

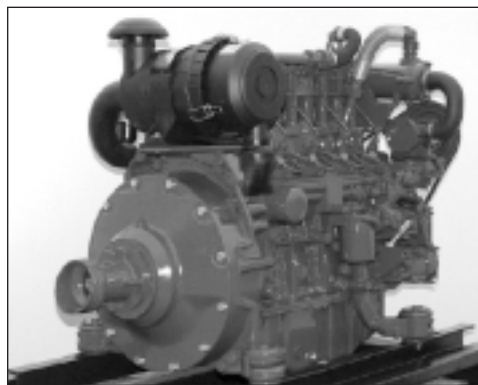
SERVICE IS OUR PROPULSION

MO 3.30, 4.30, 4.30 Turbo - Ship Engines for Professionals

The compact, indestructible and reliable power unit. High torque, low consumption and best combustion system. Smokeless burning and very low emission.

The benefits:

- Low fuel consumption
- Any type of gear box possible
- Low maintenance cost
- Low operate noise level
- Easy maintenance and use
- Economic Installation cost
- Possibility to replacement up to 150 Hp Gasoline engine (Z-Drive) and other applications
- Generator propulsion
- Worldwide service
- **More than 1 Million basic engine sold (DEUTZ 1011)**
- **Customized installation solutions are possible!**



Engines based on



Motors based on DEUTZ Type 1011,
OIL COOLED
WORLD WIDE SERVICE
Marinised in cooperation with HS-Marine.

Technical details:

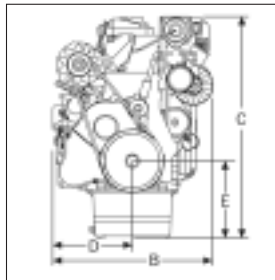
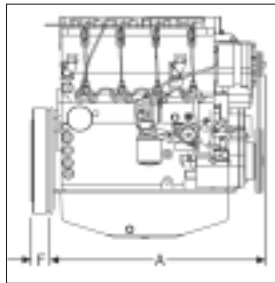
	MO 3.30	MO 4.30	MO 4.30 Turbo
Engine type:			
Engine construction:	3 cylinder in line direct injection	4 cylinder in line direct injection	4 cylinder in line direct injection
Cooling system:	2 circuit sea water cooling	2 circuit sea water cooling	2 circuit sea water cooling
Stroke: mm	112	112	112
Bore: mm	91	91	91
Displacement: ccm	2180	2910	2910
Revolution: RPM	3000	3000	3000
Gear Box connect.	SAE	SAE	SAE
Rating: kW*	36	50	75
Consumption: g/kWh	221	218	207
Weight: kg	220	260	270
Electric: V	12	12	12

* 1 kW = 1,36 CV

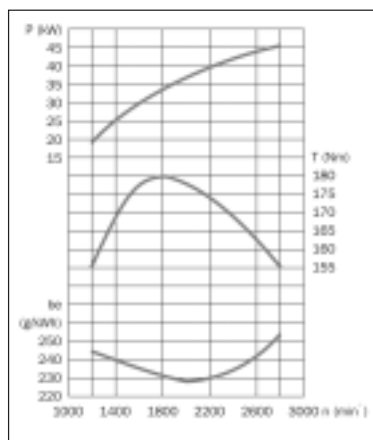
Installation dimensions in mm:

Motor	A	B	C	D	E	F
MO 3.30	519	600	800	243	220	80
MO 4.30	630	600	800	243	245	80
MO 4.30 Turbo	630	600	800	243	245	80

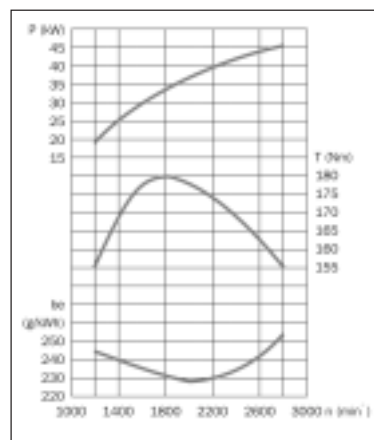
Dimensions:



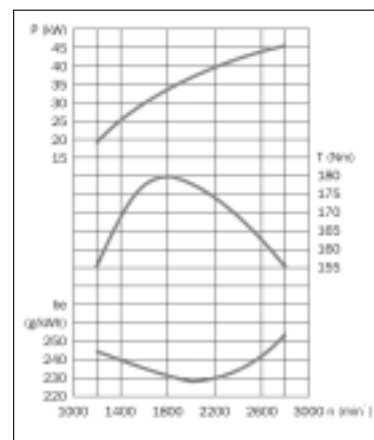
Power curves:



MO 3.30



MO 4.30



MO 4.30 Turbo

Information subject to change without advice (January 2005)

MoTech
MOTOR-BOOT-TECHNIK S.L.