



# 500 kVA canopied GHP generator

Aggreko's greenpower (GHP) generators are purpose-built for rental to our specifications at our ISO-accredited manufacturing facility in the UK. Fully enclosed in an acoustic canopy, the 500 kVA generator is designed and certified to comply with EC directives for machinery safety and noise emissions, as well as TA-Luft/EPA certification for exhaust emissions

<b>ELECTRICAL OUTPUT</b>	<b>50 Hz</b>	<b>60 Hz</b>
CONTINUOUS POWER (kW/kVA)	362/452	352/441
PRIME POWER (kW/kVA)	404/505	394/493
SINGLE STEP LOAD APPLICATION	65%	65%

## Technical data\*

<b>500 kVA GENERATOR</b>		<b>CABLE REQUIRED – 500 kVA, 721 AMPS @ 400V</b>	
AMBIENT TEMPERATURE BEFORE DERATE	40°C/104°F (50 Hz) 40°C/104°F (60 Hz)	SIZE	2 x 240mm <sup>2</sup> /phase
VOLTAGE RANGE (50 Hz)	220-240/380-415 Volts AC	TYPE	1 core
VOLTAGE RANGE (60 Hz)	240-277/416-480 Volts AC		

## PHYSICAL DATA

LENGTH / WIDTH / HEIGHT 5.16m / 1.90m / 2.56m

WEIGHT (WITHOUT FUEL) 7800kg

WEIGHT (WITH FUEL) 8700kg

## FUEL CONSUMPTION

100% PRIME POWER 50 Hz 92.3 l/hr 60 Hz 90.5 l/hr

75% PRIME POWER 67.8 l/hr 66.8 l/hr

50% PRIME POWER 46.2 l/hr 46.2 l/hr

## EMISSIONS DATA (@100% LOAD)

NO<sub>x</sub> (OXIDES OF NITROGEN) TA-LUFT 50 Hz 5.89 g/kWhr EPA 60 Hz 5.57 g/kWhr

PM (PARTICULATE MATTER) - 0.07

CO (CARBON MONOXIDE) 0.59 0.49

HC (UNBURNT HYDROCARBONS) 0.27 0.35

## NOISE DATA

SOUND PRESSURE AT 1M 50 Hz 74 dBA 60 Hz 76 dBA

SOUND PRESSURE AT 7M 68 dBA 69 dBA

\*Equipment supplied may vary slightly

## FEATURES

Designed and assembled to Aggreko's standards

Bolted, galvanised, alloy steel canopy with lockable doors

Acoustically designed equipment

Fully bunded fuel tank with 120% capacity

Low fuel level warning sensor in fuel tank

Forklift pockets in base frame and lifting beam on top

Optional 2-point lifting arrangement

Silencer fitted with spark arrestor and rain cap

Control panel mounted inside, viewable through glass door

Range of warnings and shutdowns on control system

## BENEFITS

Safe and reliable operation for rental applications

Provides extra strength, durability and protection

Reduces noise to operate even in quieter surroundings

Prevents fuel leakage, keeps site free from hazard

Aids seamless, interruption-free operation of the generator

Lifting beam facilitates vertical lifting and placing in tight spaces

Suitable for offshore service applications

Prevents fire and ingress of foreign matter

Prevents unauthorised access without loss of monitoring

Protects generator set from electrical and mechanical damage, helps identify and rectify faults before they occur

## Fully-engineered power rental

Whether you have an existing project that needs more power, require a complete turn-key package or need power quickly to get your operations up and running, we will design a reliable, cost-effective power package tailored specifically to match your needs. We do the calculations, design the equipment set-up, deliver, install and commission it, then we take care of its operation, maintenance and fuel supply, leaving you free to concentrate on your business – whatever industry you're in.

## Full range of power equipment

### GENERATOR SETS

- 20 kVA to 1500 kVA in single units
- Diesel and gas fueled

### LOADBANKS

- 100 kVA to 6 MVA capacity
- Resistive and inductive AC loadbanks
- DC loadbanks up to 500 V/1500 A

### OTHER ANCILLARIES

- Electrical distribution boards
- Synchronising panel
- Changeover panel



### TRANSFORMERS

- 630 kVA to 6.3 MVA in single units
- HV step-up capability above 25 kV
- Over current and short circuit protection

### CABLES

- Single or multi-core
- High current carrying capacity
- Resistant to abrasion, fuel, oil and water

### FUEL TANKS

- Capacities up to 68,000 litres
- Fully bunded to prevent leaks and hazards





Power **how** you need it,  
**when** you need it, **where** you need it.

