

Genset  
Model: **YXP20RSC**

Enclosed set



Open set



| Frequency | Phases | Power factor | Prime output   | Standby output |
|-----------|--------|--------------|----------------|----------------|
| 50Hz      | 3      | 0.8          | 20 kVA / 16 kW | 23 kVA / 18 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.
- Powder 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 bounded 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.

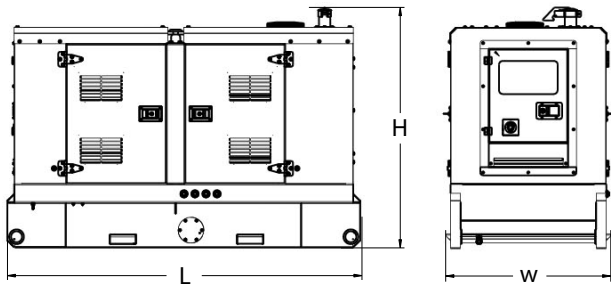
## Engine data

|                     |                    |                                |                          |
|---------------------|--------------------|--------------------------------|--------------------------|
| Engine brand        | Perkins            | Total coolant capacity         | 7.0 Litres               |
| Engine model        | 404D-22G           | Total lub oil capacity         | 10.6 Litres              |
| Engine Speed        | 1500 RPM           | Cooling air flow               | 29.4 m <sup>3</sup> /min |
| Number of cylinders | 4                  | Exhaust gas flow               | 3.64 m <sup>3</sup> /min |
| Aspiration          | Natural            | Exhaust gas temperature        | 490 °C                   |
| Combustion system   | Indirect injection | Fuel cons. @ 100% Standby load | 6.9 l/hr                 |
| Displacement        | 2.216 Litres       | Fuel cons. @ 100% Prime load   | 6.2 l/hr                 |
| Governor type       | Mechanical         | Fuel cons. @ 75% Prime load    | 4.8 l/hr                 |
| Cooling system      | Water cooled       | Fuel cons. @ 50% Prime load    | 3.5 l/hr                 |

## Alternator data

|                       |              |                           |                            |
|-----------------------|--------------|---------------------------|----------------------------|
| Alternator brand      | Leroy Somer  | Number of wires           | 12 re-connectable          |
| Alternator model      | LSA40.M5     | 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                  |

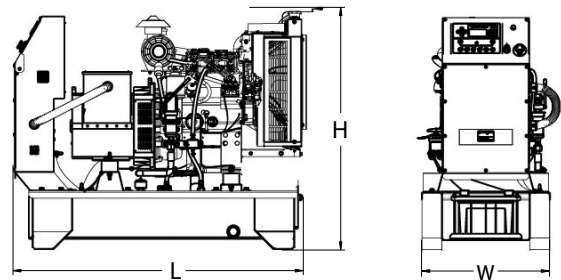
## Enclosed set data



L x W x H (mm)    Weight    Fuel tank    Noise@7m

2142 x 830 x 1370    1023 kg    100 Litres    64 db

## Open set data



L x W x H (mm)    Weight    Fuel tank    Noise@7m

1558 x 600 x 1215    566 kg    90 Litres    95 db

\*\* Due to constant innovation, design and specifications are subject to change without notice. All weights, dimensions and noise levels are subject to a 10% tolerance.

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