

Commander 30i



Universal Lower Deck and Main Deck Loader

Innovative improvements to the world's most trusted loader

Advanced benefits in heavyweight performance. In the Commander 30i, the *i* stands for:

improved reliability due to...

...a redesigned hydraulic system
...a new Heliroll convey system with fewer moving parts

improved maintainability provided by...

... a PLC diagnostic read out for easier troubleshooting

improved performance resulting from ...

...a wider range of convey and cargo handling features

Commander versatility handles nearly every kind of commercial aircraft, with easy adaptability to specific ground handling operations and procedures.

Commander durability extends useful life cycle, as demonstrated on the ultimate testing ground of the ramp itself.

Commander ease of operation and safety means keeping up with today's hectic pace while simultaneously reducing risk to personnel, equipment, aircraft and cargo.

And, total Commander dependability meets the highest standards, heaviest demands, and tightest schedules, day after day and year after year.

Plus the added value of unmatched customer service:

- Global network of skilled technicians
- Industry's most effective and complete training programs, product manuals and technical updates
- Parts warehouses located throughout the world serviced by experienced parts specialists



Specification Commander 30i

Standard Features:

- Deutz BF4M 2012C diesel engine
- Powered operator's platform adjustment
- End and side transfer with rotation capability
- Hydraulically powered fold-down front platform wings
- Hydraulic height adjustment to rear bogey wheels
- Main deck capacity; 5,558mm (220 in)
- Wide capability; 3,175mm (125 in)
- PLC diagnostic readout
- Swing-out power module
- Proximity switches
- Emergency hydraulic pump
- One-color polyurethane paint
- Solid tires

Optional Features:

- Aircraft following system
- Bridge tilt
- Hush kits
- Various cold weather packages
- Work lights
- CE certification option package

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Lift Capacity

Bridge	7,500 kg (16,500 lb) lift and transfer capacity
	15,000 kg (33,000 lb) transfer capacity (on 20 ft. pallets)
Platform	15,000 kg (33,000 lb) lift and transfer capacity

Propulsion speed

11 km/hr (7 mph)

Overall Dimensions

Length	11,201 mm (441 in)
Width (including cab)	4,394 mm (173 in)
Height (min. with handrails)	2,997 mm (118 in)
Wheelbase	4,953 mm (195 in)

Lift Elevation

	Maximum	Minimum
Bridge	5,588 mm (220 in)	1,930 mm (76.0 in)
Rear Platform	5,588 mm (220 in)	496 mm (19.5 in)

Platform Lift Speeds

Bridge	4.5 – 5.5 mpm (15 - 18 fpm)
Rear Platform	15.2 mpm (50 fpm)

Convey System

Surface	Patented HeliRoll® deck and straight roller
Speed	18.3 mpm (60 fpm)

Power Unit

Standard Engine	Deutz BF4M 2012C Diesel 103 kW (138 hp) @ 2,200 rpm
Optional Engine	Cummins QSB 5.9-30-T-155 Diesel 116 kW (155 hp) @ 2,230 rpm

Hydraulic System

Load Sensing, Pressure Compensated - 235 LPM @ 241 bar
(62 gpm @ 3,500 psi)

Electrical System

24 Vdc, PLC controlled advanced diagnostics and control system, common relays

Turning radius

11.7 m (38.5 ft.)

Propulsion Systems

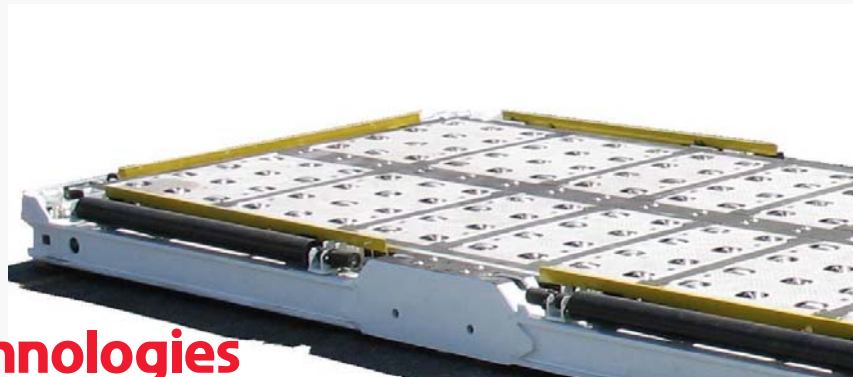
3 infinitely variable speed settings, hydrostatic drive

Brakes

Hydraulic / Dynamic with spring applied park

The Commander 30i services these aircraft:

Main Deck -	Lower Lobe -
707, 727, 737, 747, 757,	747, 767, 777, MD-11, DC-10,
767, MD-11, DC-8, DC-9,	L-1011, A-300, A-310, A-330,
DC-10, A-300, A-310,	A-340, A-380, 767 125" wide door
A-380, L-1011	



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