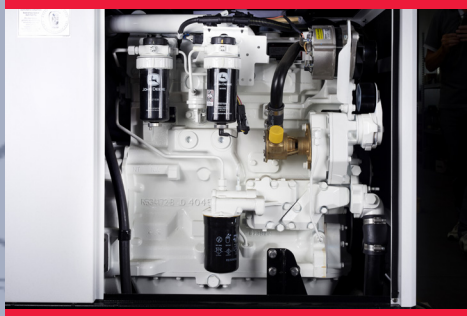
mariner 150 jdt - 150.06 jdt

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

mase generators spa
Via Tortona, 345 | 47522 - Cesena (FC) | Italy
Tel. +39 0547 354311
commercial@masegenerators.com
www.masegenerators.com

mase GENERATORS
Believing in change.

mariner 150 jdt - 150.06 jdt

CE Three-phase output power 150 kVA 50 Hz - 140 kVA 60 Hz

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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 lubrification systems,
the sea water pump and the air filter

_ Double vibration dumping system

_ Oil drain pump

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	50 Hz	60 Hz
AC alternator -	Synchronous, 4 poles, with AVR	
Cooling -	Air	
Voltage -	400 V	480 V
Frequency -	50 Hz	60 Hz
Amps -	216.8 A	180.6 A
Max power -	150 kVA	
Continuous power -	140 kVA	
Power Factor -	cos ø 0.8	
Insulating class -	H	
Voltage stability -	±2%	
Frequency stability -	±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 in
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 Ø -	32 mm - 1.25"	
Exhaust pipe Ø -	152 mm - 6"	
Input/Output fuel pipe Ø -	8 mm - 5/16"	
Dimensions (L x W x H) -	2050 x 910 x 1000 mm - 80.7 x 35.8 x 39.4 in	
Weight -	1500 Kg - 3308 lb	

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mase GENERATORS
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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

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