

Whisper 20 Ultra (20 kW) 120/240V 60Hz (1800 rpm) wet exhaust



PN 51108055

- Power Take Off option available for on board hydraulic functions
- Specially treated metal sound guard
- Relatively small and lightweight
- Virtually vibration-free
- Most efficient initial surge tolerance
- Pure sine wave for continuous AC output
- Low-emission diesel technology
- Modern indirect-injection diesel engine
- Plug & Play installation
- Easy control and one-button operation
- Digital Diesel Control system included
- Easily removable sound guard with accessibility from all sides
- High class installation kits available
- Exhaust levels satisfy the most rigorous standards in both Europe and the United States (EPA compliant)
- For continuous and intensive power consumption

Description

Are you often out sailing and have equipment on board that uses power continuously or has a high consumption level? If, at the same time, you also have space and weight capacity to spare, Mastervolt recommends the Whisper Ultra genset.

The Ultra models are designed for larger, more spacious sailing boats and motor yachts. They have a heavier three- or four-cylinder diesel engine that powers an alternator with two coils and four poles. This low speed means the Whisper Ultra is both very quiet and, due to reduced wear, requires even less maintenance compared to the high revolution models.

This 20 Ultra generator will turn every yacht into a power fortress, despite being only 1.15 metre. All on board activities become possible, all of them simultaneously. Whether it is a microwave-combi, a washing machine or an airco-system 24.000 BTU/h, you name it and this powerful machine will handle it. And never has this on board luxury been so quiet. Extensive monitoring and single-touch operating is easy because of the Digital Diesel Control (DDC) panel (even automatic start/stop on low battery capacity voltage and interval).

A Power Take Off (PTO), for a hydraulic pump added onto the alternator, is optional. Overall it is a model perfectly suited for medium to large boats fitted with a 230V electrical system. It is the power to be independent!

Specifications

GENERAL INFORMATION

Output frequency	60Hz
Voltage tolerance (V)	±5%
Frequency tolerance (Hz)	±3%
Voltage regulation	capacitor + AVR (optional)
Battery charge current	alternator 50A
Dimensions including sound guard (LxWxH)	1160x680x700 mm
Dry weight	454 kg
Wet marine exhaust	Ø51 mm
Dry exhaust pipe	Ø1.5 inch BSP
Location oil refill cap	top
Max. operation angle	25° in all directions
Alternator	water-cooled, no brushes, synchronous

SPECIFICATIONS DIESEL ENGINE

Engine model	S4Q2
Number of cylinders	4
Cylinder capacity	2505 cc
Bore & stroke	4x88x103 mm
Air consumption	2.1m ³ /min.
Engine cooling	indirect water-cooled
Fuel consumption (no load-full load)	1-5 l/hour
Pump capacity	22 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
Nominal power	20 kW (peak power capability: 200%)
Nominal voltage (dual voltage)	120/240V - 167/83A
Starter battery (optional)	12V 120Ah

Accessories



Battery installation kit
160 Ah AGM



Exhaust kit
51 mm (2")



Water/gas separator kit
51 mm (2")



Anti-siphon kit
25 mm (1")



Water inlet kit
25 mm (1")



Boiler (calorifier) connection
kit



Exhaust elbow
51 mm, 90°



Exhaust hose clamp
51 mm



PTO, connecting SAE A
2holes
9 teeth 16/32 pitch 100Nm
Max



PTO, connecting SAE B
2holes
13 teeth 16/32 pitch 135Nm
Max



Rubber exhaust hose
51 mm (2")