

ABS-580

PASSAGERS STAIRS SELF-PROPELLED



DESCRIPTION

This self-propelled passengers stair provides access under the best possible conditions of safety and comfort for passengers of narrow, medium and wide body aircraft with a door sill height between 2,20 and 5,80 m. The stair is a telescopic stairway type and its height may be adjusted step-by-step allowing the passengers to embark and disembark in total comfort. The extruded-aluminium steps have a highly efficient non-slip surface, offering additional safety, anodised handrails and bright stairway lighting. All driving and aircraft approach operations are carried out from the open driving station (option Driving cab), which provides perfect visibility of aircraft. These operations are carried out under the best conditions of safety and comfort.

SPECIFICATION

ENGINE

PERKINS 404C-22 - 4 cylinders Diesel

TRANSMISSION

Automatic transmission

STEERING

Hydrostatic type on front wheels.

FUEL TANK

Capacity 80 liters / 21 US. gallons.

HYDRAULIC TANK

Capacity 80 liters/21 US. gallons.

FRONT AXLE

Heavy duty, rigidly-mounted front axle.

REAR AXLE

Rigidly-mounted rear axle.

WHEELS AND TIRES

215 / 75 R -17.5

DYNAMIC BRAKES

Hydraulic braking on 4 wheels with hydraulic assistance.

Dry disks on front wheels and drums on rear wheels. For maximum safety, front and rear brake circuits are independent.

PARKING BRAKE

The rear drum brake are remotely operated from the driver's seat by a lever and cable to lock the rear wheels.

HYDRAULIC CIRCUIT

The hydraulic system features a gear pump and a manually operated valve tank.

ELECTRIC EQUIPMENT

12 V circuit.

55 amps Alternator.

Battery master switch.

Stairway lighting with 14 lights.

Front headlights.

Brake lights, Reverse lights.

Turning indicators, front and rear.

Waterproof electrical cabinet in cab.

1 working light in front of the cabin

Illuminated dashboard comprising all functions and unit

Position indicators.

Spring apply / solenoid release latch.

MANUEL BACK-UP

In the driving station, a manual pump enables the emergency operation of all hydraulic elements on the unit via the manual valve bank in case of engine failure.

PAINTING : White RAL 9016 color

OPTIONS

Open or closed canopy

Driving cab kit

Open Steel cab

Cab door

Rotating beacon

Rear light protections

Cabin heating

Working light

Special paintwork

Timer on stair's lighting system

VIP Kit.

Protection KIT

EC KIT « safety straps »

DEUTZ F4L1011F engine (4 cylinders Diesel)

2750 mm (108") width platform

Anti-reverse safety system on PST1 transmission

Due to a continuous program of research and development,
Tolerances of mentioned data: +/- 5 %
Specifications may be altered as a constant effort to improve performance.

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FONCTIONAL CHARACTERISTICS

Minimum platform height	2200 mm
Maximum platform height	5800 mm
Maxi load	5920 kg or 74 persons
Moving speed	0 to 20 km /h (with Perkins 404 22 + PST1 transmission)
Moving speed	0 to 16 km /h (with Deutz F4 L 1011 + PST1 transmission)
Wind resistance raised position	125 km/h
• with open sides canopy	90 km/h
• with closed sides canopy	75 km/h

PASSENGER STEPS

All driving and aircraft approach operations are carried out from the cab.

The ABS 580 offers a great manoeuvrability thanks to its hydrostatic steering system.

The stair can swivels on the sub frame. Its tilting angle can be adjusted with the tilting cylinders, which enable precise positioning of the platform in respect to the aircraft doorsill.

4 vertical cylinders with ball-joint base plates ensure ground stabilisation.

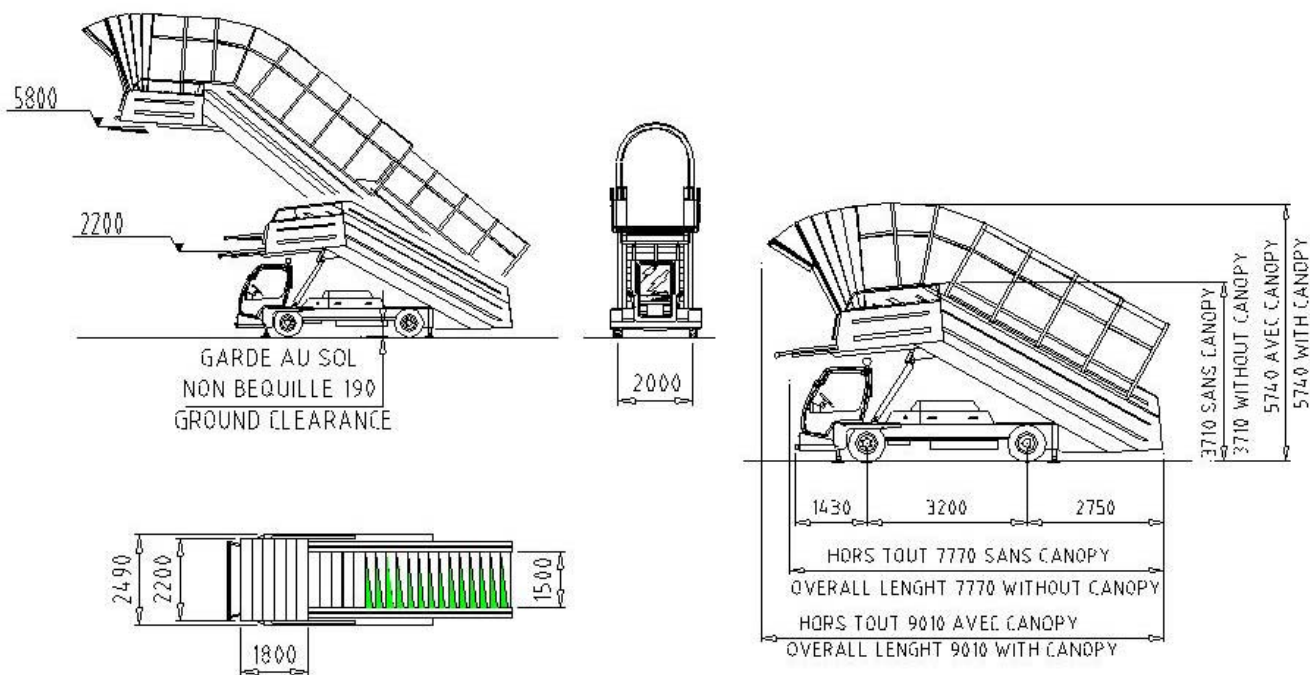
The spacious top platform is equipped at the front with a self-adjusting sliding and swivelling platform, which enable automatic docking with the aircraft.

All surfaces, which are in contact with the aircraft, are protected with rubber strips.

The stair handrails are made of reinforced foam aluminium sandwich panels. Those panels include the anodised aluminium tube handrails and the lighting units.

The ABS 580 features a notch-bar on each side for electromechanical latching.

The latches will automatically retract while lowering the telescopic flight.



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Some views may show optional equipment.