

YOU GOT THE
POWER.



AIRPORT TECHNOLOGIES

D POWER

Diesel Driven Ground Power Unit



HITZINGER[®] 
Power. Anytime. Anywhere.

D POWER

DIESEL DRIVEN GROUND POWER UNIT

With its **D POWER**, Hitzinger presents a new quality of ground power generation for aircraft during the flight preparation phase. The increased degree of efficiency and the reduction of the total cost to operate accompanied by increased environmental and user-friendliness make **D POWER** the most innovative ground power unit for demanding long-term operations.



AVAILABLE APPLICATIONS

- Towable application
- Motorised application
- Application aircraft tow tractors

POWER RANGE

- D POWER 90 to 180 kVA

TECHNICAL DATA

- Voltage: 200/115 VAC
- Frequency: 400 Hz

ENVIRONMENT

- Ambient temperature:
 - 30° C to +52° C
- Relative humidity
 - up to 95 %
- Noise level:
 - < 75 dB (A) @ 1m

OPTIONS

- 28 VDC unit for single or simultaneous operation
 - permanent load: 600 A
 - maximum load: 2500 A
- Modified protective separation (IT) according to DFS 400
- Individual customizing on request

STANDARDS

- ISO 6858 version 2
- EN standards
- SAE ARP 5015
- DFS 400
- BS 2G 219

GUARANTEED POWER

D POWER distinguishes itself with optimized economic efficiency and increased alternator efficiency. Decreased maintenance costs and convenient serviceability and operation complete the product's consistent development strategy. We guarantee optimal power.



MAXIMUM EFFICIENCY

By reducing the rotations per minute to 1500 rpm, **D POWER** increases commercial efficiency by reducing fuel consumption. This also results in lower maintenance costs and the lowest noise level possible.



INCREASED EFFICIENCY

Due to the increased efficiency of the alternator and independent from the load profile, aircraft may also be powered as economically as possible during turn-down.



BEST SERVICEABILITY

The modular design of the control unit simplifies all service work. Spaciously designed side panels enable optimized access.



USERFRIENDLY CONTROLS

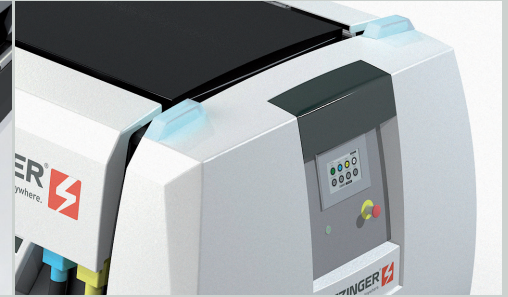
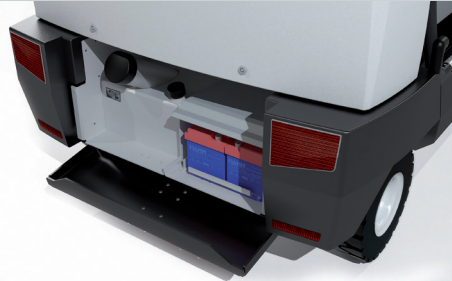
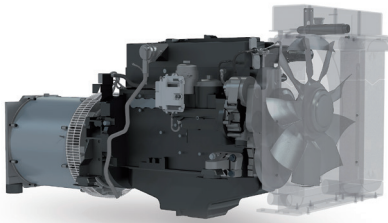


The touch panel of the controller distinguishes itself via intuitive user guidance. It is able to be read easily in sunny conditions, it is water and dust proof, and it is suitable for adverse airfield conditions, and the resistant touch screen may also be easily operated by gloved hands.

SIMPLY BRILLIANT

Economic efficiency, safety, and maximum flexibility are the main focus of our development strategy. We evaluate the power of innovation according to the benefit that it provides our consumers. More power for less investment and optimal handling.

ECONOMIC GROUND POWER



INNOVATIVE TECHNOLOGY

- engine speed: 1500 rpm
- lowest noise level possible
- lowest maintenance costs possible
- lowest emissions possible
- light-weight design
- robust chassis
- equal track width of the front and rear suspension results in:
 - stable driving conditions
 - smallest corner handling

SIMPLIFIED MAINTENANCE

- modular control unit
- outstanding access for serviceability and maintenance (from 4 sides)
- perfect access to maintenance-free absorbent glass mat
- all-rubber tires

MONITORING SYSTEM

- easy operation via intuitive menu guidance
- clearly laid-out and easy to use operating data
- user mode for application & service area (user and expert mode)
- easy operation

ECONOMIC EFFICIENCY

- lowest fuel consumption possible
- extended life cycle

SAFETY

- lighting system enables diverse operating states to be indicated optically (LED)
- easy to read error log

ERGONOMICS

- optimized workplace ergonomics achieved via simultaneous availability of operating panel and aircraft supply cable
- spaciouly designed cable tray
- definite position of aircraft supply cables for protecting against weather

TECHNICAL SPECIFICATIONS

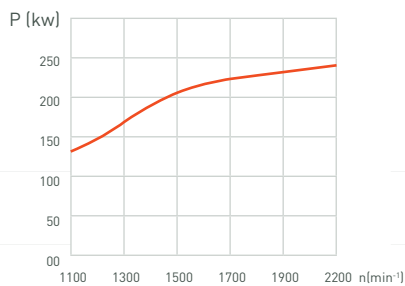
GENERAL TECHNICAL SPECIFICATIONS

Nominal power:	90/120/140/180 kVA
Power factor:	0.8
Voltage:	200/115 V 3-phase + neutral
Frequency:	400 Hz
Protection according to DIN 40050:	400 Hz IP 55 control unit, overload
Overload characteristics:	110 % for 60 min, 125 % for 5 min

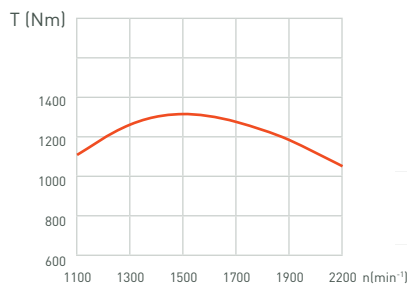
TECHNICAL DATA DIESEL ENGINE

Make:	DEUTZ TCD 2013, water-cooled CUMMINS QSB5, QSB7, water-cooled
Exhaust emission level:	EU tiers IIIA and IIIB/US EPA TIER 3 and TIER 4
Engine speed:	1500 rpm
Engine electrics:	24 VDC
Diesel engine operation:	4-stroke in-line engine, common rail system

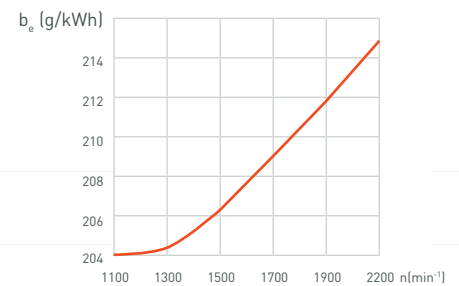
PERFORMANCE



TORQUE



CONSUMPTION



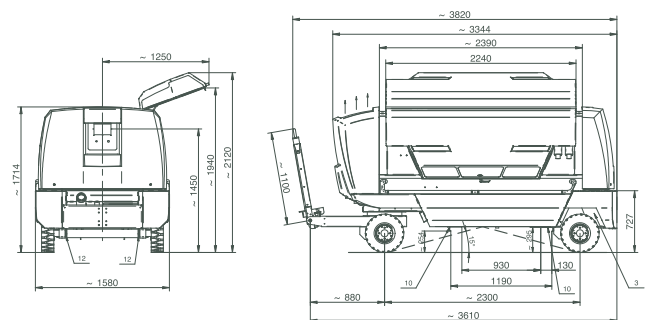
TECHNICAL DATA ALTERNATOR

Make:	HITZINGER SGE5C32K
Efficiency:	92 %
Model:	32-pin, self-controlled 3-phase internal pole synchronous alternator

WEIGHTS AND DIMENSIONS

Model	Weight (kg)	Dimensions (H x W x L) (mm)
D POWER 90	~2800 kg	1714 x 1580 x 3820 mm (H x W x L)
D POWER 120	~2800 kg	1714 x 1580 x 3820 mm (H x W x L)
D POWER 140	~2900 kg	1714 x 1580 x 3820 mm (H x W x L)
D POWER 180	~2900 kg	1714 x 1580 x 3820 mm (H x W x L)

MEASUREMENTS



FOR OVER 60 YEARS, QUALITY, EFFICIENCY, AND DURABILITY HAVE BEEN THE FOUNDATIONS OF OUR SUCCESS. COUNTLESS INDUSTRIES THROUGHOUT THE WORLD PLACE THEIR TRUST IN US TO PROTECT AND POWER THEIR BUSINESSES AT EVERY MOMENT OF EVERY DAY. AS A WORLD LEADER IN TAILOR-MADE POWER SOLUTIONS, WE ARE YOUR PARTNER FOR INNOVATION, VALUE AND SERVICE. WE ENSURE THAT YOU'VE GOT THE POWER.

POWER. ANYTIME. ANYWHERE.



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