DC Generator
Model 5071

Model 5071 5371 is a self-contained, brushless, air cooled generator with a removable field regulator. At 28 volts DC, it is capable of providing up to 250 amperes at a minimum speed of 2,350 RPM and 400 amperes at 7,500 RPM. The generator is of the synchronous, salient pole type, power-rectified to produce 28 volts DC. This output voltage is controlled by a solid-state voltage regulator that is mounted directly on the generator housing. The entire unit is designed to withstand the rugged environment experienced by wheeled or tracked military vehicles.

Specifications

Voltage: 28 VDC
Overspeed: 10,000 RPM
Efficiency: 60% minimum
Ripple: Battery: 2.0 V
Without battery: 35 VDS
Cooling: Bi-directional fan

Weight: 78 lbs
Ambient: -50 C to 110 C
Current: 250 A @ 2350 RPM
400 A @ 7500 RPM
Regulation: Self-regulating 2350 – 7500 RPM w/ temperature compensation:
Battery: .2 - .6 V
Without battery: +/- 1 V