



Genset Model:

**PG60RS**

Enclosed set



Open set



Frequency

Phases

Power Factor

Prime Output

Standby Output

50Hz

3

0.8

60 kVA / 48 kW

66 kVA / 53 kW

### Ratings

- Prime output: This rating is applicable for supplying continuous electrical power at variable load. There is no limitation to the annual hours of operation and this model can supply 10% overload power for 1 hour in 12 hours.
- Standby output: This rating is applicable for supplying electrical power (at variable load) in the event of a utility power failure. No overload is permitted on these ratings.
- Standard reference conditions: 25°C, 100m A.S.L., 30% relative humidity

### Design features

- High quality assembly, providing stiffness and low vibration
- Power coated steel. Corrosion and scratch resistant.
- Compact and long service life
- Wiring and connectors with double protection.
- Protection guards in radiator and high voltage parts.
- Full 12 month YorPower warranty

### Design Standards

- CE marking
- ISO8528-1995
- GB/T2820-1997
- ISO 9001:2008 Registered Company

### Configuration

- 4-Stroke water-cooled diesel engine.
- Industrial silencer.
- Coolant recovery tank
- Single bearing, 4 pole brushless alternator.
- Anti vibration mountings
- Integral fuel tank with fully banded base protection.
- Fuel level sensor
- Auto start control system with electronic digital control module DSE7420
- Output circuit breaker.
- Emergency stop button
- High engine temperature and low oil pressure shutdown system.
- 12V starter battery with leads and switch

### Acoustic canopy features

- Water and dust proof design
- Door locks
- High quality sound absorbing and fire retardant inner material
- Lifting lugs
- Forklift holes in base

\*\* The images above are for illustration purposes only.

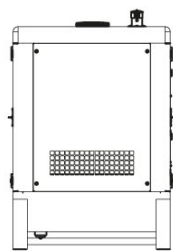
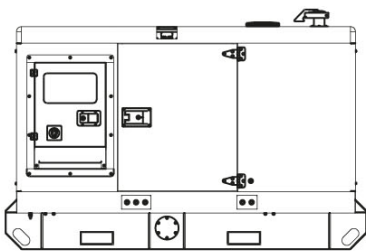
## Engine data

|                     |                  |                                |                          |
|---------------------|------------------|--------------------------------|--------------------------|
| Engine brand        | Perkins          | Total coolant capacity         | 10.2 Litres              |
| Engine model        | 1103A-33TG2      | Total lube oil capacity        | 8.3 Litres               |
| Engine speed        | 1500 RPM         | Cooling air flow               | 89 m <sup>3</sup> /min   |
| Number of cylinders | 3                | Exhaust gas flow               | 10.4 m <sup>3</sup> /min |
| Aspiration          | Turbocharged     | Exhaust gas temperature        | 571°C                    |
| Combustion system   | Direct injection | Fuel cons. @ 110% standby load | 15.4 l/hr                |
| Displacement        | 3.3 Litres       | Fuel cons. @ 100% Prime load   | 13.9 l/hr                |
| Governor type       | Mechanical       | Fuel cons. @ 75% Prime load    | 10.4 l/hr                |
| Cooling system      | Water Cooled     | Fuel cons. @ 50% Prime load    | 7.2 l/hr                 |

## Alternator data

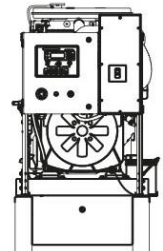
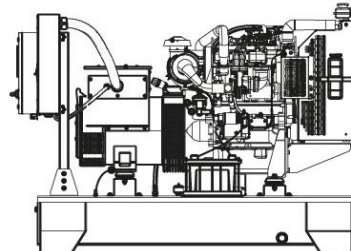
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|-----------------------|--------------|---------------------------|----------------------------|
| Alternator brand      | Leroy Somer  | Number of wires           | 12 re-connectable          |
| Alternator model      | LSA42.3L9    | AVR model                 | R 220                      |
| Excitation            | Self excited | Voltage regulation        | ± 0.5%                     |
| Insulation class      | H            | Total Harmonic distortion | No load < 3%, on load < 2% |
| Drip proof protection | IP23         | Telephone interference    | TIF < 50%                  |
| Winding pitch         | 2/3 (wdg 6)  | Flanges and shield        | Aluminium                  |

## Enclosed set data



| L x W x H (mm)     | Weight  | Fuel tank  | Noise@7M |
|--------------------|---------|------------|----------|
| 2338 x 1080 x 1551 | 1311 kg | 180 Litres | 69db     |

## Open set data



| L x W x H (mm)    | Weight | Fuel tank  | Noise@7M |
|-------------------|--------|------------|----------|
| 1904 x 798 x 1384 | 945 kg | 220 Litres | 95db     |

\*\* Due to constant innovation, design and specifications are subject to change without notice.