

Test bench for Alouette III rescue winch

>PWP1<



The test bench is developed for testing the ALOUETTE III Rescue Winch.

It tests cable load, cable speed, cable linear travel and current consumption.

It is possible to adapt this test bench for other rescue winches as used in other helicopter types.

- > Tests:
 - Loading up to 2.4 kN
 - Speed up to 0.6 m/s
- > Re-winding of rescue winches

MISCELLANEOUS

- > The test bench has an ergonomic and compact design
- > Tests are carried out using the PLC touch screen or by remote control
- > The test bench can be transported by fork lift truck or by crane

TECHNICAL DATA

<p>> Compressor (pneumatic supply for the winch):</p> <p>Pressure: max. 8 bar (116 psi) Flow: max. 2.5 m³/min (88.3 scfm) Noise level: max. 71 dB(A) Nominal power: max. 18.2 kW</p>	<p>> Dimensions and weight:</p> <p><u>Test bench:</u> Length: 900 mm (2.9 ft) Width: 950 mm (3.1 ft) Height: 1900 mm (6.2 ft) Weight: 550 kg (1213 lb)</p>
<p>> Electrical supply:</p> <p>Mains supply: 3/N/PE AC 50 Hz 400 V Nominal current: 45 A Power: 31.2 KVA Back-up fuse: 63 A</p>	<p><u>Switch cabinet:</u> Length: 500 mm (1.6 ft) Width: 1000 mm (3.3 ft) Height: 2200 mm (7.2 ft) Weight: 260 kg (573 lb)</p>
<p>> Measurement range:</p> <p>Loading: 0 - 5 kN ± 10 N Voltage: 0 - 32 VDC ± 0.5 % Current: 0 - 5 ADC ± 0.5 % Flow: 100 - 2000 l/min ± 2.5 % (3.5 - 70.6 scfm) Pressure: 0 - 10 bar ± 0.25 bar (0 - 145 psi) (± 3.6 psi) Stroke: 0 - 30 m ± 0.15 m (0 - 98.4 ft) (± 0.5 ft) Speed: 0 - 0.6 m/s ± 0.003 m/s (0 - 1.97 ft/s) (± 0.009 ft/s)</p>	<p><u>Compressor:</u> Length: 1470 mm (4.8 ft) Width: 795 mm (2.6 ft) Height: 1070 mm (3.5 ft) Weight: 435 kg (959 lb)</p>

OPTIONS

A wide range of options is available to fulfil our customers' requirements.
 e.g.: Adaption for different rescue winches and helicopter types, etc.