Hammond Power Solutions Inc.

NO.	DATE	BY	REVISION
5	22/02/15	CS	DESIGN UPDATE
4	21/07/16	PP	EDB UPDATE

TITLE: 3PH DISTRIBUTION TRANSFORMER
NAMEPLATE INFORMATION

SCALE: NTS | DATE: 15/11/09 | DES: JWEN

SHEET 1 OF 3

EDB SG3A0030KBOAF

HPS Sentinel™ G

Energy Efficient Distribution Transformer
Transformateur de Distribution à Bon Rendement Énergétique

Hammond Power Solutions
Hyderabad, IN | Guelph, ONT Compton, CA | Baraboo, WI Monterrey, MX

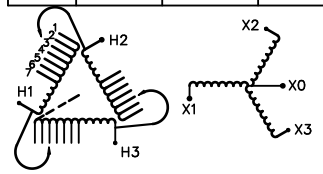
Part No. SG3A0030KBOAF

LR 3902
DRY TYPE TRANSFORMER 77US E112313 LISTED
8 03423 12354 3
ALSO VERIFIED IN ACCORDANCE TO ENERGY STANDARD C802.2-18 BY UNDERWRITERS LABORATORIES INC.® 3VJ6

Cust. Ref. Ref. du Client		Serial No. No. de Serie	
Phase	3	HV/HT	480V
Type	K	BIL	10 kV
Cooling Refroidissement	ANN	Term Bornes	H1 H2 H3
kVA	30	LV/BT	208Y/120V
Temp. Rise Echauffement	115 °C	BIL	10 kV
Temp Class Classe Temp	220 °C	Term Bornes	X0 X1 X2 X3
Winding Enroulement	AL	Energy Regulations	DOE 10 CFR PART 431:2016
Frequency Frequence Hz	60	Reglements de Energetique	CEE ACT SOR/2018-201
Impedance % @ 135 °C	3.6		
Encl Type Type De Coffrage	3R		
Weight Poids lbs/kg	305/139		

VOLTS	CURRENT COURANT	% RATED VOLTAGE % TENSION NOMINALE	CONNECTION EACH PHASE 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

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

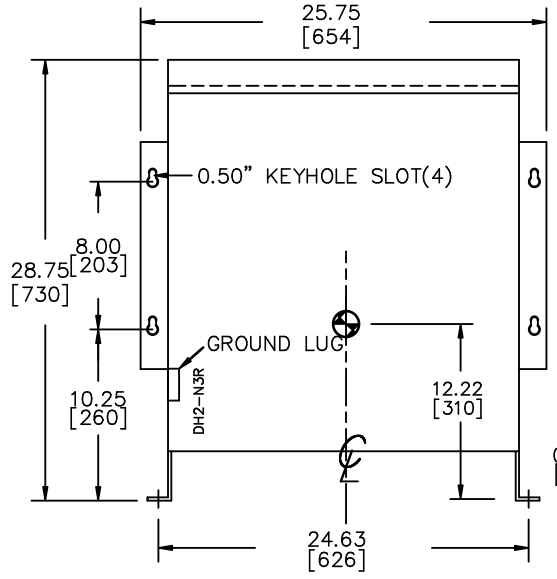


SEISMIC QUALIFICATIONS:
OSP-0136-10/IBC 2018/ASCE 7-16
SDS<=2.0g Z/h=1 Ip=1.5

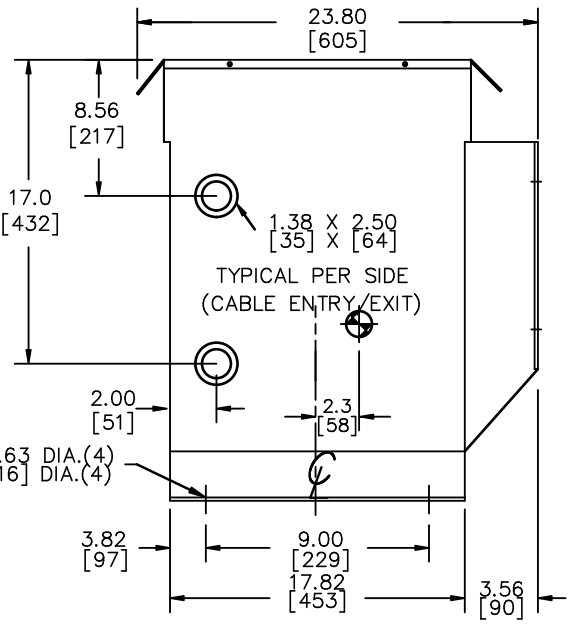
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FRONT VIEW



SIDE VIEW



All Dimensions in inches[mm]

ENCLOSURE COLOR : ANSI 61 GREY – OUTDOOR

H.V.1. TERMINAL DETAIL

MECHANICAL TYPE LUGS INCLUDED
SUITABLE FOR #14–2 CU/AL
CONDUCTORS
1 CONDUCTOR PER PHASE

L.V.1. TERMINAL DETAIL

MECHANICAL TYPE LUGS INCLUDED
SUITABLE FOR #2/0–14 CU/AL
CONDUCTORS
1 CONDUCTOR PER PHASE

CUSTOMER NOTES:
- HV1 TERMINATED AT TOP FRONT
- LV1 TERMINATED AT BOTTOM FRONT

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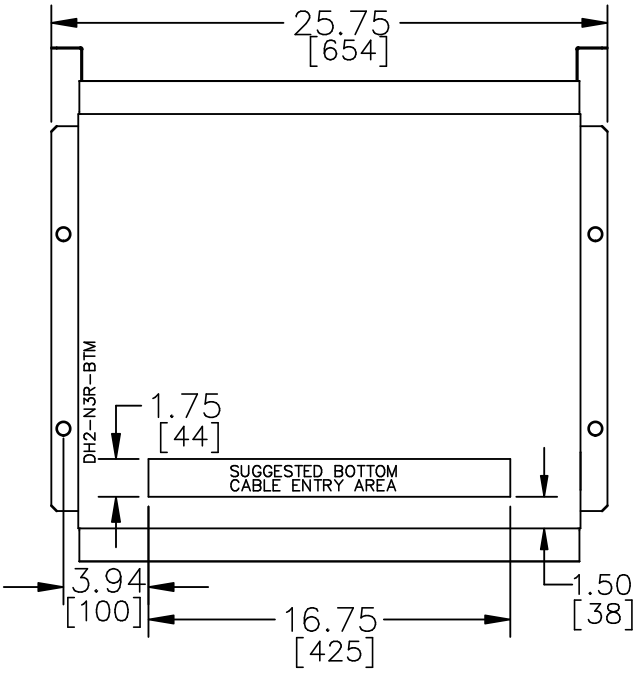
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ENCLOSURE BOTTOM VIEW



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

Hammond Power Solutions Inc.

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ENCLOSURE BOTTOM VIEW

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SHEET 3 OF 3

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