




TITLE: 3PH DISTRIBUTION TRANSFORMER
NAMEPLATE INFORMATION

| | | | | |
|-----|----------|----|------------|----------------|
| NO. | DATE | BY | REVISION | SCALE: |
| 2 | 21/07/16 | PP | EDB UPDATE | DES: PPICASSI |
| 1 | 20/05/26 | PP | NPL UPDATE | DATE: 20/04/24 |
| | | | | SCALE: NTS |

SHEET 1 OF 3

EDBSG3A0030KK

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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. **SG3A0030KK**

Cust. Ref. [] Serial No. []
Ref. du Client [] 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 480Y/277V

Temp. Rise Echauffement 150 °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 Fréquence Hz 60 Reglements de l'Energétique CEE ACT SOR/2018-201

Impedance % @ 170 °C 4.5

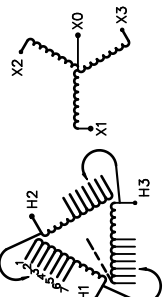
Encl. Type Type de Coffrage 3R

Weight Poids lbs 300

LISTED  **LR 3902**
DRY TYPE DISTRIBUTION TRANSFORMER
77US E112313
UL508
ALSO LISTED IN CONNECTION WITH ENERGY STANDARDS GROUP-18
BY UNDERWRITERS LABORATORIES INC. @ 316

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

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



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

d000186hb

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



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

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CUSTOMER NOTES:

- HV1 TERMINATED AT TOP FRONT
- LV1 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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