



TITLE: 3PH DISTRIBUTION TRANSFORMER  
NAMEPLATE INFORMATION


|     |          |    |  |
|-----|----------|----|--|
| NO. | DATE     | BY | REVISION                                   |
| 5   | 24/06/03 | AO | EDB UPDATE                                 |
| 4   | 21/07/16 | PP | EDB UPDATE                                 |
|     |          |    | DES: ASETH<br>DATE: 16/12/09<br>SCALE: NTS |

SHEET 1 OF 3

EDBSK3A0075KK4S


5.0 httpd 2026/04/01 22:19

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



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

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



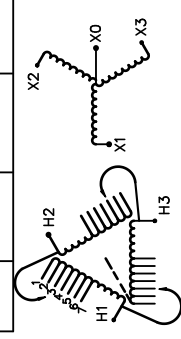
LR 3902  
DRY TYPE TRANSFORMER E112313  
ALSO VERIFIED IN ACCORDANCE TO ENERGY STANDARD CROZ-18 BY UNDERWITERS LABORATORIES INC. 3106

Hyderabad, IN    Monterrey, MX    Part No. SK3A0075KK4S

|                               |                            |  |                          |       |  |
|-------------------------------|----------------------------|--|--------------------------|-------|--|
| Cust. Ref.<br>Ref. du Client  | Serial No.<br>No. de Serie | HV/HT  | 480V                     | 90.2A |  |
| Phase                         | 3                          | BIL  | 10 kV                    |       |  |
| Type                          | K                          | Term Bornes                                  | H1 H2 H3                 |       |  |
| Cooling<br>Refroidissement    | ANN                        | LV/BT  | 480Y/277V                | 90.2A |  |
| kVA                           | 75                         | BIL  | 10 kV                    |       |  |
| Temp. Rise<br>Echauffement    | 150 °C                     | Term Bornes                                  | X0 X1 X2 X3              |       |  |
| Temp Class<br>Classe Temp     | 220 °C                     | Energy Regulations<br>Règlements Énergétique | DOE 10 CFR PART 431:2016 |       |  |
| Winding<br>Enroulement        | AL                         | Frequency<br>Fréquence Hz                    | 60                       |       |  |
| Impedance %<br>@ 170 °C       | 4.1                        | Impedance %<br>Type De Coffrage              | 3R                       |       |  |
| Encl Type<br>Type De Coffrage |                            | Weight lbs/kg                                | 575/261                  |       |  |

Suitable for non-sinusoidal current load with K-factor not to exceed 4  
Convient à des courants non-sinusoidaux avec facteur K n'excédant pas 4

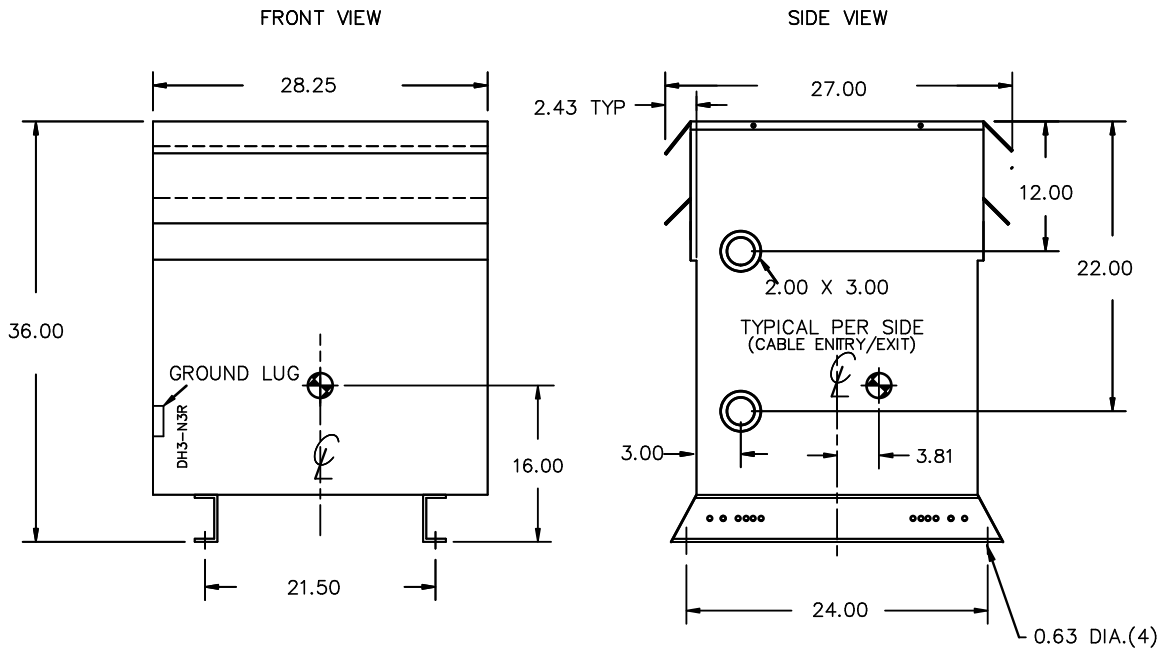
| VOLTS | CURRENT<br>COURANT | % RATED<br>VOLTAGE<br>% NOMINALE | CONNECTION<br>FOR<br>CONNECTION<br>PAR PHASE |
|-------|--------------------|----------------------------------|--|
| 504   | 85.9               | 105                              | 1  |
| 492   | 88.0               | 102.5                            | 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  |



SEISMIC QUALIFICATIONS:  
X0 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

d000187hb



All Dimensions in inches

ENCLOSURE COLOR :ANSI 61 GREY – OUTDOOR

HV TERMINAL DETAIL

LV TERMINAL DETAIL

X0 TERMINAL DETAIL

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

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1 CONDUCTOR PER PHASE

MECHANICAL TYPE LUGS INCLUDED  
SUITABLE FOR 350MCM-6 CU/AL  
CONDUCTORS  
1 CONDUCTOR PER PHASE

CUSTOMER NOTES:

- HV TERMINATED AT TOP FRONT
- LV TERMINATED AT BOTTOM FRONT
- X0 TERMINATED AT BOTTOM FRONT
- 200% RATED NEUTRAL PROVIDED



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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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