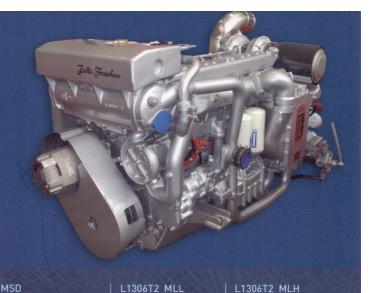
Jsotta Traschini Motori

L 1306 T2

Marine Diesel Engine

Engine with 4-stroke diesel cycle, direct fuel injection, surpercharged by one exhaust gas turbocharger type KKK with charge air cooling by sea water in tube type heat exchanger; engine cooling system complete with fresh-water / sea-water tube type heat exchanger incorporating header tank, thermostatic temperature control, exhaust gas manifold cooled by engine water.



220 (300) @ 1800

| | £ L1306T2 MSD | | L1306T2 MLL | L |
|--|--|------------------|------------------|---|
| PERFORMANCE: | HSC | SFC | CCL | C |
| Maximum power [kW (HP) @ rpm] | 485 [660] @ 2400 | 440 (600) @ 2400 | 320 (435) @ 2300 | 2 |
| Maximum torque [Nm] | 2050 | 1850 | 1400 | 1 |
| B.M.E.P. [bar] | 21,4 | 19,4 | 14,7 | 1 |
| Mean piston speed [m/s] | 11,36 | 11,36 | 10,89 | 8 |
| Minimum idle speed [rpm] | 700 - 750 | 700 - 750 | 700 - 750 | 7 |
| Fuel consumption @ rated power [g/kWh] | 235 | 230 | 221 | 2 |
| Minimum fuel consumption [g/kWh] | 205 | 205 | 207 | 2 |
| TECHNICAL DATA: | THE PROPERTY OF THE PROPERTY O | | | |
| General specification | 4-stroke diesel, water cooled, direct injection, turbocharged and intercooled. | | | |
| No. of cylinders & arrangement | 6 in-line 130 x 142 11,309 HSC/SFC 15,4 : 1 CCL/CCH 17,0 : 1 | | | |
| Bore x stroke [mm] | | | | |
| Total displacement [litre] | | | | |
| Compression ratio | | | | |
| Valves per cylinder | 1 inlet + 1 exhaust | | | |
| Turbo charging | 1 TC sea water intercooled | | | |

double circuit sea water intercooled

mechanical electronically actuated

Application group covering high speed planing hulls, such as pleasure crafts and special governmental vessels (customs, police, rescue services, special corps, etc.), where the primary boat design goal is to achieve the highest performance in terms of speed, acceleration and manoeuvrability.

SFC Special fast craft

Engine cooling

Injection system

Application group typically covering planing or semi-planing hulls for naval governmental service, such as in-shore patrol vessels, light off-shore patrol vessels, civil protection

CCL Commercial craft, light duty

Application group typically covering light commercial crafts, such as short-range passenger and charter boats, taxi-boats, sport fishing, light coastal fishing vessels with high speed movements.

CCH Commercial craft, heavy duty

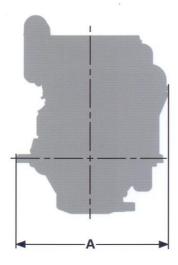
Application group covering displacement hulls vessels for continuous heavy duty operation, such as long-range passenger boats, tugs, fishing boats, heavy river navigation freighters.

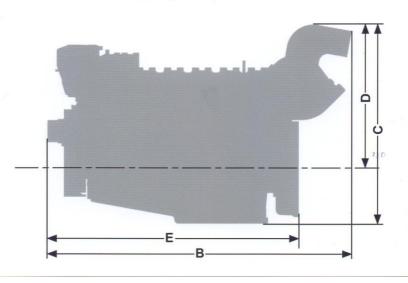
Notes: Reference ambient conditions according to ISO 3046-1 Standard and Classification Societies' Rules (Intake air / Sea water Temp.: 45°C / 32°C).

DIMENSIONS & WEIGHTS:

| Width (mm) (A) | 823 | |
|--------------------------------|----------------|--|
| Length (mm) (B) | 1788 | |
| Height (mm) (C) | 1135 | |
| Height at engine axis (mm) (D) | 820 | |
| Length (mm) at flywheel (E) | 1516 | |
| Dry mass (kg) | 970 | |
| Flywheel and housing size | SAE 14 - SAE 1 | |

All technical data are subject to variation without notice, to be confirmed with purchase order.





SCHTEK 12

L 1306 T2 Marine Diesel Engine

Basic engine build standard

- Cooling circuits complete 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 injection pump with feed pump and mechanical type speed governor
- Duplex fuel filter with change-over whilst running
- Duplex fuel filter WITHOUT change-over
- Pipework on engine and components in contact with sea-water made of copper alloy
- Electric cabling on engine complete with terminal box
 - Electric starting motor (24 Volt. 6,6 kW)
- Alternator for battery charging (28 Volt, 45 A)
- Riser on gas exhaust

- Dry type exhaust, flange on turbocharger outlet
- Dry type filter at air inlet
- Flexible mountings with system of height adjustment
- Hand pump for emptying oil sump
- Accelerator on injection pump for remote control
- Solenoid for stopping engine (24 Volt)
- Flywheel and bell-housing for SAE No.1 connection
- Torsional vibration damper
 - Sensors, of isolated-pole VDO type, fitted on engine.
- engine fresh-water temperature transmitter, with alarm contact TTA
- engine oil pressure transmitter, with alarm contact TPO
 - level switch on engine water make-up tank, with alarm contact-CLA
 - Marine painting (Bronzit Beige BMW)
- Workshop tests

- Operating and maintenance manual (sales type)
- Spare parts catalogue (sales type)
- Bag of normal use tools

Optional items

- Oil filter unit for mounting of the engine
- Electric pump for emptying oil sump
 - Dry type exhaust, 90° bend at turbocharger outlet
- Flexible exhaust pipe
 - Free and PTO, pulley with 2 grooves Type "A"
- Auxiliary hydraulic pump for steering control
 - Additional sensor on engine, of isolated-pole VDO type, for dual control panel:
 - engine fresh-water temperature transmitter, with alarm contact TTA1
 - engine oil pressure transmitter, with alarm contact TPO1
- Device for stopping engine on overspeed MPU
- Sensors supplied loose
- VDO transmitter for inverter oil pressure TPI
- pressure switch for inverter oil pressure CPI
- Electric pre-heating for oil
- Electric pre-heating for engine coolan
- Panel (for installation in bridge)
- Panel (for installation with secondary controls)
- Torsional flexible coupling Vulkan EZR
- Inverter / reducing gear for hull-mounting
 - Inverter / reducing gear flanged to engine
- Classification Society tests
 - Torsional vibration analysis calculations for plant (TVC)
- Protective treatment of engine for long storage
- Alternator for battery (28 Volt, 100 A)
- Choked air filter indicator, with alarm contact CIF
- Standard supply
- Optional supply

lote: - to be confirmed with purchase order - to be used only as indicative.



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Performance diagram

