

POWER. ANYTIME. ANYWHERE.

YOU GOT THE  
POWER.



AIRPORT TECHNOLOGIES

**JET POWER**

Diesel Driven Ground Power Unit



 **HITZINGER**<sup>®</sup>  
A Member of Dr. Aichhorn Group

## JET POWER

### DIESEL DRIVEN GROUND POWER UNIT

With the **JET POWER**, Hitzinger is presenting a new quality of ground power supply in the flight preparation phase, especially for small classes of aircraft and in the general aviation sector. Increased efficiency ensures for a reduction of the overall costs (TCO), increased environmental and user friendliness, as well as minimal environmental noise. This makes **JET POWER** the most innovative ground power unit in the compact class.



#### DESIGN

→ towed model

#### POWER RANGE

→ JET POWER 30 / 45 / 60 / kVA

#### TECHNICAL DATA

→ voltage: 200/115 VAC

→ frequency: 400 Hz

#### ENVIRONMENT

→ ambient temperature:

-30° C up to +52° C

→ relative humidity

up to 95 %

→ sound level:

< 68 dB (A) @ 7 m

→ application up to a height of 2000 m

#### OPTIONS

→ 28 VDC unit for individual or simultaneous operation

- permanent load: 600 A

- maximum load: 1500 A

→ modified protective separation (IT) in accordance with DFS 400

→ customized finish upon request

→ sand filters

→ transport lugs

→ immobilizer

#### STANDARDS

→ ISO 6858 version 2

→ EN norms

→ SAE ARP 5015

→ DFS 400

→ BS 2G 219

# GUARANTEED PERFORMANCE

The **JET POWER** is characterised by optimised cost effectiveness and increased efficiency. Minimal maintenance, ease of servicing and operating complete the picture of this engineering masterpiece development. We guarantee brilliant performance.



## OPTIMISED COST EFFECTIVENESS AND EFFICIENCY

With an engine speed of 2000 rpm, the **JET POWER** achieves maximum cost effectiveness through less fuel consumption. This subsequently ensures an extremely low sound level, as well as lower maintenance costs. On account of the increased efficiency of our specially developed generator, which provides its maximum capacity at 75 % load, aircraft can also be serviced with optimum cost effectiveness at partial load operation.



## MAXIMUM SERVICING

All servicing is simplified by the modular construction of the 400 Hz and 28 VDC switchgear. The newly developed housing can be fully raised and therewith enables a simple and fast access to all technical major components.



## SIMPLIFIED HANDLING

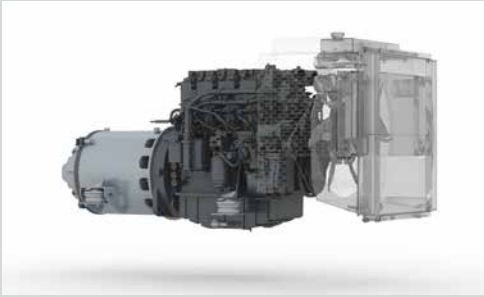


The touch panel for operation features intuitive user guidance. It is easy to read in bright sunlight, dust- and waterproof, as well as suitable for hard and rough airfield conditions. The resistive touch screen may be operated easily with gloves.

# WELL DESIGNED

Cost effectiveness, safety and a maximum of flexibility were the driving principles in our development process. We evaluate the power of innovation in accordance with the benefits offered to the user. Greater performance with less expense and optimum handling.

## ECONOMIC GROUND POWER



### INNOVATIVE TECHNOLOGY

- engine speed: 2000 rpm
- lowest sound level: 68 dB (A) @ 7 m
- minimum maintenance costs
- minimum emissions
- weight-saving on account of lightweight construction
- robust chassis
- same track gauge for the front and rear axles:
  - stable handling
  - smallest turning radius

### SIMPLEST MAINTENANCE

- simple refitting and exchange of the modularly constructed control unit
- outstanding access for service and repairs
- perfect access to the maintenance-free AGM batteries
- rubber solid tyres

### MONITORING SYSTEM

- simple operation is guaranteed by the intuitive menu navigation
- clear and simple operating data display
- different operation modes for operator, maintenance staff and service engineers
- easy to use for untrained staff

### COST EFFECTIVENESS

- minimum fuel consumption
- long lifetime

### SAFETY

- the lighting system provides different operating modes to be visually displayed (LED)
- the failure recorder is easily readable

### ERGONOMICS

- optimised ergonomics with perfect access to the control panel and the aircraft cable
- generously designed cable tray
- defined position of the connector for protection against adverse weather conditions

## TECHNICAL SPECIFICATIONS

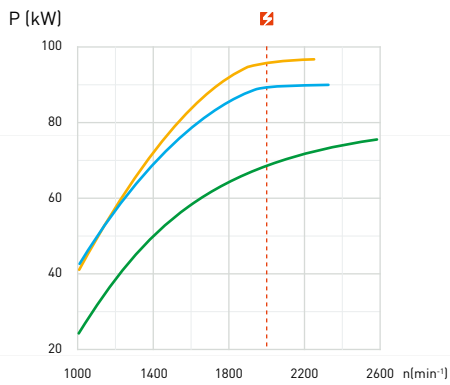
### GENERAL TECHNICAL SPECIFICATIONS

Nominal power:	30/45/60 kVA
Power factor:	1,0
Sound level:	68 dB (A) @ 7 m
Voltage:	200/115 V 3-phase + neutral conductor
Frequency:	400 Hz
Protection according to DIN 40050:	400 Hz switchgear IP 55
Overload characteristics:	110 % for 60 min, 125 % for 5 min

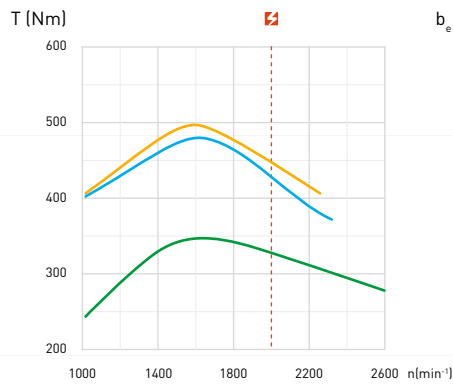
### TECHNICAL DATA DIESEL ENGINE

Make / exhaust emission level:	DEUTZ TCD 2011 L4W – 74,9 kW	EU level III A / US EPA TIER 3
	DEUTZ TCD 3.6 L4 – 90 kW interim	EU level III B / US EPA TIER 4
	DEUTZ TCD 3.6 L4 – 97 kW final	EU level TIER 4
Engine speed:	2000 rpm	
Engine electrics:	24 VDC	
Diesel engine operation:	4-stroke in-line engine, common rail system	

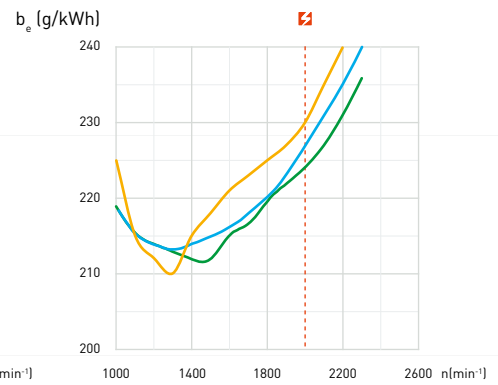
### PERFORMANCE



### TORQUE



### CONSUMPTION



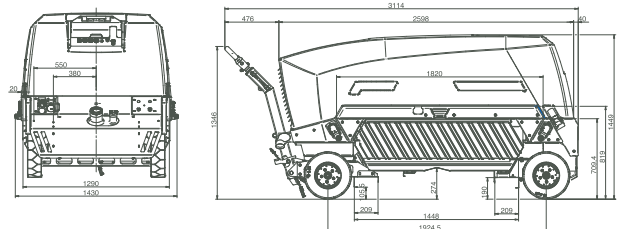
### TECHNICAL DATA ALTERNATOR

Make:	HITZINGER SGE034C24K, 30 kVA
	HITZINGER SGE034D24K, 60 kVA
Efficiency:	92 % @ 75 % load
Model:	24-pin, self-controlled 3-phase internal pole synchronous alternator

### WEIGHTS AND DIMENSIONS

JET POWER 30	~1560 kg	1449 x 1430 x 3114 mm (H x W x L)
JET POWER 45	~1650 kg	1449 x 1430 x 3114 mm (H x W x L)
JET POWER 60	~1750 kg	1449 x 1430 x 3114 mm (H x W x L)

### MEASUREMENTS



FOR OVER 70 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.

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