



Zero Emission Electric Power Available

Collision avoidance system (CAS)

No Touch Protection: 3D infrared sensor based system to ensure full IATA 913 Collision Avoidance Compliance

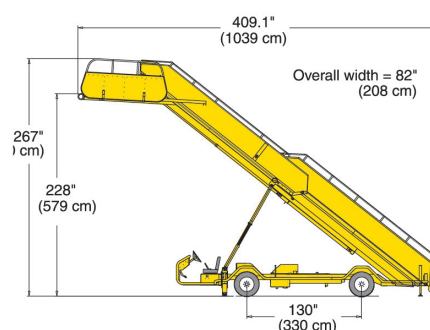
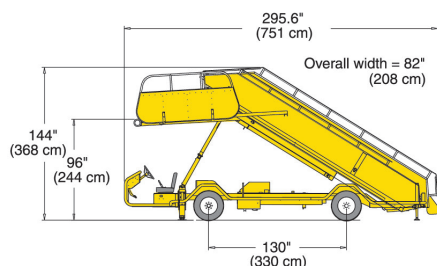
Where high-reach maneuverability meets stability, in a mobile stair.

This extended reach mobile stair services doorsill heights from 96 inches (2.24 meters) up to 228 inches (5.8 meters) in a highly maneuverable unit. A tubular wrap-around steel frame is light weight, fuel efficient and agile for crowded ramp environments.

The easy-to-position stair unit features an unobstructed operator's station allowing clear visibility of the aircraft doorsill during approach to the aircraft. Integrated IATA 913 compliant No Touch collision avoidance systems insures aircraft integrity. The 3D infrared sensor system remains at optimal performance in all weather conditions.

The CMPS-228 is available in electric, diesel, gasoline or LP power options.

Customized configurations for every application are available.



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

Features:

- ✓ Zero emission electric power
- ✓ Low emission Stage V and Tier 4 Final diesel power
- ✓ EPA approved gasoline or LP fuel
- ✓ Factory new automatic transmission
- ✓ Lightweight, fuel efficient, impact deflecting steel frame
- ✓ LED lighting
- ✓ Safety
 - Back up alarm
 - Horn
 - Anti-restart ignition switch
 - Engine safety shutdown (engine dependent; low oil pressure, high temperature)
 - Slip resistant treads with LED lighting for night visibility
 - Four point hydraulic stabilizers
 - Stable – able to operate in winds up to 90 mph (145 kph)
 - Platform rated for 1,900 pounds (863 kilograms)

CMPS-228 Chassis Mounted Passenger Stair

	IMPERIAL	METRIC		IMPERIAL	METRIC
Aircraft servicing capabilities			Stairs (Morton tread)		
Doorsill height	96 – 228 in	224 – 580 cm	Normal tread depth	10.5 in	27 cm
Dimensions			Normal raiser height	7.4 in	19 cm
Length — travel	295.6 in	750 cm	Basic stair angle	35°	35°
Length — extended	409 in	1040 cm	Normal tread width (fixed)	42 in	110 cm
Width	82 in	205 cm	Normal tread width (adjusted)	50 in	127 cm
Height — travel	144 in	366 cm	Hand rail capacity	200 lbs	91 kg
Height — extended	267 in	680 cm	Platform (Top)		
Wheel base	130 in	330 cm	Width	62.8 in	160 cm
GVW (non-electric)	+/- 10,300 lbs	+/- 4,672 kg	Depth	110 in	280 cm
Turn radius	21.5 ft	655 cm	Operating angle	+3° to -3°	
Speed			Capacity	2,850 lbs – 65 lbs/sq ft	1,293 kg – 317 kg/m²
Max speed	25 mph	40 kph	Platform (Intermediate)		
Step capacity			Depth	32 in	81 cm
Fixed section capacity (per step)	306 lbs – 100 lbs/sq ft	139 kg – 488 kg/m²	Capacity	600 lbs – 65 lbs/sq ft	282 kg – 317 kg/m²
Adjustable section capacity (per step)	366 lbs – 100 lbs/sq ft	166 – 488 kg/m²			

Drive System

Engine options

Electric

80V AC with Curtis controller
Lead- Acid or Lithium battery
Onboard charger available

Diesel

Deutz D2.9L (available in Stage V and Tier 4 Final)
Cummins B3.3 (Tier 3, export only)
Deutz 2011 (Tier 3, export only)

Gasoline

Kubota WG2503
Ford MSG425

LP

Kubota WG2503
Ford MSG425

Cooling system

Full size liquid cooled radiator, isolated from vibration

Transmission

Factory new GM 4L70E automatic transmission with separate transmission fluid cooler, with shift abuse protection

Axles

Front: Brierton (standard), Comer (optional)
Rear: Comer

Tires

Front: 8.75R – 16.5
Rear: 8.75R – 16.5

***Note:** Dimensions may change slightly with individual engine packages. Specifications subject to change without notice.*

Systems

Chassis

Lightweight, durable tubular impact deflecting frame
Four point, sequenced hydraulic stabilizer cylinders with individual hard plumbed check valves

Steering

Power assisted

Braking

Four wheel, split cylinder

Front: Disc

Rear: Internal wet disc

Instrumentation

J1939 CAN gauge (Stage V, Tier 4 Final, gasoline and LP)
LED warning indicators
Alternator
Engine oil pressure
Coolant temperature
Brakes
Engine hour meter

Hydraulics

Hydraulic manifold design includes solenoid operated valves
Built in manual emergency operating system

Lighting (LED)

Headlights
Taillights
Brake
Reverse
Work light

Electrical

12V
Maintenance free battery
60 amp minimum alternator (engine dependent)

Configurations

Standard

Retractable seat belt
Engine cover
Engine safety shutdown (low oil pressure, high temperature)
Back up alarm
Anti-restart ignition switch
Zinc rich primer and white or safety yellow polyurethane top coat

Optional

No Touch IATA 913 Compliant Collision Avoidance System
Lithium battery (consult factory for details)
Battery Management System for fast chargers
On board SAE J1772 compliant charger
Canopy, Stairway
Enclosed operators cab
Seat options
Keyed ignition
LED amber beacon light
LED turn signals
Push button start
Rear view mirror
Master disconnect switch
Tow hooks
Fire extinguisher(s)
Spare tire assemblies
Preventive maintenance service kits
Heavy duty winterization package to -40F
No Touch IATA 913 compliant Collision Avoidance System
Custom paint color
Consult factory for additional specialized configurations