



TITLE: 3PH DISTRIBUTION TRANSFORMER  
NAMEPLATE INFORMATION

3	21/07/16	PP	EDB UPDATE	DES: JWEN
2	20/03/17	PP	SEISMIC UPDATE	DATE: 16/09/08
NO.	DATE	BY	REVISION	SCALE: NTS

SHEET 1 OF 3

EDBSK3A0045PB4S

3.0 httpd 2026/05/27 13:04

**POWER SOLUTIONS**  
Guelph, ONT  
Compton, CA

**HPS Sentinel™ K**  
Energy Efficient Distribution Transformer  
Transformateur de Distribution à Bon Rendement Énergétique

Baraboo, WI  
Monterrey, MX

Hyderabad, IN    Part No. **SK3A0045PB4S**

Cust. Ref. [ ]  
Ref. du Client [ ]

Phase 3

Type K

Cooling Refroidissement ANN

kVA 45

Temp. Rise Echauffement 150 °C

Temp Class Classe Temp 220 °C

Winding Enroulement AL

Frequency Fréquence Hz 60

Impedance % @ 170 °C 4.3

Encl Type Type De Coffrage 3R

Weight Poids lbs 365

Serial No. No. de Serie [ ]

HV/HT 600V

BIL 10 kV

Term Bornes H1 H2 H3

LV/BT 208Y/120V 125A

BIL 10 kV

Term Bornes X0 X1 X2 X3

Energy Regulations Règlement Énergétique DOE 10 CFR PART 431:2016

CEE ACT SOR/2018-201

Suitable for non-sinusoidal current load with K-factor not to exceed 4  
Convient à des courants non-sinusoidaux avec facteur K n'excédant pas 4

DRY TYPE TRANSFORMER E112313

ALSO VERIFIED IN ACCORDANCE TO ENERGY STANDARD CRO22-18 BY UNDERMILLERS LABORATORIES INC. © 306

**LISTED**

VOLTS	CURRENT COURANT	% RATED VOLTAGE % NOMINALE	CONNECTION CONNECTION PAR PHASE
630	41.2	105	1
615	42.2	102.5	2
600	43.3	100	3
585	44.4	97.5	4
570	45.6	95	5
555	46.8	92.5	6
540	48.1	90	7

SPACINGS BETWEEN ANY VENTILATED ENCLOSURE PANEL AND ANY ADJACENT WALL SHALL BE A MINIMUM OF 3 INCHES  
ÉLECTROSTATIC SHIELD

SEISMIC QUALIFICATIONS:  
GSP-0136/IBC, 2018/ASCE 7-16  
SDS<=2.0g Z/n=1 Ip=1.5

d000187hb

THIS DRAWING CONTAINS STRICTLY CONFIDENTIAL INFORMATION BELONGING TO HAMMOND POWER SOLUTIONS AND MUST NOT BE DISTRIBUTED OUTSIDE AUTHORIZED PARTIES.



All Dimensions in inches

ENCLOSURE COLOR : ANSI 61 GREY – OUTDOOR

HV TERMINAL DETAIL

LV TERMINAL DETAIL

X0 TERMINAL DETAIL

MECHANICAL TYPE LUGS INCLUDED  
SUITABLE FOR #14-2 CU/AL  
CONDUCTORS  
1 CONDUCTOR PER PHASE

MECHANICAL TYPE LUGS INCLUDED  
SUITABLE FOR 250MCM-6 CU/AL  
CONDUCTORS  
1 CONDUCTOR PER PHASE

MECHANICAL TYPE LUGS INCLUDED  
SUITABLE FOR 600MCM-2 CU/AL  
CONDUCTORS  
1 CONDUCTOR PER PHASE

CUSTOMER NOTES:

- HV TERMINATED AT TOP FRONT
- LV TERMINATED AT BOTTOM FRONT
- X0 TERMINATED AT BOTTOM FRONT
- 200% RATED NEUTRAL PROVIDED



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ENCLOSURE BOTTOM VIEW



NOTE:  
 WHEN BOTTOM CABLE ENTRY IS OPTED, THE SPACE USED FOR CONDUITS IN THE FRONT OF THE TRANSFORMER SHOULD NOT OBSTRUCT MORE THAN 50% OF THE FRONT AIR INTAKE AREA DEFINED BETWEEN THE BOTTOM PLATE AND THE SUPPORTING LEGS.  
 SEE MANUAL FOR ADDITIONAL INFORMATION



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 ENCLOSURE BOTTOM VIEW

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