Description
The 929 (Standard) is a self-propelled, dual-platform loader designed to transfer 610 cm (20 ft) ULD’s weighing up to 15 000 kg (33,000 lbs.) With the ability to interface 178 cm (70”), 254 cm (100”), or 356 cm (140”) doors, this heavy-duty loader can be used to service the following aircraft:

- **Lower Lobe**: 747, 757, 767, 777, DC-10, MD-11, L-1011, A300, A310, A320, A330, A340, A380
- **Main Deck**: 707, 727, 737, 747, 757, 767, A300, A310, A320, A330, A340, A380, DC-8, DC-9, DC-10, BAE-146, MD-11, MD-80, L1011

Standard Features
- **Engine**: Caterpillar C4.4 Tier III electronic diesel in swing-out module protected against overheat, low fluids
- **Bridge**: Power trays, fold-down handrail, right side extending walkway/handrail, triple stainless steel chains, MDW’s for side shift, bridge tilt
- **Elevator**: Triple stainless steel chains for straight transfer, MDW’s for side transfer and dual rotate, powered rollers around periphery
- **Vehicle Drive**: Front wheel drive with heavy-duty
- **Rear Wheels**: Dual bogeys, fully adjustable even fully loaded
- **Stabilizers**: Two provide excellent stability, rock back into stowed position for towing.
- **Emergency Pump**: Battery-powered back-up for platforms down, clear decks, stabilizers up
- **Diagnostics**: Push-button troubleshooting, remembers intermittent short and open wires
- **Switches, Harnesses, Connectors**: Rated for IP65 protection from water and corrosion

Interface and Cargo Transfer Dimensions

Tolerances of mentioned data: +/- 5 %
Specifications may be altered due to a constant effort to improve performance.
Overall Specifications
Wheelbase 566 cm (223")
Track Width Front: 208 cm (82")
Rear: 272 cm (107")
Height Lowered: 302 cm (119")
Raised: 686 cm (270")
Size 417 W x 1 120 L cm
(164" W x 441" L)
Weight 26 400 kg (58,000 lbs)
Drive Speed 14 km/h (0 to 8 mph)
Transfer Speed 18 m/min (60 ft/min)
Lift Capacity 15 000 kg (33,000 lbs)
for 610 cm (20 ft) ULD's

Bridge Specifications
Height Lowered: 193 cm (76")
Raised: 570 cm (224")
Length 396 cm (156")
Width 409 cm (161")
Lift Speed 7,6 m/min (25 ft/min)
Tilt (standard) ± 4 cm (1.6")
Side Guides 158 cm (62"), 249 cm (98"),
or 325 cm (128") wide
± 7,6 cm (3") side-to-side, forward

Elevator Specifications
Height Lowered: 46 – 63 cm (18" – 25")
Raised: 570 cm (224")
Length Overall: 711 cm (280")
Width 361 cm (142")
Lift Speed 14 m/min (45 ft/min)
Side Guides Fixed at 325 cm (128")

System Specifications
Electrical 24V DC with starter protection
Fuel Tank 121 liters (32 US gallons)
Vehicle Power Engine-driven pump powers unit;
front wheel-mounted motors
Brakes Hydrostatic braking and drum brakes
Hydraulics Drive/Lift: 245 bar (3800 psi)
Other Functions: 207 bar (3000 psi)
24V DC solenoid valves
Hydraulic Tank 246 liters (65 US gallons)
Front Wheels (2): 32" x 12.1" x 15" (solid rubber)
Rear Wheels (8): 12" x 5" x 8" (solid polyurethane)
Steering Angle ± 60°
Turning Outside tire (radius): 8m (26.5 ft)
Wall to wall (dia): 20m (65 ft)

Options
- Engine: Cummins QSB 4.5 electronic Tier III
  Deutz TCD2012 electronic Tier III
- Bridge: Moving console; Auto-level;
  Power right side walkway; Full width bumper
- Controls: Loud horn, Low fuel shutdown; Console
  cover; Ignition and/or Bridge UP/DOWN at Main Box
- Elevator: 152 cm (60") interlock
- Overall: Flashing beacon
- Cold kit: Engine/hydraulic/battery heaters
- Artic kit: Hydraulic re-circulate

Shipping Dimensions
After positioning the bridge at the aircraft door, it is possible to run
a fully loaded elevator through a full cycle (up & down) as quickly
as every 45 to 55 sec! Simultaneously, the 929 delivers excellent
cargo maneuverability on both decks – including dual rotation!

Note: Performance depends on well-tuned engine and hydraulic system. As with
any engine, performance is adversely affected by extreme altitude and climate.