

Cabin Pressurization Trolley

>CPT900-13<



EMBRAER CERTIFIED

Developed for performing pneumatic pressure tests on EMBRAER E2-Jets (model types 170/175 and 190/195) and according to GSE Design Specification GSEO: 10002804549, Rev. 04

Serves for performing the following tests:

- > Cabin pressurization Leakage (acc. to AMM 21-31-00)
- > Positive Pressure Relief (acc. to AMM 21-32-00)

It is possible to adapt this trolley for other aircraft types.

- > Measurements:
Digital: cabin pressure and air flow
Analog: outlet pressure, temperature and vertical speed (rate of climbing).
- > Integrated roots blower to generate the pressures and flows necessary for pressure tests
- > Integrated cooler for a max. outlet temperature of 60°C (140°F)
- > Heat protection cover to protect the operator during test runs
- > Storage box for hose, adapter and tools and holding for supply cable storage

GENERAL INFORMATION

- > 6" Cabin air supply hose (8m long [26ft]) incl. adapter for connection to A/C for example adapter AGE-01524-401
- > Cabin pressure sensor hose (8m long [26ft]) incl. female connection, to be installed on male fitting for example AN832-4D
- > Chassis with turntable steering, solid rubber tires and integrated automatic parking brake with openings for transport with fork lift truck
- > Air inlet filter, silencer, safety valve
- > The unit is identified with the CE marking and a declaration of conformity will be issued

TECHNICAL DATA

<p>> Electrical supply:</p> <p>Mains supply: 3/N/PE AC 50/60Hz 400-480V</p> <p>Nominal current: max. 135A</p> <p>Power: approx. 112kVA</p> <p>Back-up fuse: 200AgG</p> <p>Connection: 12m (39ft) supply cable</p> <p>Plug connection: Marechal DS9-150A</p>	<p>> Medium:</p> <p>Ambient air</p>
<p>> Pneumatical parameters:</p> <p>Pressure: max. 0.9bar (max. 13psi) safety valve according to PED97/29/EG</p> <p>Flow: max. 25,500NI/min (max. 900scfm)</p> <p>Manual flow control: 0 to 25,500NI/min (0 to 900scfm)</p> <p>Outlet temperature: max. 60°C (max. 140°F)</p> <p>Scfm/NI - standard</p> <p>Reference conditions: 1013mbar, 20°C</p>	<p>> Measurement range:</p> <p><u>Pressure:</u> (1x) Range: 0 to 1bar (0 to 15psi) ±1% o.m.r.</p> <p><u>Pressure:</u> (1x) Range: 0 to 1bar (0 to 15psi) ±1% o.m.r.</p> <p><u>Flow:</u> Range: 0 to 25,500NI/min (0 to 900scfm) Tolerance: ±3% o.f.s.</p> <p><u>Vertical speed:</u> Range: -6,000 to +6,000ft/min</p> <p><u>Temperature:</u> Range: -20 to +80°C (-4 to +176°F) Tolerance: ±2% o.m.r.</p> <p>o.f.s.of full scale o.m.r. ...of measuring range</p>
<p>> Operating conditions:</p> <p>Ambient temperature: +5 to +40°C (41 to 104°F)</p> <p>Storage temperature: -20 to +50°C (-4 to 122°F)</p> <p>Altitude: up to 4,270m above MSL (14,000ft)</p> <p>Rel. humidity: 10 to 95% (non-condensing)</p> <p>Sound pressure level: max. 80dB(A) in 4.57m (15ft) distance</p> <p>Towing speed: max. 10km/h</p>	<p>> Dimensions and weight:</p> <p>Length: 5,140mm (202in) (towing bar in vertical position) 6,200mm (244in) (towing bar in horizontal position)</p> <p>Width: 1,600mm (63in)</p> <p>Height: 2,630mm (103in)</p> <p>Weight: approx. 3,780kg (approx. 8,330lb)</p>