Product name:	Product code:
Characteristic Variables of Hydraulic Turbomachines	Fluid Equipments0039



Description

Characteristic Variables of Hydraulic Turbomachines

Technical specification

- Power output: 2,2kW
- Speed range: 0...3000min-1
- Storage tank: 250L

Measuring ranges

- Pressure: 2x 0...4bar abs.
- Flow rate: 0...40m³/h
- Torque: 0...20Nm
- Speed: 2x 0...4000min-1

Characteristic Variables of Hydraulic Turbomachines

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

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Technical Data

Standard centrifugal pump

- Max. head: 23,9m
- Max. flow rate: 31m³/h

Drive motor with variable speed