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Product Name :
Single Cylinder Engine

Product Code :
LBNY-0005-125000113



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Description :

Demonstration of diesel and petrol processes on an engine with variable compression
Creation of different compression ratios using a height adjustable cylinder
Water-cooled single-cylinder experimental engine for setting up an engine test stand in conjunction .
Engine mounted on base plate
Force transmission to brake unit using claw coupling
Adjustable ignition point
Petrol mode with carburettor
Engine completely equipped with fuel lines and temperature sensors for exhaust gas and cooling water
Diesel mode with direct injection
Fuel hoses with self-sealing quick-release coupling.

Technical Specification :

Water-cooled single-cylinder engine
Power output: approx. 6kw at 3.000min⁻¹
Adjustable ignition point: 20° after tdc to 60° before
Displacement: 470cm³
Stroke: 74mm
Bore: 90mm
Max. Compression pressure: 60...70bar
Compression ratio 1:5.5...1:19.



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