

Fire Rescue Stair

FRS 6x6

Technical Specification



Qualities

The Mallaghan Fire Rescue Stair has been developed for rapid emergency evacuation of aircraft passengers and offers:

- Serving main deck doors of wide body aircrafts such as A330, B747, B777
- Ease of use
- High drive stability & Robustness
- Safe working conditions
- Commercially competitive



Chassis

- VOLVO FMX 6x6, other chassis available upon request
- Cab type: FMX Day cab
- Drivers Cab with 1 driver + 1 co-driver seats
- 2 equipment compartments (stainless steel frame) located underneath stairway, enclosed with roller shutter doors, or hinged pull-up doors
- Ground pads for stabiliser feet stored on chassis
- Wheel chocks with storage



Rapid Intervention

- Stainless steel water transfer pipe (telescopic) from ground level to platform
- Fire Fighting hose reel on platform with flexible hose (length 30m)
- 'Fireco' UHP system (water/foam)
- 'Leader' Fire Ventilator (battery, electric or petrol driven)

Staircase & Platform

- Rescue height: 3.5m to 6.0m
- Hydraulically telescoping and tilting stairway
- Pawl lock system for added safety
- Hydraulic extending platform 1000mm
- Powered platform swivel nose +/- 15°
- Steps and platform remain in horizontal position, regardless of the inclination angle of the stairway
- 'Alusingen' aluminium profile steps
- Height selection: manual height adjustment and preselection of aircraft heights
- Approach system: via front view camera, distance sensors on platform with display in driver cab





Hydraulic Components

- Hydraulic ramp at rear of vehicle with automated adjustment with stair incline
- Hydraulic stabiliser with large swivel feet and computerised automatic levelling system
- Hydraulic DC and hand pump



Electrical Components

- Honda Generator with electric supply to platform
- Battery charger and auto-eject inlet
- Front and rear blue flashing lights
- Blue and Amber beacon
- LED stair lights with sensor and timer
- LED work lights
- LED environmental lights
- Camera system with front & rear cameras (others configurations available)
- CAS (Controlled Approach System)

Manuals, Painting and Decals

- Operating and maintenance manual in chosen language as soft copy and hard copy
- Electric, pneumatic & hydraulic schematics provided
- Label kit in chosen language
- Machine colour to customer preference
- All fabricated parts are shot blasted and treated against rust with two coats each of long-life primer and topcoat PU paint