



# DDM090 – 180

**Diesel-Driven  
Ground Power Unit**



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# Diesel-Driven GPU

BGSE Group is your partner for aviation ground support equipment, and a system integrator focused on efficiency, performance and reliability.

Our experts have comprehensive industry knowledge and an innovative mindset driven by your needs.

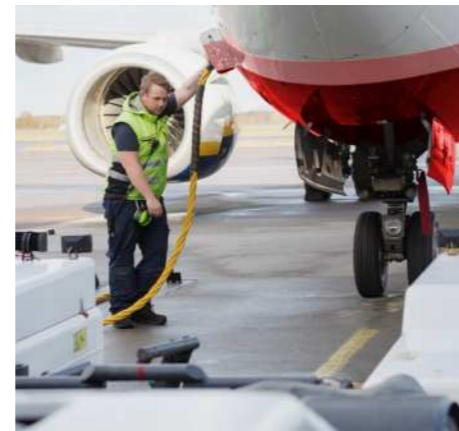


DDM 090 Control Panel Screen

## 01 — Economical power supply



The combination of the highly efficient generator and the latest engine technologies guarantee optimum power supply with reduced operation costs. In addition, the low-maintenance product concept reduces time and costs for spare parts and maintenance.



## 02 — Optimized maintenance

Our diesel-driven ground power units are built to last. The innovative design withstands the harshest conditions at the apron. Due to the thought-out product concept, which is based on the experience by ground handling personnel, very low maintenance is necessary.



## 03 — Intuitive User Interface

The newly designed user interface is reduced to the very essentials. It is intuitively to use for the operator and the service staff. On-site maintenance and service is improved by remote access to all units. In the future, predictive maintenance will further increase the units' availability.

# Specifications



## Diesel-Driven GPU, DDM 090 – 180

### Engine

Producer	Deutz, water cooled 4- or 6-cylinder inline engine, (other engines on request)	
Emission	EU COM II	BF4M 1013 FC / BF6M 1013 FC G3
	EU STAGE V / US TIER 4 final	TCD 4.1/TCD 7.8 including DPF and SCR
Speed	1846 rpm	

### Environment

Operating temperature	-25°F to 125°F (-32°C to 52°C)
Relative humidity	Up to 95 %

### Material & Colour

Canopy: PMMA - material, RAL 000 7500
Chassis: Corrosion resistant material, RAL 000 2000

### Output

Nominal power	90 / 120 / 140 / 180 kVA
Power factor	0.8 to 1.0
Voltage	200 / 115 V 3-phase with neutral
Overload capacity	according to ISO 6858:2017

### Options

28 VDC output module	Protective isolation (DFS 400 - 4 kV)
automatic oil refilling	beacon & indication lights
fire suppression system	other customized options on request

### Standards

ISO 6858:2017 / EN 2282 / BS 2G 219 / EN 1915-1&-2 / DFS 400 / Mil-STD 704 / SAE ARP 5015 / EN 61000-6-4 / EN 12312-20
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### Weight

DDM 090	5,952 lb (2,700 kg)
DDM 180	6393 lb (2,900 kg)

### Tank capacities

Fuel: 79 gal (300 l), ~ 10-12 hours operation
Ad Blue: 2.6 gal (10 l)

