



Easy installation



Compact

The engine is cooled by a coolant loop in a closed circuit. The system consists of a heat exchanger, inside which the heat exchange between coolant and sea water takes place. Two separate pumps provide for the circulation of coolant and seawater. Air flows ensure effective cooling of the alternator.

The excellent accessibility makes maintenance operations easier, even with the generator installed in confined environments.



## Control panel

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- \_ CBU EVO IL4 device controls and drives the genset. The large display and control pushbuttons allow easy use and monitoring:
  - Manual start
  - Voltage Vac
  - Frequency Hz
  - Hour meter
  - Genset battery voltage
  - Oil low pressure alarm
  - Engine preheating
  - Engine high temperature alarm
  - Alternator battery charger failure alarm
  - Protection alarm for frequency and rpm
  - Alarm history
  - Maintenance warnings
  - General alarm outlet
  - RUN outlet
  - Ready outlet
  - Programmable AUX outlet
  
- \_ Emergency stop button
- \_ Magneto-thermal protection

## Engine

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- \_ Easy maintenance access to the feeding and lubrication systems, the sea water pump and the air filter
  
- \_ Double vibration dumping system
  
- \_ Oil drain pump



50 Hz

60 Hz

|                     |                                |             |
|---------------------|--------------------------------|-------------|
| AC alternator -     | Synchronous, 4 poles, with AVR |             |
| Cooling             | Air                            |             |
| Voltage             | 115 - 230 V                    | 120 - 240 V |
| Frequency           | 50 Hz                          | 60 Hz       |
| Amps                | 234.8 - 117.4 A                | 250 - 125 A |
| Max power           | 27 kW                          | 30 kW       |
| Continuous power    | 25 kW                          | 29 kW       |
| Power Factor        | cos $\phi$ 1                   |             |
| Insulating class    | H                              |             |
| Voltage stability   | $\pm 2\%$                      |             |
| Frequency stability | $\pm 5\%$                      |             |

The power is referred to an atmospheric pressure of 100 kPa, a humidity percentage of 30% and an ambient temperature of 25°C.

|                                    |                                   |                                   |
|------------------------------------|-----------------------------------|-----------------------------------|
| Model                              | Kubota V3300                      |                                   |
| Type                               | Diesel                            |                                   |
| Cylinder block material            | nr 4                              |                                   |
| Cylinders                          | Cast iron                         |                                   |
| Bore                               | 98 mm - 3.86 in                   |                                   |
| Stroke                             | 110 mm - 4.33 in                  |                                   |
| Displacement                       | 3318 cc - 202.48 CID              |                                   |
| Power                              | 38.8 hp - 28.54 kWm (at 1500 RPM) | 45.1 hp - 33.17 kWm (at 1800 RPM) |
| RPM                                | 1500                              | 1800                              |
| Compression ratio                  | 22.6:1                            |                                   |
| Engine head material               | Indirect injection                |                                   |
| Combustion system                  | Cast iron                         |                                   |
| Speed governor                     | Mechanical                        |                                   |
| Lubrication system                 | Forced                            |                                   |
| Oil sump capacity with filter      | 12.1 l/h - 3.41 gl/h              |                                   |
| Engine stop system                 | Electromagnet                     |                                   |
| Fuel pump                          | Electric                          |                                   |
| Max. fuel pump head                | 700 mm - 27.55 in                 |                                   |
| Fuel consumption                   | 13 l/h - 3.43 gl/h                | 14 l/h - 3.70 gl/h                |
| Air intake                         |                                   |                                   |
| Starting battery                   | 100 Ah - 12 V                     |                                   |
| Battery charger                    | 40 Ah - 12 V                      |                                   |
| Starter motor                      | 2.5 kW - 12 V                     |                                   |
| Max. inclination                   | 25°                               |                                   |
| Water pump flow                    | 35 l/min - 9.24 gl/min            | 40 l/min - 10.56 gl/min           |
| Sea water inlet pipe $\emptyset$   | 30 mm - 1.25"                     |                                   |
| Exhaust pipe $\emptyset$           | 76 mm - 3"                        |                                   |
| Input/Output fuel pipe $\emptyset$ | 8 mm - 5/16"                      |                                   |

Dimensions (L x W x H)

1260 x 640 x 826 mm - 49.6 x 25 x 32.5

Weight

640 kg - 1411 lb



|                        | Accessory   | Code   |
|------------------------|---|--------|
| Accessories on request | • Filtering kit: sea water inlet, sea water strainer, taps, fittings D.32 - ref.4 | 030906 |
|                        | • Siphon break D.32 - ref.3   | 030907 |
|                        | • Vetus muffler   | 70856  |
|                        | • Vetus silencer MP75   | 71121  |
|                        | • Centek muffler 3" - ref.5   | 71282  |
|                        | • Centek 3" water/gas exhaust separator - ref.6                                   | 71283  |
|                        | • Remote START/STOP panel with 20m cable for Comap IL4 - ref.1                    | 037561 |
|                        | • Comap IL4 remote start panel with cable - ref.2                                 | 039607 |
|                        | • Cruise KIT  | 913811 |

