



HYDRAULIC DIDACTIC TRAINING BENCH - BHT3 HYDROSTATIC TRANSMISSION

The **hydrostatic transmission bench BHT3** is intended for training in **mobile hydraulics**.

It offers the possibility to understand the basic principles of a **closed circuit**. It is equipped with a **POCLAIN pump** with its **configured calculator by computer**.

All the receivers (motors and cylinders) are coupled to opposing loads or actuators to **simulate a resistance force as real mobile machinery**.

A **data logger kit** with flow, pressure and temperature sensors allows **taking measurements** at different points in the circuit.

Details of the hydraulic training bench BHT3

- ✓ Electric motor 5.5kw three-phase coupled with a hydrostatic pump 18cm³ + boost pump 7 cm³,
- ✓ Hydraulic motor with inertia load of 40 Kg,
- ✓ System to separate the opposing motors,

- ✓ Exchange valve and pressure relief valve,
- ✓ Cooling the circuit by an air cooler 2 pass,
- ✓ Joystick control simulating the forward and reverse direction,
- ✓ Measurement and data logger device for flow, pressure and temperature.

