

POWER YOUR FUTURE

GAS Generator

27,5 KVA (23 KW)

Prime Power: 23,5 KVA

GENERATING POWER SOLUTIONS



Increased availability for new operations

Reliable, robust and versatile generator.
Ready to deliver power for a next job.

Increased uptime during operations

Once installed on the end-user-site, the generator will be ready to run: "peace of mind" operation.

Reduced service & maintenance costs

Longer service intervals.
Quicker and more efficient service jobs.

GAZ series

Technical Data

| Model | GAZ-23 | |
|----------------------------|---------|---------------|
| Rated power LPG | KW | 23 KW |
| Rated power NG | KW | 22 KW |
| Rated voltage line to line | V | 230/400 Volts |
| Rated current LPG | A | 95,7 |
| Rated current NG | A | 87 |
| Maximun sound level | dB(@7m) | 70 |

Engine

| | | |
|---------------------------|--------------------|------------|
| Model | PD4700D1 | |
| aspiration | natural aspiration | |
| ignition system | EMC ignition | |
| No. cylinders | 4 | |
| Displacement | cc | 1216 cc |
| Bore*Stroke | mm | L4 70 x 79 |
| Compression ratio | 9,5:1 | |
| Rated speed | r/min | 3000 |
| Rated net power(with fan) | Kw | 27 |
| ignition system | transistor | |
| Governor type | electronic | |
| Start Motor | V | 12 0,8 KW |
| rotary oil filter | yes | |
| battery start | 52 A | |
| low oil pressure shutdown | yes | |
| electric start | yes | |

Exhaust System

| | | |
|-------------------|-----|----|
| Exhaust gas temp | °C | 89 |
| Max back pressure | kPa | 10 |

Air Intake System

Alternator

| | | |
|--------------------|------------------------|-----------|
| Model | javac | 8 KW |
| Power factor | 0,9 | |
| Phase | three | |
| Voltage | V | 400 volts |
| volt reg system | AVR | |
| Wiring Type | 3 Phase 3 wire, Y type | |
| Bearing | 1 | |
| Power factor | 0,8 | |
| Frequency | Hz | 50 |
| Prime power | KVA | 10 |
| Exciter Type | brush | |
| Voltage regulation | % | ±0.5 |
| Protection Grade | IP 23 | |
| Insulation grade | F | |
| Altitude | m | ≤1000 |

Controller

| | |
|-------|--------|
| Model | HSC940 |
|-------|--------|

Protective functions:

- Low oil pressure
- High water temperature
- High/low voltage
- High Engine Temperature and Overspeed.
- Voltage regulator frequency regulator
- Emergency stop
- Start failure
- alternator voltage detection



| | | |
|------------------------|--------|---|
| Max intake restriction | kPa | / |
| Consumption | m³/min | / |
| Air flow | m³/min | / |

Fuel System

| | | |
|--------------------|--------|-----------|
| NG consumption | m³/hr | 7,52 |
| LPG consumption | kgr/hr | 9,4 |
| NG pressure range | Kpa | 1,3 - 2,7 |
| LPG pressure range | Kpa | 1,7 - 2,7 |

Lubrication System

| | | |
|---------------------------|-------|-----|
| Total system oil capacity | L | 3,5 |
| Oil consumption | g/kwh | ≤3 |
| Min oil pressure | MPa | 1,2 |
| (continuous operation) | | |

Cooling System

| | | |
|--------------------------|----|----------------|
| cooling system | | liquid cooling |
| Thermostat | °C | 85-92 |
| Max top tank temperature | °C | 60 C |

Standard Features

| | |
|--|--------|
| Radiator 50°C max,fans are driven by be | ● |
| 12 V charge alternator | ● |
| Alternator: single bearing alternator IP23 | ● |
| low oil pressure shut down, | ● |
| Standard auto control system | ● |
| One set of air filter, fuel filter, oil filter | ○ |
| Main line circuit breaker/MCCB | ● |
| Base fuel tank | option |
| one 12V batteries, rac and cable | ● |
| Exhaust system(Ripple flex exhaust pipe | ● |
| exhaust siphon, flange, muffler | ● |
| User manual | ● |

Options

| | |
|-------------------------------|---|
| Battery charge | ○ |
| Engine heater | ○ |
| Alternator heater | ○ |
| PMG | ○ |
| Water oil separator | ○ |
| Daily fuel tank | ○ |
| Remote control panel | ○ |
| Automatic transfer switch/ATS | ○ |
| Switch box | ○ |

Warranty*

Engine

12 months from date of purchase and 1000 hours.

Generator

12 months from date of purchase or 1000 hours
(whichever occurs first).



Control Module Options



- Auto generator control module
- Control module with " Three Remote Control" functions
- ATS auto load transfer screen
- Synchronising control modules
- Power output cabinet

dimensions & info

| | | |
|--------------------------------|-------|---------------------|
| including packing | LxWxH | 1350x825x940 |
| nuit dimension | LxWxH | 1350x880x1100 |
| nett weight | kg | 422 |
| gross weight | kg | 462 |
| noise at 7 meter | dBa | 70 |
| sound insulation | | dobbel metal plate |
| soundproef material | | soundproof cottor |
| enclosed muffler | | yes |
| canopy coating: powder coating | | |
| protection levell | | IP 23 |
| emergency stop switch | | yes |
| fuel solenoid valve | | dual solenoid valve |

voltage steady

| | |
|-----------------------------|---------------------|
| type | electron |
| sensing | single |
| material of alternator | red electrolyse cup |
| type of alternator | synchronous |
| controller location | beside alternator |
| governor | mechanical |
| frequency regulation | synchronism |
| steady frequency adjustment | ± 2.5% |

