



Hammond Power Solutions Inc.


TITLE: 3PH DISTRIBUTION TRANSFORMER
NAMEPLATE INFORMATION

3	21/07/16	PP	EDB UPDATE	DES: JWEN
2	20/03/17	PP	SEISMIC UPDATE	DATE: 15/11/09
NO.	DATE	BY	REVISION	SCALE: NTS

SHEET 1 OF 3

EDBSC3A0015DB

3.0 Jwen 2021/07/16 12:53




Hammond Power Solutions
Guelph, ONT Compton, CA


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

Baraboo, WI Monterrey, MX

Part No. **SG3A0015DB**



LISTED



LISTED

DRY TYPE TRANSFORMER 77US E112313

LR 3902

0342312309

ALSO REFER TO ENERGY STANDARDS C002-18 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 VOLTAGE TENSION NOMINALE	CONNECTION EACH PHASE CONNECTION PAR PHASE
252	34.4	105	1
246	35.2	102.5	2
240	36.1	100	3
234	37.0	97.5	4
228	38.0	95	5
222	39.0	92.5	6
216	40.1	90	7

Serial No. []

HV/HT 240V

BIL 36.1A

10 kV

Term Bornes H1 H2 H3

LV/BT 208Y/120V 41.6A

10 kV

Term Bornes X0 X1 X2 X3

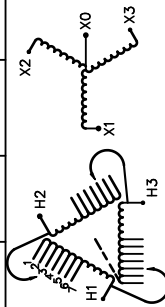
Energy Regulations DOE 10 CFR PART 431:2016

Reglements de l'Energétique CEE ACT SOR/2018-201

Encl. Type 3R

Type de Coffrage 175/80

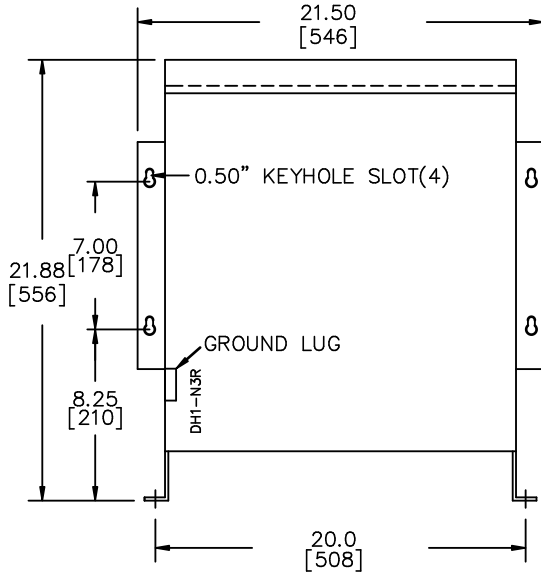
Weight lbs/kg Poids



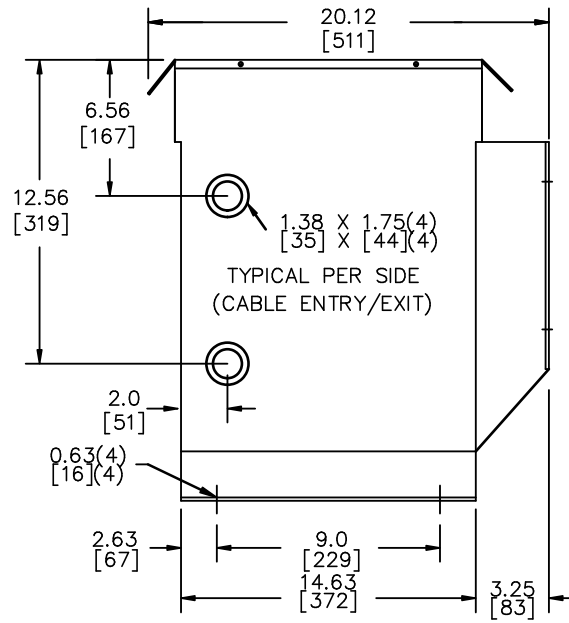
SEISMIC QUALIFICATIONS:
OSP=01.36-10/IBC 2018/ASCE 7-16
SDS<=2.0g Z/h=1 Ip=1.5

d000186hb

FRONT VIEW



SIDE VIEW



All Dimensions in inches[mm]

ENCLOSURE COLOR : ANSI-61 GREY PAINT OUTDOOR

HV TERMINAL DETAIL

LV TERMINAL DETAIL

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

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

CUSTOMER NOTES:

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



TITLE: 3PH DISTRIBUTION TRANSFORMER

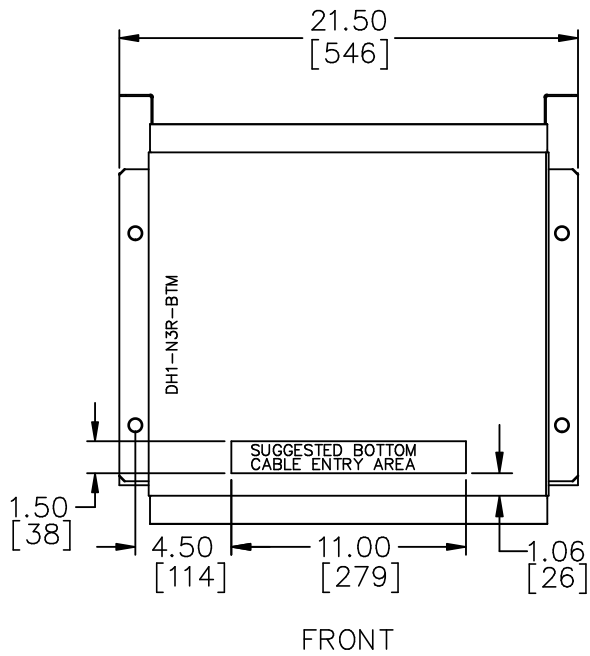
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EDBSC3A0015DB

3.0 Jwen 2021/07/16 12:53

ENCLOSURE BOTTOM VIEW



FRONT

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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EDBSC3A0030DB

3.0 Jwen 2021/07/16 12:58






Hammond Power Solutions
Guelph, ONT Compton, CA

HPS Sentinel™ G
Energy Efficient Distribution Transformer
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Baraboo, WI Monterrey, MX

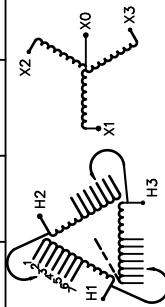
Part No. **SG3A0030DB**

 LR 3902
 LISTED
 DRY TYPE TRANSFORMER 77US E112313
 ALSO SEE LISTING AND APPROVALS TO ENERGY STANDARD C902-18 BY UNDERWRITERS LABORATORIES INC. @ 316

 0342311231019
 8 0342311231019
 0342311231019

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

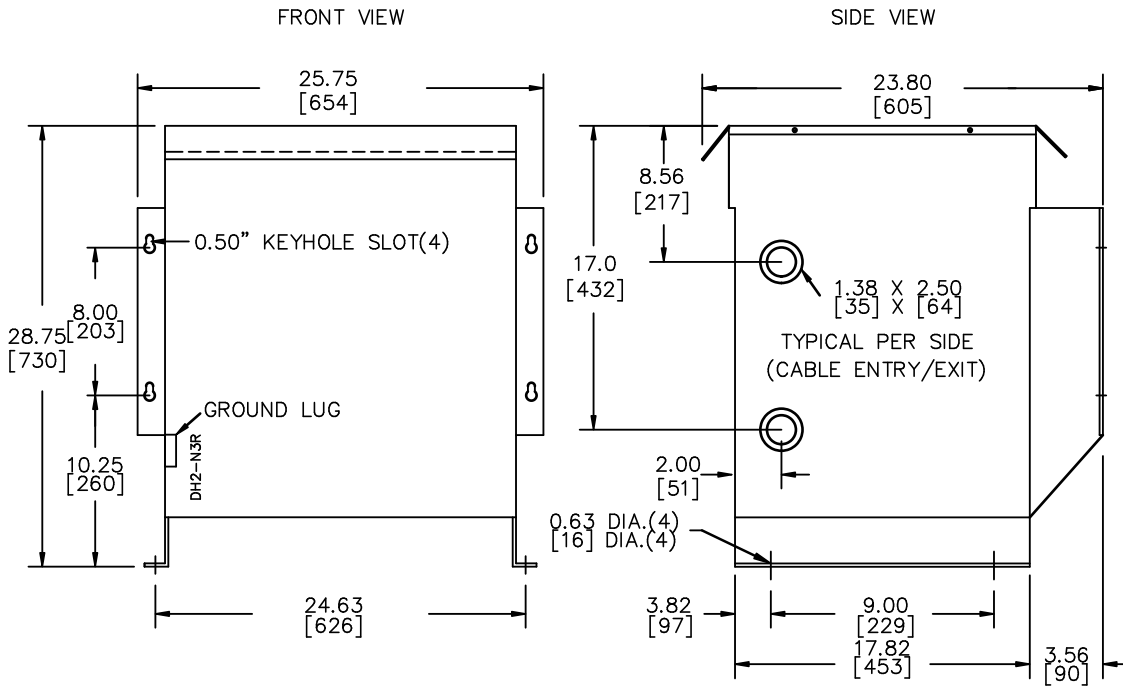
VOLTS	CURRENT COURANT	% RATED VOLTAGE TENSION NOMINALE	CONNECTION EACH PHASE CONNECTION PAR PHASE
252	68.7	105	1
246	70.4	102.5	2
240	72.2	100	3
234	74.0	97.5	4
228	76.0	95	5
222	78.0	92.5	6
216	80.2	90	7



SEISMIC QUALIFICATIONS:
 OSP=01.36-10/IBC 2018/ASCE 7-16
 SDS<=2.0g Z/h=1 Ip=1.5

Cust. Ref. [] Serial No. []
 Ref. du Client [] No. de Serie []
 Phase 3 HV/HT 240V
 Type K BIL 10 kV
 Cooling Refroidissement ANN Term Bornes H1 H2 H3
 kVA 30 LV/BT 208Y/120V
 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
 Encl. Type Type de Coffrage 3R
 Weight Poids lbs/kg 290/132

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All Dimensions in inches[mm]

ENCLOSURE COLOR : ANSI 61 GREY - OUTDOOR

H.V.1. TERMINAL DETAIL

L.V.1. TERMINAL DETAIL

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

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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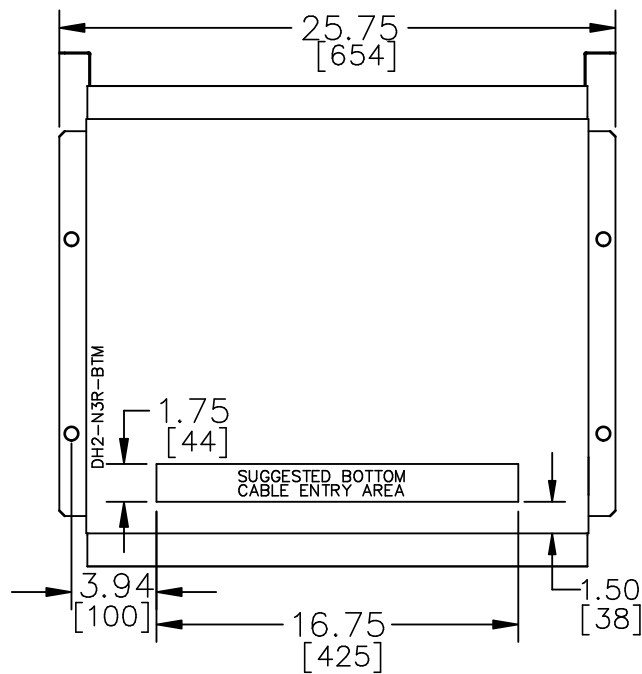
3	21/07/16	PP	EDB UPDATE	DES: JWEN
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SHEET 2 OF 3

EDBSC3A0030DB

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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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EDBSC3A0045DB

3.0 Jwen 2021/07/16 13:03






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Guelph, ONT Compton, CA

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Baraboo, WI Monterrey, MX

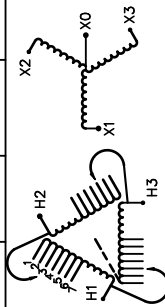
Part No. SG3A0045DB

 LR 3902
 LISTED
 DRY TYPE TRANSFORMER 77US E112313
 ALSO REFER TO ENERGY STANDARDS CROQ 2-18 BY UNDERWRITERS LABORATORIES INC. 01/16

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

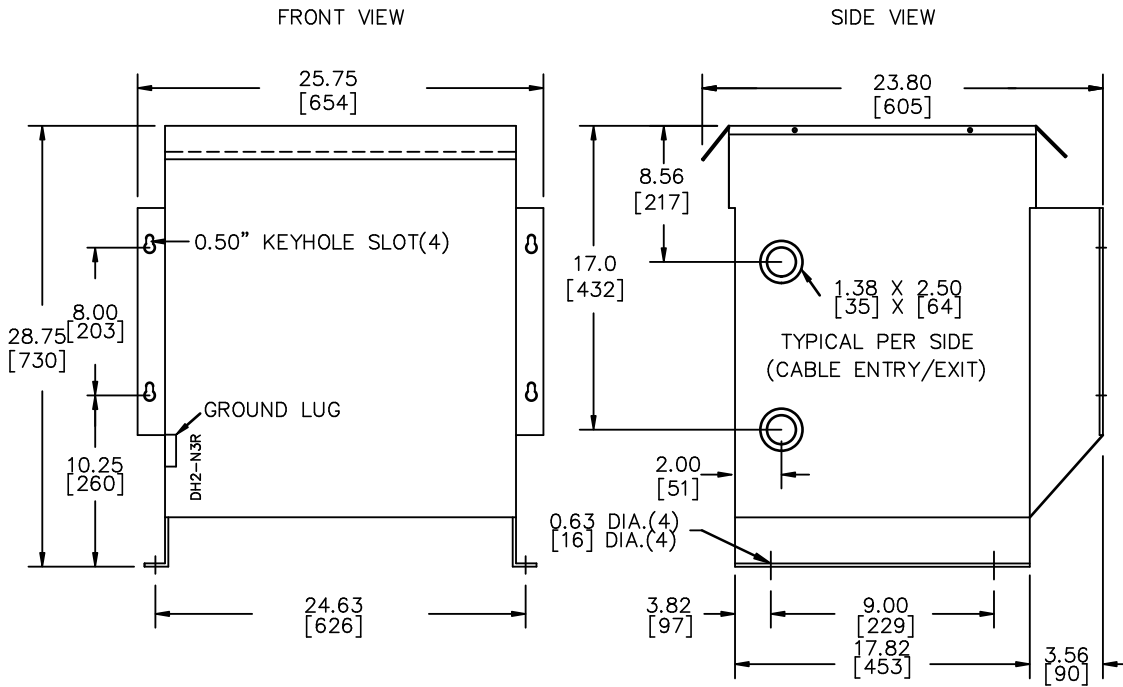
VOLTS	CURRENT COURANT	% RATED VOLTAGE TENSION NOMINALE	CONNECTION EACH PHASE CONNECTION PAR PHASE
252	103.1	105	1
246	105.6	102.5	2
240	108.3	100	3
234	111	97.5	4
228	114	95	5
222	117	92.5	6
216	120	90	7



SEISMIC QUALIFICATIONS:
 OSP=01.36-10/IBC 2018/ASCE 7-16
 SDS<=2.0g Z/h=1 Ip=1.5

Serial No. []
 No. de Serie []
 HV/HT 240V
 BIL 10 kV
 Term Bornes H1 H2 H3
 LV/BT 208Y/120V
 BIL 10 kV
 Term Bornes X0 X1 X2 X3
 Energy Regulations DOE 10 CFR PART 431:2016
 Reglements de l'Energétique CEE ACT SOR/2018-201
 3R
 Weight lbs/kg 370/168

d000186hb



All Dimensions in inches[mm]

ENCLOSURE COLOR : ANSI 61 GREY - OUTDOOR

H.V.1. TERMINAL DETAIL

L.V.1. TERMINAL DETAIL

MECHANICAL TYPE LUGS INCLUDED
SUITABLE FOR 250MCM-6 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 TOP FRONT
- LV1 TERMINATED AT BOTTOM FRONT



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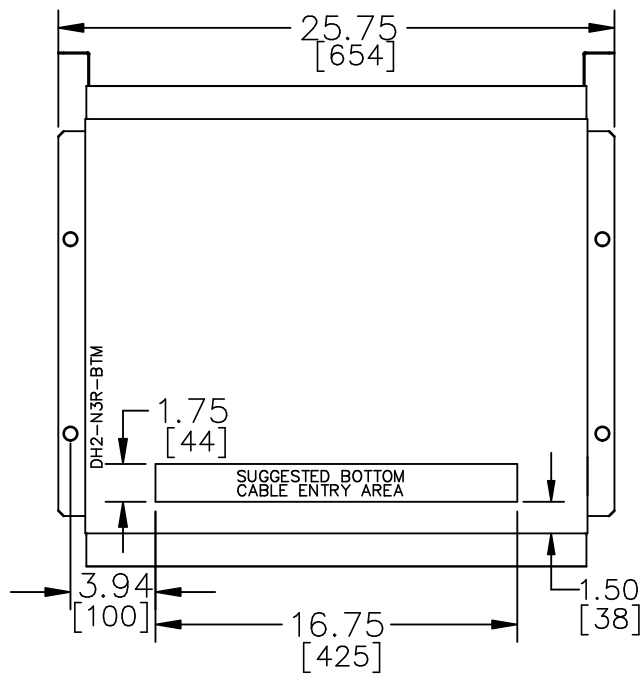
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EDBSC3A0045DB

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ENCLOSURE BOTTOM VIEW



NOTE:
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