

# STORM

Compact, versatile energy



PPR-ST-DO-US-21

**50Hz 60Hz**



*Energy Solutions Provider*

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## HANDLING

**Lifting ring and mounting brackets for fork lift use:**  
Simplified logistics.



## SAFETY

**Protective panel for fan and hot parts:**  
A guarantee of increased user safety.



## STRONG

**Water cooling:**  
This industrial engine is ideal for continuous operation and helps extend the generating set's service life.



## COMPACT

**Reduced size:**  
STORM generating sets are small, allowing them to be stacked\* on 3 levels. This means optimised storage and logistics.

\*The gensets are packaged in boxes



46 units in a 20-foot container.  
96 units in a 40-foot container.



ACCESSORIES AVAILABLE (supplied unassembled)



## HANDLING

**Trolley kit:**  
This accessory allows the genset to be moved without the need for additional equipment.



## ERGONOMIC

**Socket pack:**  
Optional equipment for simplified connection.





## SILENCER

**Integral cover and soundproof foam:**  
From 25 to 50 mm thick, this foam allows the genset to reach 65 dB(A) @ 7m (50 Hz) and 68 dB(A) @ 7m (60 Hz).



## SAFETY

**Locking catch:** This catch prevents access to the inside of the genset.

**Mobile tank:**  
Accessible from inside, it also prevents fuel theft.



## RELIABILITY

**Voltage regulator:**  
A regular current to protect the most sensitive equipment.



## ERGONOMIC

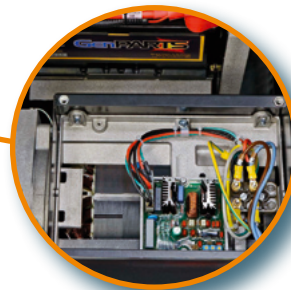
**Control panel front:**  
Easily accessible, this area contains all the tools used to control the genset:

- MODYS control unit,
- voltmeter,
- working hours counter,
- circuit breaker, etc.



## MAINTENANCE

**Removable front panel:**  
Easy maintenance thanks to clear engine access.



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## TECHNICAL DATA SHEET

### Specification

- Automatic voltage regulation
- MODYS with prewiring for automatic start-up
- Working hours counter
- Lifting ring
- Tank filling from inside
- Fuel level visible from outside
- Generating set padlock
- Protective grille for hot and rotating parts
- Easy access for maintenance



### General specifications

Engine type	KOHLER DIESEL / KDW 502	
Alternator type	MECCALTE / ES20FS-130	
Cooling type	WATER	
MODELS	S6-HM	S7-UHM
Frequency (Hz)	50	60
RPM	3 000	3 600
Max. ESP output (kWe) @ 35°C	5.6	6.6
Max. PRP output (kWe) @ 35°C	5.1	6.0
Reference voltage (V)	220/110	120/240
Current (A)	25/51	55/27
Standard control unit	MODYS	
Tank capacity (L)	30	
Maximum run time @ 75% ESP (h)	13.6	11.5

### Engine specifications

Cubic capacity (cc)	505	
No. of cylinders	2	
Fuel consumption @ 75% (l/h)	2.2	2.6

### Dimensions and sound level

Length (mm)	1165	
Width (mm)	705	
Height (mm)	783	
Net weight (kg)	245	
Sound level @ 7m dB(A)	65	68

### Definition of outputs

**PRP:** main power available continuously under variable load for an unlimited number of hours annually, in accordance with ISO 8528-1.

**ESP:** Emergency Standby Power available for supplying emergency power under variable load in accordance with ISO 8528-1, no overload available for this service.

### Conditions of use

In accordance with standard ISO 8528, the generating set's nominal output rating is indicated for an ambient air temperature of 25°C, barometric pressure of 100 kPa (approximate altitude 100m) and relative humidity of 30%. To find out the conditions specific to your installation, refer to the derating table.



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