

Genset  
Model:

## YXP650RSC

Enclosed set



Open set



Frequency	Phases	Power Factor	Prime Output	Standby Output
50Hz	3	0.8	650 kVA / 520 kW	722 kVA / 578 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 bunded 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.
- 24V 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

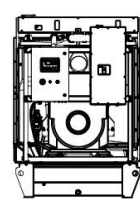
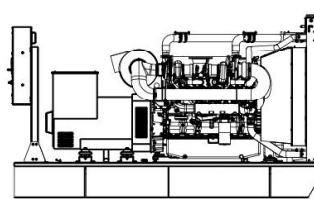
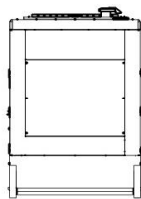
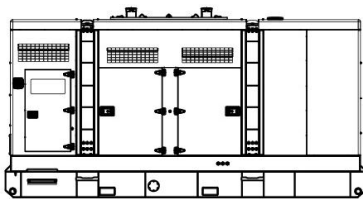
Engine brand	Perkins	Total coolant capacity	61 Litres
Engine model	2806A-E18TAG2	Total lube oil capacity	62 Litres
Engine speed	1500 RPM	Cooling air flow	702 m <sup>3</sup> /min
Number of cylinders	6	Exhaust gas flow	114 m <sup>3</sup> /min
Aspiration	Turbocharged & Aftercooled	Exhaust gas temperature	553°C
Combustion system	Direct injection	Fuel cons. @ 110% standby load	143 l/hr
Displacement	18.1 Litres	Fuel cons. @ 100% Prime load	132 l/hr
Governor type	Electronic	Fuel cons. @ 75% Prime load	97 l/hr
Cooling system	Water Cooled	Fuel cons. @ 50% Prime load	66 l/hr

## Alternator data

Alternator brand	Leroy Somer	Number of wires	6
Alternator model	LSA49.3S4A	AVR model	R 450
Excitation	AREP or PMG	Voltage regulation	± 0.5%
Insulation class	H	Total Harmonic distortion	< 4%
Drip proof protection	IP23	Telephone interference	TIF < 50%
Winding pitch	2/3 (N° 6S)	Flanges and shield	Cast Iron

## Enclosed set data

## Open set data



L x W x H (mm)	Weight	Fuel tank	Noise@7M
4692 x 1700 x 2487	6381 kg	945 Litres	76db

L x W x H (mm)	Weight	Fuel tank	Noise@7M
3650 x 1420 x 2300	4782 kg	1200 Litres	109db

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

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