

# POWER YOUR FUTURE

## Ricardo Generator ECO-50

Prime Power: 40KW/50KVA

Standby Power: 44KW/55KVA



### GENERATING POWER SOLUTIONS

#### Increased availability for new operations

Reliable, robust and versatile generator.  
Ready to deliver power for a next job.

#### Increased uptime during operations

Once installed on the end-user-site, the generator will be ready to run: "peace of mind" operation.

#### Reduced transport and installation costs

The compact and robust design with integrated transport features enables faster and safer transport and installation.

#### Reduced service & maintenance costs

Longer service intervals.  
Quicker and more efficient service jobs.

#### Premium resale value

Designed and built to last.

#### SAFETY

- Operate safely in accordance with proper operation manual.
- To prevent trouble and accidents, perform daily and preventive maintenance checks without fail.

### Technical Data

Model		ECO-50
Rated prime power	kva	50
Rated standard power	kva	55
Rated voltage line to line	V	400/230
Rated current	A	72
Maximun sound level	dB(@7m)	≤85

#### Engine-Ricardo

### Alternator

Model	STAMFORD	UCI224D
Phase		3
Voltage	V	400/230
Wiring Type	3 Phase 4 wire, Y type	
Bearing		1
Power factor		0,8

Model		N4105ZDS
Air intake system		Turbocharged
Fuel injection system		Direct Inject
No. cylinders		4
Displacement	Liquid	4,15
Bore*Stroke	mm	105*125
Compression ratio		17
Rated speed	r/min	1500
Rated net power(with fan)	Kw	56
Governor type		Mechanical
Start Motor	V	24

### Exhaust System

Exhaust gas flow	m³/min	/
Exhaust gas temp	°C	/
Max back pressure	kPa	10

### Air Intake System

Max intake restriction	kPa	/
Consumption	m³/min	/
Air flow	m³/min	/

### Fuel System

100% load(Prime power)	L/h	6,3
75% load(Prime power)	L/h	4,1
50% load(Prime power)	L/h	2,9
Fuel tank capacity	L	125

### Lubrication System

Total system oil capacity	L	13
Oil consumption	g/kwh	≤4
Min oil pressure	MPa	0.2-0.4
(continuous operation)		

### Cooling System

Total coolant capacity	L	19
Thermostat	°C	85-92
Max top tank temperature	°C	104

### Standard Features

- Engine(Ricardo Steyr)
- Radiator 50°C max,fans are driven by be
- 24V charge alternator
- Alternator: single bearing alternator IP23, insulation class H/H
- Standard auto control system
- One set of air filter, fuel filter, oil filter
- Main line circuit breaker/MCCB
- Base fuel tank
- Two 12V batteries, rac and cable
- Exhaust system(Ripple flex exhaust pipe, exhaust siphon, flange, muffler

Frequency	Hz	50
Prime power	KVA	50
Exciter Type	Brushless, self-excitation	
Voltage regulation	%	±0.5
Protection Grade	IP 23	
Insulation grade	H/H	
Altitude	m	≤1000

### Controller-DEESEA

Model	DSE6120
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Protective functions:

- Low oil pressure
- High water temperature
- High/low voltage
- High Engine Temperature and Overspeed.
- Voltage regulator frequency regulator
- Emergency stop
- Start failure

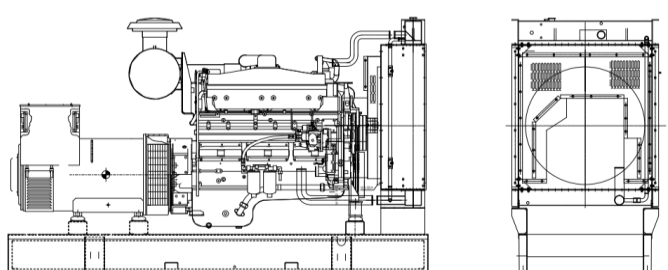


### Control Module Options



- Auto generator control module
- Control module with " Three Remote Control " functions
- ATS auto load transfer screen
- Synchronising control modules
- Power output cabinet

### Unit Dimensions(Basic unit)

		
<b>Open Type</b>		
L*W*H	mm	1900*800*1230

Options

- Battery charge

Engine heater

Alternator heater

PMG

Water oil separator

Daily fuel tank

Remote control panel

Automatic transfer switch/ATS

Switch box

Standard: ●

Options:○
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Warranty\*

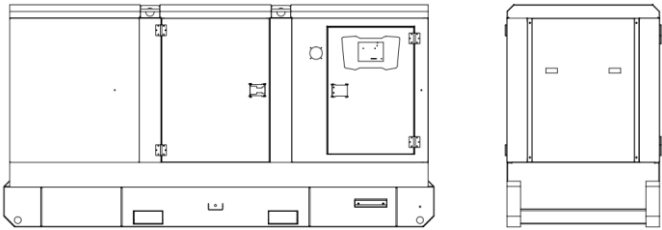
Ricardo Steyr Engine

12 months from date of purchase and 1000 hours.

Generator

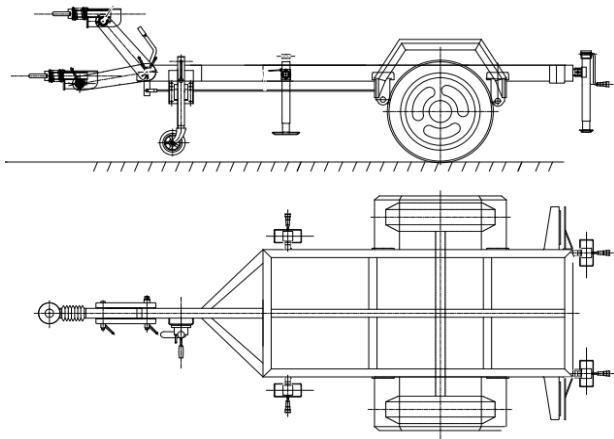
12 months from date of purchase or 1000 hours  
(whichever occurs first).

Weight	kg	840
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Silent Type

L*W*H	mm	2220*960*1200
Weight	kg	1030



Trailer Option

L*W*H	mm	3400*1750*950
Max loading weight	kg	1300