



DIESEL GENERATOR (WHISPER ULTRA)

12 kW, 50Hz - 1500 rpm

Total independence

A Mastervolt Whisper diesel generator serves as your very own on board power plant, one that is compact, economical, extremely quiet and easy to operate. This means that you can be certain of always having the required electric power at your disposal. The available power varies from 4 kVA for basic comfort to 30 kVA - enough for larger vessels. Mastervolt offers a choice of two complete generator series - high & low rev - appropriate for all types of vessel and every conceivable need.

Six Ultra models

6 kVA, 8 kVA and 10 kVA with a three-cylinder diesel engine, and 12 kVA, 16 kVA and 25 kVA with a four-cylinder diesel engine. For help with choosing the right Whisper, see our comprehensive Powerbook catalogue.

Special models

- Whisper Ultra with dry exhaust, for vessels that are used in shallow waters or the inland waterways - and still wish to use generator power.
- Whisper Ultra with Power Take Off (PTO), for a hydraulic pump added onto the alternator. This pump provides pressure for a hydraulic bowthruuster or winches, for instance.
- Mass free Whisper Ultra (2-pole) versions, suitable if you have an aluminium or steel vessel and wish to prevent electrolytic damage.



Digital Diesel Control

Provides all-in-one remote operation, monitoring and permanent control: the central control panel can be installed wherever you prefer, the generator is started and stopped with a single push of the button (or even automatically), battery capacity is monitored, and your electric system is under permanent surveillance. Delivered as standard, no plus price.



The Digital Diesel Control remote panel guarantees convenience, in combination with one-button operation for preheating/starting/stopping. Key functions are shown on a LCD display.

Professional monitoring

Digital Diesel Control continuously keeps track of vital functions, including generator frequency and AC voltage. Engine components, such as oil pressure, exhaust temperature, cooling water temperature and starter battery voltage, are also monitored. You will be immediately alerted if something is wrong and, if necessary, the generator will shut down altogether. The monitoring system will also warn you in good time to carry out maintenance.

Complete installation kits

Mastervolt offers complete installation kits of the highest quality: inflammable water exhaust separator and waterlock (Delta exhaust parts), rubber hoses, fuel kit with water/fuel separation, anti-siphon kits, starter battery kit, etc. See our Powerbook Marine catalogue.



TECHNICAL SPECIFICATIONS - WHISPER 12 ULTRA / 12 KW

Article no. 50Hz - 1500 rpm	51107005
GENERAL INFORMATION	
Nominal power (peak power: 200%)	12 kW - 50Hz
Nominal voltage 50Hz	230V single phase or 400V 3-phase*
Output frequency	50Hz
Voltage tolerance (V)	±5%
Frequency tolerance (Hz)	±5%
Voltage regulation	capacitor + AVR (optional)
Starter battery, AGM type (optional)	12V 70Ah
Battery charge current	alternator 50A
Dimensions incl. sound shield (LxWxH)	1060x575x640 mm
Dry weight	380 kg
Wet marine exhaust	Ø 51 mm
Dry exhaust pipe	Ø 1½ inch BSP
Location oil refill cap	top&side
Max. operation angle	25° in all directions
Alternator	watercooled, no brushes, synchronous
SPECIFICATIONS DIESEL ENGINE	
Engine model	S4L2
Number of cylinders	4
Cylinder capacity	1758 cc
Bore & stroke	4x 78x92 mm

* 3-phase alternators are not watercooled.

SPECIFICATIONS DIESEL ENGINE

Air consumption	1.5 m³/min.
Engine cooling	indirect watercooled
Fuel consumption (no load-full load)	1-4 l/hour
Pump capacity	18 l/min.

ACCESSORIES

Remote control panel (standard included)	Digital Diesel Control (DDC)
Second remote control panel/slave	Digital Diesel Control (DDC)
System panel	optional
Power Take Off (PTO)	optional
Keel cooling	optional
Mobile version	optional
Ungrounded version (insulated return)	optional

AVAILABLE INSTALLATION KITS

• water inlet kit 20 mm	art.no. 50230211
• air vent kit 20 mm	art.no. 50230212
• exhaust kit 51 mm	art.no. 50230252
• water/gas separator kit 51 mm	art.no. 50230262
• fuel kit, universal	art.no. 50230205
• battery installation kit 70 Ah AGM	art.no. 50230210
• rubber mounting kit	standard

