



**ZERO EMISSION**  
**ENERGY EFFICIENCY**  
**EASY MAINTENANCE**



# ECB20

**ELECTRIC COUNTERBALANCE FORKLIFT POWERED BY BYD LITHIUM IRON PHOSPHATE BATTERY**

## 2.0 TON LOAD CAPACITY (IDEAL FOR INDOOR USE)

Utilizing BYD's proprietary Lithium Iron Phosphate Battery technology, BYD counterbalance forklifts have a long battery life of over 4,000 cycles (>10 years). Equipped with portable fast chargers directly connected to the forklifts, the charging process is made easy and clean. There is no release of toxic vapour during the charging process.

## EQUIPMENT FEATURES

- Ergonomic design to reduce driver fatigue and optimize productivity
- User-Friendly Side-Charging
- Ultra-Fast Charging
- Comprehensive safety features to maximise driver's welfare
- Forward Tilt Angle Control
- Overload Protection

## BATTERY ADVANTAGES

- ✓ Environmentally-friendly and non-toxic, meeting all sustainability requirements
- ✓ Lower operating cost through opportunistic charging during operators' breaks and no battery swops are required
- ✓ Lower electrical consumption compared to conventional lead-acid batteries
- ✓ Safety – withstands the harshest working environments without the risk of fire or explosion

Note:

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2. Details of specifications and equipment are based on information available at time of printing and may change without notice.
3. Data provided acts as a guide. Actual performance depends on operating habits and conditions.

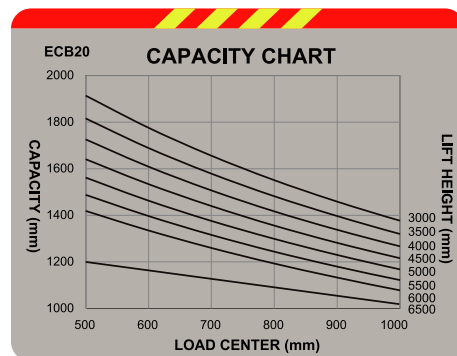
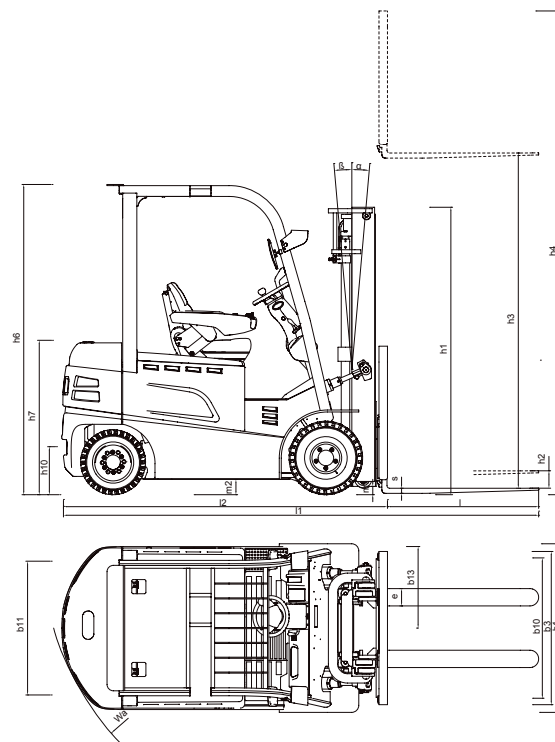


Build Your Dreams



Identification	1.1	Manufacturer		BYD
	1.2	Model	/	ECB20 D
	1.3	Driver	/	Electric
	1.4	Driver type	/	Single-driving motor
	1.5	Operator type	/	Seat
	1.6	Rated capacity	Q	kg 2000
	1.7	Load center	c	mm 500
	1.8	Load distance, center of drive axle to fork (front/rear)	x	mm 425
	1.9	Wheelbase	y	mm 1505
Weight	2.1	Service weight including battery		kg 3620
	2.2	Axle load, with load, front/rear		kg 4920/700
	2.3	Axle load, without load, front/rear		kg 1690/1930
Wheels, Chassis	3.1	Tyres	/	SE
	3.2	Tyre size, front		mm 21*8-9
	3.3	Tyre size, rear		mm 18*7-8
	3.5	Wheels, number front/rear (x=driving wheels)	/	2x/2
	3.6	Track width, front	b10	mm 970
	3.7	Track width, rear	b11	mm 955
	4.1	Tilt of mast/fork carriage forward/backward	$\alpha/\beta$	deg 6/9
	4.2	Height, mast lowered	h1	mm 1190
	4.3	Free lift	h2	mm 140
Basic Dimensions	4.4	Lift height	h3	mm 3000
	4.5	Height, mast extended	h4	mm 4240
	4.6	Height of overhead guard	h6	mm 2195
	4.7	Seat height	h7	mm 1100
	4.8	Coupling height	h10	mm 333
	4.9	Overall length	l1	mm 3375
	4.10	Length to face of forks	l2	mm 2305
	4.11	Overall width	b1	mm 1195
	4.12	Fork dimensions	s/e/l	mm 40/120/1,070
	4.13	Fork carriage width	b3	mm 1085
	4.14	Ground clearance, with load, below mast with/without load	m1	mm 95
	4.15	Ground clearance, center of wheelbase with/without load	m2	mm 105
	4.16	Aisle width for pallets 1000x1200 crossways	Ast	mm 3646
	4.17	Aisle width for pallets 800x1200 crossways	Ast	mm 3845
	4.18	Turning radius	Wa	mm 2020
Performance Data	4.19	Side shifter Scope		mm 200( $\pm$ 100)
	5.1	Travel speed, with/without load		km/h 16/16
	5.2	Lift speed, with/without load		mm/s 420/450
	5.3	Lowering speed, with/without load		mm/s 500/400
	5.4	Max. drawbar pull, with/without load		KN 12.7/9.0
	5.5	Max. gradeability, with/without load		% 16/20
	5.6	Acceleration time, with/without load		s 4.9/4.3
Motor	5.7	Service brake	/	Mech./Hydr.
	6.1	Drive motor rating S2 60 min.		kW 8.5
	6.2	Lift motor rating at S3 15%		kW 20.7
Others	7.1	Type of drive control	/	AC (Danaher)
	7.2	Operating pressure for attachments	Mpa	14.2
	7.3	Sound level at the driver's ear	dB(A)	70
	7.4	Towing coupling, type		PIN
Battery and Charger	8.1	Battery voltage, nominal capacity		KWh 21.6
	8.2	Charging power (100A Charger)	Kw	8
	8.3	Charging time (100A Charger)	H	2.4
Certification	9.1	Hand-operated valve B56.1		

2.0 Ton Forklift Single Motor (CHF)				
Description (mm)	Lift Height h3 (mm)	Free Lift h2 (mm)	Height, Mast Lowered h1 (mm)	Height, Mast Extended h4 (mm)
2 Stage Mast	3000	140	1990	4240
	3500	140	2290	4740
	4000	140	2540	5240
	4500	140	2840	5740
	5000	140	3090	6240
2 Stage Free Lift Mast	3000	840	2040	4240
	3500	1090	2290	4740
	4000	1340	2540	5240
3 Stage Free Lift Mast (3 Cylinder)	4000	743	1943	5240
	4500	893	2093	5740
	4800	993	2193	6040
	5000	1093	2293	6240
	5300	1163	2363	6540
	5500	1293	2493	6740
	6000	1493	2693	7240
	6500	1643	2843	7740



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# ECB25

**ELECTRIC COUNTERBALANCE FORKLIFT POWERED BY BYD LITHIUM IRON PHOSPHATE BATTERY**

## **2.5 TON LOAD CAPACITY (IDEAL FOR INDOOR USE)**

Utilising BYD's proprietary Lithium Iron Phosphate Battery technology, BYD counterbalance forklifts have a long battery life of over 4,000 cycles (>10 years). Equipped with portable fast chargers directly connected to the forklifts, the charging process is made easy and clean. There is no release of toxic vapour during the charging process.

## **EQUIPMENT FEATURES**

- Ergonomic design to reduce driver fatigue and optimize productivity
- User-Friendly Side-Charging
- Ultra-Fast Charging
- Comprehensive safety features to maximise driver's satisfaction
- Forward Tilt Angle Control
- Overload Protection

## **BATTERY ADVANTAGES**

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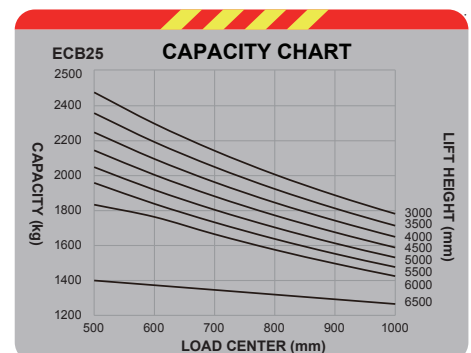
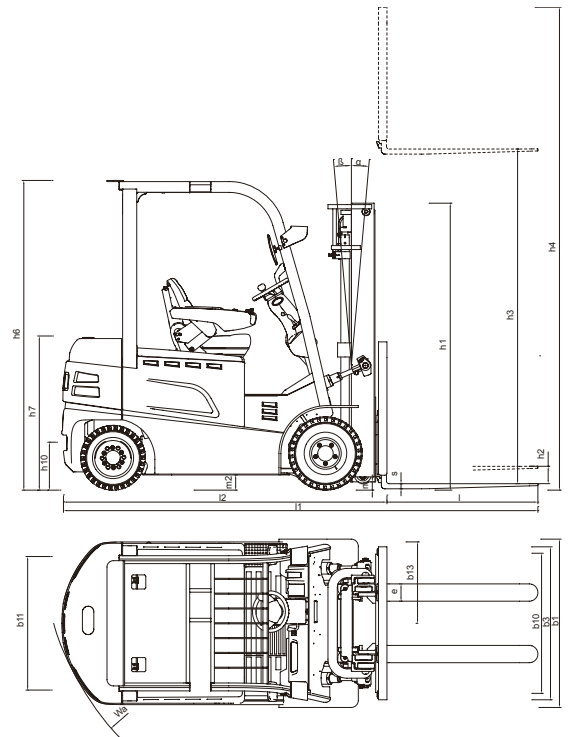


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Identification	1.1	Manufacturer		BYD
	1.2	Model	/	ECB25 D
	1.3	Driver	/	Electric
	1.4	Driver type	/	Single-driving motor
	1.5	Operator type	/	Seat
	1.6	Rated capacity	Q	kg 2500
	1.7	Load center	c	mm 500
	1.8	Load distance,center of drive axle to fork (front/rear)	x	mm 425
	1.9	Wheelbase	y	mm 1505
Weight	2.1	Service weight including battery		kg 4220
	2.2	Axle load,with load,front/rear		kg 5830/890
	2.3	Axle load,without load, front/rear		kg 1793/2427
Wheels, Chassis	3.1	Tyres	/	SE
	3.2	Tyre size,front		mm 21*8-9
	3.3	Tyre size,rear		mm 18*7-8
	3.5	Wheels, number front/rear (x=driving wheels)	/	2x/2
	3.6	Track width,front	b10	mm 970
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Basic Dimensions	4.4	Lift height	h3	mm 3000
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Motor	5.7	Service brake	/	Mech./Hydr.
	6.1	Drive motor rating S2 60 min.		kW 8.5
Others	6.2	Lift motor rating at S3 15%		kW 20.7
	7.1	Type of drive control	/	AC (Danaher)
	7.2	Operating pressure for attachments	Mpa	16
	7.3	Sound level at the driver's ear	dB(A)	70
Battery and Charger	7.4	Towing coupling,type		PIN
	8.1	Battery voltage, nominal capacity (270Ah/80V Battery)		kWh 21.6
	8.2	Charging power (100A Charger)	Kw	8
Certification	8.3	Charging time (100A Charger)	H	2.4
	9.1			Hand-operated valve B56.1

2.5 Ton Forklift Single Motor (CHA)				
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	6000	1493	2693	7240
	6500	1643	2843	7740



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