Summary

3 kVA single-phase encapsulated isolation transformer with 480V primary and 120/240V secondary. Aluminum windings and a NEMA 3R steel enclosure for indoor or outdoor service.

Product Description

The Sanzo Power TX-A3-030K-105124-AL supplies 3 kVA of isolated single-phase power from a 480V primary to a 120/240V secondary. Separate primary and secondary windings serve commercial, industrial and equipment distribution loads. The 120/240V secondary supplies 240V line-to-line and 120V from either line to the center-tap neutral.

Resin-encapsulated core-and-coil construction protects the winding assembly against moisture and dirt and helps control vibration. Aluminum windings use a 180°C insulation system with a 115°C temperature rise. The NEMA 3R steel enclosure supports indoor and outdoor installations.

Specifications

Capacity	3 kVA	Winding Material	Aluminum
Primary Voltage	480V	Enclosure	NEMA 3R
Secondary Voltage	120/240V	Insulation System	180°C
Phase	Single Phase	Temperature Rise	115°C
Frequency	50/60 Hz	Dimensions (L x W x H)	6.38" L x 7.68" W x 14.36" H
Primary Amperage	6.25A	Unit Weight	60 lb
Secondary Amperage	12.50A at 240V / per 120V leg	Mounting	Wall Mount
Secondary Connection	120/240V, Single Phase, 3-Wire	Cooling	Natural Air
Primary Taps	None	Duty	Continuous

Ratings & Construction

cETLus Listed • Resin-encapsulated core and coils • NEMA 3R enclosure • Aluminum windings • Separate primary and secondary windings

Applications

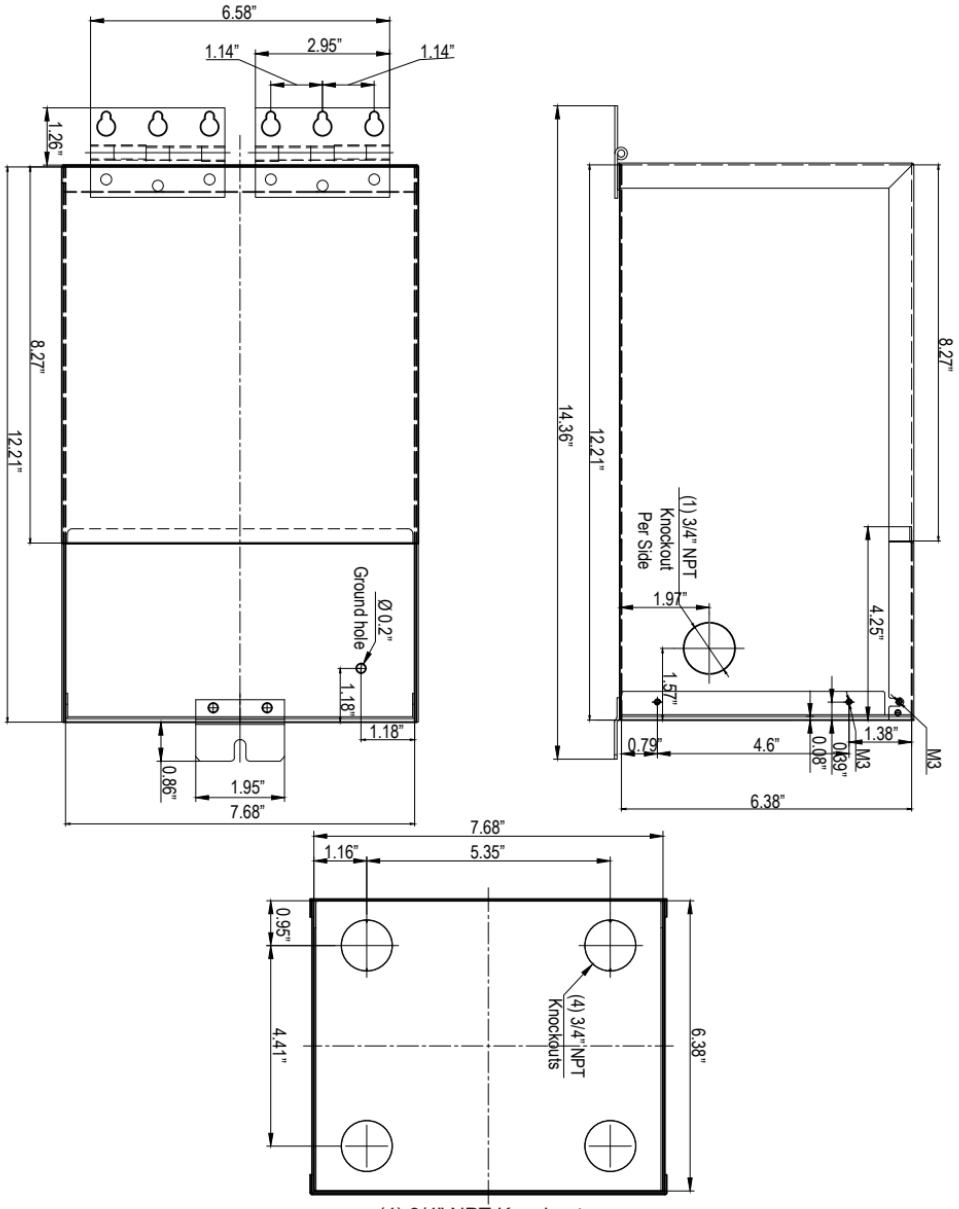
Commercial and industrial power distribution, lighting, HVAC equipment and machine loads requiring isolated 120/240V single-phase power. Balance 120V loads between the two secondary legs.

Dimensions: length (front to rear) x width (left to right) x overall height, including mounting brackets. All dimensions are in inches; weights are in pounds.

Enclosure Dimensions

6.38" L x 7.68" W x 14.36" H

All dimensions in inches. Length = front to rear; width = left to right.

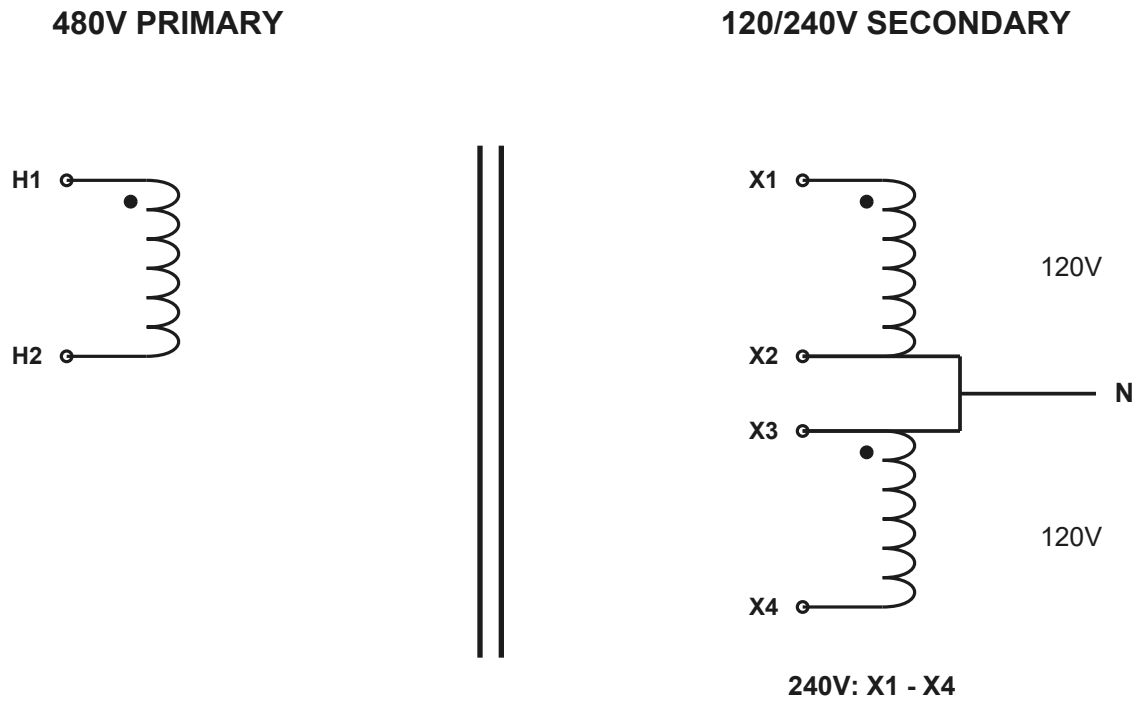


(4) 3/4" NPT Knockouts
Bottom (Underside) Plate

Overall height includes mounting brackets where shown.

Enclosure body height: 12.21"

Single-Phase Isolation / Split-Phase Secondary



Connection	Line terminals	Link / neutral
Primary 480V	H1 - H2	No primary links
Secondary 120/240V	L1: X1; L2: X4	Join X2 and X3 for neutral
120V loads	X1 - N or X4 - N	Balance loads between legs
Equipment ground	Enclosure grounding point	Bond per installation requirements

Rated output: 3 kVA total. Maximum current is 12.50A at 240V and in each 120V leg. Each 120V half winding is rated 1.5 kVA. This connection provides simultaneous 120V and 240V output.

Connection design uses the GP103 terminal convention. Verify terminal markings against the supplied unit nameplate before installation. H identifies the primary input; X identifies the isolated secondary output.