

SPECIFICATIONS

Model SPS-3518 – Passenger Stairway

General – The Stinar Model SPS-3518, Passenger Stairway, is hydraulically operated and controlled from the driver's seat. It is designed and engineered to service all aircraft with doorsill heights between 96 and 228 inches. This model is available with many options to meet your specific operational needs.

1.0 Standard Dimensions

1.1 Overall length	312 inches (7925 mm)
1.2 Overall height, lowered	147 inches (3734 mm)
1.3 Overall width	95 inches (2413 mm)
1.4 Step width	48 inches (1219 mm)
1.5 Riser height	7.75 inches (197 mm)
1.6 Step depth	12 inches (305 mm)
1.7 Platform length	83 inches (2108 mm)
1.8 Platform length, with landing	133 inches (3378 mm)
1.9 Platform width	72 inches (1829 mm)
1.10 Minimum floor height	96 inches (2439 mm)
1.11 Maximum floor height	228 inches (5791 mm)
1.12 Shipping weight	13,560 lb (6149 kg)

2.0 Vehicle

- 2.1 Ford F-350
- 2.2 13,000 lb (5909 kg) GVWR
- 2.3 165 inch (4191 mm) wheelbase
- 2.4 6.8L, V10 gasoline engine
- 2.5 Automatic transmission
- 2.6 Heavy duty alternator and battery
- 2.7 Power steering
- 2.8 Power brakes
- 2.9 Vinyl bench seat and floor mats

3.0 Hydraulic System

- 3.1 Engine/belt driven hydraulic pump/electric clutch
- 3.2 Directional control in cab
- 3.3 Auxiliary hand pump for emergency retraction of stabilizers and for lowering stairs

4.0 Electrical System

- 4.1 12 volt chassis
- 4.2 Engine hour meter
- 4.3 Fully illuminated steps and platform

5.0 Construction

- 5.1 Primary structure, steel
- 5.2 Side panels, aluminum
- 5.3 Steps and platform, nonskid aluminum plate
- 5.4 Stainless steel railings
- 5.5 Rubber bumpers located on platform forward edge
- 5.6 Protected by epoxy based primer and polyurethane paint

6.0 Safety Equipment

- 6.1 Lock valves mounted on each pair of hydraulic cylinders
- 6.2 Warning light in cab to indicate stabilizer position
- 6.3 Mechanical locking mechanisms for the main stair section and A-frame
- 6.4 Operator's observation window in cab roof
- 6.5 Hydraulically operated stabilizers located at front, side and rear of chassis

7.0 Options

- 7.1 Adjustable front platform extends 12 inches (305 mm)
- 7.2 Swivel bumper
- 7.3 Canopy (3 styles available)
 - 7.3.1 Lexan
 - 7.3.2 Aluminum roof, vinyl roll-up sides
 - 7.3.3 Aluminum roof, sides with Lexan windows
- 7.4 Rubber stair treads and platform surface
- 7.5 Duplicate controls (electric) from top platform
- 7.6 Alternate chassis, engine and transmission
- 7.7 Ziebart rustproofing
- 7.8 Power pack for emergency down
- 7.9 Additional paint colors
- 7.10 Custom placards

8.0 Aircraft Compatibility

This passenger stairway is capable of servicing:
A-300-600, A-310, A-319, A-320, A-321, A-330, A-340,
B-707-320B, B-727, B-737, B-747, B-747-SP,
B-757, B-767, B-777, DC8, DC10, L-1011, MD-11,
TU-154 and TU-154B aircraft.

BUILT TO CUSTOMER SPECIFICATIONS

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