



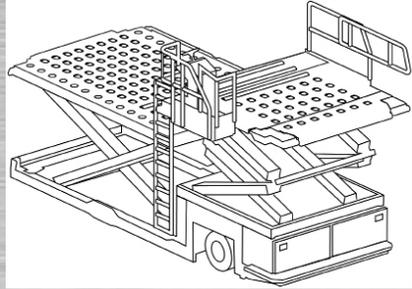
Commander 15i Loader



The Value of Reliability

Commander 15i Standard Features

Specification variances is +/- 5%.



Aircraft	C15i-Standard		C15i-Wide		C15i-Universal	
	Lower Deck	Main Deck	Lower Deck	Main Deck	Lower Deck	Main Deck
B727/B737	NC	①	NC	●	NC	●
BAE146	NC	①	NC	●	NC	●
B757	NC		NC		NC	②
B767	●		③		③	●
B787	●		●		●	●
B777/B747/A300/A330/DC10/MD11	●		●		●	●
A320/A321/A340/A380	●		●		●	

- ① - Wide body door only, wide loader recommended
- ② - B757 Freighter requires Universal 161 loader for rear platform to reach main deck height
- ③ - B767 Standard and 125" wide door
- NC - Non Containerized

Operating Performance

Lift Capacity (Maximum).....7,050 kg (15,500 lb)
 Lift Speed (Rear Platform)..... 13.7 mpm (45 fpm)
 Lift Speed (Bridge)..... 4.6 mpm (15 fpm)
 Convey Speed 18.3 mpm (60 fpm)
 Drive Speed (Maximum).....11 km/hr (7 mph)
 Turning Radius.....7.9 m (26 ft)

Engine

Deutz TCD 2012 L4, 75 kW (100 hp), Stage 3a/Tier 3

Power Module

Swing-out Power Module with Hinged Front Doors
 Electric Emergency Hydraulic Pump
 PDM Gauges - Oil Pressure, Voltmeter, Engine Temperature

Main Frame

Hydrostatic Drive Propulsion with Hydraulic/Dynamic Braking
 Hydraulic Activated Stabilizers - 6
 Solid Rubber Tires Mounted on Independent Drive Modules

Operator Station

Separate Driver and Operator Consoles
 Powered Adjustable Platform - Forward and Aft
 Engine Start/Stop Switch - Dual Master

Controls and Instruments

Lighted Instrumentation Panels
 Keyless Ignition Switch
 Emergency Stop Switch

Bridge

8 Rows of Helirolls® Pallet Side-Shift
 Automatic Drive Speed Limit with Bridge Raised
 Powered Folding Wings with Powered Roller
 Removable Steel Deck Plates

Rear Platform

Right/Left/Rear Pallet Load
 Rear Center Rotation and Pallet Side Shift
 Hydraulic Stops - Rear, LHS, RHS
 HeliRoll® Deck with Steel Rollers
 Removable Steel Deck Plates

Electrical

24-Volt DC with Heavy Duty Starter and 80 Amp Alternator
 Battery - Two (2) x 12V 950 CCA
 PLC Controllers with Diagnostic Read-out
 Headlights, Tail Lights, Reverse Lights, Emergency Flashers, Variety of Beacons and Audible Alarms



Models

Standard

Operating Height - Bridge (Maximum)	3.58 m (141 in)
Operating Height - Rear Platform (Maximum)	3.58 m (141 in)
Operating Width (Maximum)	2.49 m (98 in)
Overall Length	8.69 m (342 in)
Overall Width (Including Cab)	3.61 m (142 in)
Overall Height (Including Cab)	3.02 m (119 in)
Wheelbase	3.25 m (128 in)



Commander 15i Options

Requirement Packages

CE Requirement Package

Alternate Power Sources

Cummins QSB4.5, 82 kW (110 hp), Stage 3a/Tier 3
 Deutz TD.3.6L4, 55 kW (74 hp), Stage 4/Tier 4f
 Electric Powered - Batteries not Included

Rear Platform Configurations

Pallet Platform - 12 Rows of Helirolls
 Forward Stop - 965 mm (38 in) - Rear Platform
 Forward Stop - 660 mm (26 in) - Rear Platform
 Aluminum Deck Plates

Bridge

Automatic Aircraft Height Following
 Bridge Tilt
 Spring Assist and Latch for Folding Handrail
 Non-Folding Hydraulically Extendable Handrail
 Lagged Forward Rollers
 Underside Protection - Bridge
 Walk Deck To Increase Width of Bridge - LHS
 Aluminum Deck Plates

Operator's Cab

Automatic Cab Retract - Drive Mode
 Corner Bumper - Heavy Duty or Soft White
 Vinyl Console Cover
 Toggle Switch Boot
 Light Spring OEM Joysticks
 Variety of Rear View Mirrors - RHS, LHS
 Fixed or Telescoping Staircase (Lower Deck Only)

Rear Platform

Coupler Roller Shaft Protection
 Lagged Rollers - Rear, RHS, LHS
 Roller Protection - Rear and Side Transfer
 Truck Bed Transfer - Rear or Rear and Side - 1.52 m (60 in)
 Truck Bed Transfer - Rear or Rear and Side - 1.65 m (65 in)

Power Module

Main Battery Disconnect Switch
 Batteries for Electric Powered Version
 Engine Instrument Gauges - Oil Pressure, Voltmeter, Temperature
 Filter Minder - Air Filter Indicator (Standard with Cummins)
 Keyed Ignition Switch
 Low Fuel Shutdown
 Manual Emergency Pump - Platform/Stabilizer Retract

Electrical

Auto Chassis Raise/Lower
 Circuit Breakers in Place of Fuses
 Audible Alarms - System Fault, Propel Forward, Rear Platform Raising

Lights

E-Stop - Lighted when Activated
 Beacon, Amber Continuous, On with Ignition
 Beacon - "On" with Drive Mode
 Lights "On" with Ignition
 Work Lights - Front Underside of Bridge and Rear Platform
 Head Lights Protection

Hydraulic

Shutdown - Low Hydraulic Level
 Drip Shield
 Hydraulic Oil Heat Exchanger for Hot Weather with Guard
 Desiccant Hydraulic Oil Tank Filter
 High Pressure Hydraulic Oil Filtration

Maintenance

Center Rear Towing
 Tow Bar Stowage on Side of Chassis
 Jump Start Connector - Anderson

Cold Weather

Winterization to -40°C/°F, 120V or 240V

Fire Extinguisher

Fire Extinguisher (Purple K) - 2.25 kg (5 lb) - Mounted Front RHS

Wide

Universal

Universal 161

3.58 m (141 in)	5.59 m (220 in)	5.59 m (220 in)
3.58 m (141 in)	3.58 m (141 in)	4.09 m (161 in)
3.25 m (128 in)	3.25 m (128 in)	3.25 m (128 in)
8.69 m (342 in)	8.69 m (342 in)	8.69 m (342 in)
4.22 m (166 in)	4.22 m (166 in)	4.22 m (166 in)
3.02 m (119 in)	3.20 m (126 in)	3.20 m (126 in)
3.25 m (128 in)	3.25 m (128 in)	3.25 m (128 in)

Featured Options for Commander 15i

The Commander 15i loader is the latest generation of the best selling loader in the airline industry.

The Commander 15i cargo loader with a maximum lift capacity of 7,050 kg (15,500 lb) provides main and lower deck container loading capability for a wide variety of passenger and freighter aircraft. The Commander 15i is available in configurations including standard, wide and universal. For over 25 years the Commander loaders have proven to offer our customers a lower Total Cost of Ownership (TCO) through a relentless focus on safety, operation, maintenance, reliability and durability.



Aluminum Deck Plates

Aluminum deck plates are rust-free and have a permanent non-skid surface. They are light weight and easily removed for maintenance on the bridge and rear platform.

Aircraft Proximity Detection

A variety of systems designed to reduce aircraft damage by assisting the loader operator to follow correct operating procedures when interfacing with and backing away from the aircraft.



Electric Power Source

Electric power is available with a maintenance free AC motor, controller and (customer supplied) batteries replacing the diesel engine. Up to an average of 100 ULD loads/unloads can be handled between recharges.

Please reference the Commander 15i Electric Brochure for additional information.

GSA Contract Holder
Contract GS-07F-0564W



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