

livers 170ps and 36kg·m torque from the 2.2 liter i4 CRDI engine.

The common rail multiple injection features improve i4 D-series on environmental aspects by minimizing the emissions of particulates and NOx.

Designs for optimizing fuel injection and intake port, and combustion performance improved lowtemperature combustion stability through lean air-fuel rationing. This satisfies the world's strictest exhaust emission standards.

Technical Description:

Material

- · Cast iron engine cylinder block
- · Aluminium head
- · Oil cooled piston
- · Hydraulic lash adjusters
- · Integrated water jacket
- · Balance shaft
- · Timing / drive belt auto tensioner

Engine Mounting

· Adjustable engine mount

Lubrication System

- · Electric oil extraction pump
- · Crankcase gases vented into air inlet

Fuel System

- · Common rail direct injection (Solenoid injector)
- · Fuel filter with sensor detecting water in fuel
- · Electric fuel pump
- · Dual pressure control valve
- Low and high pressure fuel pump

Electrical System

- 12 volt system and 120A alternator
- · Auxiliary engine stop button
- · Glow plugs for a trouble-free cold start

Cooling System

- · Camshaft directly connected to seawaterpump
- · Seawater cooled intercooler, heat exchanger
- · Connector prepared for cabin heater



Engine Operating Indicator

- · Engine self protection and diagnosis
- Display CAN information
- · Display engine diagnostic error code
- · Audible alarm and control lamps

Air inlet System

- Oil-wetted air cleaner
- · Crankcase gases vented into the air inlet

Exhaust System

- · Thermal insulated exhaust manifold
- · Seawater cooled exhaust elbow

Turbocharger

Variable Geometry Turbine (VGT)

Engine Coupler

- · Life-long and rattle free rubber roller coupler for sterndrive
- · orsion spring type for gearbox

Emissions

· EPA Tier 2, IMO and RCD compliant

Pass-by Noise Level

69.0dB (RCD Standard 75dB)

BUKH since 1899

BUKH SEASALL SOLAS MARINE ENGINE



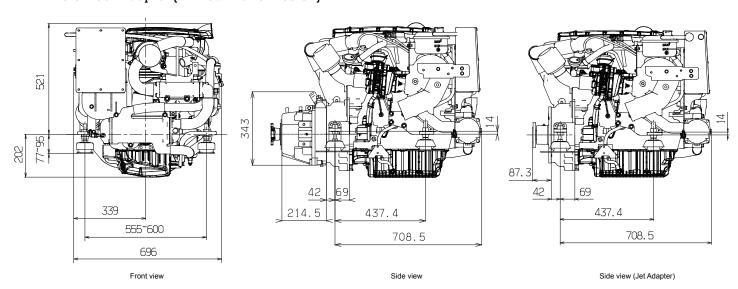
D170 Specifications

D170J
Pleasure & Light Commercial 4-Stroke, 4-Valve VGT with intercooler, fresh water cooling
170 (125)
3800
14
2188
87
92
17.3:1
34
3500
Common Rall Direct Injection (Solenoid injector)
120
YES
36.0
261
Shaftdrive / Waterjet

As BUKH is always endeavouring to improve the engines, specifications mentioned are subject to alterations without previous notice.

D170J Dimensions

ZF 45 C + Jet Adapter (without transmission)





Marine Gear Model ZF 45 C for D170J:

Gear Ratio: 1:1
Weight (kg): 31

