

POWER YOUR FUTURE

Ricardo Generator ECO-100

Prime Power: 80KW/100KVA

Standby Power: 88KW/110KVA



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		LG80KF
Rated prime power	kva	100
Rated standard power	kva	110
Rated voltage line to line	V	400/230
Rated current	A	162
Maximun sound level	dB(@7m)	≤85

Engine-Ricardo

Model	R6105ZLDS
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Alternator

Model	STAMFORD	UCI274D
Phase		3
Voltage	V	400/230
Wiring Type		3 Phase 4 wire, Y type
Bearing		1
Power factor		0,8
Frequency	Hz	50

Air intake system	Turbo, Inter-cooled	
Fuel injection system	Direct Inject	
No. cylinders	6	
Displacement	Liquid	6,49
Bore*Stroke	mm	105*125
Compression ratio	16	
Rated speed	r/min	1500
Rated net power(with fan)	Kw	100
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	9,8
75% load(Prime power)	L/h	7,2
50% load(Prime power)	L/h	5,1
Fuel tank capacity	L	220

Lubrication System

Total system oil capacity	L	17
Oil consumption	g/kwh	≤4
Min oil pressure	MPa	0.3-0.5
(continuous operation)		

Cooling System

Total coolant capacity	L	28
Thermostat	°C	85-92
Max top tank temperature	°C	104

Standard Features

- Engine(Ricardo)
- Radiator 50°C max,fans are driven by t
- 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
- User manual

Prime power	KVA	125
Exciter Type	Brushless, self-excitation	
Voltage regulation	%	±0.5
Protection Grade	IP 23	
Insulation grade	H/H	
Altitude	m	≤1000

Controller-DEEPSEA

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

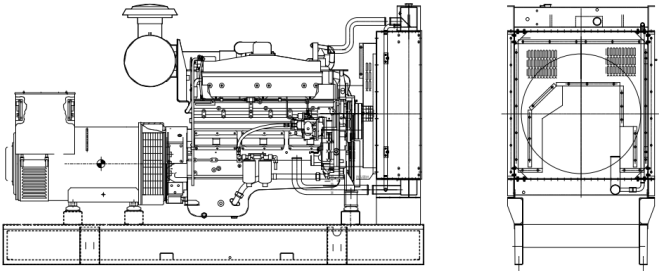


Control Module Options



- 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)

			
Open Type			
L*W*H	mm	2250*900*1450	
Weight	kg	1200	

Options

Battery charge	<input type="radio"/>
Engine heater	<input type="radio"/>
Alternator heater	<input type="radio"/>
PMG	<input type="radio"/>
Water oil separator	<input type="radio"/>
Daily fuel tank	<input type="radio"/>
Remote control panel	<input type="radio"/>
Automatic transfer switch/ATS	<input type="radio"/>
Switch box	<input type="radio"/>
Standard: ●	Options: ○

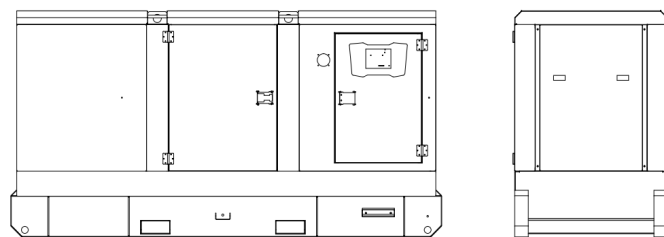
Warranty*

Ricardo Engine

12 months from date of purchase and 1000 hours.

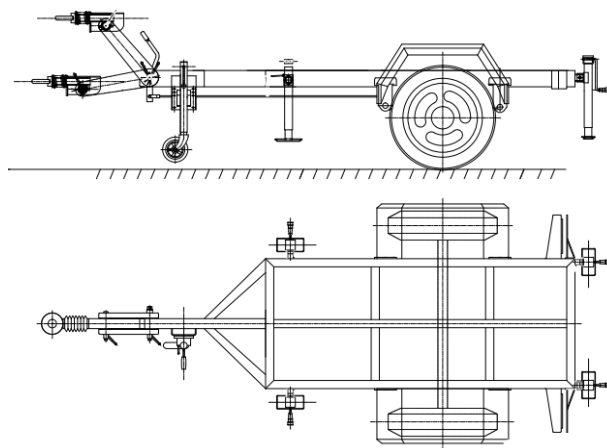
Generator

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



Silent Type

L*W*H	mm	3030*1050*1650
Weight	kg	1600



Trailer Option

L*W*H	mm	4300*1900*950
Max loading weight	kg	1700