

mariner 45 MTS - 54 MTS



CONTROL PANEL



PERKINS 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 makes maintenance operations easier, even with the generator installed in confined environments.



COMPACT
DESIGN



EASY
INSTALLATION



SUPER
SILENCED

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For more detailed information, please contact your local distributor or Mase Generators S.p.A.

Last update date 01/08/2025



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.

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
- 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

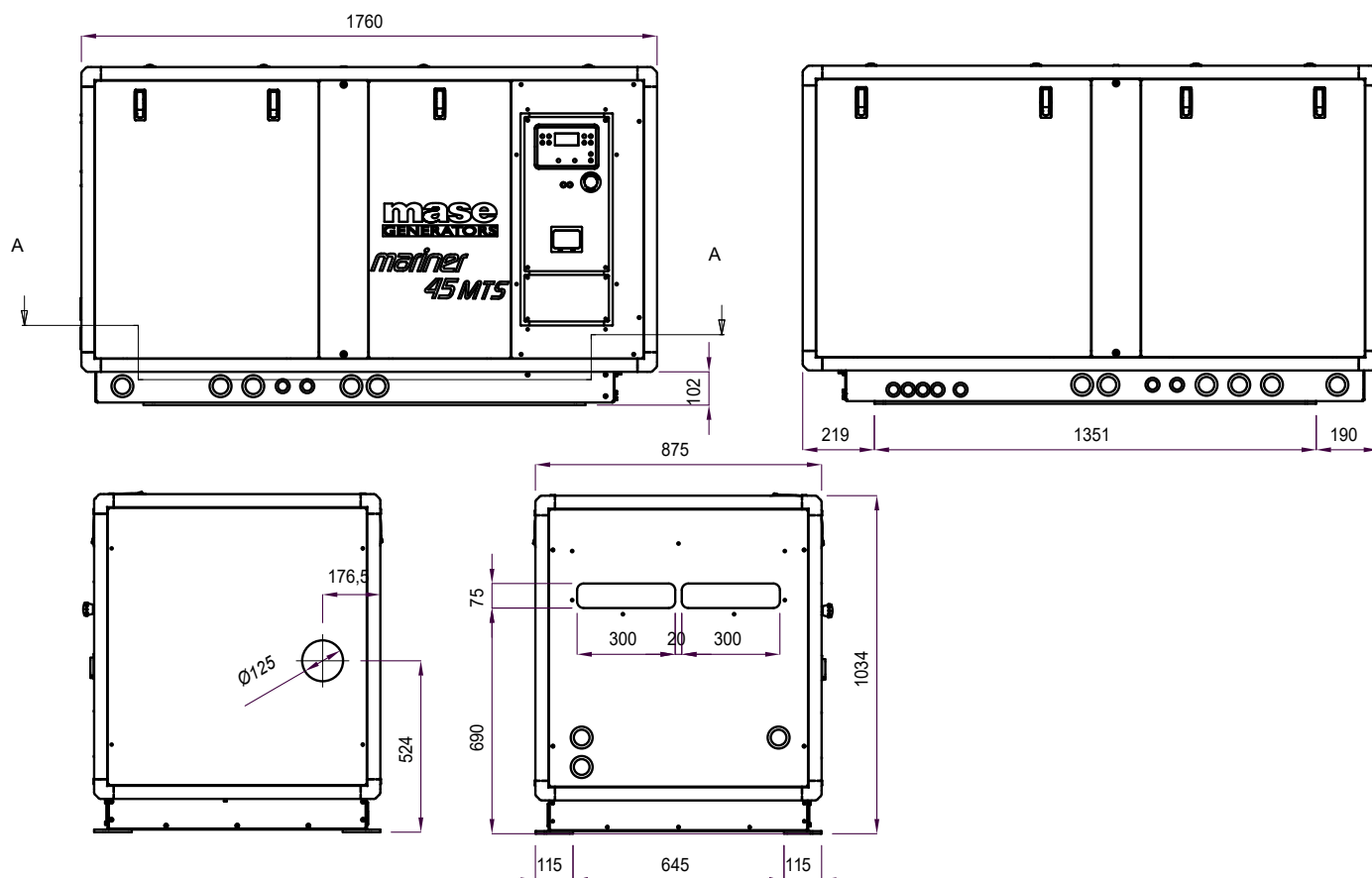
_ Easy maintenance access to the feeding and lubrication systems, the sea water pump and the air filter

_ Double vibration dumping system

_ Oil drain pump

SOUNDPROOF CABIN

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





Three-phase output power
45 kVA 50 Hz - 54 kVA 60 Hz

50 Hz

60 Hz

AC alternator -

Synchronous, 4 poles, with AVR

Cooling -

Air

Voltage -

400 V

480 V

Frequency -

50 Hz

60 Hz

Amps -

65 A

Max power -

45 kVA

54 kVA

Continuous power -

42 kVA

44 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 -

Perkins 1103A-33TG1

Type -

Diesel

Cylinders -

nr 3

Cylinder block material -

Cast iron

Bore -

105 mm - 4.14 in

Stroke -

127 mm - 5 in

Displacement -

3300 cc - 201.38 CID

Power -

61.2 hp - 45.02 kWm

72.3 hp - 53.18 kWm

RPM -

1500

1800

Compression ratio -

17.3:1

Combustion system -

Direct injection

Engine head material -

Cast iron

Speed governor -

Electronic

Lubrication system -

Forced

Oil sump capacity with filter -

6.5 l - 1.83 gl

Engine stop system -

Solenoid valve

Fuel pump -

Electric

Max. fuel pump head -

700 mm - 27.5 in

Fuel consumption -

10.5 l/h - 2.77 gl/h

12.7 l/h - 3.35 gl/h

Air intake -

Starting battery -

80 Ah - 12 V

Battery charger -

40 Ah - 12 V

Starter motor -

12 kW - 12 V

Max. inclination -

25°

Water pump flow -

86 l/min - 22.71 gl/min

Sea water inlet pipe $\varnothing$ -

25 mm - 1"

Exhaust pipe $\varnothing$ -

102 mm - 4"

Input/Output fuel pipe $\varnothing$ -

8 mm - 5/16"

Dimensions (L x W x H) -

1600 x 935 x 1085 mm - 63 x 36.8 x 42.7 in (with soundproof box)

Weight -

925 Kg - 2040 lb (with soundproof box)

Noise Level -

58 dBA at 7 mt (23 ft)

59 dBA at 7 mt (23 ft)

Accessory

Code

ACCESSORIES ON REQUEST

• Filtering kit: sea water inlet, sea water strainer, taps, fittings D.25 - ref.4	03793
• Mase exhaust kit: sea water lock, silencer, outlet D.90 Vetus	038325
• Siphon break D.25 - ref.3	015849
• Vetus LP90 muffler	71688
• Vetus MP90 silencer	71690
• Centek muffler 3" 1/2	71689
• Centek water/gas separator 3" 1/2	71692
• Remote START/STOP panel with 20m cable for Comap IL4 - ref.1	037561
• Comap IL4 remote start panel with 20m cable - ref.2	039607
• Cruise Kit	913947



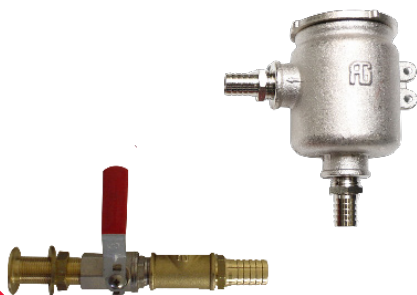
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