



TITLE: 3PH DISTRIBUTION TRANSFORMER
NAMEPLATE INFORMATION

5	21/11/25	CS	NPL IMPEDANCE AND WEIGHT UPDATE	DES: LCEN
4	21/07/16	PP	EDB UPDATE	DATE: 16/03/24
NO.	DATE	BY	REVISION	SCALE: NTS

SHEET 1 OF 3

EDB SH310030KB3K

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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 Monterrey, MX
Part No. SH310030KB3K

Cust. Ref. Ref. du Client	Serial No. No. de Serie	Phase	Model	HV/HT	Type	Cooling Refroidissement	Term Bornes	LV/BT	Temp. Rise Echauffement	Temp Class Classe Temp	Winding Enroulement	Frequency Fréquence Hz	Impedance % Z ₀	Encl Type Type De Coffrage	Weight Poids lbs
		3	K	480V		ANN	H1 H2 H3	208Z/120V	150 °C	220 °C	CU	60	3	3R	440

VOLTS	CURRENT COURANT	% RATED VOLTAGE % NOMINALE	CONNECTION SCHEMATIC CONNEXION PAR PHASE
504	34.4	105	1
492	35.2	102.5	2
480	36.1	100	3
468	37.0	97.5	4
456	38.0	95	5
444	39.0	92.5	6
432	40.1	90	7

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

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

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

LISTED
UL E112313
ALSO VERIFIED IN ACCORDANCE TO ENERGY STANDARD CROZ-18 BY UNDERMETERS LABORATORIES INC. 316

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

ANGULAR DISPLACEMENT
H1 H2 H3 X1 X2 X3 X0

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 #2/0-14 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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EDBSH310030KB3K

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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