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Product Name :
Gas Turbine Jet Engine

Product Code :
LBNY-0005-103000132



Description :

Gas turbine with radial compressor and axial turbine as jet engine
Experiments relating to the function and behaviour during operation of a jet engine
Turbine mounted on moving base with force sensor for thrust measurement
Electric starter for fully automatic start-up
Single-shaft engine
Additional remote control for display and control of the jet engine
Protective grating for the jet engine.

Technical Specification :

Technical Data:

Jet engine
Fuel consumption: max. 22L/h (full load)
Exhaust gas temperature: 610C
Max. thrust: 82N at 117000min-1
Speed range 35000...117000min-1
Sound level at 1m distance: max. 130dB(A)
Starting system: electric starter
Fuel: kerosene or petroleum + turbine oil
1 tank for fuel: 5L
Measuring ranges
Temperature: 2x 0...1200C / 1x 0...400C
Force: 0...+/-200N

Speed: 0...120000min-1
Differential pressure: 0...150mbar
Combustion chamber pressure: 0...2,5bar
Fuel consumption: 0...25L/h.



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