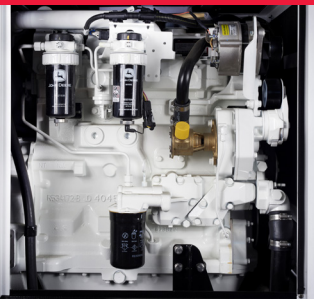


# mariner 150.6 jdts



CONTROL PANEL



JOHN DEERE ENGINE



INPUT/OUTPUT FUEL PIPE

**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 to the internal compartment makes maintenance operations easier, even with the generator installed in confined environments.



COMPACT DESIGN



EASY INSTALLATION



SUPER SILENCED



We reserve the right to modify the data, images and drawings in this document without prior notice.  
For more detailed information, please contact your local distributor or Mase Generators S.p.A.



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**mase**  
**GENERATORS**  
*Believing in change.*



## Output power 160 kVA

### CONTROL PANEL

\_ CBU EVO IL4 device controls and drives the genset. The large display and control pushbuttons allow easy use and monitoring:

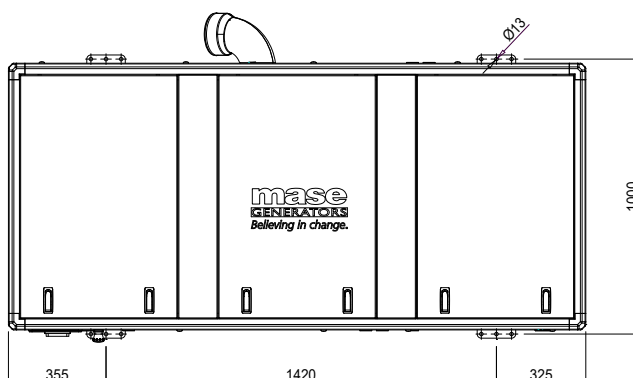
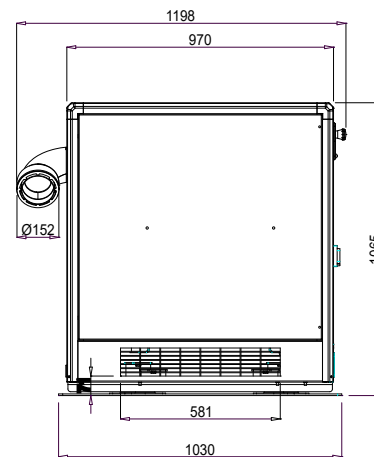
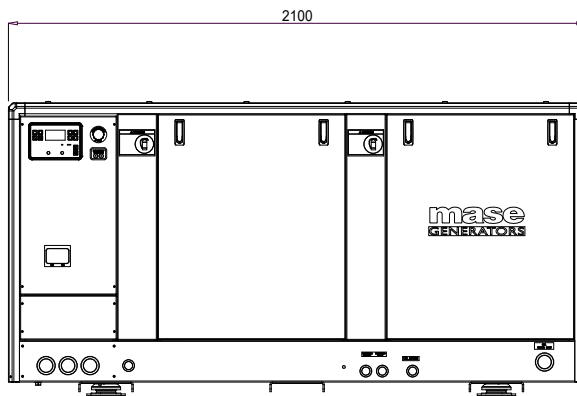
- Manual start
  - Voltage Vac
  - Frequency Hz
  - Engine rpm
  - Hour meter
  - Genset battery voltage
  - Oil pressure
  - Engine temperature
  - Power output
  - Current output
  - Oil low pressure alarm
  - Engine high temperature alarm
  - Alternator battery charger failure alarm
  - Low and high voltage alarm
  - Low and high frequency alarm
  - Low and high rpm engine
  - Alarm history
  - Maintenance warnings
- \_ Emergency stop button
- \_ Magneto-thermal protection

### ENGINE

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

### SOUNDPROOF CABIN

- \_ Made of extremely light marine aluminum with very high resistance to external agents





## Output power 160 kVA

**60 Hz**

AC alternator -	Synchronous, 4 poles, self-excited, brushless, with AVR
Cooling -	Air
Voltage -	240 - 480 V
Frequency -	60 Hz
Amps -	481.3 - 246.6 A
Max power -	205 kVA
Continuous power -	188 kVA
Power Factor -	cos $\phi$ 0.8
Insulating class -	H
Voltage stability -	$\pm 2\%$
Frequency stability -	$\pm 2\%$

The power is referred to a sea water temperature up to 31°C, an atmospheric pressure of 100 kPa, a humidity percentage of 30% and an ambient temperature of 25°C.

Model -	John Deere 4045AFM85
Type -	Diesel 4 stroke
Cylinders -	nr 4
Bore -	107 mm - 4.21 in
Stroke -	127 mm - 5 in
Displacement -	6800 cc - 414.9 CID
Power -	223 hp - 166 kWm
RPM -	1800
Compression ratio -	16.1:1
Combustion system -	Direct injection
Speed governor -	Electronic
Lubrication system -	Forced
Oil sump capacity with filter -	19 l - 5 gl
Engine stop system -	Electronic with ECU
Fuel pump -	Electric
Max. fuel pump head -	150 cm - 4.92 ft
Fuel consumption -	36.1 l/h - 95.3 gl/h
Air intake -	11.1 mc/min - 2932.31 gal lqd/min
Starting battery -	100 Ah - 24 V
Battery charger -	75 Ah - 24 V
Starter motor -	3.7 kW - 24 V
Max. inclination -	30°
Water pump flow -	160.5 l/min - 42.39 gl/min
Sea water inlet pipe $\emptyset$ -	50 mm - 1.96 in
Exhaust pipe $\emptyset$ -	122 mm - 5.98 in
Input/Output fuel pipe $\emptyset$ -	8 mm - 0.3 in

Dimensions (L x W x H) - 2100 x 970 x 1065 mm - 82.68 x 38.19 x 41.93 in (with soundproof box)

Weight - 1650 Kg - 3637 lb (with soundproof box)

Noise Level - 63 dBA at 7 mt (23 ft)



## Accessory

### ACCESSORIES ON REQUEST

1. Remote control panel START/STOP with 20 mt cable for Comap
2. Remote control panel for Comap IL4 with 20mt cable
3. Siphon break D.50
4. Filtering kit: sea water inlet, sea water strainer, taps, fittings D.50
5. Centek 6" muffler
6. Water/exhaust gas separator - 6" Centek



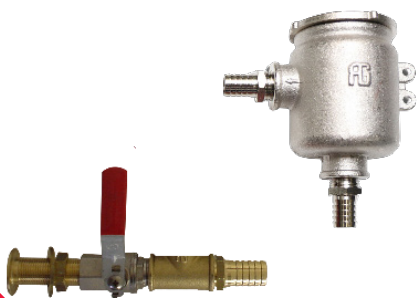
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