

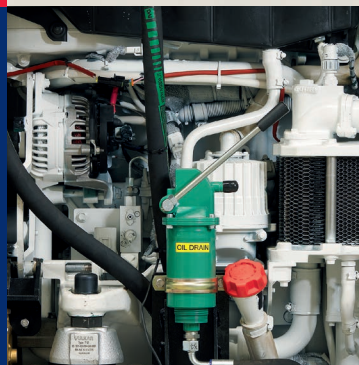
VS 500 SV



Control panel



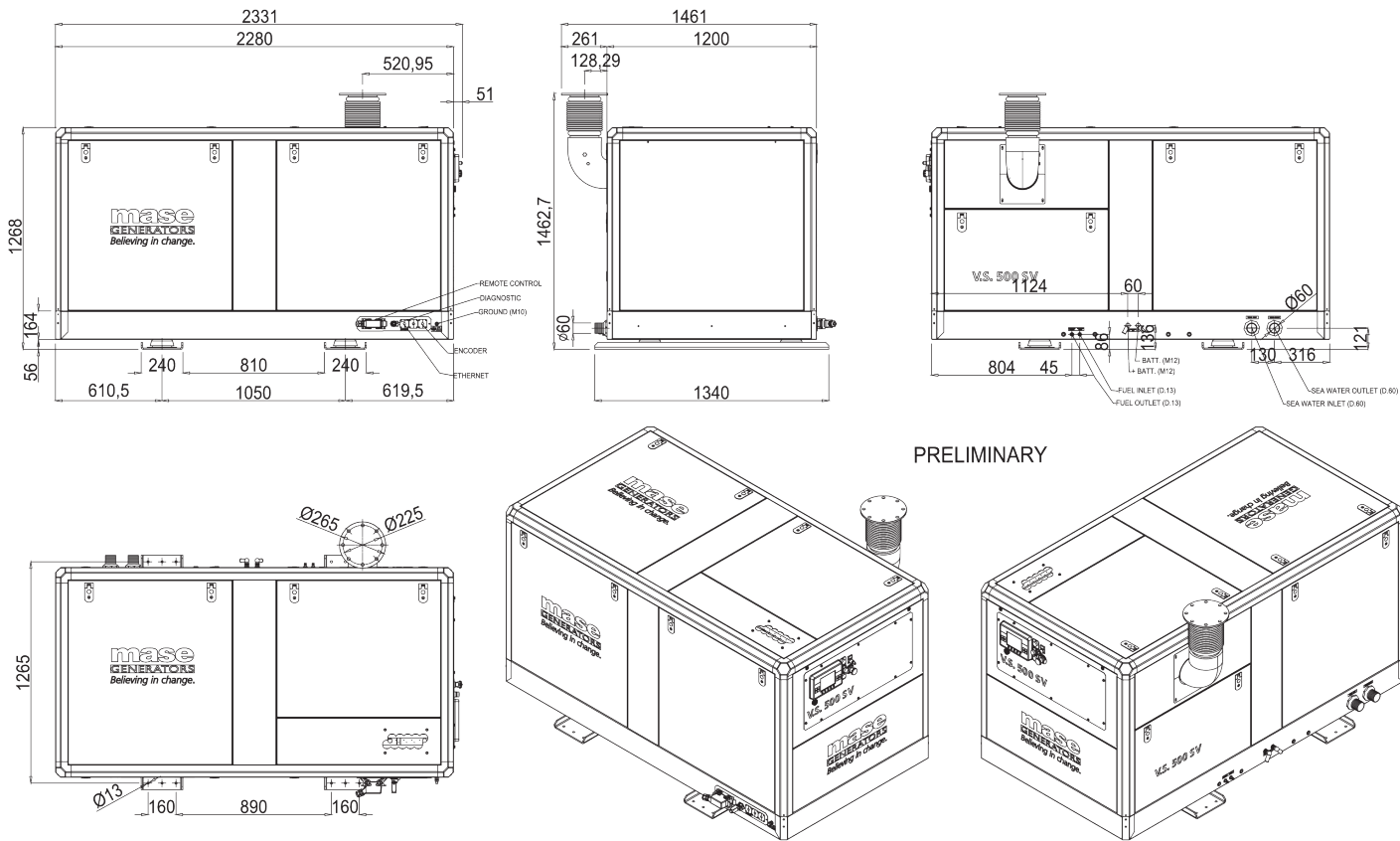
Variable speed Volvo engine



PMG alternator



Unit of measure: mm



PRELIMINARY



Output power 425 kW three-phase

Description

- Marine power generator
- Variable speed Diesel engine
- Silenced version

Generator

- Type: Permanent magnet (PMG)
- Cooling: Water/Glycol
- Concatenated AC Voltage RMS (V): 400
- Continuous power: 425 kW
- Alternator degree of protection: IP65
- Efficiency: 94%
- Pair of poles: 8
- Switch frequency (kHz): 6
- Frequency output (Hz): 300
- Current (A): 615

Variable speed diesel engine 4 stroke

- Type: Volvo D13-700 - 6 cyl. - 700 hp (515 kWm) - 12780 cm³
- Specific fuel consumption at 100% load: 194 lt/h
- Cylinder block material: Cast iron
- Bore (mm - in.): 131 - 5,16
- Stroke (mm - in.): 158 - 6,22
- Rated rpm: 1000 - 2250
- Aspiration: Twin turbo
- Fuel system: Electronic
- Engine head material: Cast iron
- Speed governor: Electronic
- Lubrication system: Forced
- Oil sump capacity (L - qt.): 31 - 32,8
- Engine stop system: Stop solenoid
- 12V Battery type: Lead acid
- Recommend main starting battery: 110-150Ah
- 2x12V
- Starter (V-kW): 24 - 7
- Battery charger alternator (V-A): 24 - 110
- Easily accessible service points
- Safety stop in case of low oil pressure
- Safety stop in case of high water/exhaust gas temperature
- Oil and fuel filters of easy access
- Compact size
- High performance combined with low noise and low vibrations
- Electronically controlled common-rail fuel system
- Hi-tech injection system and high engine efficiency

Standard Features

- The IntelliDrive BaseBox controller communicates with the electronic engine management system via CANbus using a standard J1939
- It monitors and protects the generator set during the operation
- Remote control/monitoring via Modbus RS485
- RS232, RS485, Ethernet communication support
- 4-20mA engine rpm control
- Hardwired connection for emergency stop, overspeed stop, coolant temperature switch, low coolant level, oil pressure switch
- Remote control panel with IntelliVision 5 display, ON-OFF key, green ON lamp, yellow WARNING lamp, red ALARM lamp, emergency push-button and buzzer
- Predisposition for remote input hardwired signal: start, stop, emergency stop, reset, rpm adjust
- Predisposition for remote output hardwired signal: ready to start, remote/local mode, general warnings, general alarms
- Fault detection for oil pressure switch and water temperature switch

Estimated sound pressure

- 70 dBA @ 7mt

Other features

- Dimensions (L x W x H): 2280 x 1200 x 1268 mm
- Dry weight: 2420 Kg
- Max. inclination: 30°
- Soundproof cabin made of extremely light marine aluminum with very high resistance to external agents. Low weight and easy accessibility to the inner cabin in case of maintenance services. Ecofibre soundproofing panels are applied inside the canopy, to maximize acoustic performance