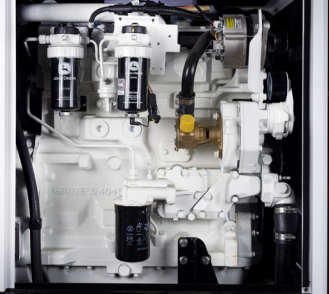


mariner 150 jdt's - 150.06 jdt's



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.

☺ Three-phase output power 160 kVA 50 Hz - 150 kVA 60 Hz

CONTROL PANEL

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

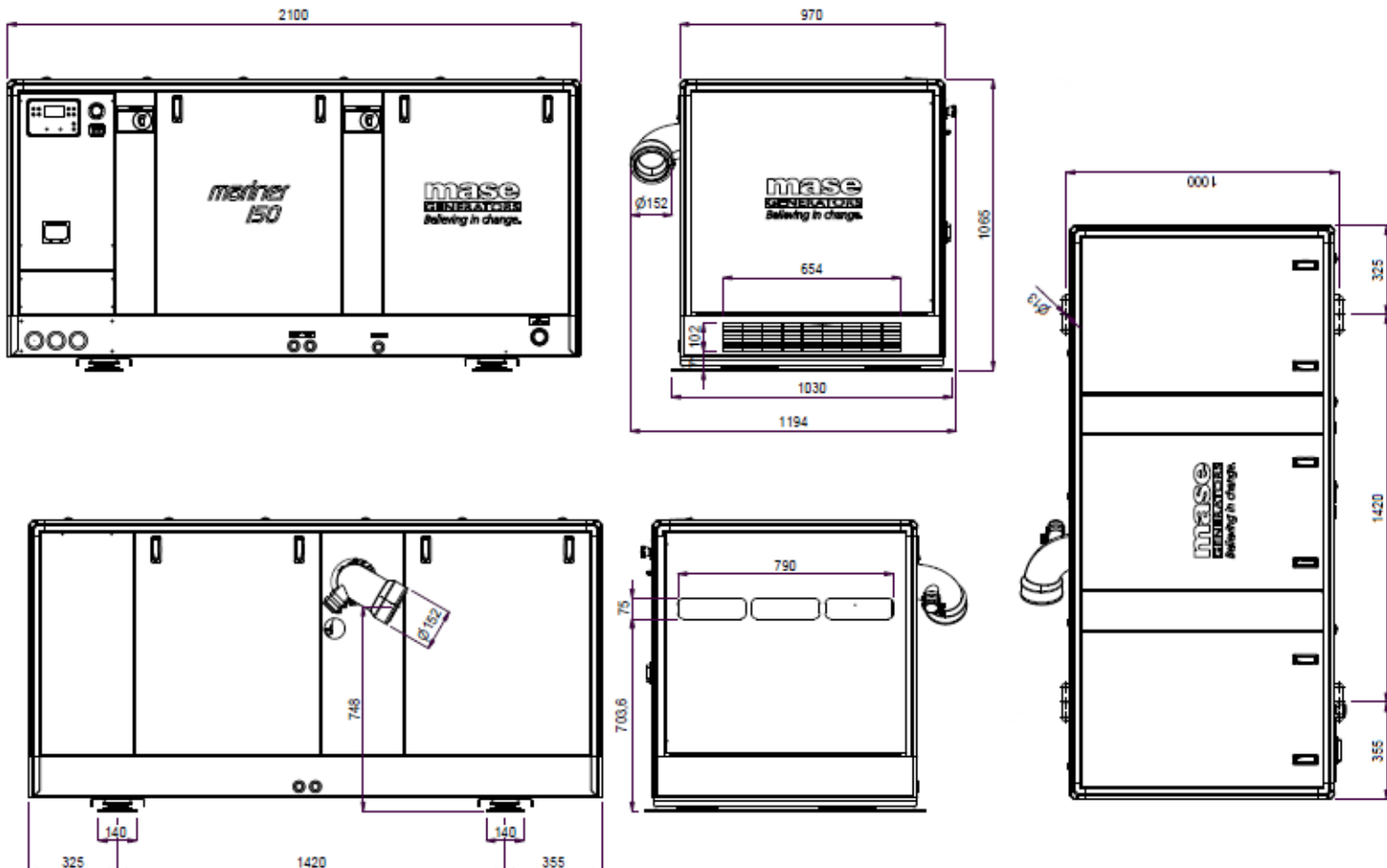
- Manual start
 - Voltage Vac
 - Frequency Hz
 - Engine rpm
 - Hour meter
 - Genset battery voltage
 - Oil pressure
 - Engine temperature
 - Power output
 - Current output
 - Oil low pressure alarm
 - Engine high temperature alarm
 - Alternator battery charger failure alarm
 - Low and high voltage alarm
 - 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



50 Hz

60 Hz

AC alternator -	Synchronous, 4 poles, with AVR	
Cooling -	Air	
Voltage -	400 V	480 V
Frequency -	50 Hz	60 Hz
Amps -	231.2 A	180.6 A
Max power -	160 kVA	150 kVA
Continuous power -	147 kVA	140 kVA
Power Factor -	cos ϕ 0.8	
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 -	John Deere 6068AFM85	
Type -	Diesel	
Cylinder block material -	Cast iron	
Cylinders -	nr 6	
Bore -	107 mm - 4.22 in	
Stroke -	127 mm - 5 in	
Displacement -	6800 cc - 414.96 CID	
Power -	173 hp - 127.26 kWm	
RPM -	1500	1800
Compression ratio	16.7:1	
Engine head material -	Cast iron	
Combustion system -	Direct injection	
Speed governor -	Electronic	
Lubrication system -	Forced	
Oil sump capacity with filter -	19 l - 5.35 gl	
Engine stop system -	Electronic	
Fuel pump -	Electric	
Max. fuel pump head -	1500 mm - 59 in	1800 mm - 70.86
Fuel consumption -	38 l/h - 10.04 gl/h	46.1 l/h - 12.18 gl/h
Air intake -	11100 l/min - 392 cfm	14400 l/min - 509 cfm
Starting battery -	100 Ah - 24 V	
Battery charger -	75 Ah - 24 V	
Starter motor -	3.7 kW - 24 V	
Max. inclination -	25°	
Water pump flow -	163 l/min - 43.06 gl/min	
Sea water inlet pipe \varnothing -	32 mm - 1.25"	
Exhaust pipe \varnothing -	152 mm - 6"	
Input/Output fuel pipe \varnothing -	8 mm - 5/16"	
Dimensions (L x W x H) -	2100 x 970 x 1065 mm - 82.7 x 38.2 x 41.9 in (with soundproof box)	
Weight -	1650 Kg - 3638 lb (with soundproof box)	
Noise Level -	63 dBA at 7 mt (23 ft)	64 dBA at 7 mt (23 ft)

Three-phase output power 160 kVA 50 Hz - 150 kVA 60 Hz

Accessory

Code

ACCESSORIES ON REQUEST

• Siphon break D.50 - ref.3	041171
• Remote START/STOP panel with 20m cable for Comap IL4 - ref.1	037561
• Comap IL4 remote start panel with 20-meter cable - ref.2	039607
• Cruise kit	913956



.1



.2



.3