

# IS 22 K



Control panel



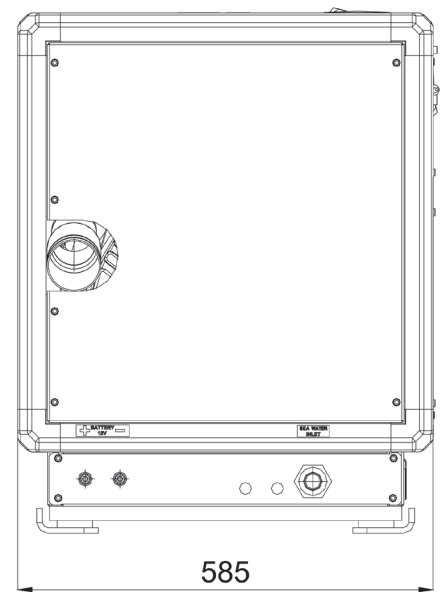
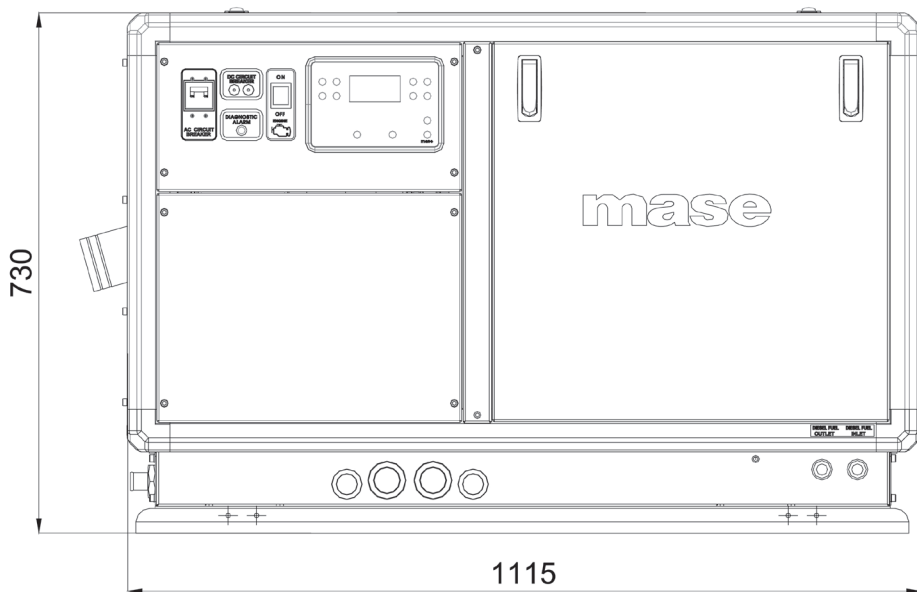
1500 rpm Kubota engine



Input/Output fuel pipe



Unit of measure: mm



We reserve the right to change data, images and drawings without notice.  
For more information, you may contact your local dealer or Mase Generators S.p.A.

**Mase Generators spa**

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**GENERATORS**  
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## Output power 22 kW single-phase

### Description

- Marine power generator
- Diesel engine 1500 rpm
- Silenced version

### AC generator - 50Hz

- Type: synchronous, 4 poles, self-excited, brushless, with AVR
- Cooling: Air/water (Intercooler W/A)
- Max. power: 22 kW
- Voltage (V): 230
- Max. current (A): 95,7
- Power factor:  $\cos \phi$  1
- Voltage stability:  $\pm 1\%$
- Frequency stability:  $\pm 2\%$

### Diesel Engine 1500 rpm

- Type: Kubota V2403 - 4 cyl. - 29,5 hp (21,9 kWm) - 2434 cm<sup>3</sup>
- Starting system: electric (12Vdc)
- Fuel consumption @ 100%: 6,1 lt/h
- Easy access in case of maintenance of feeding system, lubrication system, sea/water pump and air filter
- Safety stop in case of low oil pressure
- Safety stop in case high water temperature and high exhaust gas temperature
- Oil filter and fuel filter easy to replace
- Quick access to seawater pump

### Standard Features

- Controller with digital display for full monitoring of generator parameters: manual start, Vac voltage, frequency Hz, power, amperage, engine rpm, hourmeter, genset battery voltage, engine oil pressure, low oil pressure alarm, engine temperature, engine pre-heating, high engine temperature warning and shutdown alarm, high alternator temperature warning and shutdown alarm, alternator battery charger failure alarm, inverter failure alarm, protection alarm for Overload, short circuit, high and low voltage, high and low frequency, high and low rpm, alarms history, maintenance warning
- Other features: direct ECU communication via CAN line, possibility to disable all protections (emergency mode operation), automatic start for low battery voltage level, possibility for a Start/Stop remote switch (AUT mode), possibility to have multiple remote devices
- Emergency stop button
- Thermal and magneto-thermal protection

### Accessories on request

- Siphon break
- Filter kit
- Exhaust kit
- Separator and exhaust advice
- Remote START/STOP panel (20 mt cable)
- Remote start panel with display (20 mt cable)
- Insulated two poles kit

### Noise level

- 50 dBA @ 7mt

### Other features

- Insulation Class: H
- Ambient temperature: 40 °C (\*)
- Altitude: 1000 mt (\*)
- Mechanical Protection: IP 23
- Dimensions (L x W x H): 1115 x 585 x 730 mm
- Dry weight: 475 Kg
- Max. inclination: 30°
- Water pump flow (l/min): 20
- Cooling system: cupronickel exchanger (heat exchange between coolant liquid and sea water)
- Soundproof cabin made of extremely light marine aluminum with very high resistance to external agents

(\*) - For altitude and temperature values other than those listed above, please consult the manufacturer to verify the available power.