



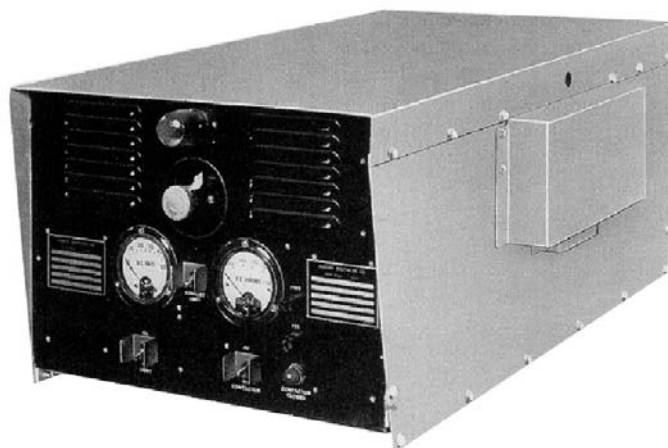
TR-1528

Transformer - Rectifier Pack

(for use with Hobart 400Hz Ground Power Units)

DESCRIPTION

The Hobart TR-1528 Transformer-Rectifier is an optional component for installation on Hobart 400Hz diesel engine driven Ground Power Units, to provide power for aircraft that require 28.5 volts direct current. The TR-1528 can be factory installed on any new diesel engine driven GPU. It can also be retrofitted to many older Hobart diesel and synchronous motor driven GPU's. Consult the factory for hardware required to install the TR-1528 on "in service" units.



STANDARD FEATURES

- AC input, 115/200 volts, 3-phase, 400Hz, 4-wire
- DC output, 28.5 volts
- Control panel includes:
 - Voltmeter
 - Ammeter
 - AC contactor on/off switch
 - Current limiting rheostat
 - Pilot light and switch
- Class F insulation
- High-grade electrical steel
- Black anodized aluminum heat sinks
- Extra capacity silicon diodes
- Long life 400Hz cooling fans
- Output terminal studs
- Weather resistant canopy with protective devices

SPECIFICATIONS

Output Rating:

800 amps continuous

Maximum Overload:

2000 amps, 5 minutes

2500 amps, 30 seconds

Overload Protection:

- Solid state overload device with inverse time, short circuit protection and thermal overload.

Voltage Regulation:

- Output terminal voltage at 28.5 volts:
Held to ± 0.5 volts by adjustable line drop compensation
- Overvoltage protection: Overvoltage trip value is 32 volts in 2 seconds
- Ripple: 1.0 RMS at 500 amps
1.8 volts RMS at 2500 amps
- Current limiting: 700 10 1500 amps

Environmental:

Operation Temperature:

- 25°F to +125°C

- 31°C to +52°C

Relative Humidity:

0-100% non-condensing

Dimensions:

Length: 36" (914 mm)

Width: 21" (533 mm)

Height: 13" (330 mm)

Weight: 300 lbs.

Optional Items:

- DC output cables with lugs on one end and plug on other end (no sensing leads)
- User to supply cables (usually #2) between 400Hz unit and TR, if TR is ordered separately

Hobart is an ISO9001 Certified Manufacturer

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