



# Commander 30i Loader

The Commander 30i cargo loader provides the [Value of Reliability](#) with a platform lift capacity of 15,000 kg (33,000 lb) and a bridge lift capacity of 7,500 kg (16,500 lb) or 15,000 kg (33,000 lb) for main and lower deck container loading on a wide variety of passenger and freighter aircraft. The Commander 30i is available in different configurations including standard winged bridge and heavy winged or fixed bridge.

JBT AeroTech's Commander 30i delivers a lower Total Cost of Ownership with a design focused on safety, ease of operation, maintenance, reliability and durability. Features including a HeliRoll® convey system, failsafe control system, a swing out power module and an Onboard Diagnostic System (ODS), provide numerous benefits including lower maintenance costs per hour of operation, greater uptime and higher resale values.



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# Commander 30i Standard Features

## Lift Capacity for Available Configurations

### Standard (Winged Bridge)

Bridge (Maximum) 7,500 kg (16,500 lb)  
 Rear Platform (Maximum) 15,000 kg (33,000 lb)

### Heavy (Fixed or Winged Bridge)

Bridge (Maximum) 15,000 kg (33,000 lb)  
 Rear Platform (Maximum) 15,000 kg (33,000 lb)

Aircraft	C30i	
	Lower Deck	Main Deck
B727/B737/DC8		●
B757		●
B767	①	●
B787	●	
B777/B747/A300/A310/A330	●	●
A340/A380	●	
DC10/MD11	●	●

① - B767 Standard and 125" wide door

## Dimensions

Operating Height - (Maximum).....5.59 m (220 in)  
 Operating Height - Bridge (Minimum)..... 1.93 m (76 in)  
 Operating Height - Rear Platform (Minimum)..... 0.49 m (19.5 in)  
 Operating Width (Maximum).....3.25 m (128 in)  
 Overall Length.....11.2 m (441 in)  
 Overall Width (Including Operator Station).....4.39 m (173 in)  
 Overall Height - (Minimum with Handrails).....3.0 m (118 in)  
 Wheelbase.....4.95 m (195 in)

## Operating Performance

Lift Speed (Rear Platform)..... 15.2 m/min (50 fpm)  
 Lift Speed (Bridge).....4.5 to 5.5 m/min (15 to 18 fpm)  
 Convey Speed..... 18.3 m/min (60 fpm)  
 Drive Speed (Maximum).....11 km/hr (7 mph)  
 Turning Radius.....11.7 m (38.5 ft)

## Engine

Deutz TCD 2012 L4, 103 kW (138 hp), COM/Tier 3

## Power Module

Swing-out Power Module with Hinged Front Doors  
 Electric Emergency Hydraulic Pump  
 Hydraulic Tank with Temperature/Fluid Level/Sight Gauges  
 High Pressure Hydraulic Oil Filtration

## Main Frame

Hydrostatic Drive Propulsion with Hydraulic/Dynamic Braking  
 Hydraulic Activated Stabilizers - 8  
 Solid Rubber Tires Mounted on Independent Drive Modules  
 Rear Bogy Wheels (2 each side) - Adjustable Height  
 Quick Disconnect Hubs for Towing

## Operator Station

Separate Driver and Operator Stations  
 Powered Adjustable Operator Station - Forward and Aft  
 Adjustable Handrail on Front of Operator Station  
 Driver Back Support

## Electrical

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

## Controls and Instruments

Lighted Instrumentation Panels  
 Keyless Ignition Switch  
 Emergency Stops  
 Engine Trouble Lights  
 Engine Hourmeter and Fuel Gauge  
 Horn

## Bridge

Pallet Bridge with Pallet Side Shift  
 Automatic Drive Speed Limit with Bridge Raised  
 Powered Folding Wings with Powered Front Roller  
 HeliRoll® Convey System  
 Removable Aluminum Deck Plates  
 Folding Handrail - LHS  
 Maintenance Stands  
 Powered Side Guides  
 Full Width Aircraft Protection Bumpers on Front Edge

## Rear Platform

Right/Left/Rear Load, Side-Shifting, Pallet Rotation  
 Rear Center Rotation and Pallet Side Shift  
 Hydraulic Stops - Front, Rear, LHS, RHS  
 HeliRoll® Convey System  
 Removable Aluminum Deck Plates





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## Commander 30i Options

### Requirement Packages

CE Requirement Package

### Alternate Engine

Cummins QSB4.5, 119 kW (160 hp), COM/Tier 3

### Operator Station

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

### Bridge

Automatic Aircraft Height Following  
Bridge Tilt  
Spring Assist and Latch for Folding Handrail  
Hydraulically Extendable Handrail  
Lagged Forward Rollers  
Underside Protection

### 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)

### Electrical

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

### Power Module

Main Battery Disconnect Switch  
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  
Heated Fuel/Water Separator (Deutz only)

### 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 Light Protection

### Hydraulic

Shutdown - Low Hydraulic Level  
Drip Shield  
High Capacity Desiccant Hydraulic Oil Tank Filter  
Hydraulic Oil Cooler for Operation in Hot Climates

### Maintenance

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

### Cold Weather

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

### Fire Extinguisher

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

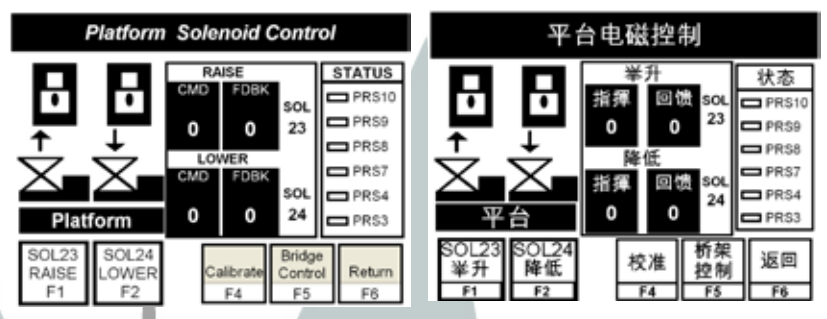




## Benefits of the Commander 30i

### Onboard Diagnostic System (ODS)

The ODS monitors a wide variety of conditions and allows simplified set-up and trouble shooting with a graphical interface screen available in all major European and Asian languages ensuring easier, lower cost maintenance.



### HeliRoll® Convey System

The HeliRoll® convey system is fast, efficient and precise providing operators with full control of ULDs resulting in faster aircraft loading.



### Ergonomic Controls

The powered operator's station with dedicated drive and load consoles safely adjusts and allows operators to interface with the aircraft onboard control panel. All controls are ergonomically positioned allowing one person to safely operate the unit with minimal movement. Controls are durable, weather proof and identified with international symbols for easy operation.

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