



**BETTER TECHNOLOGY  
BETTER FORKLIFT  
BETTER INVESTMENT**



# ECB27

## FE BATTERY-ELECTRIC PNEUMATIC TIRE LIFT TRUCKS

### 6,000 lb. Capacity for Indoor and Outdoor Applications

BYD's class I product offering addresses the needs of the most demanding fleet operations in the North American Material Handling industry. BYD lift truck products, powered by its revolutionary Iron-Phosphate (Fe) battery technology, are packaged complete as a truck, battery and charger.

BYD technology's extraordinary performance and useful life enables significant productivity gains and operational savings. Known as the world's safest, most environmentally friendly battery, allows customers to eliminate all the hassle and liabilities associated with toxic lead-acid battery options.

- ✓ Superior performance: Up to 18 hours run time; ultra-fast, "whenever charging" with **10 year battery warranty**
- ✓ Stable: No heat generation, no fire or explosion risk even under the most extreme external conditions
- ✓ Sustainable: No venting, gassing or corrosion. No toxic or heavy metals = no disposal fees
- ✓ Reliability and serviceability with industry proven components; dual traction control 80V AC motors and a BYD designed mast featuring dual cylinder lift motors for increased visibility
- ✓ Innovative standard features including LED headlights, full-color digital display, hill hold feature, curve speed reduction, and advanced telematics
- ✓ Industry's best lift truck Warranty: 10-year Battery, 5-year Drivetrain, 3-year Components



# WORLD'S MOST EFFICIENT FORKLIFTS

## IRON-PHOSPHATE BATTERY-ELECTRIC PNEUMATIC TIRE LIFT TRUCKS

Model		ECB27
Power		Electric
Configuration		Sit down rider (Counter Balanced)
Load Capacity/Rated Load @ 118"	lb	6,000
Load Center	in	24.00
Load Distance (Center of Support Arm Wheel to Face of Forks)	in	16.73
Wheelbase	in	59.3
Service Weight Including Battery	lb	9,914
Axle Load, with Load (Front/Rear or Driving Side/Supporting Side)	lb	13,856/2,017
Axle load, without load (Front/Rear or Driving Side/Supporting Side)	lb	3,849/6,072
Drive/Castor/Fork Wheel	/	SE
Wheel Size (Front Wheel or Driving Wheel)	Spec	21"8-9
Wheel Size, (Rear Wheel or Supporting Wheel)	Spec	18"7-8
Wheel Size (Balance Wheel)	in	-
Wheels, (Number Front/Rear, x=Driving Wheel)	/	2x/2
Track Width (Front or Driving Side)	in	39.37
Track Width (Rear or Supporting Side)	in	37.60
Overall Length	in	140.6
Length to Fork Face	in	92.6
Overall Width	in	47
Max Fork Height	in	189
Collapsed Height	in	87.20
Overhead Guard Height	in	86.42
Fork Dimensions	in	1.80 x 4.9 x 42
Tilt Range (Back/Forward)	deg	5/5°
Free Lift	in	61.5
Minimum Aisle Width	in	167.32(39.37*47.24 transverse pallets) 169.29(31.50*47.24 longitudinal pallets)
Minimum Turning Radius	in	81.6
Travel Speed, with/without Load	MPH	12.43/12.43
Lift Speed, with/without Load	FPM	0.94/1.00
Lowering Speed, with/without Load	FPM	1.12/0.89
Max Gradeability, with/without Load	%	20/20
Brake	/	Hydraulic/Mechanical
Drive Motor Rating	HP	13.5x2
Lift Motor Rating at (S3=15%ED)	KW	20.7
Battery Capacity K5	KWh	36/43
Battery Voltage	V	80V
Charging Time (200A)	min	90
Battery Weight	lb	1851.88
Motor Type (Drive/Hydraulic)	/	AC Motor

Note: 1. All information based on the latest data available at the time of printing. Final specs subject to change at production.  
2. Mast dimensions are based on "rental spec" triplex mast. A full range of mast configurations are available.