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## EHP

### DC Electric Hydraulic Tester



**AREL – EHP series dynamic type hydraulic ground support devices (GPU) are products specially designed for the control and maintenance of hydraulic equipment of aircraft inside or outside the hangar. It is environmentally friendly with its silent structure and zero exhaust emissions. Thanks to its compact structure and superior maneuverability, it can be used easily with a single operator.**

**AREL -EHP series hydraulic GPUs, which can produce hydraulic power and DC output at the same time as standard, have been produced in a convenient and compact structure with more than 30 years of experience with asynchronous electric motors and Arel special design. With a wide range of products, AREL manufactures products to meet the needs of all aircraft and helicopters in the civil and military aviation industry.**

**EHP series dynamic type hydraulic ground support devices (GPUs) can be transported by Skorsky helicopters thanks to their compact structure.**

### ENGINE

- 15kW
- 1,500 rpm
- star triangle work
- 380V, 50Hz, 23A
- asynchronous
- IP23
- H class insulation

### HYDRAULIC PUMP

- 15 kW, 1.500 rpm
- 45cc flow adjustable
- 60 lt/min

### PERFORMANCE

- 28.5V DC – 200A continuous current
- Max 4.500 PSI
- Continuous 3,000 PSI
- double outlet aircraft fill valve

### PANEL

- oil temperature gauge
- working time clock
- DC Digital Ammeter (250A, 60mV, with shunt)
- DC Digital Voltmeter (0-50V)
- AC Digital Voltmeter (mains)

- DC - Start-stop button (illuminated)
- Fault warning lamps
- battery charge lamp
- Reset button
- Various warning lights
- Automatic fuses
- Emergency stop button

## **CAB and TRAILER**

Trailer;

- Robust structure made of U Profile steel sheet
- Double axle with ball joint system that can rotate +/-30°
- Parking brake, actuated by the drawbar, controlling the rear wheels
- 4,80x4 pneumatic rubber wheels
- Chassis mounted 102 lt hydraulic oil tank

Cabin;

- Robust construction made of steel sheet
- compact design
- Electrostatic powder oven paint
- Removable covers for ease of maintenance
- Recessed control panel protected from external influences

## **HYDRAULIC PUMP & INSTRUMENT PANEL**

- LCD panel specially designed by our company, which can display all pump output and hydraulic output pressures of the hydraulic tester as PSI and BAR.
- flowmeter

## **HYDRAULIC BLOCK**

- double outlet
- Flow and pressure adjustable separately
- Changeable flow settings of the pump and both outlets
- Adjustable pressure regulating valves of both outlets
- Pump safety fuse valve (under block)
- pump pressure regulating valve
- Pump working pressure regulating valve
- Outlets and return sampling taps

## **EXIT**

- 10 mt - 2x20mm<sup>2</sup> DC output cable and NATO standard DC output connector (MS 25488-27)
- Cable wrap hooks on cabinet
- double output
- 2 pieces of 10 mt 1/2 hydraulic pressure hose
- 2 pieces of 10 mt 3/4 hydraulic suction hose

## **PROTECTIONS**

- DC high current protection (in case of overcurrent, it cuts the output at the end of the specified limit and time and gives an audible and light alarm)
- hydraulic oil overheat protection
- Hydraulic oil level protection

## **STANDARDS and DIMENSIONS**

- ISO 9001:2015
- CE
- IATA Norms
- MS 704F
- ISO 6858-2017
- SAE ARP 5015B

Width – Length – Load: 126 cm – 135 cm – 115 cm.

Weight: 750 kg

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