



TITLE: 3PH DISTRIBUTION TRANSFORMER
NAMEPLATE INFORMATION

3	21/07/16	PP	EDB UPDATE	DES: LCEN
2	20/03/17	PP	SEISMIC UPDATE	DATE: 16/04/18
NO.	DATE	BY	REVISION	SCALE: NTS

SHEET 1 OF 3

EDB SH310045KB3S

3.0 httpd 2026/04/25 11:02

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POWER SOLUTIONS
Guelph, ONT Compton, CA
Hyderabad, IN

hammond HPS Sentinel™ H
DRY TYPE HARMONIC MITIGATING TRANSFORMER
TRANSFORMATEUR À SEC POUR MITIGATION D'HARMONIQUES
Baraboo, WI Part No. SH310045KB3S
Monterrey, MX

Cust. Ref. [] Serial No. []
Ref. du Client [] No. de Serie []

Phase 3 Model []

Type K HV/HT 480V

Cooling Refroidissement ANN Term Bornes H1 H2 H3

kVA 45 LV/BT 208Z/120V

Temp. Rise Echauffement 150 °C Term Bornes X1 X2 X3

Temp Class Classe Temp 220 °C Neutral X0(200%)

Winding Enroulement AL Energy Regulations DOE 10 CFR PART 431:2016

Frequency Fréquence Hz 60 Reglements de Energetique CEE ACT SOR/2018-201

Impedance % @ 170 °C 3.9 Z₀ 0.95 MAX

Encl Type Type De Coffrage 3R Number of Secondaries []

Weight Poids lbs 525

VOLTS	CURRENT COURANT	% RATED VOLTAGE % TENSION NOMINALE	CONNECTION CONNECTION PAR PHASE
504	51.5	105	1
492	52.8	102.5	2
480	54.1	100	3
468	55.5	97.5	4
456	57.0	95	5
444	58.5	92.5	6
432	60.1	90	7

SEISMIC QUALIFICATIONS:
AS FLOOR MOUNT ONLY
IBC 2018/ASCE 7-16
SDS<=2.0g Z/n=1 Ip=1.5

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

0°
ANGULAR DISPLACEMENT

H1 H2 H3 X1 X2 X3 X0

0000190hb

LISTED
E112313
ALSO VERIFIED IN ACCORDANCE TO ENERGY STANDARD C802.2-18 BY UNDERWITERS LABORATORIES INC. 3106



SP @ LR 3902
DRY TYPE TRANSFORMER 8 03423 13481 5

DRY TYPE HARMONIC MITIGATING TRANSFORMER
TRANSFORMATEUR À SEC POUR MITIGATION D'HARMONIQUES
Part No. SH310045KB3S

CONNECTION CONNECTION PAR PHASE
1
2
3
4
5
6
7

SEISMIC QUALIFICATIONS:
AS FLOOR MOUNT ONLY
IBC 2018/ASCE 7-16
SDS<=2.0g Z/n=1 Ip=1.5

ANGULAR DISPLACEMENT
0°

H1 H2 H3 X1 X2 X3 X0

0000190hb



All Dimensions in inches



ENCLOSURE COLOR :ANSI 61 GREY – OUTDOOR

H.V.1. TERMINAL DETAIL

L.V.1. 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

CUSTOMER NOTES:

- HV1 TERMINATED AT BOTTOM FRONT
- LV1 TERMINATED AT TOP FRONT
- 200% RATING NEUTRAL



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EDBSH310045KB3S

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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