

### Summary

Single-phase encapsulated general purpose transformer. 2 KVA capacity. 600V primary, 120/240V secondary. Resin encapsulated, NEMA 3R indoor/outdoor enclosure. ETL Listed for US and Canada, wall mount.

### Product Description

This single-phase encapsulated general purpose transformer delivers safe, isolated power for commercial, industrial, and OEM applications. Rated at 2 KVA with a 600V primary and 120/240V secondary, it supplies lighting, appliance, machine-tool, and distribution loads from a fully isolated secondary.

The encapsulated core-and-coil construction uses epoxy resin potting to seal out moisture, reduce audible hum, and provide reliable thermal performance under continuous duty. Aluminum windings with a 180 deg C insulation class and 115 deg C rise ensure long service life.

Housed in a NEMA 3R rated steel enclosure in ANSI 61 grey, it features 3/4" NPT knockouts and a surface mounting bracket for indoor or outdoor wall mount. The secondary is fully isolated for a separately derived system per NEC 250.30. Copper windings available on request.



TX-A3-020K-103124 - NEMA 3R Encapsulated, ETL Listed

### Specifications

| Specification       | Value                     | Specification         | Value                  |
|---------------------|---------------------------|-----------------------|------------------------|
| Phase               | Single Phase (1-PH), AC   | Transformer Type      | General Purpose        |
| Capacity            | 2 KVA                     | Configuration         | Encapsulated Isolation |
| Primary Voltage     | 600V                      | Primary Termination   | Lead Wires             |
| Secondary Voltage   | 120/240V                  | Secondary Termination | Lead Wires             |
| Frequency           | 50/60 Hz                  | Termination Access    | Front Access Cover     |
| Insulation          | 180 deg C                 | Winding Material      | Aluminum               |
| Temperature Rise    | 115 deg C                 | Enclosure Material    | Steel                  |
| Maximum Primary OCP | 3A                        | Finish Color          | ANSI 61 Grey           |
| Wiring Knockouts    | (6) 3/4" NPT              | Weight                | 42 lbs                 |
| Dimensions          | 7.68"W x 6.38"D x 11.02"H | Mounting              | Wall / Surface         |

### Ratings & Certifications

- Listed for United States
- Listed for Canada
- NEMA 3R Indoor/Outdoor Enclosure
- Built to UL 1561 Standards
- CE Certified
- Epoxy Resin Encapsulated
- RoHS Compliant
- Separately Derived System
- Copper Windings Available

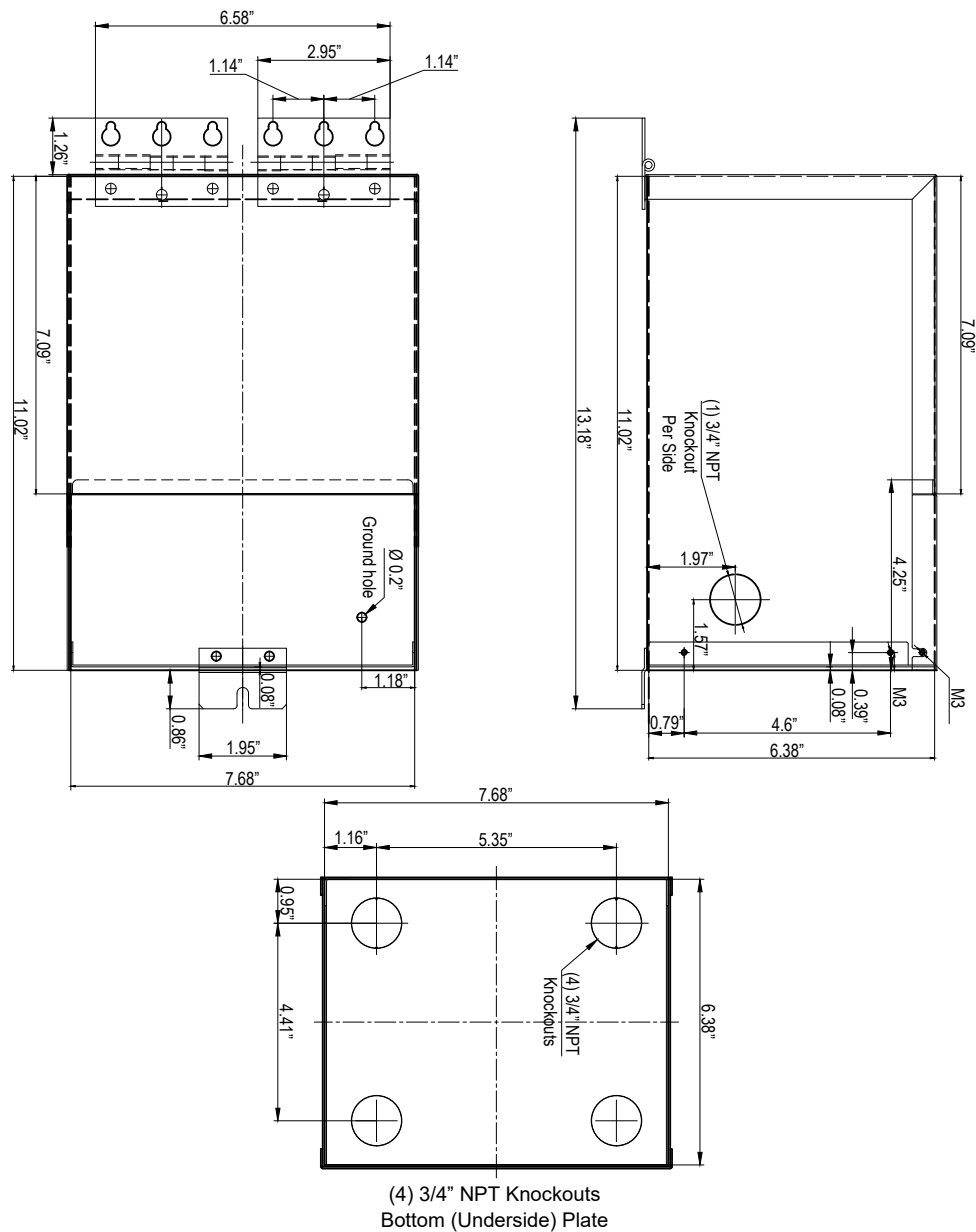


### Common Applications

- HVAC & Refrigeration
- CNC & Machine Tools
- Pump Stations
- Packaging Machines
- Commercial Kitchen Equipment
- Motor Loads
- EV Chargers
- Server Racks & IT Equipment
- Lighting Loads
- Fans & Blowers
- Conveyor Systems
- Overhead Doors

**Important: Made to order; standard lead time applies. Specifications are typical and subject to change without notice. Confirm voltage, capacity, and enclosure dimensions before ordering. Contact Sanzo Power for a quote.**

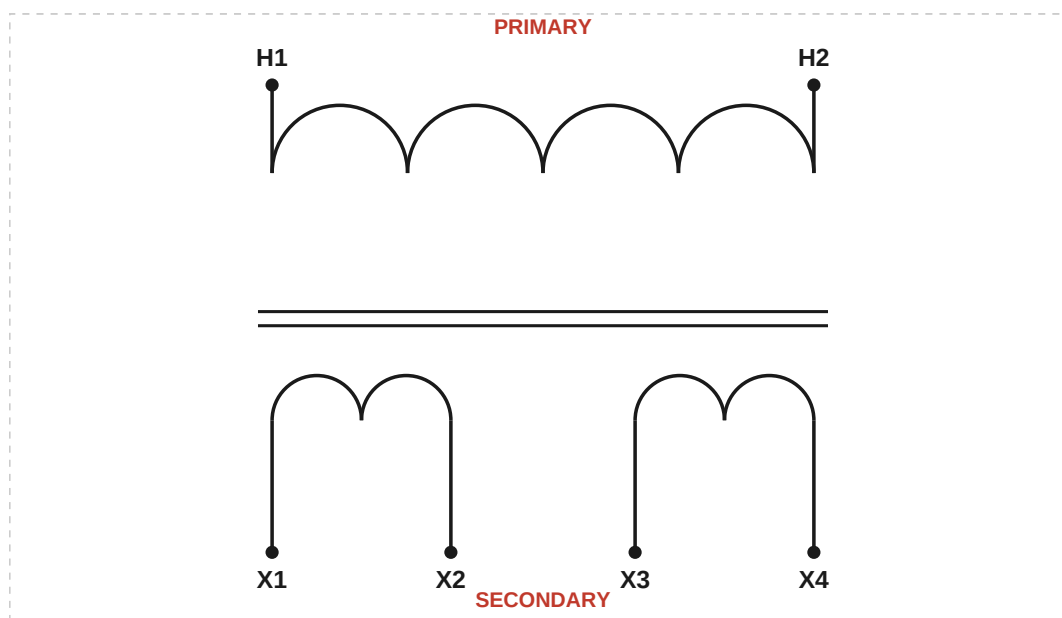
## Dimensions



# Wiring Diagram

## Diagram GP103

Single Primary / Dual Secondary



This single primary / dual secondary transformer provides an isolated 120/240V secondary from a 600V primary. Connect the line supply to primary terminals H1-H2 and take the load from secondary terminals X1-X4.

- Primary: 600V across H1-H2 - install supplied jumpers/links per nameplate
- Secondary: 120/240V across X1-X4
- Provide overcurrent protection and grounding per NEC Article 450 and 250.30



*TX-A3-020K-103124 - NEMA 3R Encapsulated General Purpose Transformer, ETL Listed*



*TX-A3-020K-103124 - Rear View - Mounting Bracket & Knockouts*



*TX-A3-020K-103124 - Side View - Enclosure Profile*



TX-A3-020K-103124 - Wiring Compartment - Primary & Secondary Leads





*TX-A3-020K-103124 - Interior View - Core, Coil & Lead Terminations*