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## ABRAMS M1A2 SEPV3

# PROJECT POWER ON TODAY'S BATTLEFIELD

## A 28 Vdc, 1000 amp generator for the M1A2 Abrams main battle tank

The tank of the 21st century requires an array of sensors, communications, data and information systems—and they all need electrical power. The Collins Aerospace generator system for the Abrams M1A2 addresses this critical gap: it provides up to 1000 Amps of regulated 28 Vdc electrical power from tactical idle to maximum engine speed. This electrical system upgrade ensures the Abrams has the power to successfully operate on the net-centric battlefields of today and tomorrow.

### POWERING THE FUTURE

The Collins Aerospace generator for the Abrams M1A2 provides 1000 Amps of 28 Vdc electric power at tactical idle speed. The generator is oil cooled to provide high power density and reliability and sealed for immersed operations. A simple V-band clamp mounts the generator to the engine transmission and allows for ease of installation. The system requires no scheduled maintenance.

### KEY FEATURES

- High reliability
- MIL-STD-1275 compliant
- No scheduled maintenance
- Sealed for immersed operation
- Considered commercial item for other applications



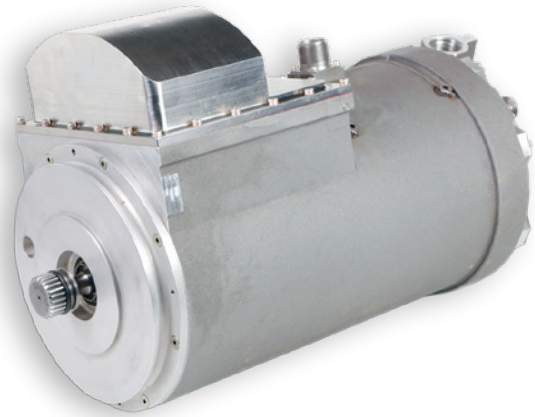
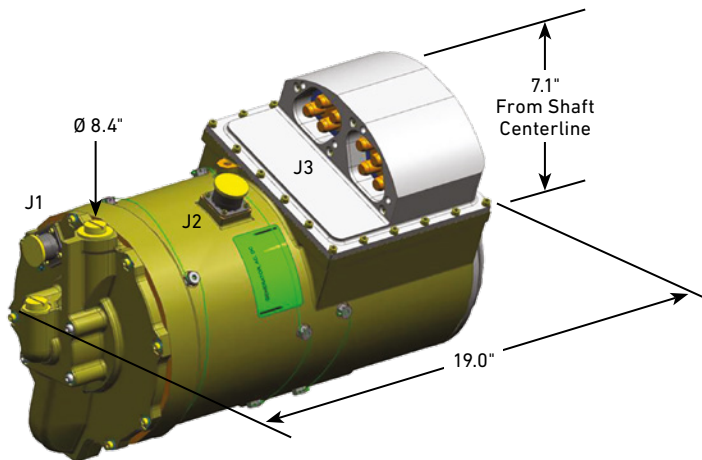
## SPECIFICATIONS

|         |   |
|---------|---|
| Size    | Generator: 19" L x 8.4" Ø<br>Length includes drive spline<br>Generic GCU: 8.5" x 4.0" x 2.63" |
| Weight  | Generator – dry: 112 lbs.<br>Generic GCU: 6 lbs.  |
| Power   | 1000 A @ 28 Vdc<br>2565 - 8000 RPM  |
| Cooling | Engine oil<br>4 to 5.2 gpm @ 225° F   |



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Specifications subject to change without notice.

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