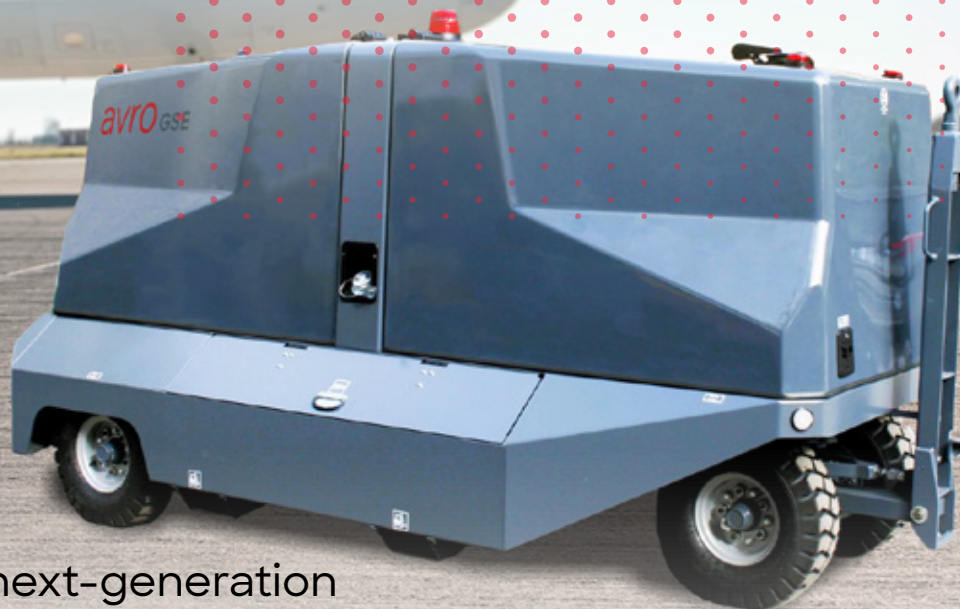


**avro** GSE

Best on Ground

# Introducing the New Diesel GPU Lineup

*Power. Precision. Performance.*



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

**GP90D | GP140D | GP180D**

## Why Choose **Avro's Diesel GPUs**

- ✓ **Rock-solid reliability**  
Designed for continuous ramp operations in harsh environments.
- ✓ **Hydrostatic Drive System**  
Features towbar-controlled hydrostatic drive for precise maneuvering and enhanced control during operations.
- ✓ **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**  
Achieves a maximum belt height of 3 meters, facilitating efficient loading and unloading processes.
- ✓ **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) | CONTINUOUS (A) | ENGINE / CYLINDERS | WEIGHT (KG) | FUEL TANK      | OUTPUT TYPES                    | HIGHLIGHTS                        |  |  |
|--------|-----------|------------------|----------------|--------------------|-------------|----------------|---------------------------------|-----------------------------------|--|--|
| GP90D  | 90 kVA    | 2,000 A          | 800 A          | Deutz 4 cyl        | 2,800 kg    | 315 L (8-24 h) | 400 Hz + optional 28 V DC / 56V | Compact, best for medium aircraft |  |  |
| GP140D | 140 kVA   |                  |                | Deutz 6 cyl        | 3,300 kg    |                |                                 | Strong mid-range option           |  |  |
| GP180D | 180 kVA   |                  |                |                    |             |                |                                 | Maximum Diesel capacity           |  |  |

**Note:** Dimensions, cable lengths, optional features available in full spec sheets.

# IN-DEPTH FEATURE HIGHLIGHTS

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## High Starting Capacity & Load Handling

Each unit supports 2,000 A peak starting current and 800 A 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  $\pm 1\%$ ) 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  $-20\text{ }^{\circ}\text{C}$  up to  $+45\text{ }^{\circ}\text{C}$  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,  $4 \times 70\text{ mm}^2$  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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