

CMPS-170

NMC-WOLLARD Chassis Mounted Passenger Stair

A rugged chassis stair designed specifically for the ramp environment — available with AC/DC electric power

Electric AC/DC retrofit kits available for Model CMPS-170



- Reaches doorsills from 77.5" (1.97 m) to 170.5" (4.3 m)
- Stable — operates in winds up to 90 mph (145 kph)
- Modular engine/transmission assembly makes maintenance and repair simple
- Maneuvers around aircraft — only 82" (2.1 m) wide
- Platform rated for 1,900 lbs (863 kg)
- Services aircraft sizes from F-100 to B-767

Extended reach mobile stair

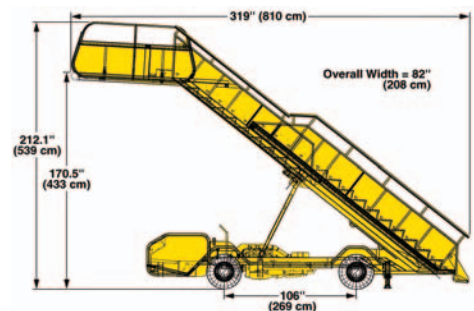
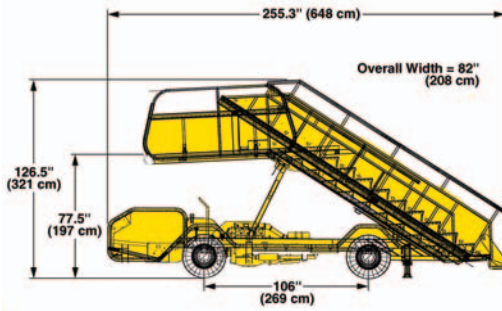
NMC-WOLLARD Model CMPS-170 offers extended reach (from 77.5" – 1.97 m to 170.5" – 4.3 m doorsills) in a maneuverable mobile unit. The ramp-friendly mobile stair gives passenger access to a variety of aircraft including the Boeing 767. The easy-to-position CMPS-170 features an unobstructed operator's station (aircraft doorsill is clearly visible during vehicle approach to fuselage).

Designed for rough ramp work

Wrap-around rolled steel bumper gives protection — lasts longer. Modular engine/transmission makes maintenance and repair fast and simple. Standard features include ergonomic operating controls, off-shelf components for easy maintenance — and the NMC-WOLLARD commitment to quality. It all adds up to better service, longer life and less downtime on the ramp.

NMC-WOLLARD CMPS-170

Specifications subject to change without notice. Photos and illustrations may show optional equipment.



Aircraft Servicing Capability

All aircraft having doorsill heights ranging from 77.5" (1.97 m) to 170.5" (4.33 m).

Overall dimensions/specs

Length, extended319" (8.1 m)
 Length, travel.....255.3" (6.5 m)
 Width..... 82" (2.1 m)
 Height, extended.....212.1" (5.4 m)
 Height, travel.....126.5" (3.2 m)
 Max vehicle speed.....25 mph (40 kph)
 Weight, shipping,7,300 lbs.
 engine driven(3,311 kg)
 Weight, shipping,9,700 lbs.
 electric.....(4,400 kg)
 Ground clearance.....6.5" (0.17 m)
 Turn radius.....18'9" (5.7 m)

Chassis Structure

High strength tubular welded frame rail with continuous heavy pipe rubrail electric welded to frame rails and angled for impact deflection.

Stabilizers

5-point, sequenced hydraulic cylinders with individual hard plumbed check valves.

Stairs

Nominal tread depth.....10.5" (0.27 m)
 Nominal riser height.....7.4" (0.19 m)
 Basic stair angle.....35 degrees
 Nominal tread width (fixed)42" (1.1 m)
 Nominal tread width (adj).....47" (1.2 m)
 Handrail capacity.....200 lbs. (91 kg)

Platforms

Top: 51.1" wide (1.3 m) x 85.9" (2.2 m) deep.
 Operating angle +3 degrees to -3 degrees.
 Capacity 1,900 lbs. (862 kg) - 65 lbs./sq. ft. (317 kg/m²) **Intermediate:** Depth: 34" (0.86 m)
 Capacity 621 lbs. -65 lbs./sq. ft. (282 kg - 317 kg/m²)

Step Capacities

Adjustable: Capacity 343 lbs.(156 kg) - 100 lbs./sq.ft. (488 kg/m²)

Fixed: Step capacity: 306 lbs.(139 kg) - 100 lbs./sq. ft. (488 kg/m²)

Power

Power options include:

- Gas
- LP
- Dual fuel
- Diesel
- Electric AC and DC

Consult factory for details.

Transmission

Ford C-6. Lever shift control with detented F-N-R.

Drive Axle

Heavy duty 5,900 lbs. (2,676 kg) capacity, rigid mounted to frame.

Front Axle

Rugged 4,500 lbs. (2,041 kg) capacity, 73" (1.85 m) track, rigid mounted to frame.

Tires.....8.00/R-16.5LT

Brakes

System.....4-wheel split cylinder
 Front.....disc type
 Rear.....drum type

Electrical System

Type.....12 VDC negative ground
 Battery (gas/diesel).....group 27

Fuel System (gas/diesel)

Fuel Tank.....alum.vented cap, 22 gal (83L)
 Fuel gauge.....mechanical, on tank

Cooling System

Matched to engine requirements

Steering System

Char-lynn power steering control with a single-stage hydraulic cylinder.

Hydraulic System

Hydraulic manifold design includes solenoid operated valves and built-in manual emergency operating system. Components include two (2) single stage lift cylinders, engine driven pump, 1,000 psi hydraulic system, 10 micron return filter, 80 mesh strainer on suction line and aluminum hydraulic tank with sight gauge and breather cap.

Instrument Panel

Warning indicators: engine shutdown, volts, oil, coolant and brakes. Hourmeter standard.

Switches: stair extension, platform tilt, stabilizers, lighting as detailed below.

Standard Lighting Package

Headlights, tail lights, instrument panel, running lights, aircraft approach lighting, stair lighting, platform lighting.

Optional Items

- Backup alarm
- Canopy
- Clearance beacon
- Engine indicator gauges
- Directional signals
- Fire extinguisher
- Rearview mirrors
- Mico lock brakes
- Rubberized stair/platform treads
- Tow hooks
- 850 CCA battery

Dealer/Distributor

NMC-WOLLARD

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