




TITLE: 3PH DISTRIBUTION TRANSFORMER  
NAMEPLATE INFORMATION

3	21/11/25	CS	NPL IMPEDANCE AND WEIGHT UPDATE	DES: LCEN
2	21/07/16	PP	EDB UPDATE	DATE: 17/09/18
NO.	DATE	BY	REVISION	SCALE: NTS

SHEET 1 OF 3


EDB SH3U0075KB3K

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**hammond**  
POWER SOLUTIONS

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



LR 3902  
DRY TYPE TRANSFORMER 8 03423 13548 5  
ALSO VERIFIED IN ACCORDANCE TO ENERGY STANDARD C802.2-18 BY UNDERWITERS LABORATORIES INC. 3106

Hyderabad, IN    Guelph, ONT    Baraboo, WI    Monterrey, MX    Part No. SH3U0075KB3K

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	480YV	H1 H2 H3	208Z/120V	X1 X2 X3	X0(200%)	DOE 10 CFR PART 431:2016
Type	Cooling Refrigidissement	kVA	Temp. Rise Echauffement	Temp Class Classe Temp	Winding Enroulement	Frequency Frequence Hz	Impedance % @ 170 °C	Encl Type Type De Coffrage	Number of Secondaries
		75	150 °C	220 °C	CU	60	4.8	3R	800

VOLTS	CURRENT COURANT	% RATED VOLTAGE % NOMINALE	CONNECTION LE CONNECTION
504 492 480 468 456 444 432	85.9 88.0 90.2 92.5 95.0 97.5 100.2	105 102.5 100 97.5 95 92.5 90	1 2 3 4 5 6 7

H1 → 34  
→ 56  
→ 7

SENTINEL H

ANGULAR DISPLACEMENT

— 30°

X1  
X2  
X3  
X0

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

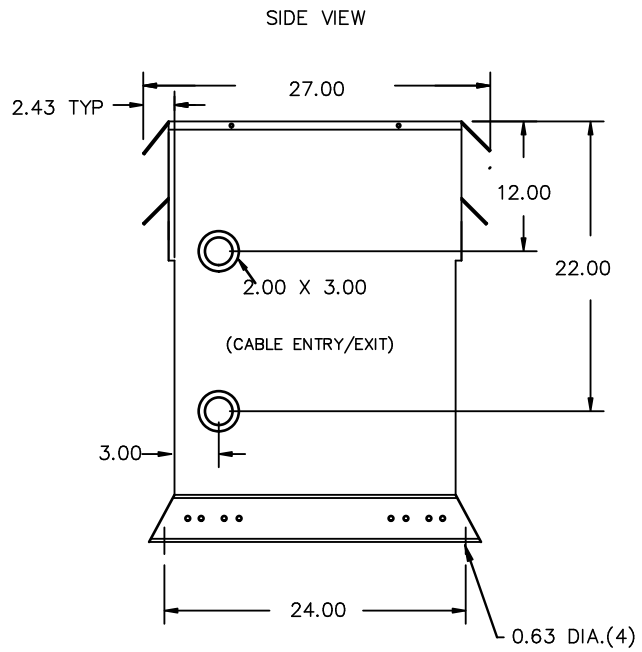
SPACINGS BETWEEN ANY VENTILATED ENCLOSURE PANEL AND ANY ADJACENT WALL SHALL BE A MINIMUM OF 3 INCHES ELECTROSTATIC SHIELD

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

d000190hb



All Dimensions in inches



ENCLOSURE COLOR :ANSI 61 GREY – OUTDOOR

HV TERMINAL DETAIL

LV TERMINAL DETAIL

MECHANICAL TYPE LUGS INCLUDED  
SUITABLE FOR #2/0-14 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 BOTTOM FRONT
- LV TERMINATED AT TOP FRONT
- 200% RATED NEUTRAL XO HAS QTY 2 LUGS



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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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