avro GSE
Best on Ground

Introducing the New Diesel GPU Lineup

Power. Precision. Performance.



Avro GSE's next-generation Diesel Ground Power Units for aviation support.

GP60D | GP90D | GP140D | GP180D

Why Choose **Avro's Diesel GPUs**

- **Rock-solid reliability**
  Designed for continuous ramp operations in harsh environments.
- **Optimized efficiency**
  Runs at 1,500 RPM for lower fuel consumption
- **Compact, mobile design**
  towable trailer style, easy ramp deployment, front-steering axle (for GP90D)
- **Sound isolation & durability**
  Soundproof canopy keeps noise to 72 dB; robust steel chassis built for harsh ramp use.
- **Full protection & alerts**
  Built-in safety shutdowns & alarms for oil pressure, temperature, over/under voltage, overload, phase faults, etc.
- **Flexible outputs**
  standard 400 Hz AC (115/200V) with optional DC (28 V) output modules.

MODEL	GPU POWER	PEAK CURRENT (A DC)	CONTINUOUS (A DC)	ENGINE / CYLINDERS	WEIGHT (KG)	FUEL TANK	OUTPUT TYPES	HIGHLIGHTS
GP60D	60 kVA	2,000 A	800 A	Deutz 4 cyl	2,900 kg	220 L	400 Hz + optional 28 V DC / 56V	Compact, best for medium aircraft
GP90D	90 kVA				2,800 kg	315 L (8–24 h)		
GP140D	140 kVA			Deutz 6 cyl	3,300 kg			Strong mid-range option
GP180D	180 kVA				3,350 kg			Maximum Diesel capacity

Note: Dimensions, cable lengths, optional features available in full spec sheets. GP60D: 28 V DC output (115/200 V AC optional).

IN-DEPTH FEATURE HIGHLIGHTS

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High Starting Capacity & Load Handling

Each unit supports 2,000 A DC peak starting current and 800 A DC continuous output, ensuring aircraft systems (avionics, APU start, environmental systems) are powered reliably.

Robust Protection & Diagnostics

Automatic shutdowns and alerts for:

- Low oil pressure / high coolant temp
- Overload / short-circuit / over-voltage / under-voltage
- Phase rotation & open neutral detection
- Over/under frequency events

Plus a clear control panel with alarm logs and meter readings (voltage, current, frequency, temperature, engine RPM, fuel level).

Precision Regulation & Transient Response

Strict voltage/frequency control and fast recovery from load transients (meets 400 Hz ±1 %) ensures sensitive avionics are protected.

Fuel Efficiency & Runtime

With a 315 L fuel tank and the efficient 1,500 RPM design, units can operate continuously for extended durations depending on load.

Temperature & Environmental Range

Designed to operate reliably from –20 °C up to +45 °C ambient conditions.

Mobility & Maintenance Friendly Design

- Towable trailer mount with steering (GP90D has front-axle steering)
- Accessible panels for engine, alternator, filters
- Standard cable set: 10 m length, 4 × 70 mm² conductors (for AC output)
- Modular design for easier parts replacement

Flexible Financing Plans to Upgrade Your Fleet

- Flexible
- Quick Approval
- Plans Tailored to Your Needs



SUPPORT • WARRANTY • SERVICE

- **Customizable warranty plans** Tailored to airport operating hours & usage profiles
- **AAA Maintenance Program** Access access to standby units & expedited spare parts across service network
- **Concierge-level support** Diagnostic support (via QR/ remote), training, on-site service & parts logistics
- **Stocked inventory & fast shipping** Units and parts available for prompt deployment

Contact Us

For more information or to request a quote:

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