

# Dynell<sup>®</sup>

The power league.

## DDM 090 – 180

Diesel-Driven  
Ground Power Unit



Ground Support

[dynell.at](http://dynell.at)

# 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, the latest engine technology and an advanced control system. The DDM is managed through an intuitive user interface and withstands even the harshest conditions on the apron.

## 01 — Economical power supply



The combination of the highly efficient generator and the latest engine technologies guarantees optimum power supply with reduced operating 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 are enhanced by remote access to all units. The electrical cabinet is a milestone, featuring plug-and-play modules and a minimized size. In the future, predictive maintenance will further increase unit availability.



## 03 — Intuitive User Interface

The newly designed user interface is streamlined to the essentials and can withstand the harshest conditions on the apron. Thanks to the well-thought-out product concept, based on the experience of ground handling personnel, it is intuitive to use for both operators and 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 9004

### 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

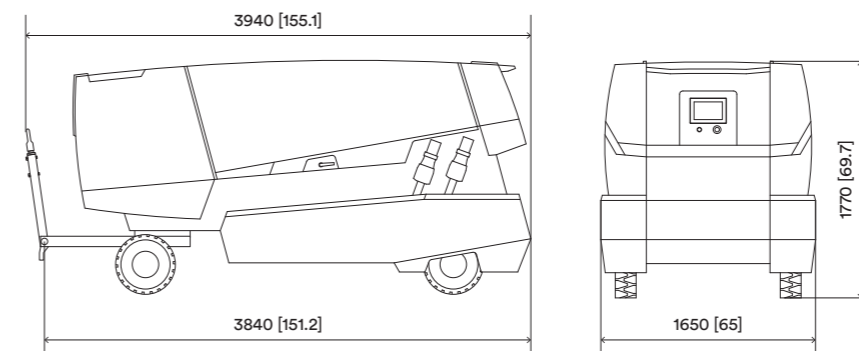
ISO 6858:2017 / EN 2282 / EN 1915-1&-2 / DFS 400 / Mil-STD 704 / SAE ARP 5015 / EN 61000-6-4 / EN 12312-20
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### Weight

DDM 090	~2,700 kg [~5953 lb]
DDM 180	~2,900 kg [~6394 lb]

### Tank capacities

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



All dimensions in mm and [inches]

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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