

SLEEPER H-MG12i Diesel Inverter Marine Generator

Thanks to the PMG inverter technology, the Sleeper generator H-MG12i is possible to be made into the smallest, quietest and most powerful of its kind. It delivers the ideal power quality for all on-board appliances such as air-conditioning system, washing machine, cooking devices, battery charging and other AC powered devices. The sleeper generators are 100% water-cooled and equipped with the highly



regarded sound insulation. They are specially designed to be light and compact, up to 30% weight and space savings.

Product features

- Reliable Kubota 3 cylinder water-cooled diesel engine ensure product reliability
- High efficient water-cooled permanent magnet alternator technology
- Extremely compact size and light weight for installation
- Extremely silent by aluminum composite material cabinet
- Virtually vibration free
- Outstanding voltage stability and pure sines wave are ideal for sensitive electronics
- Inverter technology saves fuel about 30% and environmentally friendly
- Local and remote digital display control panel with highly intelligent multi-function protection
- Parallel technology enables more power and cost saving



SLEEPER H-MG12i Marine Generator Specification

Sominal voltage(V) 230 / 120	MAIN SPECIFICATIONS				
So / 60	Model	H-MG12i			
Number of phases 1	Nominal voltage(V)	230 / 120			
The transition of the transi	Frequency(Hz)	50 / 60			
Second	Number of phases	1			
Solicition State	Intermittent power	10kW / 12.5kVA			
Rpm range 2200 - 3000, adjustable Cooling system Heat exchanger Harmonic distortion ≤3% Frequency stability ±0.1% Alternator technology Water-cooled, Brushless, Permanent Magnet Generator control PMG Inverter Inverter (with DDC local) PMG Inverter Control Panel Digital Display Control (DDC local + DDC remote) DIESEL ENGINE SPECIFICATIONS Kubota D722 Engine model Kubota D722 Engine power output 12.4kW / 3000rpm Object x stroke (mm) 67 × 68 Consumption (L/hr) 1.5 - 3.3 Start battery capacity 12VDC / 80Ah Starter battery charge method/ current Alternator 12 V / 14A Jubricant At least CF Did capacity(L) 3.8 DIMENSIONS & WEIGHT Cabinet dimensions (LxWxH) 578 x 445 x 558 mm Cabinet weight 42 kg Water inlet hose Ø 19mm Exhaust hose Ø 40mm Feel Hose Ø 8mm	Continuous power	9kW / 11.2kVA			
Heat exchanger Harmonic distortion Say Heat exchanger Say ### ### ### ### ### ### ### ### ###	Noise(dBa/7m)	51			
Harmonic distortion Frequency stability Alternator technology Water-cooled, Brushless, Permanent Magnet Benerator control PMG Inverter Noverter (with DDC local) PMGi 12 Control Panel Digital Display Control (DDC local + DDC remote) DIESEL ENGINE SPECIFICATIONS Engine model Engine power output Displacement(cc) Sore x stroke (mm) Consumption (L/hr) Start battery capacity Starter battery charge method/ current Dil capacity(L) DIMENSIONS & WEIGHT Cabinet dimensions (LxWxH) Cabinet weight Nater inlet hose Diaplacement (Date of the cool	Rpm range	2200 - 3000, adjustable			
Alternator technology Water-cooled, Brushless, Permanent Magnet Benerator control PMG Inverter P	Cooling system	Heat exchanger			
Alternator technology Generator control PMG Inverter PM	Harmonic distortion	≤3%			
Generator control nverter (with DDC local) Control Panel Digital Display Control (DDC local + DDC remote) DIESEL ENGINE SPECIFICATIONS Engine model Engine power output Cylinder Consumption (L/hr) Start battery capacity Starter battery charge method/ current Cylinder Consumption (L/hr) Starter battery charge method/ current Cylinder Consumption (L/hr) Starter battery charge method/ current At least CF Coli capacity(L) DIMENSIONS & WEIGHT Cabinet dimensions (LxWxH) Cabinet weight Mater inlet hose Exhaust hose Generator control PMG Inverter PMG I12 PMG I12 At ubor local + DDC remote) 3 3 4 4 4 4 4 4 4 4 4 4 4	Frequency stability	±0.1%			
Inverter (with DDC local) Control Panel Digital Display Control (DDC local + DDC remote) DIESEL ENGINE SPECIFICATIONS Engine model Engine power output Cylinder Displacement(cc) Sore x stroke (mm) Consumption (L/hr) Start battery capacity Starter battery charge method/ current Displacement At least CF Dil capacity(L) DIMENSIONS & WEIGHT Cabinet dimensions (LxWxH) Cabinet weight Mater inlet hose Exhaust hose Fuel Hose Digital Display Control (DDC local + DDC remote) Kubota D722 12.4kW / 3000rpm 67 × 68 67 × 68 67 × 68 67 × 68 68 Consumption (L/hr) 1.5 - 3.3 Alternator 12 V /14A At least CF Dil capacity(L) 3.8 DIMENSIONS & WEIGHT Cabinet dimensions (LxWxH) Cabinet weight Mater inlet hose Ø 40mm Exhaust hose Ø 40mm Fuel Hose	Alternator technology	Water-cooled, Brushless, Permanent Magnet			
Digital Display Control (DDC local + DDC remote) DIESEL ENGINE SPECIFICATIONS Engine model Engine power output Displacement(cc) Sore x stroke (mm) Consumption (L/hr) Start battery capacity Starter battery charge method/ current Displacent Displacement (CC) Alternator 12 V /14A Alternator 12 V /14A DIMENSIONS & WEIGHT Cabinet dimensions (LxWxH) Diaborater battery charge Mater inlet hose Ø40mm Exhaust hose Ø40mm Fuel Hose Ø 8mm	Generator control	PMG Inverter			
Engine model Engine power output Cylinder Service Stroke (mm) Engine model Engine power output Cylinder Service Stroke (mm) Engine power output Cylinder Service Stroke (mm) Engine power output Stroke (mm) Engine power output Stroke (mm) Engine power output Stroke (mm) Stroke Stroke Stroke (mm) Stroke Stroke Stroke (mm) Stroke Str	Inverter (with DDC local)	PMGi 12			
Engine model Kubota D722 Engine power output 12.4kW / 3000rpm Cylinder 3 Displacement(cc) 719 Bore x stroke (mm) 67 × 68 Consumption (L/hr) 1.5 - 3.3 Start battery capacity 12VDC / 80Ah Starter battery charge method/ current Alternator 12 V /14A Lubricant At least CF Dil capacity(L) 3.8 DIMENSIONS & WEIGHT Cabinet dimensions (LxWxH) 578 x 445 x 558 mm Cabinet weight 142 kg Water inlet hose Ø19mm Exhaust hose Ø40mm Fuel Hose Ø8mm	Control Panel	Digital Display Control (DDC local + DDC remote)			
Table Tabl	DIESEL ENGINE SPECIFICATIONS				
Cylinder 3 Displacement(cc) 719 Bore x stroke (mm) 67 × 68 Consumption (L/hr) 1.5 - 3.3 Start battery capacity 12VDC / 80Ah Starter battery charge method/ current Alternator 12 V /14A Lubricant At least CF Dil capacity(L) 3.8 DIMENSIONS & WEIGHT Cabinet dimensions (LxWxH) 578 x 445 x 558 mm Cabinet weight 142 kg Water inlet hose Ø19mm Exhaust hose Ø40mm Fuel Hose Ø 8mm	Engine model	Kubota D722			
Displacement(cc) Sore x stroke (mm) Consumption (L/hr) Start battery capacity Start battery charge method/ current Alternator 12 V /14A Lubricant At least CF Dil capacity(L) Cabinet dimensions (LxWxH) Cabinet weight Mater inlet hose Ø40mm Fuel Hose Ø 8mm	Engine power output	12.4kW / 3000rpm			
Bore x stroke (mm) Consumption (L/hr) Start battery capacity Starter battery charge method/ current Lubricant At least CF Dil capacity(L) Cabinet dimensions (LxWxH) Cabinet weight Water inlet hose Fuel Hose Ø 8mm	Cylinder	3			
Consumption (L/hr) Start battery capacity Starter battery charge method/ current Alternator 12 V /14A Lubricant At least CF Oil capacity(L) Cabinet dimensions (LxWxH) Cabinet weight Vater inlet hose Ø 8mm Discrete battery capacity 12VDC / 80Ah Alternator 12 V /14A At least CF 3.8 DIMENSIONS & WEIGHT Cabinet dimensions (LxWxH) 578 x 445 x 558 mm 142 kg Ø 99mm Exhaust hose Ø 40mm Fuel Hose	Displacement(cc)	719			
Start battery capacity Starter battery charge method/ current At least CF Dil capacity(L) Cabinet dimensions (LxWxH) Cabinet weight Vater inlet hose Exhaust hose Distarter battery capacity Alternator 12 V /14A At least CF 3.8 DIMENSIONS & WEIGHT 578 x 445 x 558 mm 42 kg Ø40mm Ø40mm Fuel Hose Ø 8mm	Bore x stroke (mm)	67 × 68			
Alternator 12 V /14A Lubricant At least CF Dil capacity(L) 3.8 DIMENSIONS & WEIGHT Cabinet dimensions (LxWxH) 578 x 445 x 558 mm Cabinet weight 412 kg Water inlet hose Ø19mm Exhaust hose Ø40mm Fuel Hose Ø 8mm	Consumption (L/hr)	1.5 - 3.3			
At least CF Dil capacity(L) 3.8 DIMENSIONS & WEIGHT Cabinet dimensions (LxWxH) Cabinet weight Vater inlet hose Exhaust hose Ø 8mm	Start battery capacity	12VDC / 80Ah			
Dil capacity(L) 3.8 DIMENSIONS & WEIGHT 578 x 445 x 558 mm Cabinet dimensions (LxWxH) 578 x 445 x 558 mm Cabinet weight 142 kg Water inlet hose Ø19mm Exhaust hose Ø40mm Fuel Hose Ø 8mm	Starter battery charge method/ current	Alternator 12 V /14A			
DIMENSIONS & WEIGHT Cabinet dimensions (LxWxH) 578 x 445 x 558 mm Cabinet weight 142 kg Water inlet hose Ø19mm Exhaust hose Ø40mm Fuel Hose Ø 8mm	Lubricant	At least CF			
Cabinet dimensions (LxWxH) 578 x 445 x 558 mm Cabinet weight 142 kg Water inlet hose Ø19mm Exhaust hose Ø40mm Fuel Hose Ø 8mm	Oil capacity(L)	3.8			
Cabinet weight 142 kg Water inlet hose Ø19mm Exhaust hose Ø40mm Fuel Hose Ø 8mm	DIMENSIONS & WEIGHT				
Water inlet hose Ø19mm Exhaust hose Ø40mm Fuel Hose Ø 8mm	Cabinet dimensions (LxWxH)	578 x 445 x 558 mm			
Exhaust hose Ø40mm Fuel Hose Ø 8mm	Cabinet weight	142 kg			
Fuel Hose Ø 8mm	Water inlet hose	Ø19mm			
	Exhaust hose	Ø40mm			
Siphon breaker Ø19mm	Fuel Hose	Ø 8mm			
	Siphon breaker	Ø19mm			



Standard Item List of Marine Generator H-MG12i

No.	Item	Specification	Amount	Unit
1	Marine generator	H-MG12i, 9kW230V50Hz	1	sets
2	Remote control panel	with 15 meters cable	1	sets
3	PMG inverter	PMGi 12, 9kW230V50Hz	1	sets
4	Water lock	200x200, φ 40mm	1	pcs
5	Exhaust hose	ф 40mm	2	meters
6	Expansion tank	with bracket & 2m water hose	1	sets
7	Electric fuel pump	12V	1	pcs
8	Fuel-water separator	φ8mm	1	sets
9	Syphon breaker	ф 19mm	1	pcs
10	Seawater filter	ф 19mm	1	pcs
11	Non-return valve	3/4"	1	pcs
12	Battery switch		1	pcs
13	Clamps	φ 10-16mm	10	pcs
14	Clamps	ф 40-60mm	4	pcs
15	Screw	M8x25	20	pcs
16	User's manual		1	sets





Generator Controller Panel GEC4500

The GEC4500 series controller provides remote start/stop and advanced control, system monitoring, and system diagnostics for optimum performance and compatibility.

General Description:

• Overall Dimension: 152 x 100 x 84.7mm

• Panel Cutout: 116 x 90mm

• Weight: 320g

Voltage supply: 8V - 35V

• Operating temperature: -25+70 °C

• RS485, CAN bus output with SAEJ1939 protocol



Digital Display Information:

- Voltage (V)
 Frequency (Hz)
 Current (A)
 Power (kW)
 Oil Pressure(bar)
- Coolant Temperature (°C)
 Battery Voltage (V)
 RPM
 Fuel level
- Running hoursHistory log

Alarm:

- ◆ High temperature
 ◆ Over speed
 ◆ Over load
 ◆ Over current
 ◆ Short circuit
- Low oil pressure
 Over/Under voltage
 Over/Under frequency
 Emergency stop

Warnings

Over/Under battery voltage
 Maintenance request

Dimensions

