

NMC-WOLLARD TC-999 Mongoose® Mobile Belt Loader

NEW conveyor advances/retracts into A.C. — maneuvers corners — saves time, money, fuel

Mongoose is the fast and economical way to load and unload baggage.

Extends around corners — stays level with the aircraft and helps boost crew efficiency.

Conveyor has unique chassis that deflects impacts.

Available in Gas, LP, Dual Fuel, Diesel & Electric.



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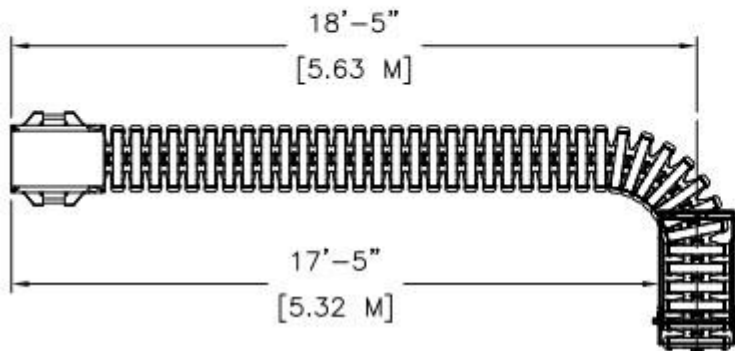
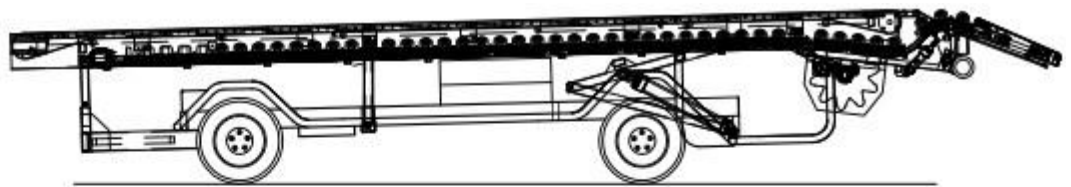
NMC-WOLLARD

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TC999 Mongoose Mobile In-Plane Belt Loader



Aircraft Servicing Capabilities

Door Sill Height...46.5 – 133" (118 – 338 cm)
Rear Bed Height28.7 – 40" (73 – 102 cm)

Chassis

Frame Welded Steel Tubular
Wheelbase 130" (330 cm)
Drive Speed, gas/diesel....25 mph (40 km/hr)
Drive speed, electric, level ... 16 mph (26 kph)
Operating ambient temperature range:
-25°F to +125°F (-32°C to +52°C)
Gradability 10%
Turning Radius (Center of tire) ...22 ft (6.7 m)
Ground Clearance 5.5" (140 mm)

Belt Conveyor

Bed Width31.5" (80 cm)
Belt Width24" (61 cm)
Belt Effective Length 283.5" (7.2 m)

In-Plane Extendable Roller Conveyor

Roller Width 18" (45.7 cm)
Roller Section Length..... 240" (6.1 m)
Roller Spacing6" (15.2 cm)

Capacity

Belt.....2,000 lbs (907.2 kg) distributed
.....200 lbs/sq ft (90.7 kg) concentrated
Rollers..... 400 lbs (181.4 kg) each
Belt/Roller Speed..... 73 fpm (22.3 m/min)

Power Supply

Deutz Diesel
Cummins Diesel
Zenith Gas
Electric AC or DC

Transmission

Ford C-6 remanufactured. Dual lever shift/throttle control with detented F-N-R and mechanical shift/throttle lockout.

Drive Axle

Heavy duty, 3,300 lb. (1,500 kg) capacity, 66" (168 cm) track, rigid mounted to frame

Front Axle

Heavy duty, 6,000 lbs. (2,722 kg) capacity, 71.3" (1.81 m) track, rigid mounted to frame

Tires ST225/75D15 D

Brakes

System 4-wheel split cylinder
Front disc type
Rear drum type
Parking Orscheln lever

Electrical System

24V, 55A Alternator
24/12V Equalizer
12V Controls
24V Rollers
Dual 12V Batteries, Group 4D
Sevcon Roller Motor Controller
IFM Efector PLC

Fuel System

Fuel Tank: aluminum with vented cap and 22 gal. (83L) capacity. Diesels: fuel filter/water separator.

Fuel Gauge: mechanical on tank

Cooling System

Matched to engine requirements

Steering System

Char-Lynn Orbitrol power steering control with single-stage hydraulic cylinder

Hydraulic System

Lift Cylinders single-stage
Valves manually actuated
Pump engine driven
Pressure..... 2,500 psi max. (172 bars)
Filter, on return line 10 microns
Strainer, on suction line 50 mesh
Hydraulic Tank aluminum with sight gauge and breather cap

Instrument Panel:

Platform Level, Auto/Manual Level
Conveyor Bed Up/Down, Platform Up/Down

Status Indicator Light Panel

Warning indicators Volts, oil, coolant and brakes

Switches..... Running lights, front spotlight

Belt/Roller Electric Controls:

Forward, Reverse and Stop at front of bag table & rear of bed
Pulsing alarm for three seconds before belt/roller start

Emergency stops

4 corners on conveyor bed plus both sides of bag table

Roller Back-Up Power features:

Electric Emergency Hydraulic Pump
Manual Hand crank with brake release
Alarm indicating auto level failure

Operating & Shipping Data

Length 336" (853 cm)
Width 82" (208 cm)
Height..... 50.5" (128 cm)
Weight..... 8,060 lbs (3,656 kg)

Optional Items

Fuel gauge on instrument panel
Retractable package guide (3-3/4" (9.5 cm) high)
Rear work spotlight
Engine indicator gauges
Directional signals
Fire extinguisher
Mico lock brakes
Personnel seats

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