



Commander 15i Loader

JBT AeroTech's 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.



Commander 15i Standard Features

Aircraft	C15i-Standard		C15i-Wide		C15i-Universal	
	Lower Deck	Main Deck	Lower Deck	Main Deck	Lower Deck	Main Deck
B727/B737		①		●		●
BAE146		①		●		
B757	②		②		●	③
B767	●		④		④	●
B787	●		●		●	
B777/B747/A300/A330/DC10/MD11	●		●		●	●
A319/A320/A321/A340/A350/A380	●		●		●	

- ① - Wide body door only, wide loader recommended
- ② - Door width is narrower than loader fixed bridge section
- ③ - B757 Freighter requires Universal 161 loader for rear platform to reach main deck height
- ④ - B767 Standard and 125" wide door

Models	Standard	Wide	Universal	Universal 161
Operating Height - Bridge (Maximum)	3.62 m (143 in)	3.62 m (143 in)	5.59 m (220 in)	5.59 m (220 in)
Operating Height - Rear Platform (Maximum)	3.62 m (143 in)	3.62 m (143 in)	3.62 m (143 in)	4.09 m (161 in)
Operating Width (Maximum)	2.49 m (98 in)	3.25 m (128 in)	3.25 m (128 in)	3.25 m (128 in)
Overall Length	8.69 m (342 in)	8.69 m (342 in)	8.69 m (342 in)	8.69 m (342 in)
Overall Width (Including Cab)	3.61 m (142 in)	4.22 m (166 in)	4.22 m (166 in)	4.22 m (166 in)
Overall Height (Including Cab)	3.02 m (119 in)	3.02 m (119 in)	3.20 m (126 in)	3.20 m (126 in)
Wheelbase	3.25 m (128 in)	3.25 m (128 in)	3.25 m (128 in)	3.25 m (128 in)

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), COM/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 (LED), Reverse Lights, Emergency
 Flashers, Variety of Beacons and Audible Alarms

Commander 15i Options

Requirement Packages

CE Requirement Package

Alternate Power Sources

Cummins QSB4.5, 82 kW (110 hp), COM/Tier 3
Deutz TD 3.6L4, 55 kW (74 HP) COM/Tier 4
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
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
LED Headlights, Marker Lights

Hydraulic

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

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

Aircraft Proximity Detection

Variety of systems to assist loader operator in following correct operating procedures around aircraft





Featured Options for Commander 15i

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.



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.



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.



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