

Cabin Pressurization Trolley

>KDP8<



Developed for performing pneumatic pressure tests on the aircraft type MITSUBISHI MRJ according to ATA Chapter 21.

Serves for verifying cabin tightness as well as for testing the security valve at the aircraft.

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

- > Measurements:
Outlet and cabin pressure, flow, temperature and vertical speed (Vertical Speed Indicator)
- > Integrated roots blower to generate the pressures and flows necessary for pressure tests
- > Integrated aftercooler for a max. outlet temperature of 60°C (140°F)
- > Heat protection cover to protect the operator during test runs
- > Chassis with turntable steering, solid rubber tires and integrated automatic parking brake
- > Box for hose storage
- > Holding for supply cable storage

TECHNICAL DATA

> Electrical supply:

Mains supply:	3/PE AC 60Hz 440V
Nominal current:	max. 102.3A
Power:	approx. 78kVA
Back-up fuse:	160AgL
Connection:	20m (65ft) supply cable
Short circuit current:	max. 120kA

> Pneumatical parameters:

Pressure:	max. 0.9bar (max. 13psi)
Flow:	max. 900scfm (max. 25,500NI/min)
Flow control:	0 to 900scfm (0 to 25,500NI/min)
Outlet temperature:	max. 60°C (max. 140°F)

> Operating conditions:

Ambient temperature:	-10 to +50°C (14 to 122°F)
Storage temperature:	-10 to +60°C (14 to 140°F)
Altitude:	up to 1,000m above MSL (3,280ft)
Rel. humidity:	10 to 95% (non-condensing)
Towing speed:	max. 10km/h

> Medium:

Ambient air

> Measurement range:

Pressure: (2x)

Range:	0 to 1bar	(0 to 15psi)
Tolerance:	±0.6% o.m.r.	

Flow:

Range:	0 to 900scfm	(0 to 25,500NI/min)
Tolerance:	±2.5% o.f.s.	

Temperature:

Range:	-20 to +80°C	(-4 to +176°F)
Tolerance:	±2% o.m.r.	

o.f.s. ... of full scale

o.m.r. ... of measuring range

> Dimensions and weight:

Length:	4,380mm	(172in)
	(towing bar in vertical position)	
	5,350mm	(211in)
	(towing bar in horizontal position)	
Width:	1,870mm	(74in)
Height:	2,350mm	(93in)
Weight:	approx. 2,500kg	(approx. 5,512lb)



Rear view with heat protection cover and cable holding



Control panel