



# 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 20 years the Commander loaders have proven to offer our customers a lower Total Cost of Ownership through a relentless focus on safety, operation, maintenance, reliability and durability.



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# Commander 15i Standard Features

Aircraft	C15i-Standard		C15i-Wide		C15i-Universal	
	MD	LD	MD	LD	MD	LD
B727/B737	①		●		●	
BAE146	①		●			
B757		②		②	③	●
B767		●		④	●	④
B787		●		●		●
B777/B747/A300/A330/DC10/MD11		●		●	●	●
A319/A320/A321/A340/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)	5.58 m (220 in)	5.58 m (220 in)
Operating Height - Rear Platform (Maximum)	3.62 m (143 in)	3.62 m (143 in)	3.55 m (140 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)			
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)			

## 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

## 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  
 Manually Adjustable Platform - Forward and Aft - Standard and Wide  
 Powered Adjustable Platform - Forward and Aft - Universal  
 Engine Start/Stop Switch - Dual Master

## Controls and Instruments

Lighted Instrumentation Panels  
 Keyless Ignition Switch  
 Emergency Stop Switch

## Bridge

5 Rows of Helirolls® Container Side-Shift - Standard  
 8 Rows of Helirolls® Pallet Side-Shift - Wide and Universal  
 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

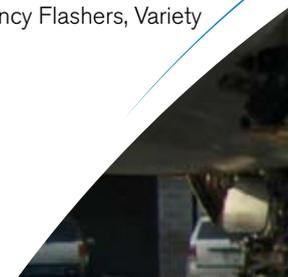
## Electrical

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



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# Commander 15i Options

## Requirement Packages

CE Requirement Package

## Alternate Power Sources

Cummins QSB4.5, 82 kW (110 hp), COM/Tier 3  
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

Powered Operator's Console  
Automatic Cab Retract - Drive Mode  
Corner Bumper - Heavy Duty or Soft White  
Plastic Console Cover  
Toggle Switch Boot  
Light Spring OEM Joysticks  
Variety of Rear View Mirrors - RHS  
Fixed or Telescoping Staircase

## 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  
Keyed Ignition Switch  
Low Fuel Shutdown  
Manual Emergency Pump - Platform/Stabilizer Retract  
Power Module Hold Open Latch  
Engine Exhaust Spark Arrestor

## 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  
Turn Signals

## 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





## 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.



### Telescoping Stairs

Two types of stairs are available in place of standard ladders. One is fixed and accesses the bridge in the down position. The other moves up and down with the bridge allowing for access at all levels.



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