EINSA GROUND SUPPORT EQUIPMENT

Universal Passenger Step Model EDU

The Self-propelled Universal Passenger Step, model EDU, has been designed for embarking and disembarking passengers on all and W.B. conventional aircraft with sill heights ranging from 2.45m to 5.80m (front door of B737 to rear door of A-340) and can be provided with open or closed cabin and optional canopy. The unit incorporates a hydrostatic transmission diesel engine in an easily removable power pack module and hydraulic steering.

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GROUND SUPPORT EQUIPMENT

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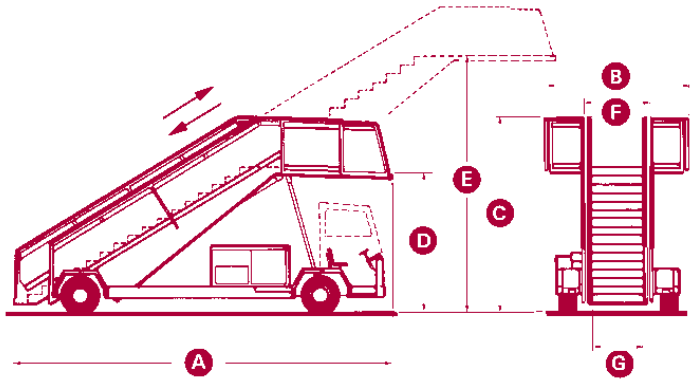
Overall Dimensions and Weight

A	Length (retracted)	7.75 m.
B	Width	3.05 m.
C	Height (retracted)	3.65 m.
	Weight (without cab)	5.800 Kgs

Performance

D	Min. height	2.45 m.
E	Max. height	5.75 m.
F	Step width (upper section)	1.36 m.
G	Step width (lower section)	1.20 m.
	Access platform width	3.00 m.
	Access platform length	2.00 m.
	Maximum speed	25 km/h.
	Inner turning radius	4.00 m.



Brief Technical Specification

- Universal use, from B-737 to B-747. A340
- Air or liquid air cooled 4 cylinder diesel engine
- Extra-wide access platform for passenger comfort and safety
- Wide stairway for two passengers with hand luggage
- Spacious driver's post for 2/3 people situated at the front of the vehicle for improved visibility
- Access platform with swivel floor of 10º to automatically align with the contour of the aircraft fuselage (swivels on rollers)
- Automatic adjustable side panels
- All areas coming into contact with the aircraft are rubber protected
- Easily accessible, removable and interchangeable enclosed power-pack module situated behind the driver's post. The power pack is fitted with fork-lift tineways for safe and simple removal. Module contains: diesel engine, main hydraulic pump, services pump, oil and diesel tanks, batteries, exhaust, etc.
- Since power packs are interchangeable, maintenance or change-over can be performed inside shop or outside, thereby saving floor space
- Interchangeability also means less equipment down-time and more versatility and operational flexibility
- Power pack module is common and therefore interchangeable with the Self-Propelled Conveyor Belt (model CDA-14) and the Self Propelled Cargo Transporter (model TDA-15)
- Brakes: Independent brake circuits: On front axle hydraulic drum brakes. On rear axle hydrostatic braking system (foot –off accelerator, progressive braking). Automatic parking and emergency negative hydraulic braking system on rear traction wheels (440 mKg)
- Rear drive axle with high torque hub motors on each wheel
- Front steering axle
- Hydraulic steering
- Hydrostatic transmission
- 4 hydraulic stabilizers
- Check valves on main telescopic cylinder and for stabilizers
- Automatic stair-locks
- Top platform automatic height adjustment
- Emergency manual pump for retracting stabilizer and releasing brakes
- 12 V. DC electric system with two independent 12 V batteries (stair lights and starting)
- Front and rear pneumatic tires 7.00-2"

A wide range of options is available on request;

- Diesel engine of customer's choice
- Enclosed or open driver's cabin with or without heating
- Wide cab for driver's post for 2/3 persons
- Step width of 1.5m.
- Co-driver's seat
- Standard emergency manual pump includes mobile flight retraction
- Special articulated side panels to reduce contact impact with aircraft and prevent damage to fuselage
- Quick change electric/hydraulic connectors for power-pack removal
- 24 V. DC electric system
- Controls at access platform
- Disc brakes on front axle
- Fully enclosed canopy
- Fire extinguisher
- Rotating beacon
- Reverse buzzer
- Spotlight