

Model: **YXP20RS**

Enclosed set



Open set



Frequency	Phases	Power Factor	Prime Output	Standby Output
50Hz	3	0.8	20 kVA / 16 kW	22 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
- 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 9001:2015 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
- 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

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

## Engine data

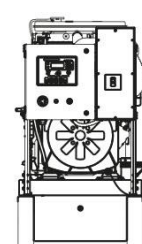
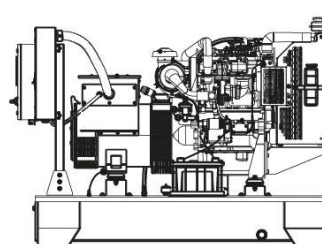
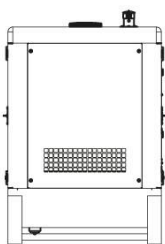
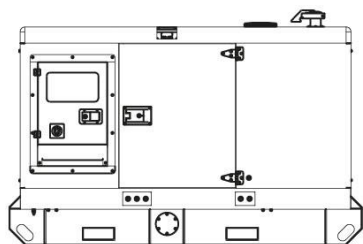
Engine brand	Perkins	Total coolant capacity	7.0 Litres
Engine model	404A-22G1	Total lube oil capacity	10.6 Litres
Engine speed	1500 RPM	Cooling air flow	29.4 m <sup>3</sup> /min
Number of cylinders	4	Exhaust gas flow	3.64 m <sup>3</sup> /min
Aspiration	Natural	Exhaust gas temperature	490°C
Combustion system	Indirect injection	Fuel cons. @ 110% standby load	6.1 l/hr
Displacement	2.216 Litres	Fuel cons. @ 100% Prime load	5.3 l/hr
Governor type	Mechanical	Fuel cons. @ 75% Prime load	4.0 l/hr
Cooling system	Water Cooled	Fuel cons. @ 50% Prime load	2.9 l/hr

## Alternator data

Alternator brand	Leroy Somer	Number of wires	12 re-connectable
Alternator model	LSA40M5	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

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L x W x H (mm)	Weight	Fuel tank	Noise@7M
2142 x 865 x 1370	940 kg	100 Litres	64 db

L x W x H (mm)	Weight	Fuel tank	Noise@7M
1558 x 600 x 1215	543 kg	90 Litres	95db

\*\* Due to constant innovation, design and specifications are subject to change without notice, All YorPower Products are supplied from the UK.