

Genset  
Model:

## YIV500RSC

Enclosed set

Open set



Frequency	Phases	Power Factor	Prime Output	Standby Output
50Hz	3	0.8	500 kVA / 400 kW	550 kVA / 440 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 DSE7310
- 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

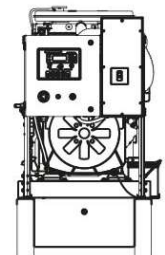
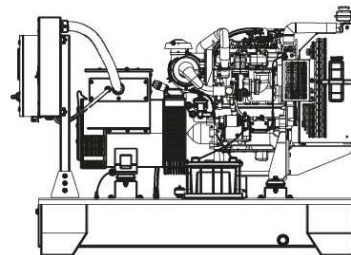
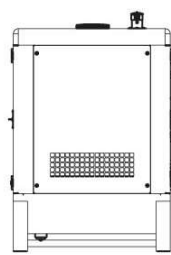
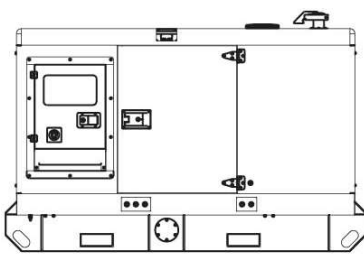
Engine brand	Volvo	Total oil consumption	0.10%
Engine model	TAD1641GE	Total lube oil capacity	42 Litres
Engine speed	1500 RPM	Cooling air flow	36360 m³/h
Number of cylinders	6	Exhaust gas flow	5100 m³/h
Aspiration	Natural	Exhaust gas temperature	443 °C
Combustion system	Direct injection		
Displacement	3.3 Litres	Fuel cons. @ 100% Prime load	102 l/hr
Governor type	Electronic	Fuel cons. @ 75% Prime load	77 l/hr
Cooling system	Liquid	Fuel cons. @ 50% Prime load	52 l/hr

## Alternator data

Alternator brand	Meccalte	Number of wires	12 re-connectable
Alternator model	ECO40-3SN/4	No. Poles	4
Excitation	Self excited	Voltage regulator	DER-1
Insulation class	H	Efficiency Alt 3/4 %	94.80
Drip proof protection	IP23	Efficiency Alt 4/4 %	94.60
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
4860 x 2060 x 2630	4660Kgs	1000Ltrs	75dBA

L x W x H (mm)	Weight	Fuel tank	Noise@7M
3490 x 1300 x 2097	TBA	558 Litres	N/A

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

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