HPS SYNERGY® Series

600V CLASS ENERGY EFFICIENT K-FACTOR TRANSFORMER

The use of electronic equipment has continued to proliferate in both offices and industrial plants. These electronic devices are powered by either switching power supplies or a rectifier circuit. Examples of these devices include computers, fax machines, copiers, printers, cash registers, UPS’s and solid-state ballasts. They all contribute to the distortion of the current waveform and the generation of harmonics.

HARMONICS AND NON-LINEAR LOADS

Harmonics, in an electrical system, are currents created by non-linear loads that generate non-sinusoidal (non-linear) current waveforms. These current and voltage waveforms operate on frequencies that are in multiples of the fundamental 60 hertz frequency. That is, the fundamental frequency is at 60 hertz, the 2nd harmonic is at 120 hertz frequency (60 x 2), the 3rd at 180 hertz, and so forth.

Harmonics are principally the by-product of switch-mode power supply technology where AC is rectified to DC, and back again. In the process, a capacitor is charged in the first half-cycle and then discharged in the next half-cycle in supplying current to the load. This cycle is repeated. This action of recharging causes AC current to flow only during a portion of the AC voltage wave in abrupt pulses. These abrupt pulses distort the fundamental wave shape causing distortion to the various harmonic frequencies.

Non-Linear Loads

Today, non-linear loads make up the majority of all electrical demand. Rectified input, switching power supplies and electronic lighting ballasts are the most common single phase non-linear loads. Harmonic currents and voltages produced by single phase, non-linear loads which are connected phase-to-neutral in a three phase four wire system, are third order, zero sequence harmonics (the third harmonic and its odd multiples - 3rd, 9th, 15th, 21st, etc., phasors displaced by zero degrees). These third order, zero sequence harmonic currents do not cancel, but add up arithmetically on the neutral bus, creating a primary source of excessive neutral current.
HPS Synergy® Series

600V Class Energy Efficient K-Factor Transformer continued...

Energy efficient general purpose distribution transformers, most frequently used for applications such as commercial or institutional buildings, will supply widely varied single phase loads. Energy Efficient K-Factor transformers are energy efficient general purpose transformers, but are designed to tolerate the harmonic distortion associated with these loads.

Harmonics indicate their presence in a number of ways:

- Overheating
- Device malfunctions
- Telephone interference
- Equipment vibration
- Breakers tripping

Harmonics For A 60Hz System

In a 60 Hz power system, the fundamental and harmonic frequencies are outlined in the table below.

<table>
<thead>
<tr>
<th>Fundamental</th>
<th>80 Hz</th>
</tr>
</thead>
<tbody>
<tr>
<td>2nd Harmonic</td>
<td>120 Hz</td>
</tr>
<tr>
<td>3rd Harmonic</td>
<td>180 Hz</td>
</tr>
<tr>
<td>4th Harmonic</td>
<td>240 Hz</td>
</tr>
<tr>
<td>5th Harmonic</td>
<td>300 Hz</td>
</tr>
<tr>
<td>6th Harmonic</td>
<td>360 Hz</td>
</tr>
<tr>
<td>7th Harmonic</td>
<td>420 Hz</td>
</tr>
<tr>
<td>8th Harmonic</td>
<td>480 Hz</td>
</tr>
<tr>
<td>9th Harmonic</td>
<td>540 Hz</td>
</tr>
<tr>
<td>10th Harmonic</td>
<td>600 Hz</td>
</tr>
<tr>
<td>11th Harmonic</td>
<td>660 Hz</td>
</tr>
<tr>
<td>12th Harmonic</td>
<td>720 Hz</td>
</tr>
<tr>
<td>13th Harmonic</td>
<td>780 Hz</td>
</tr>
<tr>
<td>14th Harmonic</td>
<td>840 Hz</td>
</tr>
<tr>
<td>15th Harmonic</td>
<td>900 Hz</td>
</tr>
<tr>
<td>16th Harmonic</td>
<td>9600 Hz</td>
</tr>
<tr>
<td>17th Harmonic</td>
<td>1020 Hz</td>
</tr>
<tr>
<td>18th Harmonic</td>
<td>1080 Hz</td>
</tr>
<tr>
<td>19th Harmonic</td>
<td>1140 Hz</td>
</tr>
<tr>
<td>20th Harmonic</td>
<td>1200 Hz</td>
</tr>
<tr>
<td>21st Harmonic</td>
<td>1260 Hz</td>
</tr>
<tr>
<td>22nd Harmonic</td>
<td>1320 Hz</td>
</tr>
<tr>
<td>23rd Harmonic</td>
<td>1380 Hz</td>
</tr>
<tr>
<td>24th Harmonic</td>
<td>1440 Hz</td>
</tr>
<tr>
<td>25th Harmonic</td>
<td>1500 Hz</td>
</tr>
</tbody>
</table>

K-Factor

K-factor is defined as a ratio between the additional losses due to harmonics and the eddy current losses at 60Hz. It is used to specify transformers for non-linear loads. Transformers with a rated K-factor of 4, 7, 13, 20 and 30 are available. For balanced loading, a transformer with a K-factor of 4 should be specified when no more than 50% of the total load is non-linear. A transformer with K-factor 13 should be specified when 100% of the load is non-linear.
HPS SuperSynergy®
600 Volt Class Energy Efficient K-Factor Transformers

K-Factor Transformer Efficiencies:

HPS SuperSynergy (Part Number Prefix SMT)
The HPS SuperSynergy energy efficient k-factor transformer exceeds DOE 10 CFR Part 431/C802.2 efficiencies over a range of linear loads. It will not only satisfy the necessity for running at k-factor modern building load types, but in addition, because of the increasing need for energy conservation, they are much more efficient than that of our standard energy efficient line.

- Efficiency performance will be **25% better** than DOE 10 CFR Part 431 and C802.2 standards when measured under a linear load profile at an operating range from **35% to 65%** of rated load.
- Efficiency will meet or exceed DOE 10 CFR Part 431 and C802.2 standards at an operating range of **35%-65%** of rated load when measured under a **non-linear** load profile up to K20.
- Copper and Aluminum Available.
# SECTION 7

**ENERGY EFFICIENT K-FACTOR**

## HPS SuperSynergy®

600V CLASS SUPER ENERGY EFFICIENT K-FACTOR TRANSFORMERS

THREE PHASE STANDARD SPECIFICATIONS

<table>
<thead>
<tr>
<th></th>
<th>15 TO 45 KVA</th>
<th>75 TO 750 KVA</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Efficiency</strong></td>
<td>Efficiency performance will be 25% better than DOE 10 CFR Part 431 and C802.2 standards when measured under a linear load range from 35% to 85% of rated load. Efficiency will meet or exceed DOE 10 CFR Part 431 and C802.2 standards at an operating range of 35% to 65% of rated load when measured under a non-linear load profile up to K20.</td>
<td></td>
</tr>
<tr>
<td>UL Listed</td>
<td>File: E112313</td>
<td>File: E112313</td>
</tr>
<tr>
<td>CSA Certified</td>
<td>File: LR3902</td>
<td>File: LR3902</td>
</tr>
<tr>
<td>Frequency</td>
<td>60 Hz</td>
<td>60 Hz</td>
</tr>
<tr>
<td>Insulation System</td>
<td>220°C (150°C rise) (optional 115°C and 60°C rise available)</td>
<td>220°C (150°C rise) (optional 115°C and 60°C rise available)</td>
</tr>
<tr>
<td>Electrostastic Shield</td>
<td>60dB Common Mode - typical</td>
<td>60dB Common Mode - typical</td>
</tr>
<tr>
<td>Enclosure Type</td>
<td>Heavy Duty Ventilated NEMA Type 3R (optional NEMA 4X (stainless steel) and 12)</td>
<td>Heavy Duty Ventilated NEMA Type 3R (optional NEMA 4X (stainless steel) and 12)</td>
</tr>
<tr>
<td>Enclosure Finish</td>
<td>ANSI 61 Grey, UL50</td>
<td>ANSI 61 Grey, UL50</td>
</tr>
<tr>
<td>Neutral</td>
<td>Neutral terminal for field connection (on applicable units).</td>
<td>Neutral terminal for field connection (on applicable units).</td>
</tr>
<tr>
<td>Standard Primary Tape</td>
<td>Refer to wiring diagrams for details.</td>
<td>Refer to wiring diagrams for details.</td>
</tr>
<tr>
<td>Termination</td>
<td>Front accessible separate high and low voltage terminals; connectors suitable for aluminum and copper are provided for easy cable installation.</td>
<td>Front accessible separate high and low voltage terminals; connectors suitable for aluminum and copper are provided for easy cable installation.</td>
</tr>
<tr>
<td>Conduit Knock-Outs</td>
<td>Standard on all units.</td>
<td>Standard on 75 kVA &amp; 150 kVA units.</td>
</tr>
<tr>
<td>Impedance</td>
<td>Typically 2.5% to 6.5%</td>
<td>Typically 2.5% to 6.5%</td>
</tr>
<tr>
<td>Mounting</td>
<td>Floor or wall/ceiling mounting available. Refer to selection tables for details.</td>
<td>Floor or wall/ceiling mounting available. Refer to selection tables for details.</td>
</tr>
<tr>
<td>Seismic</td>
<td>Meets all seismic parameters for IBC 2009 and NBCC 2005 for ground level installations only for all locations in North America.</td>
<td>Meets all seismic parameters for IBC 2009 and NBCC 2005 for ground level installations only for all locations in North America.</td>
</tr>
<tr>
<td>Sound level</td>
<td>Meets NEMA ST-20 standards. (Optional low noise units available)</td>
<td>Meets NEMA ST-20 standards. (Optional low noise units available)</td>
</tr>
</tbody>
</table>

* Optional TVSS available. Dual Output option also available. Features as listed above may differ. Contact sales for more details.

---

FOR TERMINATION DETAILS SEE PAGE 256.

© Hammond Power Solutions Inc.

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FOR ACCESSORIES SEE PAGES 254 TO 257.

Data subject to change without notice.
<table>
<thead>
<tr>
<th>PRIMARY VOLTS</th>
<th>CONNECTION LINES TO</th>
<th>INTER-CONNECT</th>
</tr>
</thead>
<tbody>
<tr>
<td>504</td>
<td>H1,H4</td>
<td>1-H2.2-H3.H2-H3</td>
</tr>
<tr>
<td>492</td>
<td>H1,H4</td>
<td>3-H2.2-H3.H2-H3</td>
</tr>
<tr>
<td>480</td>
<td>H1,H4</td>
<td>3-H2.4-H3.H2-H3</td>
</tr>
<tr>
<td>468</td>
<td>H1,H4</td>
<td>5-H2.4-H3.H2-H3</td>
</tr>
<tr>
<td>456</td>
<td>H1,H4</td>
<td>5-H2.6-H3.H2-H3</td>
</tr>
<tr>
<td>444</td>
<td>H1,H4</td>
<td>7-H2.6-H3.H2-H3</td>
</tr>
<tr>
<td>432</td>
<td>H1,H4</td>
<td>7-H2.8-H3.H2-H3</td>
</tr>
<tr>
<td>252</td>
<td>H1,H4</td>
<td>1-H2.2-H3.H1-H2</td>
</tr>
<tr>
<td>240</td>
<td>H1,H4</td>
<td>3-H2.4-H3.H1-H2</td>
</tr>
<tr>
<td>228</td>
<td>H1,H4</td>
<td>5-H2.6-H3.H1-H2</td>
</tr>
<tr>
<td>216</td>
<td>H1,H4</td>
<td>7-H2.8-H3.H1-H2</td>
</tr>
<tr>
<td>SECONDARY VOLTS</td>
<td>CONNECTION LINES TO</td>
<td>INTER-CONNECT</td>
</tr>
<tr>
<td>240</td>
<td>X1,X4</td>
<td>X2-X3,1</td>
</tr>
<tr>
<td>120</td>
<td>X1,X4</td>
<td>X1-X3,X2-X4</td>
</tr>
<tr>
<td>120/240</td>
<td>X1,X2,X4</td>
<td>X2-X3</td>
</tr>
</tbody>
</table>

**HV/HT**
- 240X480V
- 120/240V

**LV/BT**
- 120/240V

**KVA** 37.5

**TYPE** ANN

**TEMP RISEdeg C** 150

**TEMP CLASSE TEMP** 220

**FREQ HZ** 60

**IMPEDANCE %** 4.9

**ENCL TYPE** NEMA-3R

**POIDS LIVRES** 310

**WINDING ENROLLMENT** AL

**MEETS NEMA TP-1 EFFICIENCY REQUIREMENTS**

**ENERGY EFFICIENCY**

**ECONOMIE D'ENERGIE**

**CSA** NEMA

**SERIAL NO.**

**NO. DE SERIE**

**TP 1-2002**
H.V.1. TERMINAL DETAIL

SUITABLE FOR #2/0–6 CU/AL
CONDUCTORS
1 CONDUCTOR PER PHASE

L.V.1. TERMINAL DETAIL

SUITABLE FOR 250MCM–6 CU/AL
CONDUCTORS
1 CONDUCTOR PER PHASE

CUSTOMER NOTES:
- HVI TERMINATED AT TOP FRONT
- LV1 TERMINATED AT BOTTOM FRONT
### Hammond Power Solutions Inc.

**Title:** 3PH DISTRIBUTION TRANSFORMER NAMEPLATE INFORMATION  
**Sheet:** 1 of 2

<table>
<thead>
<tr>
<th>Volts</th>
<th>Current</th>
<th>% Rated Voltage</th>
<th>Connection</th>
<th>Each Phase Connection</th>
<th>Phase</th>
</tr>
</thead>
<tbody>
<tr>
<td>480</td>
<td>18.0</td>
<td>100</td>
<td>1</td>
<td></td>
<td>H1</td>
</tr>
<tr>
<td>456</td>
<td>15.0</td>
<td>95</td>
<td>2</td>
<td></td>
<td>H2</td>
</tr>
<tr>
<td>432</td>
<td>20.0</td>
<td>90</td>
<td>3</td>
<td></td>
<td>H3</td>
</tr>
</tbody>
</table>

- **KVA:** 15
- **Type:** K
- **Cooling:** ANN
- **Temp. Rise:** 150 °C
- **Frequency:** 60 Hz
- **Impedance %:** 2.8
- **Enclosure Type:** NEMA-3R
- **Weight (LBS):** 270
- **Winding Enamel:** AL

---

**Energy Efficiency:**

- **C002.2-06:** EXCEEDS
- **IP 1-2002:** EXCEEDS

**Spacers:** Connections between exclusive and any adjacent wall shall be a minimum of 6 inches suitable for non-sinusoidal current load with a k-factor not to exceed 15.

**Electrostatic Shield:**

---

**GPEA**

**Verify:**

---

**Hammond Power Solutions Inc.**

---

**LR 3902**

**UL LISTED**

---

**GUELPH, ONT. BARABOO, WI COMPTON, CA MONTERREY, MEX**

---

**SMT13K015KBS**

---

**DES: GCA076**

**DATE: 09/06/06**

**NO. DATE BY REVISION SCALE:**

---
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 #14-4 CU/AL
1 CONDUCTOR PER PHASE

MECHANICAL TYPE LUGS INCLUDED
SUITABLE FOR #2/0-6 CU/AL
1 CONDUCTOR PER PHASE

CUSTOMER NOTES:
- HV1 TERMINATED AT TOP FRONT
- LV1 TERMINATED AT BOTTOM FRONT
**Three Phase Dry Type Transformer**

**Transformateur Sec Triphasé**

<table>
<thead>
<tr>
<th>HV/VT</th>
<th>BIL</th>
<th>Terminals</th>
<th>Volts</th>
<th>Current</th>
<th>% Rated Voltage</th>
<th>Connection</th>
<th>Connection Per Phase</th>
</tr>
</thead>
<tbody>
<tr>
<td>480 V</td>
<td></td>
<td>H1 H2 H3</td>
<td>54.4</td>
<td>33.2</td>
<td>105</td>
<td>1-3</td>
<td>1-3</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>36.1</td>
<td>21.0</td>
<td>93</td>
<td>1-3</td>
<td>1-3</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>36.0</td>
<td>19.0</td>
<td>90</td>
<td>1-3</td>
<td>1-3</td>
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<td></td>
<td></td>
<td></td>
<td>39.0</td>
<td>25.3</td>
<td>95</td>
<td>4-5</td>
<td>4-5</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>40.1</td>
<td>25.3</td>
<td>90</td>
<td>6-7</td>
<td>6-7</td>
</tr>
</tbody>
</table>

**LV/VT | BIL | Terminals | Volts | Current | % Rated Voltage | Connection | Connection Per Phase |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>208Y/120V</td>
<td></td>
<td>X0 X1 X2 X3</td>
<td>54.4</td>
<td>33.2</td>
<td>105</td>
<td>1-3</td>
<td>1-3</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>36.1</td>
<td>21.0</td>
<td>93</td>
<td>1-3</td>
<td>1-3</td>
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<tr>
<td></td>
<td></td>
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<td>36.0</td>
<td>19.0</td>
<td>90</td>
<td>1-3</td>
<td>1-3</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>39.0</td>
<td>25.3</td>
<td>95</td>
<td>4-5</td>
<td>4-5</td>
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<td></td>
<td></td>
<td></td>
<td>40.1</td>
<td>25.3</td>
<td>90</td>
<td>6-7</td>
<td>6-7</td>
</tr>
</tbody>
</table>

**Specifications**
- **Type**: K
- **Cooling**: ANN
- **Temp. Rise**: 150 °C
- **Frequency**: 60 Hz
- **Impedance %**: 3.1
- **Enclosure Type**: NEMA-3R
- **Winding**: AL

**Energy Efficiency**: Exceeds C802.2-06

**Suitable for Non-Sinusoidal Current Load with K-Factor Not To Exceed 15**
H.V.1. TERMINAL DETAIL

0.50" KEYHOLE SLOT(4)

0.56 DIA. (4)

23.9

22.75

28.75

9.75

8.00

TYPICAL PER SIDE

8.50

17.00

1.75 X 2.5

2.00

5.13

9.00

19.19

3.69

SIDE VIEW

FRONT VIEW

ENCLOSURE COLOR: ANSI 61 GREY – OUTDOOR

All Dimensions in inches

L.V.1. TERMINAL DETAIL

MECHANICAL TYPE LUGS INCLUDED

SUITABLE FOR #14-4 CU/AL CONDUCTORS

1 CONDUCTOR PER PHASE

MECHANICAL TYPE LUGS INCLUDED

SUITABLE FOR #2/0-6 CU/AL CONDUCTORS

1 CONDUCTOR PER PHASE

CUSTOMER NOTES:

- HVI TERMINATED AT TOP FRONT
- LV1 TERMINATED AT BOTTOM FRONT
H.V.1. TERMINAL DETAIL  L.V.1. TERMINAL DETAIL

MECHANICAL TYPE LUGS INCLUDED
SUITABLE FOR #4-2 CU/AL
CONDUCTORS
1 CONDUCTOR PER PHASE

MECHANICAL TYPE LUGS INCLUDED
SUITABLE FOR 250MCM-6 CU/AL
CONDUCTORS
1 CONDUCTOR PER PHASE

CUSTOMER NOTES:
- HVI TERMINATED AT TOP FRONT
- LV1 TERMINATED AT BOTTOM FRONT
# Hammond Power Solutions Inc.

**THREE PHASE DRY TYPE TRANSFORMER**

**TRANSFORMATEUR SEC TRIPHASE**

<table>
<thead>
<tr>
<th>HV/VT</th>
<th>480V</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIL</td>
<td>-</td>
</tr>
<tr>
<td>TERM.</td>
<td></td>
</tr>
<tr>
<td>BIL</td>
<td></td>
</tr>
</tbody>
</table>

**Terminals:**

<table>
<thead>
<tr>
<th>Volts</th>
<th>Current</th>
<th>% Rated Voltage</th>
<th>% Rated Tension</th>
<th>Connection</th>
<th>Each Phase</th>
<th>Connection</th>
</tr>
</thead>
<tbody>
<tr>
<td>404</td>
<td>86.0</td>
<td>105</td>
<td>1.5</td>
<td>1, 2, 3</td>
<td>1, 2, 3</td>
<td></td>
</tr>
<tr>
<td>492</td>
<td>86.0</td>
<td>102.5</td>
<td>2.5</td>
<td>2, 3</td>
<td>2, 3</td>
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<td>498</td>
<td>90.2</td>
<td>100</td>
<td>3.5</td>
<td>3, 4</td>
<td>3, 4</td>
<td></td>
</tr>
<tr>
<td>456</td>
<td>95.0</td>
<td>95</td>
<td>4.5</td>
<td>4, 5</td>
<td>4, 5</td>
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<tr>
<td>444</td>
<td>97.5</td>
<td>92.5</td>
<td>5.5</td>
<td>5, 6</td>
<td>5, 6</td>
<td></td>
</tr>
<tr>
<td>432</td>
<td>100.2</td>
<td>90</td>
<td>6.5</td>
<td>6, 7</td>
<td>6, 7</td>
<td></td>
</tr>
</tbody>
</table>

- **KVA:** 75
- **TYPE:** K
- **Cooling:** ANN
- **Temp. Rise:** 150 °C
- **Temp. Class:** 220 °C
- **Frequency:** 60 Hz
- **Impedance %:** 3.2

**LV/BT**

<table>
<thead>
<tr>
<th>208Y/120V</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIL</td>
</tr>
<tr>
<td>TERM. BIL</td>
</tr>
</tbody>
</table>

**Phase Connections:**

- X0 X1 X2 X3

---

**Energy Efficiency:**

- **CSA NEMA:**
- **Energy Performance:**
  - Exceeds C002.2-00
  - Exceeds IP 1-2002

**Spacings Between Insulators:**

- Suitable for non-sinusoidal current with a K-factor not to exceed 15

---

**VeriFy:**

- [Barcode Image]

---

**Hammond Power Solutions Inc.**

**Title:** 3PH DISTRIBUTION TRANSFORMER

**Nameplate Information**

**DATE:** 09/06/06

**DES:** GCALOTA

---

**Sheet 1 of 2**
H.V.1. TERMINAL DETAIL

MECHANICAL TYPE LUGS INCLUDED
SUITABLE FOR #2/0-6 CU/AL CONDUCTORS
1 CONDUCTOR PER PHASE

L.V.1. TERMINAL DETAIL

MECHANICAL TYPE LUGS INCLUDED
SUITABLE FOR 600MCM-2 CU/AL CONDUCTORS
1 CONDUCTOR PER PHASE

CUSTOMER NOTES:
- HV1 TERMINATED AT TOP FRONT
- LV1 TERMINATED AT BOTTOM FRONT

ENCLOSURE COLOR: ANSI 61 GREY - OUTDOOR

All Dimensions in inches

FRONT VIEW

SIDE VIEW

2.00 TYP.

25.50

12.00

24.00

0.56 DIA. (4)

2.00 X 3.00

TYPICAL PER SIDE

2.56

23.50

23.50
CUSTOMER NOTES:
- HV1 TERMINATED AT TOP FRONT
- LV1 TERMINATED AT BOTTOM FRONT

All Dimensions in inches
ENCLOSURE COLOR ANSI 61 GREY — OUTDOOR
THREE PHASE DRY TYPE TRANSFORMER
TRANSFORMATEUR SEC TRI PHASE

480V

H1 H2 H3

W/V CURRENT CURRANT % RATED VOLTAGE TENSION TENSION NORMALE CONNECTION CONNEXION PHASE CHAQUE PAR PHASE
404 129 105 1-3
492 132 102.5 2-3
480 138 100 3-4
468 138 97.5 4-5
456 146 95 5-6
444 146 92.5 6-7
432 150 90 7-8

KVA 112.5
TYPE K
Cooling Refroidissement ANN
Temp. Temp. 115 °C
Echappement
Temp. Class Temp. Classe 220 °C
Frequency Fréquence 60 Hz
Impedance Impédance 3.5
Encl. Type Type de boitier NEMA-3R
Wt. Poids en LBS 1250
Winding Enroulement AL

SINUSOIDAL CURRENT LOAD WITH A K-FACTOR NOT TO EXCEED 15
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

CUSTOMER NOTES:
- HV1 TERMINATED AT TOP FRONT
- LV1 TERMINATED AT COIL FACE

ENCLOSURE COLOR: ANSI 61 GREY - OUTDOOR

All Dimensions in inches