




TITLE: 3PH DISTRIBUTION TRANSFORMER  
NAMEPLATE INFORMATION

NO.	DATE	BY	REVISION
3	25/10/29	AO	EDB UPDATE
2	21/07/16	PP	EDB UPDATE
			DES: PPLICASSI DATE: 19/10/07 SCALE: NTS

SHEET 1 OF 3

EDBSG3A0075KYOC

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**POWER SOLUTIONS**  
Guelph, ONT  
Hyderabad, IN Compton, CA

**HPS Sentinel™ G**  
Energy Efficient Distribution Transformer  
Transformateur de Distribution à Bon Rendement Énergétique

Baraboo, WI  
Monterrey, MX


Part No. **SG3A0075KYOC**

**DRY TYPE**  
77US  
E112313

LR 3902

034231128074

ALSO REFER TO ENERGY STANDARDS CODE BY UNDERWRITERS LABORATORIES INC. @ 316



**LISTED**

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

VOLTS	CURRENT COURANT	% RATED VOLTAGE TENSION NOMINALE	CONNECTION EACH PHASE CONNECTION PAR PHASE
504	85.9	105	1
492	88.0	102.5	2
480	90.2	100	3
468	92.5	97.5	4
456	95.0	95	5
444	97.5	92.5	6
432	100.2	90	7
430	100.7	107.5	A
416	104.1	104	B
400	108.2	100	C
380	113.9	95	D

Cust. Ref. / Ref. du Client	Serial No. / No. de Serie	480V	90.2A
Phase	HV/HT	10 kV	
Type	BIL	H1 H2 H3	
Cooling / Refroidissement	ANN	400Y/231V	108.3A
kVA	75	LV/BT	
Temp. Rise / Échauffement	150 °C	BIL	10 kV
Temp Class / Classe Temp	220 °C	Term Bornes	X0 X1 X2 X3
Winding / Enroulement	CU	Energy Regulations / Règlements de l'Énergétique	DOE 10 CFR PART 431:2016
Frequency / Fréquence Hz	60	CEE ACT SOR/2018-201	
Impedance % @ 170 °C	3.4		
Encl. Type / Type de Coffrage	3R		
Weight lbs/kg / Poids	625/284		

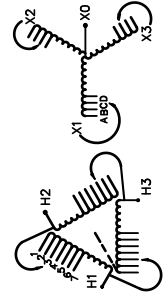
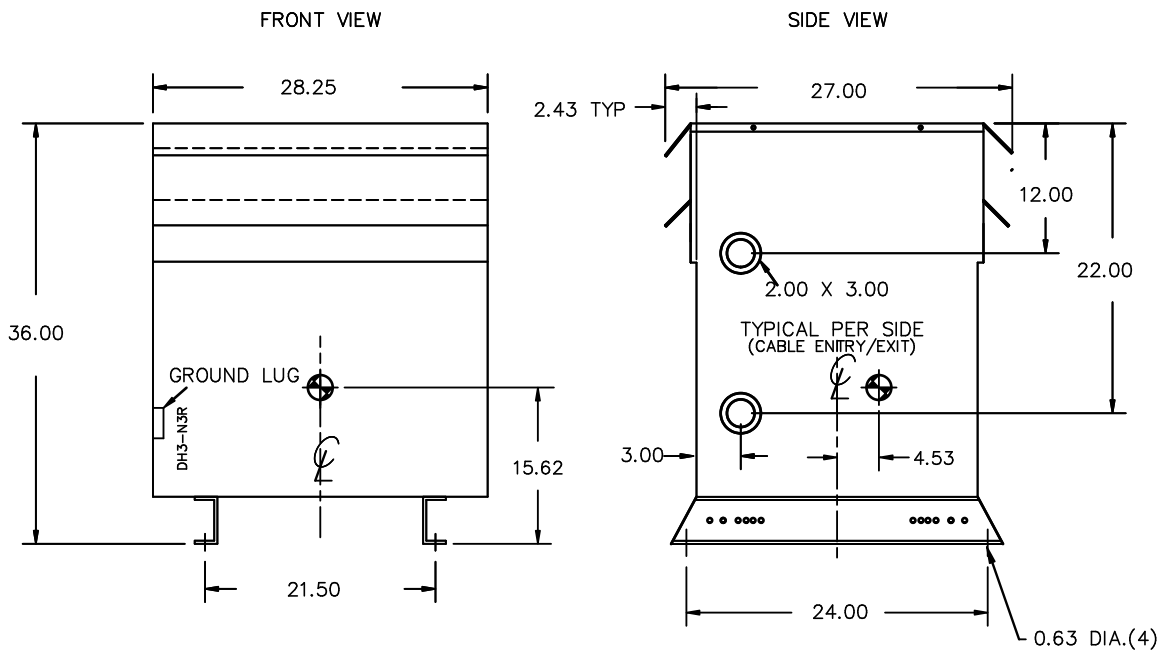


Diagram showing terminal connections: H1, H2, H3, X0, X1, X2, X3, A, B, C, D.

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

d000186hb



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 250MCM-6 CU/AL  
CONDUCTORS  
1 CONDUCTOR PER PHASE

CUSTOMER NOTES:

- HV TERMINATED AT TOP FRONT
- LV TERMINATED AT BOTTOM FRONT



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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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