

# POWER YOUR FUTURE

## Ricardo Generator ECO-40

Prime Power: 40KVA

Standby Power: 44 KVA



### 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.

## Ricardo Series

### Technical Data

| Model                      |         | ECO-40  |
|----------------------------|---------|---------|
| Rated prime power          | kva     | 40      |
| Rated standard power       | kva     | 44      |
| Rated voltage line to line | V       | 400/230 |
| Rated current              | A       | 54      |
| Maximun sound level        | dB(@7m) | ≤85     |

| Alternator  |       |                        |
|-------------|-------|------------------------|
| Model       | javac | 32 KW                  |
| Phase       |       | 3                      |
| Voltage     | V     | 400/230                |
| Wiring Type |       | 3 Phase 4 wire, Y type |

## Engine-Ricardo

|                           |        |               |
|---------------------------|--------|---------------|
| Model                     |        |               |
| Air intake system         |        | Natural       |
| 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     | 38            |
| 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 | 6,7 |
| 75% load(Prime power)  | L/h | 5,2 |
| 50% load(Prime power)  | L/h | 3,8 |
| Fuel tank capacity     | L   | 110 |

## 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  | 14    |
| Thermostat               | °C | 85-92 |
| Max top tank temperature | °C | 104   |

## Standard Features

- Engine(Ricardo)
- 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

|                    |     |                            |
|--------------------|-----|----------------------------|
| Bearing            |     | 1                          |
| Power factor       |     | 0,8                        |
| Frequency          | Hz  | 50                         |
| Prime power        | KVA | 38                         |
| Exciter Type       |     | Brushless, self-excitation |
| Voltage regulation | %   | ±0.5                       |
| Protection Grade   |     | IP 23                      |
| Insulation grade   |     | H/H                        |
| Altitude           | m   | ≤1000                      |

## Controller-DEEPSEA

|       |         |
|-------|---------|
| Model | DSE6120 |
|-------|---------|

Protective functions:

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

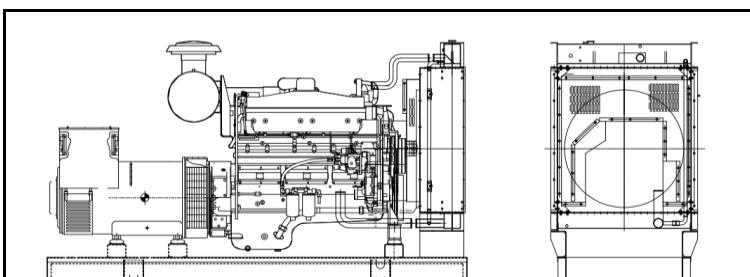


## Control Module Options



- 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)



- Base fuel tank
- Two 12V batteries, rac and cable
- Exhaust system(Ripple flex exhaust pipe, exhaust siphon, flange, muffler)
- User manual

### 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:○


### Warranty\*

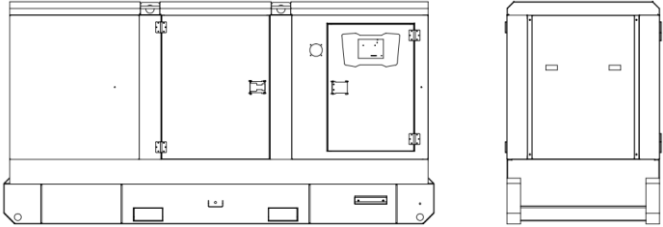
#### Ricardo Engine

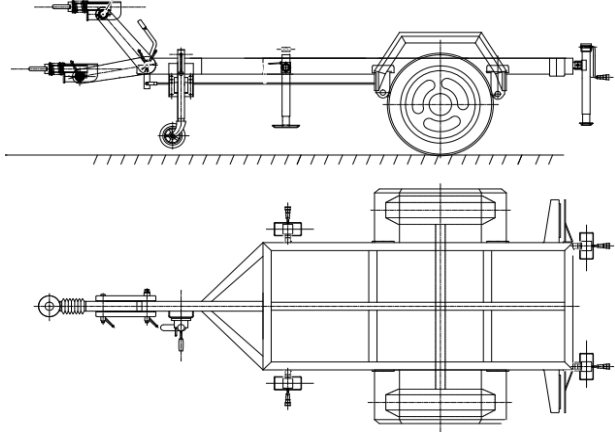
12 months from date of purchase and 1000 hours.

#### Generator

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

|  |    |               |
|--|----|---------------|
| Open Type  |    |               |
| L*W*H  | mm | 1900*800*1200 |
| Weight   | kg | 750           |

|  |    |               |
|--|----|---------------|
| Silent Type  |    |               |
| L*W*H  | mm | 2270*960*1200 |
| Weight   | kg | 1030          |

|  |    |               |
|---|----|---------------|
| Trailer Option  |    |               |
| L*W*H   | mm | 3300*1750*950 |
| Max loading weight  | kg | 1150          |