



TITLE: 3PH DISTRIBUTION TRANSFORMER
NAMEPLATE INFORMATION

4	21/07/16	PP	EDB UPDATE	DES: LCEN
3	20/09/21	AA	UPDATED TO NEW STYLE	DATE: 16/03/24
NO.	DATE	BY	REVISION	SCALE: NTS

SHEET 1 OF 3

EDB SH310045KB3K

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POWER SOLUTIONS

Guelph, ONT Compton, CA
Hyderabad, IN

HPS Sentinel™ H

DRY TYPE HARMONIC MITIGATING TRANSFORMER

TRANSFORMATEUR À SEC POUR MITIGATION D'HARMONIQUES

Part No. SH310045KB3K

LR 3902

DRY TYPE TRANSFORMER 8 03423 13525 6

ALSO VERIFIED IN ACCORDANCE TO ENERGY STANDARD CRO22-18 BY UNDERMETERS LABORATORIES INC. © 316

LISTED

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

Cust. Ref. Ref. du Client	Serial No. No. de Serie	Phase	Model	HV/HT	Term Bornes	LV/BT	Term Bornes	Neutral	Energy Regulations
		3	K	480V	H1 H2 H3	208Z/120V	X1 X2 X3	X0(200%)	DOE 10 CFR PART 431:2016
Type	Cooling Refrondissement	kVA	Temp. Rise Echauffement	Temp Class Classe Temp	Winding Enroulement	Frequency Frequence Hz	Impedance % @ 170 °C	Encl Type Type De Coffrage	Weight Poids lbs
		45	150 °C	220 °C	CU	60	3.2	3R	495

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

H1 H2 H3

X1 X2 X3 X0

SENTINEL H

ANGULAR DISPLACEMENT

0°

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

d000190hb



All Dimensions in inches

ENCLOSURE COLOR : ANSI 61 GREY – OUTDOOR

HV TERMINAL DETAIL

LV 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:

- HV TERMINATED AT TOP FRONT
- LV TERMINATED AT BOTTOM FRONT
- 200% RATED NEUTRAL
- C/W 2 X0 LUGS (DIVIDE CABLES EVENLY AMONG BOTH)



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EDBSH310045KB3K

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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