

Genset
Model:

YIV450RSC

Enclosed set

Open set



Frequency	Phases	Power Factor	Prime Output	Standby Output
50Hz	3	0.8	450 kVA / 360 kW	500 kVA / 400 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

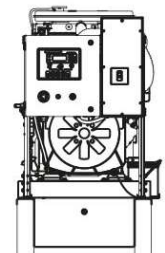
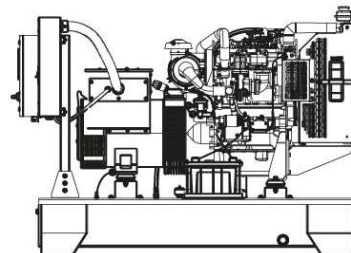
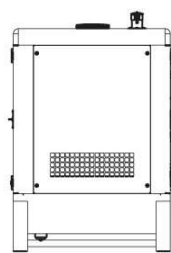
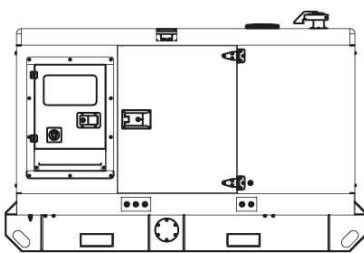
Engine brand	Volvo	Total oil consumption	0.04%
Engine model	TAD1345GE	Total lube oil capacity	36 Litres
Engine speed	1500 RPM	Cooling air flow	24120 m³/h
Number of cylinders	6	Exhaust gas flow	4620 m³/h
Aspiration	Natural	Exhaust gas temperature	477 °C
Combustion system	Direct injection		
Displacement	3.3 Litres	Fuel cons. @ 100% Prime load	92 l/hr
Governor type	Electronic	Fuel cons. @ 75% Prime load	69 l/hr
Cooling system	Liquid	Fuel cons. @ 50% Prime load	47 l/hr

Alternator data

Alternator brand	Meccalte	Number of wires	12 re-connectable
Alternator model	ECO40-2SN/4	No. Poles	4
Excitation	Self excited	Voltage regulator	DER-1
Insulation class	H	Efficiency Alt 3/4 %	94.60
Drip proof protection	IP23	Efficiency Alt 4/4 %	94.40
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
4200 x 1600 x 2145	4660Kgs	534 Litres	72dBA

L x W x H (mm)	Weight	Fuel tank	Noise@7M
3000 x 1200 x 2111	3180Kgs	558 Litres	N/A

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

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