

Dynell[®]

The power league.

Ground Support

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DDM 090 – 180

Diesel-Driven
Ground Power Unit



Diesel-Driven GPU

DDM 090 – 180 Diesel-Driven GPU

Dynell is your competent partner for aviation ground support equipment. Our diesel-driven ground power units combine a highly efficient and durable generator, latest engine technology and an advanced 3G ready control system. The DDM is managed by an intuitive user interface and withstands even the harshest conditions at the apron.

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

Dynell's diesel-driven ground power units are built to last. On-site maintenance and service is improved by remote access to all units. The electrical cabinet is a milestone due to its plug&play modules and minimized size. In the future, predictive maintenance will further increase the unit availability.



03 — Intuitive User Interface

The newly designed user interface is reduced to the very essentials and withstands the harshest conditions at the apron. Due to the tough-out product concept, which is based on the experience by ground handling personnel. It is intuitively to use for the operator and the service staff.



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 COM III	TCD4.1 / TCD7.8 downgr.
	EU STAGE V / US TIER 4 final	TCD7.8 including DPF and SCR
Speed	1846 rpm	

Environment

Operating temperature	-32° C to +52° C
Relative humidity	Up to 95 %

Material & Colour

Canopy: PC-UV - 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	telematic system
remote service	other customized options on request

Standards

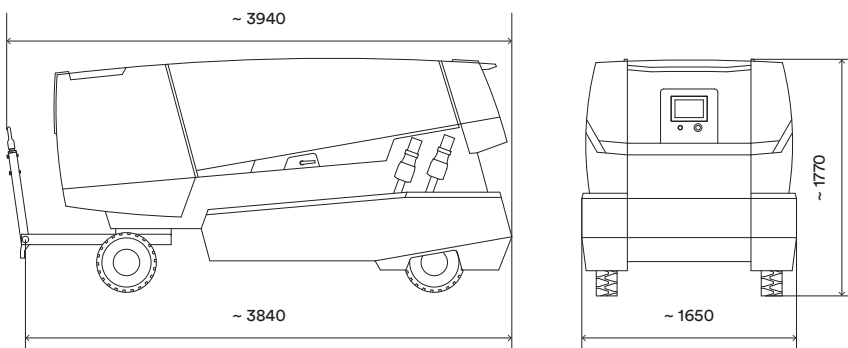
ISO 6858:2017 / EN 2282 / BS 2G 219 / EN 1915-1&-2 / DFS 400 / Mil-STD 704 / SAE ARP 5015 / EN 61000-6-4 / EN 12312-20
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Weight

DDM 090	~ 2,700 kg
DDM 180	~ 2,900 kg

Tank capacities

Fuel: ~ 300 l (~ 10-12 hours operation)
Ad Blue: ~ 10 l



Based on a balanced mix of knowledge, experience and innovation, we design, build, distribute and maintain aviation ground support and charging equipment. Our ground-breaking ideas generate the greatest possible customer value for future markets around the globe.

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