



MOBILE PASSENGER BOARDING STEPS SPECIFICATION - MPS2447

MODEL MPS 2447: SUITABLE TO SERVICE
DOORSILL HEIGHTS 2.4 M TO 4.7M AIRCRAFT
TYPES - ALL B707, B727, B737, B757 VARIANTS,
A318-321, IL-18, IL-62, IL76 and IL-114

General specification

Parallelogram type with treads pivoting on full length stringers. Robust all steel construction, the stair flight is mounted on chassis sub-frame of Eicher 1050.

Automatic lift-mast locking mechanism fitted to protect against hydraulic failure when elevated.

The stair treads and mid landing & top-platform walking-area are surfaced with grip-faced aluminium tread-plate.

Sliding doors on top platform with hand-operated spring-bolts at both sides of the top-platform to facilitate opening the aircraft doors with the Steps interfaced with the Aircraft. Leading edges fitted rubber buffering. A pivoting-section with rubber buffering is fitted at the leading edge of the top-platform to compensate with fuselage contours.

The stair has tubular-steel side/hand rails with a mid-rail and clad with aluminium panels, fitted to both sides of the stair-flight. Full aluminium panels are fitted to the sliding rails at each side of the top-platform. All hand railing fitted with plastic covering available in a range of colours.

Tubular-steel pushrails is fitted at the rear end of the chassis both sides, providing a conveniently positioned hold for pushing and pulling.

The chassis rear suspension is compressed and held and stair fitted with "fold down" first stair to give ground clearance. The chassis would be modified to allow for fitting of the main stair to be attached, the cab would have the controls mounted on the dashboard and roof fitted with glass to enable operator to see as approaching the aircraft.

Standard Finish

Chassis-Frame, are Painted with zinc rich primer & single Corporate colour topcoat.

High-visibility (red 'day-glo' painted) markings, are applied to front/rear chassis corners

Options / Extras

- Special Corporate or Identification markings.
- Additional Visibility markings.
- Battery electric/hydraulic powered elevation
- Battery powered stairway illumination.
- *Stainless-steel rod in lift-cylinder
- * (Recommended in a salt-laden environment)

Maximum Permitted Loads

Each Step 225kg = 2 Persons

Mid Landing 455kg = 4 Persons

Top Landing 900kg = 10 Persons

Overall Weight : 3750kgs (Without chassis weight considered)

Approximate Dimensions:

Height range : Min 2430mm (96 in) Max 4140mm (163 in)

Stair riser hgt: Min 100mm (4in) Max 215mm (8.5in)

Stair Tread Depth: 270-330mm (10.63-13in)

Stair Tread Width: 1120mm (44in)

Width Inside Handrails: 1275mm (50.2in)

Top Platform Width: 1600mm (63in)

Top Platform Length: 1650mm (65in)

Overall Length Lowered: 8400mm (330.7in)

Overall Height Lowered: 3050mm (120in)

