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Product Name :
Demonstration Francis Turbine

Product Code :
SCHOOL-FUD810009



Description :

Demonstration Francis Turbine

Technical Specification :

FEATURES:

Design and function of a Francis turbine

Determination of torque, power and efficiency

Graphical representation of characteristic curves for torque, power and efficiency

Determination of mechanical output

Determination of efficiency

Recording of characteristic curves

Investigation of the influence of the guide vane position on the power output

Velocity triangles

SPECIFICATION:

Turbine:

Output: approx. 350W at 1500min⁻¹, 270L/min, H=15m

Max. Speed: 3000min⁻¹

Rotor:

11 blades

Medium diameter: 60mm

Measuring ranges:

Torque: 0...9,81Nm

Pressure: 0...4bar abs.

Speed: 0...4000min

Distributor:

7 vanes

Angle of attack: 0...20°

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