ENGINE MODEL L 1306 C2 ME	
TECHNICAL DATA	
No. Cylinder & Arrangement	6 in line
Bore/Stroke	130 x 142 mm
Total Displacement	11,309 l
Compression ratio	15,4
Emissions compliance	IMO MARPOL Tier II EPA Tier II Without After Treatment System
Valves per cylinder	2 intake
	2 exhaust

AMBIENT REFERENCE CONDITIONS	
According to Marine Classification Societies requirements (ISO 3046/1 for unrestricted navigation)	
Ambient temperature	45° C
Sea water temperature	32° C
Barometric pressure	1000 mbar
Relative humidity	60%
Rated power available without any derating up to:	
Ambient temperature	55° C
Sea water temperature	36° C
Relative humidity	100%

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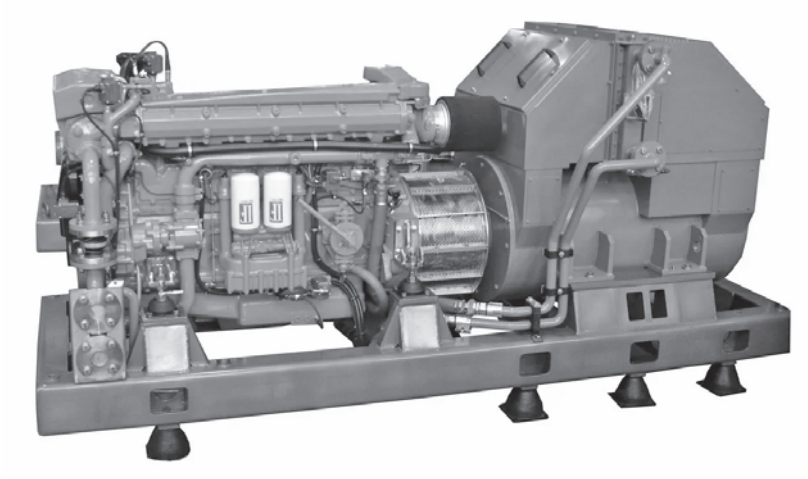
the added value to your project

L 1306 C2 ME

MARINE DIESEL ENGINE GENERATOR



L 1306 C2 ME

4-Stroke diesel engine with Bosch High Pressure Common Rail fuel injection system.

Single modular cylinder head with 4 valves to optimize combustion and reduce fuel consumption and pollutant emissions, in full compliance with the most stringent regulations in force.

Supercharging system optimized for an efficient performance provision in all operating conditions, even in extreme environmental conditions. Low level of stress to increase overall reliability.

Engine with high power to weight ratio. On Request can be tailor made to Military Specifications.

L 1306 C2 ME 5							
RATINGS @ 1500 RPM-50 HZ							
MECHANICAL OUTPUT				ELECTRICAL OUTPUT			
CONTINUOUS		STAND-BY		CONTINUOUS		STAND-BY	
kWm **bkW**	P.M.E. **B.M.E.P.** [bar]	kWm **bkW**	P.M.E. **B.M.E.P.** [bar]	kWe **ekW**	kVA **kVA**	kWe **ekW**	kVA **kVA**
320	18,92	352	22,64	300	375	330	412

L 1306 C2 ME 8							
RATINGS @ 1800 RPM-60 HZ							
MECHANICAL OUTPUT				ELECTRICAL OUTPUT			
CONTINUOUS		STAND-BY		CONTINUOUS		STAND-BY	
kWm **bkW**	P.M.E. **B.M.E.P.** [bar]	kWm **bkW**	P.M.E. **B.M.E.P.** [bar]	kWe **ekW**	kVA **kVA**	kWe **ekW**	kVA **kVA**
375	22,1	413	22,11	350	437	385	481

Engines Power in reference to ISO 3046-1

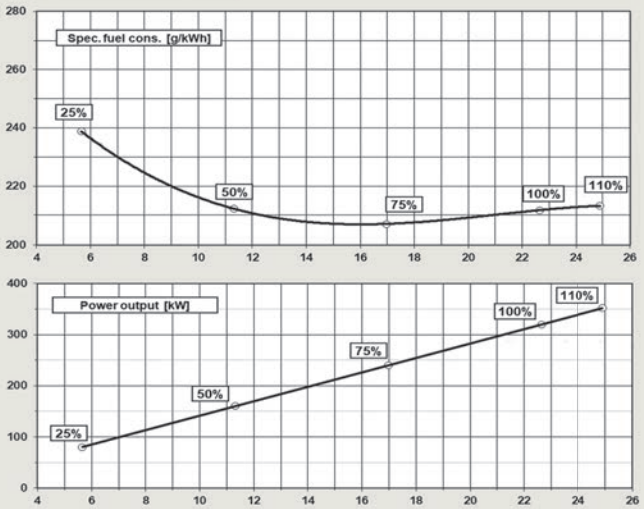
L 1306 C2 ME

MARINE DIESEL ENGINE GENERATOR

PERFORMANCE DIAGRAM

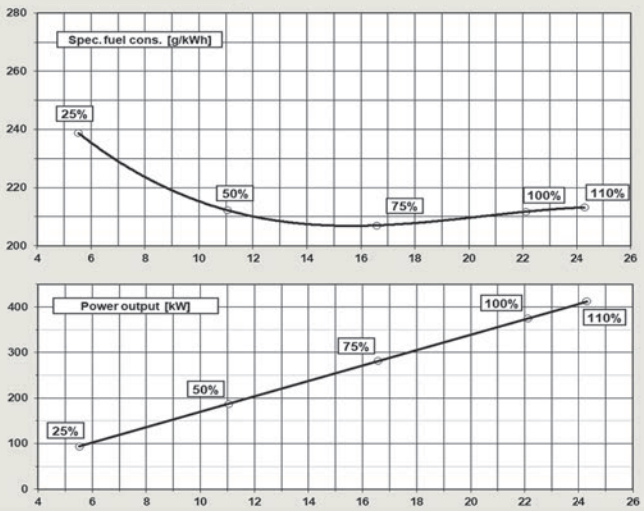
ENGINE L 1306 C2 ME5

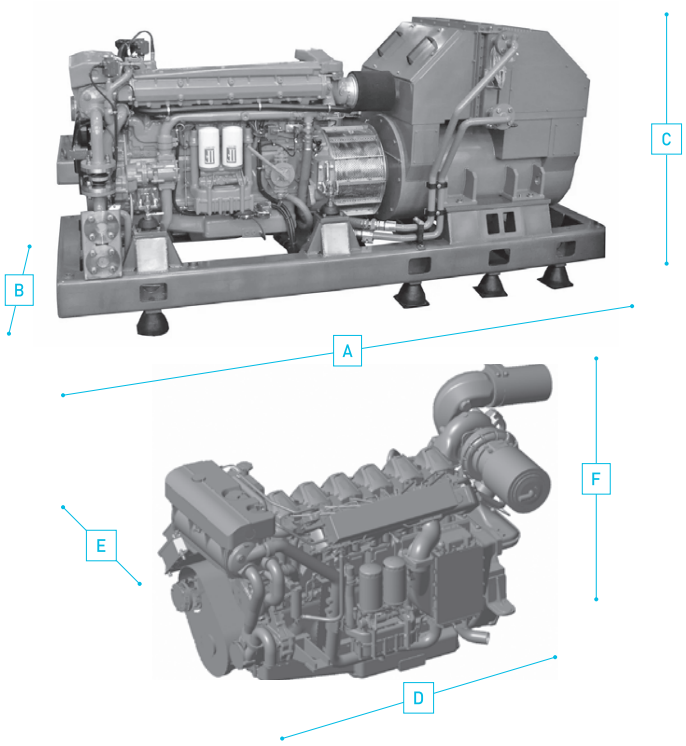
ICXN : 320 kW @ 1500 RPM
IOFN : 352 kW @ 1500 RPM
Ambient reference conditions : Inlet Air 45 °C / Raw water 32 °C
Intake depression : 30 mbar Exhaust backpressure : 30 mbar



ENGINE L 1306 C2 ME8

ICXN : 375 kW @ 1800 RPM
IOFN : 413 kW @ 1800 RPM
Ambient reference conditions : Inlet Air 45 °C / Raw water 32 °C
Intake depression : 30 mbar Exhaust backpressure : 30 mbar





DIMENSIONS & WEIGHTS

A	DGS Lenght	ME5	2600 mm	F	Engine Height	1250 mm
		ME8	2600 mm			
B	DGS Width	ME5	1100 mm	G	DGS Dry mass Without enclosure	2850 Kg
		ME8	1100 mm			
C	DGS Height	ME5	1460 mm		Weight and dimensions can vary according to application	
		ME8	1460 mm			
D	Engine Lenght	1631 mm		H	Engine Dry mass	980 Kg
E	Engine Width	804 mm		I	Flywheel and Housing size	SAE 14 SAE 1

BASIC DGS BUILD STANDARD

- Engine cooling circuits with engine-driven centrifugal pumps (sea water pump of self-priming type)
- Forced engine lubrication by engine-driven gear type pump, plate-type oil/fresh water cooler unit, cartridge type oil filter unit
- Fuel system complete with BOSCH High Pressure pump with feeding pump
- Duplex fuel filter, cartridge replaceable whilst running
- Electric system provided with terminal box
- Pneumatic starting motor
- Exhaust gas bellows
- Intake air bellows
- Flexible mountings
- Electric pre-lubrication pump
- Shielded high pressure injection pipes
- Torsional vibration damper
- Local Control Panel (LCP)
- Standard tools
- Operating and maintenance manual (commercial type)
- Illustrated spare parts catalogue (commercial type)

PRESSURE SENSORS:

- Charge air pressure
- Lube oil pressure
- Fresh waterpressure
- Sea water pressure
- Fuel oil pressure

TEMPERATURE SENSORS:

- Charge air temperature
- Fresh water temperature
- Lube oil temperature
- Fuel oil temperature
- Exhaust gas temperature

OPTIONAL ITEMS

- Overspeed engine stopping device
- Marine painting
- Fresh water pre-heating system with thermostat system
- Lube oil pre-heating system with thermostat system
- Remote Panel-Dashboard
- Condition based maintenance system
- Classification society test certificate
- Torsional vibration analysis calculation (TVC)
- Long storage preservation treatment
- Electric starting motor with battery pack
- Intake air dry type filters
- After Treatment System
- Noise Reduction Enclosure

NOTE

Engines Power in reference to ISO 3046 - 1
All technical data are subject to variation without notice. To be used only as indicative.
To be confirmed with a purchase order.

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Ref. Scheda L 1306 C2 ME - 12/2020