



**BETTER TECHNOLOGY  
BETTER FORKLIFT  
BETTER INVESTMENT**



# **ECB16 & ECB18**

## **FE BATTERY-ELECTRIC PNEUMATIC TIRE LIFT TRUCKS**

3,000-4,000 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		ECB16	ECB18
Power		Electric	Electric
Configuration		Sit down rider (Counter Balanced)	Sit down rider (Counter Balanced)
Load Capacity/Rated Load @ 118"	lb	3419.37	3968.32
Load Center	in	24.00	24.00
Load Distance (Center of Support Arm Wheel to Face of Forks)	in	14.37	14.37
Wheelbase	in	53.54	53.54
Service Weight Including Battery	lb	6834.22	7275.25
Axle Load, with Load (Front/Rear or Driving Side/Supporting Side)	lb	9076.43/1177.27	9887.73/1362.46
Axle load, without load (Front/Rear or Driving Side/Supporting Side)	lb	3231.92/3602.29	3419.37/3855.88
Drive/Castor/Fork Wheel	/	SE	SE
Wheel Size (Front Wheel or Driving Wheel)	Spec	18*7-8	18*7-8
Wheel Size, (Rear Wheel or Supporting Wheel)	Spec	15*4.5-8	15*4.5-8
Wheel Size (Balance Wheel)	in	–	–
Wheels, (Number Front/Rear, x=Driving Wheel)	/	2x/2	2x/2
Track Width (Front or Driving Side)	in	35.04	35.04
Track Width (Rear or Supporting Side)	in	7.48	7.48
Overall Length	in	115.55	118.31
Length of Face of Forks	in	76.18	78.94
Overall Width	in	41.34	41.34
Max Fork Height	in	189	189
Collapsed Height	in	84.5	84.5
Overhead Guard Height	in	80.71	80.71
Fork Dimensions	in	1.38/3.94/39.37	1.38/3.94/39.37
Tilt Range (Back/Forward)	deg	5/5	5/5
Free Lift	in	61.5	61.5
Minimum Aisle Width	in	136.22(39.37*47.24 transverse pallets) 140.95(31.50*47.24 longitudinal pallets)	138.98(39.37*47.24 transverse pallets) 143.70(31.50*47.24 longitudinal pallets)
Minimum Turning Radius	in	61.81	64.57
Travel Speed, with/without Load	MPH	9.94/9.94	9.94/9.94
Lift Speed, with/without Load	FPM	98.6/108.2	98.6/108.2
Lowering Speed, with/without Load	FPM	104.7/98.6	104.7/98.6
Max Gradeability, with/without Load	%	20/20	20/20
Brake	/	Hydraulic/Mechanical	Hydraulic/Mechanical
Drive Motor Rating	HP	6.7x2	6.7x2
Lift Motor Rating at (S3=15%ED)	KW	16	16
Battery Capacity K5	KWh	18/21	18/21
Battery Voltage	V	80V	80V
Charging Time (200A)	min	60	60
Battery Weight	lb	1410.96	1410.96
Motor Type (Drive/Hydraulic)	/	AC Motor	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.