



TITLE: 3PH DISTRIBUTION TRANSFORMER  
NAMEPLATE INFORMATION

NO.	DATE	BY	REVISION	SCALE:
2	21/07/16	PP	EDB UPDATE	DES: LCEN
1	20/03/17	PP	SEISMIC UPDATE	DATE: 19/04/23
				NTS

SHEET 1 OF 3

EDB SH3U0045PB3K

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**hammond**  
POWER SOLUTIONS

Guelph, ONT Compton, CA  
Hyderabad, IN Compton, CA Monterrey, MX

**HPS Sentinel™ H**  
DRY TYPE HARMONIC MITIGATING TRANSFORMER  
TRANSFORMATEUR À SEC POUR MITIGATION D'HARMONIQUES

Part No. SH3U0045PB3K

Serial No. [ ] No. de Serie [ ]  
 Model [ ]  
 HV/HT [ ]  
 Term Bornes [ ]  
 LV/BT [ ]  
 Term Bornes [ ]  
 Neutral [ ]  
 Energy Regulations [ ]  
 Reglements Energetique [ ]  
 Z<sub>0</sub> [ ]  
 Number of Secondaries [ ]

Cust. Ref. [ ]  
 Phase [ ]  
 Type [ ]  
 Cooling Refroidissement [ ]  
 kVA [ ]  
 Temp. Rise Echauffement [ ]  
 Temp Class Classe Temp [ ]  
 Winding Enroulement [ ]  
 Frequency Fréquence Hz [ ]  
 Impedance % @ 170 °C [ ]  
 Encl Type Type De Coffrage [ ]  
 Weight Poids [ ]

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

DOE 10 CFR PART 431:2016  
 CEE ACT SOR/2018-201  
 0.95 MAX

SENTINEL H  
 ANGULAR DISPLACEMENT  
 -30°

SEISMIC QUALIFICATIONS:  
 AS FLOOR MOUNT ONLY  
 IBC 2018/ASCE 7-16  
 SDS<=2.0g Z/n=0 Ip=1.5

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

d000190hb



LR 3902  
 DRY TYPE TRANSFORMER 8 03423 13558 4  
 ALSO VERIFIED IN ACCORDANCE TO ENERGY STANDARD CRO22-18 BY UNDERMETERS LABORATORIES INC. 316

LISTED



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 250MCM-6 CU/AL  
CONDUCTORS  
2 CONDUCTORS PER PHASE

CUSTOMER NOTES:

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



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EDBSH3U0045PB3K

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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