type="checkbox"/>	HGL36125CU33X <input type="checkbox"/>	HJL36125CU33X <input type="checkbox"/>
JGL36250U31X <input type="checkbox"/>	JGL36250CU31X <input type="checkbox"/>	JGL36250U33X <input type="checkbox"/>	JGL36250CU33X <input type="checkbox"/>	JLL36250CU33X <input type="checkbox"/>

MAIN OUTPUT CIRCUIT BREAKER SELECTION 480/208VAC				
35/65kAIC 80% RATED (LI)	35/65kAIC 100% RATED (LI)	35/65kAIC 80% RATED (LSI)	35/65kAIC 100% RATED (LSI)	65/100kAIC 100% RATED (LSI)
RGF36060U31A <input type="checkbox"/>	RGF36060CU31A <input type="checkbox"/>	RGF36060U33A <input type="checkbox"/>	RGF36060CU33A <input type="checkbox"/>	RJF36060CU33A <input type="checkbox"/>
RGF36080U31A <input type="checkbox"/>	RGF36080CU31A <input type="checkbox"/>	RGF36080U33A <input type="checkbox"/>	RGF36080CU33A <input type="checkbox"/>	RJF36080CU33A <input type="checkbox"/>
RGF36100U31A <input type="checkbox"/>	RGF36100CU31A <input type="checkbox"/>	RGF36100U33A <input type="checkbox"/>	RGF36100CU33A <input type="checkbox"/>	RJF36100CU33A <input type="checkbox"/>
RGF36120U31A <input type="checkbox"/>	RGF36120CU31A <input type="checkbox"/>	RGF36120U33A <input type="checkbox"/>	RGF36120CU33A <input type="checkbox"/>	RJF36120CU33A <input type="checkbox"/>
RGF36160U31A <input type="checkbox"/>	RGF36160CU31A <input type="checkbox"/>	RGF36160U33A <input type="checkbox"/>	RGF36160CU33A <input type="checkbox"/>	RJF36160CU33A <input type="checkbox"/>
RGF36200U31A <input type="checkbox"/>	RGF36200CU31A <input type="checkbox"/>	RGF36200U33A <input type="checkbox"/>	RGF36200CU33A <input type="checkbox"/>	RJF36200CU33A <input type="checkbox"/>
RGF36250U31A <input type="checkbox"/>	RGF36250CU31A <input type="checkbox"/>	RGF36250U33A <input type="checkbox"/>	RGF36250CU33A <input type="checkbox"/>	RJF36250CU33A <input type="checkbox"/>
RGF36300U31A <input type="checkbox"/>	RGF36300CU31A <input type="checkbox"/>	RGF36300U33A <input type="checkbox"/>	RGF36300CU33A <input type="checkbox"/>	RJF36300CU33A <input type="checkbox"/>

USE THIS TABLE FOR DIFFERENT VOLTAGES AND APPLY A CIRCUIT BREAKER kAIC ACCORDINGLY ON THE TABLES ABOVE

kAIC				
VOLTAGE	(FRAME L, M, P, R) G	(FRAME L, M, P, R) J	(FRAME L, M, P, R) L	(FRAME P, R) K
240VAC <input type="checkbox"/>	65 kAIC <input type="checkbox"/>	100 kAIC <input type="checkbox"/>	125 kAIC <input type="checkbox"/>	65 kAIC <input type="checkbox"/>
480VAC <input type="checkbox"/>	35 kAIC <input type="checkbox"/>	65 kAIC <input type="checkbox"/>	100 kAIC <input type="checkbox"/>	65 kAIC <input type="checkbox"/>
600VAC <input type="checkbox"/>	25 kAIC <input type="checkbox"/>	25 kAIC <input type="checkbox"/>	50 kAIC <input type="checkbox"/>	65 kAIC <input type="checkbox"/>

2. PDU OPTIONS:

- a) DUAL INPUT CIRCUIT BREAKER
- b) TVSS (SPD)
- c) TRANSFORMER VOLTAGES, IMPEDANCE, INRUSH, TEMPERATURE RISE, EFFICIENCY, FREQUENCY AND ALUMINUM WINDINGS
- d) WAVESTAR ENHANCED (BCMS, IO BOARD, ENHANCED CONTRACTOR BOARD)
- e) AUXILIARES, BELL ALARMS DRY CONTACT OR IO BOARD (SMAC)
- f) CIRCUIT BREAKERS AVAILABLE FOR 100% AND/OR HIGH kAIC
- g) CIRCUIT BREAKERS SHUNT TRIP 120VAC, 24VAC OR 24VDC
- h) SQUARE D MONITORING SYSTEM.

1. STANDARD PDU CONTAINS:

- a) INPUT CIRCUIT BREAKER 35kAIC @ 480VAC, 80% RATED, FIXED TRIP
- b) EMERGENCY PUSH BUTTON (EPO)
- c) TRANSFORMER 480D-208/120VAC, K9, DOE2016, 150°C, CU, 60HZ, IR 8-10X, IZ 2.5-5%, TAPS +2/-2
CUSTOM SPECIFICATION: CONSULT WITH THE FACTORY
- d) WAVESTAR STANDARD (M4G, COLOR DISPLAY, STANDARD CONTRACTOR BOARD)

NOTES:

CONDUIT AVAILABILITY		
CB AMPERAGE	WIRE (CU)	WIRE (AL)
< 250A	16 CONDUITS + INPUT	SAME AS (CU)

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PDI

TITLE: 300-750kVA
POWER DISTRIBUTION UNIT

SIZE	DWG. NO.	REV
B	92-PH2J	A

SCALE: NONE PART NO. SHEET 2 OF 2