



TITLE: 3PH DISTRIBUTION TRANSFORMER
NAMEPLATE INFORMATION

NO.	DATE	BY	REVISION
3	21/07/13	PP	EDB UPDATE
2	20/03/17	PP	SEISMIC UPDATE
			DES: RMOVVA
			DATE: 16/08/31
			SCALE: NTS

SHEET 1 OF 3

EDBSC3A0045BG

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

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. **SG3A0045BG**

Serial No. _____
No. de Serie _____

Phase **3** HV/HT

Type **K** BIL

Cooling **ANN** Term Bornes

kVA **45** LV/BT

Temp. Rise **150 °C** BIL

Temp Class **220 °C** Term Bornes

Winding **AL** Energy Regulations

Frequency **60** Reglements de

Impedance % **4.7** Énergétique

Encl. Type **3R**

Weight **345** lbs

Poids

380Y/219V

10 kV

H0 H1 H2 H3

208V

10 kV

X1 X2 X3

DOE 10 CFR PART 431:2016

CEE ACT SOR/2018-201

VOLTS	CURRENT COURANT	% RATED % TENSION NOMINALE	CONNECTION EACH PHASE CONNECTION PAR PHASE
218	119	105	1
213	122	102.5	2
208	125	100	3
203	128	97.5	4
198	131	95	5
192	135	92.5	6
187	139	90	7

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

TRANSFORMER SUITABLE FOR STEP UP OPERATION ONLY

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

LISTED

UL

DRY TYPE
TRANSFORMER
E112313

UL

LR 3902

ALSO VERIFIED IN ACCORDANCE
TO ENERGY STANDARD C902-18
BY UNDERWRITERS LABORATORIES INC. @ 316

d000186hb



All Dimensions in inches

ENCLOSURE COLOR : ANSI 61 GREY – OUTDOOR

H.V.1. TERMINAL DETAIL

L.V.1. 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

CUSTOMER NOTES:

- HV1 TERMINATED AT BOTTOM FRONT
- LV1 TERMINATED AT TOP 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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