



# CBL150E

## Universal Beltloader

**Charlotte Universal Beltloader Model CBL150E is capable of servicing all types of aircraft with door sill heights ranging from 36" up to 130". The unit's size and design make it the perfect unit for regional and narrowbody operations. Power for the main drive is supplied by a 5 hp DC series wound motor which gives the unit a 12 MPH running speed on level ground. The unit can be powered by either an industrial battery or monobloc batteries. Options include on-board charging, fast charging, and rear lift cylinder.**

### Standard Features Include:

- 20' Conveyor Boom
- Front Brakes
- Rear Leafspring Suspension
- DC Drive Motor Directly Coupled to Rear Axle
- Dual Split Master Service Hydraulic Braking System
- Hydraulic Power Steering
- Belt Controls Located At Front And Rear Of Boom
- Three Belt Speeds
- Self-Aligning Belt System
- Automatic Speed Reduction (Raised Boom) On Approach To Aircraft

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## TECHNICAL CHARACTERISTICS

Manufacturer	Manufacturer		Charlotte of America
Model	Manufacturer's Designation		CBL150E
Energy Source	Battery	Volts	48V
Battery Capacity	Industrial Battery	AH	500 - 660
	Monobloc Battery	AH	375
Controller	Manufacturer		Sevcon
	Model		MilliPAK
Traction Motor	Manufacturer		Advanced DC
	Model		XP-2178
	Rating	Hp / kw	5.0 / 3.7
Dimensions	Length	in / mm	246.0 / 6248
	Width	in / mm	73.5 / 1867
	Height (over steering wheel)	in / mm	61.0 / 1549
	Sitting Height	in / mm	35.0 / 889
	Outside Turning Radius (Belt)	in / mm	186.0 / 4724
Performance	Speed Max (Lowered Boom)	mph / km/h	12 / 19
	Speed Max (Raised Boom)	mph / km/h	0-5 / 0-8 (Adjustable)
Chassis	Frame Mfg. W/Jigs & Fixtures		Yes
	Auto Design Wiring Harness		Yes
	Wheels Front/Rear		One Piece Rim
	Tires Front		205/75R14
	Tires Rear		205/75R14
	Wheel Base C/L	in / mm	80.0 / 2032
	Track Width C/L Front/Rear	in / mm	63.0 / 1600
	Ground Clearance	in / mm	6.0 / 152
	Service Brake		Split / Hydraulic
	Brakes, Front		Disc
	Brakes, Rear		Drum
	Parking Brake		Over center w/handle
	Suspension	Front	
Rear			Leafsprings
Belt Structure		Volts	48V
	Boom Width	in / mm	31.5 / 800
	Boom Length	in / mm	240 / 6096
	Belt Width	in / mm	24 / 610
	Belt Height Front Max/Min	in / mm	130/3302 – 36/914
	Belt Height Rear Max/Min	in / mm	16/406 – 34/863
	Belt Speed Max/Min	ft/min/mpm	100.0/30.5 – 50.0/15.2
	Roller Spacing	in / mm	4.0 / 102 (1 <sup>st</sup> 6)
			5.0 / 127 (others)
Power Roller Diameter	in / mm	8.0 / 203	
Belt Drive Motor	Manufacturer		Leeson
	Model		PR990379
	Rating @ 48 Volts	Hp / kw	1.5 / 1.13
	Rating Speed	rpm	1800
Axle	Manufacturer		Charlotte
	Motor Direct Coupled To Axle		Yes
	Reduction In Differential		Yes
	Reduction		17.45:1



### Optional Items Include:

- Rear Lift Cylinder
- Fast Charging
- On-board Charging
- PONYA Light Configuration
- Work Lights
- Additional Handrail Configurations



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