



HPELEC 2

**Hydraulic motor pump
for electro-technical training**

PRESENTATION

In the range of Industrial application Function kits, **LEROY-SOMER** has produced the **HPELEC 2**. It is designed for use in experiments and for checking wiring of control units.

In addition the **HPELEC 2** can be used with the SYSTELEC or COFELEC equipment as the Function kit of the pre-wired baseplate chosen within the CÂBLELEC options.

HPELEC 2 uses a small motor pump of 1.5kW. The assembly is mounted on 4 trolley wheels 2 of which are lockable, allowing a high degree of mobility.

Training applicable:

Engineering Degree,
Technical qualification.

COMPOSITION

The bench is made of the following elements:

- a squirrel cage 3-phase asynchronous motor LSMV90 type / 1.5kW at 1450 min⁻¹ / 230/400V, 50Hz, with thermal probes of CTP type.

- a hydraulic pump with gearings of 15 cm³/tr (recommended oil: 32 or 46 centistock).

- a tank of 30 l of RAL 3020 colour with a locking filler plug and a drain plug.

- An analogue flow meter

MR (measurement range) 0 to 100 l/min

Signal: 4 – 20 mA, supply: 24V DC

The signal: 4 – 20 mA is calibrated to the requirements of the motor pump.

- a pressure limiter.

- a gauge from 0 to 60 bars.

- a flow limiter G3/8.

- analogue pressure gauge

MR (measuring range) 0 to 60 bars

Signal 4 – 20 mA supply 11 to 30V DC

Sizes: Height = 0.79 m / Length = 0.53 m / Width = 0.32 m

Weight: 48 kg without load

CONNECTIONS

3 types of possible connections:

DID Version: a connection terminal plate fitted with safety sockets. It allows the use of safety plugs with a diameter of 4 mm for the motor.

• **CNT Version:** a male depinning industrial connector mounted on an aluminium plate.

The female is a covered socket fitted with a cable output by gland.

• **IND Version:** the motor box with industrial terminals.

This option allows the cabling and the motor coupling in industrial conditions.



DOCUMENTATION

A CD-Rom is supplied with the test bench, including:

- a file with the technical resources (plans and diagrams, technical manuals for the different materials, instructions for commissioning and maintenance).

- a file with tutorials, including a digitalisation of the product and its sub assemblies, under SOLID WORKS.

Complying with the requirements of the **CE** marking
Complying with the Low Voltage and Machine Directives

CONTACT :



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