



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.



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 Sytem
Removable Aluminum Deck Plates



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

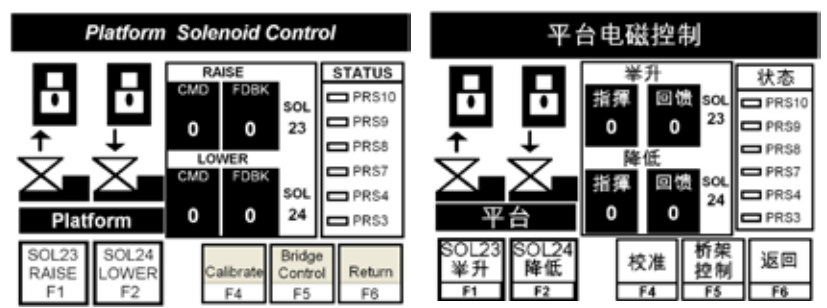




Benefits of the Commander 30i

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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