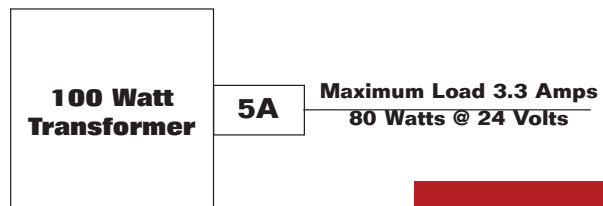
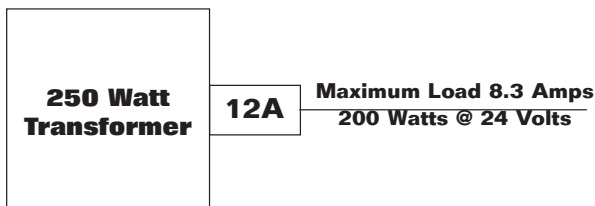
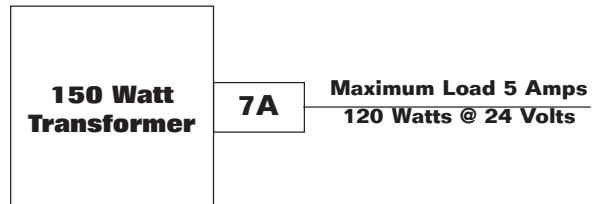
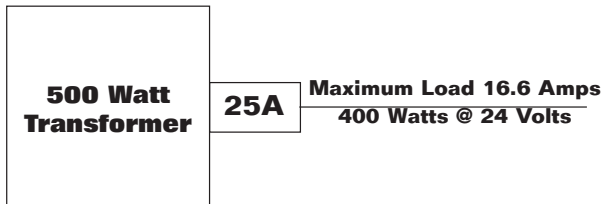
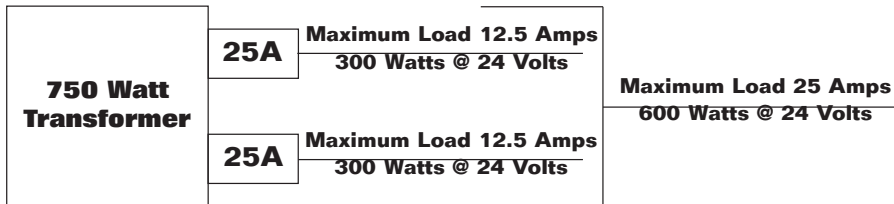
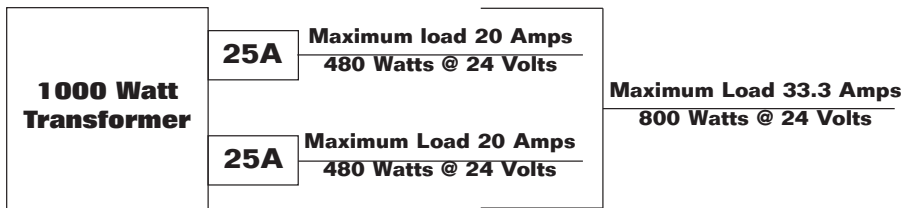


Secondary Circuit Protection

24 Volt

Transformers are provided with circuit breakers to protect the secondary circuits. The maximum size circuit breaker on a transformer is 25 amps. But the circuit wired to this breaker must not exceed 20 amps. The total load should be rated at 80 percent of the transformer rating.

There are several size transformers available and different size breakers installed in them. Below you will find some of the most popular combinations with the respective circuit limitations.



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- **Receiving**

Upon receipt of shipment, examine transformer for any damage that may have been sustained in transit. File a claim with the transportation company if any damage has occurred.

- **Precautions Before Installing**

Check the label to be sure the transformer is the suitable voltage and wattage for the job. Check the wire markings to be sure they match the wiring diagrams provided with the transformer.

- **Installation**

Select a suitable flat location that is strong enough to support the weight of the unit. Transformers are suitable for outdoor use when mounted in an upright position. Proper operation requires the free flow of air in an ambient temperature not to exceed 40°C (104°F). The transformer must be installed in a well-ventilated area free from explosive gases, explosive vapors and dust, excessive dust and dirt. Transformer is to be installed in accordance with Article 450 of the National Electrical Code and all applicable local codes.

- **Protection**

The transformer must not be subjected to high voltage transients caused by lightning, switching surges or other sources unless it is protected by lightning arrestors and surge suppressors. The transformer must be grounded in accordance with the National Electrical Code.

- **Connection**

Remove the bottom access plate of the transformer. With power off to the unit, connect the primary and be sure any unused leads are insulated. Turn power on and check secondary voltage to be sure it is correct for the load. Turn off the power to the unit and connect the secondary load using the circuit breakers installed. Install the bottom plate and energize the transformer with the load connected.

- **Maintenance**

Turn power off to the unit before removing bottom access plate. Check all connections for signs of looseness and deterioration and tighten, insulate or replace where necessary. Blow out dust and remove any foreign objects. Replace bottom access plate before turning power on.

Remember this is an air-cooled transformer and must have unrestricted air flow for proper operation.



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