Commander 60i Loader

The Commander 60i heavy weight cargo loader carries on with the Value of Reliability tradition with a lift capacity of 30,000 kg (66,000 lb) and a bridge capacity of 15,000 kg (33,000 lb) providing main and lower deck container loading on a wide variety of passenger and freighter aircraft. The Commander 60i offers the LIFTsmart™ rear platform which ensures smooth lifting and stability with heavy loads.

JBT AeroTech’s Commander 60i delivers a lower Total Cost of Ownership with design focused on safety, ease of operation, maintenance, reliability, and durability. Features including HeliRoll® convey system, automatic platform positioning system, swing out power module and Onboard Diagnostic System (ODS) provide safe and efficient operations, lower maintenance costs per hour of operation and greater uptime.
**Commander 60i Standard Features**

### Lift Capacity

<table>
<thead>
<tr>
<th></th>
<th>Rear Platform (Maximum)</th>
<th>Bridge (Maximum)</th>
<th>Bridge Transfer (20 ft pallet)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>30,000 kg (66,000 lb)</td>
<td>15,000 kg (33,000 lb)</td>
<td>30,000 kg (66,000 lb)</td>
</tr>
</tbody>
</table>

### Dimensions

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating Height - (Maximum)</td>
<td>5.59 m (220 in)</td>
</tr>
<tr>
<td>Operating Height - Bridge (Minimum)</td>
<td>1.93 m (76 in)</td>
</tr>
<tr>
<td>Operating Height - Rear Platform (Minimum)</td>
<td>0.49 m (19.5 in)</td>
</tr>
<tr>
<td>Operating Width (Maximum)</td>
<td>3.25 m (128 in)</td>
</tr>
<tr>
<td>Overall Length</td>
<td>12.7 m (500 in)</td>
</tr>
<tr>
<td>Overall Width (Including Operator Station)</td>
<td>4.39 m (173 in)</td>
</tr>
<tr>
<td>Overall Height - (Minimum with Handrails)</td>
<td>3.0 m (118 in)</td>
</tr>
<tr>
<td>Wheelbase</td>
<td>4.97 m (196 in)</td>
</tr>
</tbody>
</table>

### Operating Performance

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lift Speed (Rear Platform)</td>
<td>12.2 m/min (40 fpm)</td>
</tr>
<tr>
<td>Lift Speed (Bridge)</td>
<td>6.1 m/min (20 fpm)</td>
</tr>
<tr>
<td>Convey Speed</td>
<td>18.3 m/min (60 fpm)</td>
</tr>
<tr>
<td>Drive Speed (Maximum)</td>
<td>11 km/hr (7 mph)</td>
</tr>
<tr>
<td>Turning Radius</td>
<td>11.7 m (38.5 ft)</td>
</tr>
</tbody>
</table>

### Engine

- **Deutz TCD 2012 L6, 129 kW (173 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 - 10
- Pneumatic Tires Mounted on Independent Drive Modules
- Rear Bogy Wheels (4 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
- Bridge Tilt

### 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
- Automatic Positioning System
- Fragile Load Mode
Commander 60i Options

**Requirement Packages**
- CE Requirement Package

**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
- 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

**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

**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

For the complete range of options available please contact your Sales Representative
Features of the Commander 60i

Heavyweight of the Commander Family

The Commander 60i is designed and built with the reliability and durability of the MDL-60 along with the operational and maintenance features found in the rest of the Commander family.

A longer rear platform has enough space for three 98 x 128 ULD’s providing faster and more efficient loading and unloading. The heaviest loads are conveyed efficiently in all directions on a single plane with no dead spots as the HeliRoll® system covers the complete platform.

The 15,000 kg (33,000 lb) capacity bridge can accommodate 30,000 kg (66,000 lb) 6.1m (20 ft) containers for transfer. Adjusting wings allow interfacing with a variety of aircraft doors, with no attachment hooks for heavy loads.

Easy access maintenance is assured with a swing out power module providing unlimited access to major components and the PLC based Onboard Diagnostic System ensures minimal downtime with instant trouble shooting data.

LIFTsmart™

The patent pending LIFTsmart™ closed loop automatic lifting system ensures smooth uplifts and improved stability with heavy or off centered loads.

Switch to fragile lift mode and the platform lowers in slow speed to handle sensitive loads such as livestock and electronic components.

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