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Product Name :
Characteristic Variables Of Hydraulic Turbomachines

Product Code :
LBNY-0005-103000191



Description :

Experiments on turbines: closed water circuit for supplying turbines
Pipes and fittings made of PVC
Digital displays for pressures, flow rate, speed and torque
3-phase AC motor for pump with variable speed via frequency converter
Determining characteristic variables of a centrifugal pump
Non-contact speed measurement at the turbine shaft and force sensor at the brake for measuring the torque
Experiments on a pump in a closed water circuit with storage tank and flow control valve to adjust the back pressure.

Technical Specification :

Technical Data:

Standard centrifugal pump
Max. head: 23,9m
Max. flow rate: 31m³/h
Drive motor with variable speed
Storage tank: 250L
Power output: 2,2kW
Speed range: 0...3000min⁻¹
Measuring ranges
Torque: 0...20Nm
Flow rate: 0...40m³/h
Speed: 2x 0...4000min⁻¹

Pressure: 2x 0...4bar abs.



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