

Genset  
Model:

## YIV100RSC

Enclosed set

Open set



Frequency	Phases	Power Factor	Prime Output	Standby Output
50Hz	3	0.8	100 kVA / 80 kW	110 kVA / 88 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 DSE6010
- 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

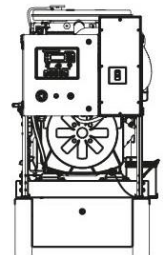
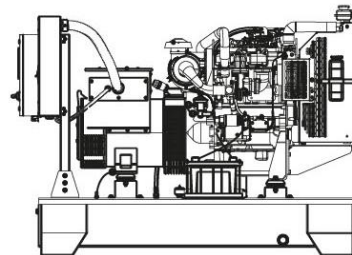
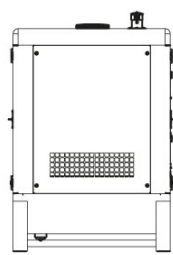
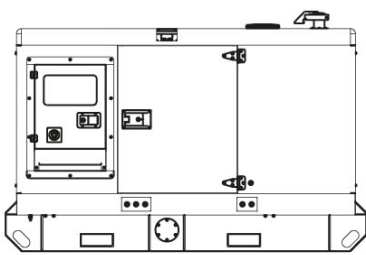
Engine brand	Volvo	Total oil consumption	0.41 %
Engine model	TAD531GE	Total lube oil capacity	13 Litres
Engine speed	1500 RPM	Cooling air flow	7200 m³/h
Number of cylinders	4	Exhaust gas flow	1002 m³/h
Aspiration	Natural	Exhaust gas temperature	544 °C
Combustion system	Direct injection		
Displacement	3.3 Litres	Fuel cons. @ 100% Prime load	23 l/hr
Governor type	Mechanical	Fuel cons. @ 75% Prime load	17 l/hr
Cooling system	Water Cooled	Fuel cons. @ 50% Prime load	12 l/hr

## Alternator data

Alternator brand	Meccalte	Number of wires	12 re-connectable
Alternator model	ECP34-2S/4	No. Poles	4
Excitation	Self excited	Voltage regulator	DSR
Insulation class	H	Efficiency Alt 3/4 %	92.50
Drip proof protection	IP23	Efficiency Alt 4/4 %	92.20
Winding pitch	2/3 (wdg 6)	Flanges and shield	Aluminium

## Enclosed set data

## Open set data



L x W x H (mm)	Weight	Fuel tank	Noise@7M
2950 x 1100 x 1759	TBA	220 Litres	70dBA

L x W x H (mm)	Weight	Fuel tank	Noise@7M
2050 x 930 x 1827	1300Kgs	212 Litres	N/A

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

**YORPOWER**

**Tel: +44 (0) 1977 688155**  
**Fax: +44 (0) 1977 688158**

YorPower Ltd. | Unit 2 Hurricane Close | Sherburn in Elmet | LS25 6PB | United Kingdom  
 E-mail | [sales@yorpower.com](mailto:sales@yorpower.com) | Web | [www.yorpower.com](http://www.yorpower.com)  
 Registered in England and Wales No. 7035780

