



# Hospital Grade Isolation Transformers

For Healthcare Facilities



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Isolation transformers for healthcare facilities



**Isolation Transformer**

## Description

Bender's hospital grade isolation transformers provide isolation between configured primary and secondary voltages. Standard single-phase transformers are configured at the factory for a single primary voltage and a single secondary voltage. Dual secondary transformers are configured at the factory for a single primary voltage, a secondary voltage, and an additional secondary voltage rated for 120 VAC.

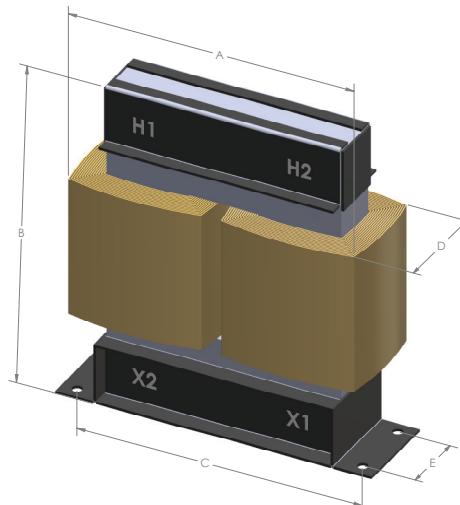
Bender isolation transformers are intended for use as a part of an isolated power system. For more information, refer to document NAE2091010, "Isolated Power Panels."

## Features

- Single-phase, copper-wound transformers with primary and secondary voltages configured at the factory
- Power rating configurable up to 25 kVA
- Class H rated insulation
- Grain-oriented silicon steel cores
- Electrostatic shield between primary and secondary windings, grounded to enclosure
- Sound levels in accordance with NEMA standards
- Maximum leakage current in compliance with UL 1047, tables 30.1 and 30.2, and CSA Z32.2
- Mounting hardware provided for simple installation

## Technical Data: Standard Isolation Transformer (dimensions in inches, weight in lb)

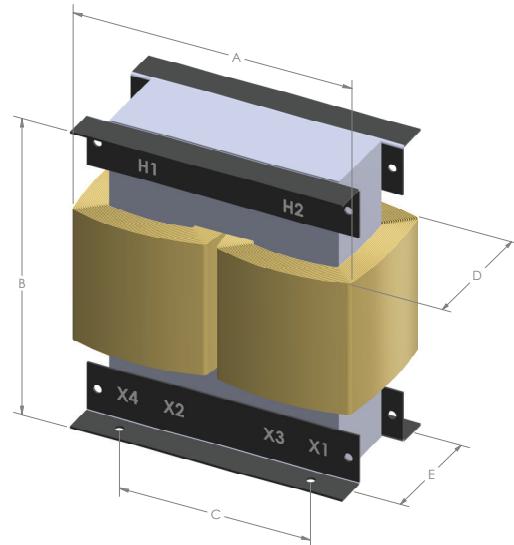
kVA	A	B (max)	C	D (max)	E
3	14"	15"	14"	5.5"	3.25"
5	16"	15"	14"	5.5"	3.25"
7.5	17"	15"	14"	7.75"	3.25"
10	14"	15"	14"	7.75"	3.25"
15	15"	16"	11"	8.5"	6.75"
20	17.5"	18"	11"	9.75"	6.75"
25	17.5"	18"	11"	9.75"	6.75"



kVA	Noise	Impedance (%)		Regulation (%)		Weight (max)
		(min)	(max)	(min)	(max)	
3	27 db	3.20%	4.22%	2.70%	3.00%	95 lbs
5	27 db	2.80%	3.58%	2.40%	3.00%	110 lbs
7.5	30 db	1.74%	3.12%	1.40%	2.40%	185 lbs
10	30 db	1.57%	2.01%	1.10%	1.80%	200 lbs
15	35 db	1.38%	1.63%	1.10%	1.10%	260 lbs
20	35 db	1.28%	2.30%	1.05%	1.30%	300 lbs
25	35 db	1.48%	2.60%	1.30%	1.40%	353 lbs

**Technical Data: Dual Secondary Voltage Isolation Transformer (dimensions in inches, weight in lb)**

kVA	A (max)	B (max)	C	D (max)	E
15	15"	16"	11"	9"	6.75"
20	17.5"	18"	11"	9.75"	6.75"
22.5	17.5"	18"	11"	9.75"	6.75"
25	17.5"	18"	11"	9.75"	6.75"



kVA	Noise	Impedance (%)		Regulation (%)		Weight (max)
		(min)	(max)	(min)	(max)	
15	35 db	1.37%	1.40%	1.10%	1.10%	265 lbs
20	35 db	1.32%	2.00%	1.05%	1.30%	305 lbs
22.5	35 db	1.25%	2.65%	1.05%	1.60%	315 lbs
25	35 db	1.42%	2.50%	1.20%	1.60%	350 lbs

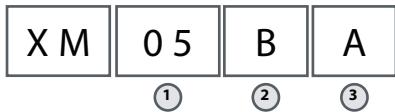
## **Ordering Information**

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Bender isolation transformers are intended for use as a component of a complete isolated power panel. For more information, consult document number NAE2092010, "Isolated Power Panels."

### **Ordering Information: Standard Isolation Transformer (Single Secondary Voltage)**

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**1 - kVA of transformer**

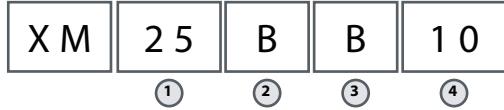
03: 3 kVA	07: 7.5 kVA
05: 5 kVA	10: 10 kVA
15: 15 kVA	
25: 25 kVA	

<b>2 - Primary voltage of transformer</b>	
A: 120 V	G: 110 V
B: 208 V	H: 220 V
C: 240 V	I: 230 V
D: 277 V	J: 380 V
E: 480 V	

<b>3 - Secondary voltage of transformer</b>	
A: 120 V	G: 110 V
B: 208 V	H: 220 V
C: 240 V	I: 230 V

### **Ordering Information: Dual Secondary Voltage Isolation Transformer**

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**1 - KVA rating of transformer**  
25: 25 kVA

<b>2 - Primary voltage of transformer</b>	
B: 208 V	E: 480 V
C: 240 V	H: 220 V
D: 277 V	J: 380 V

<b>3 - Secondary voltage of transformer</b>	
B: 208 V	C: 240 V

**4 - KVA of 120 V secondary**  
10: 10 kVA

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