

GLOBAL POWER SOLUTIONS

DELIVERING POWER, DELIVERING CONFIDENCE

TOWNSVILLE - BRISBANE - PERTH

10KVA GP12000SE

10kVA Prime / 10.6kVA Standby

Comprehensive Specification Sheet
Electrical and Mechanical Data



hi-EARNS

1ph

GP12000SE

10kVA Prime / 10.6kVA Standby / Single Phase

FEATURES & BENEFITS

- 10.6kVA standby power at 240 @ 50Hz 3000rpm
- High-quality and reliable Single Cylinder 766cc Hiearns diesel engine
- Ideal for home and business applications
- Silent canopy which can stand outside with lockable doors
- Automatic changeover (ATS), maintenance free batteries and trickle charger OPTIONAL
- H-specification insulation, brushless alternator with AVR provides stable output
- High-temperature and oil pressure sensor to protect against engine damage
- Easy to use digital controller with auto/manual start options
- All sets undergo a comprehensive testing/pre-delivery inspection prior to delivery
- Peace of mind of earlier of 12 Month/500 hour warranty



CANOPY

- Ventilation parts are designed with modular principles
- Weather resistant and lined with sound reducing foam
- Galvanised steel canopy - painted with powder paint
- Panel window
- Lockable doors on each side
- Easy maintenance and operation
- Easy lifting and moving
- Thermally insulated engine exhaust system
- Exterior emergency stop push button
- Sound attenuated

CONTROL SYSTEM

Control supervision and protection panel is mounted on the genset base frame. The control panel is equipped as follows:

CHASSIS

- The complete generator set on wheels
- Steel chassis and anti-vibration pads for engine and alternator
- The generator can be lifted or carefully pushed/pulled by the base frame

METERING VIA LCD DISPLAY

- Mains volts (L-L/L-N)
- Generator amps (L1, L2, L3)
- Generator frequency; generator (cos)
- Engine hours run; plant battery (volts)

Overview

Standby power	10.6 kVA - 8.5KW
Prime power	10kVA - 8KW
Phase	Single
Dry weight	240kg
Length	1070mm
Width	750mm
Height	885mm
Fuel tank capacity	30L

AUTOMATIC SHUTDOWN AND FAULT CONDITIONS

- Low oil pressure; charge

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TECHNICAL SPECIFICATIONS

*All ratings are quoted at maximum ratings at sea level and derating will be applicable for altitude and power factor.

Engine

Engine make	HiEarns
Engine model	HR688FG
Displacement	698CC
Cylinder bore/Stroke	105mm x 188mm
Fuel system	Mechanical
Governor	Mechanical
Cylinders	1 Cylinder – Air Cooled
Engine output power (3000rpm)	11kW
Turbocharged/normally aspirated	Natural
Cycle	Single Cylinder – 4 stroke
Combustion system	Injection
Compression ratio	-
Fuel tank capacity	30l
Fuel consumption 100%	3 l/h *
Fuel consumption 75%	2.5 l/h *
Fuel consumption 50%	2l/h *
Fuel consumption 25%	1.8 l/h *
Oil type	15W40
Engine oil capacity	1.9l
Cooling method	Air
Coolant capacity	N/A
Starter	12v DC starter charge rectifier
Engine speed	3000rpm
Filters	Replaceable fuel filter/oil filter/dry element air filter
Battery	Maintenance-free battery including rack and cables
Silencer	Exhaust silencer

Alternator

Alternator	Dingol
Standby power output	10.6VA
Prime power output	10kVA
Insulation class	Class-H with circuit breaker protection
Type	Brush
Phase and connection	1 phase
AVR	Included
AVR model	SX460
Voltage regulation	± 1%
Voltage	240
Rated frequency	50Hz
Voltage regulate change	≤ ±10% UN
Phase change rate	± 1%
Power factor	0.8φ
Protection class	IP23 standard/screen protected/drip-proof
Stator	2/3 pitch
Rotor	Single bearing
Excitation	Self-exciting
Regulation	Self-regulating

General

Structure type	Silent weather resistant enclosure
Dimensions Length x Width x Height	1070mm x 750mm x 885mm
Dry weight	240kg
ATS unit included	Optional
Four-way protection system included	Included