



ZERO EMISSION
ENERGY EFFICIENCY
EASY MAINTENANCE



ECB30

ELECTRIC COUNTERBALANCE FORKLIFT POWERED BY BYD LITHIUM IRON PHOSPHATE BATTERY

3.0 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 swaps 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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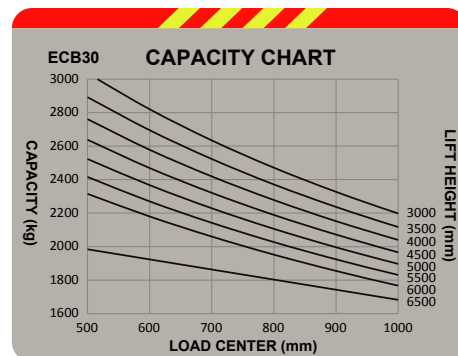
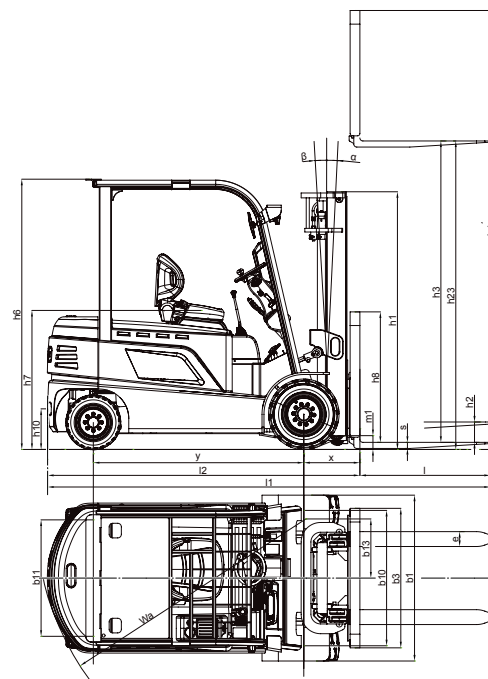


Build Your Dreams



Identification	1.1	Manufacturer			BYD
	1.2	Model		/	ECB30 D
	1.3	Driver		/	Electric
	1.4	Driver type		/	Single-driving motor
	1.5	Operator type		/	Seat
	1.6	Rated capacity	Q	kg	3000
	1.7	Load center	c	mm	500
	1.8	Load distance, center of drive axle to fork (front/rear)	x	mm	500
	1.9	pe	y	mm	1725
Weight	2.1	Service weight including battery		kg	5000
	2.2	Axle load, with load, front/rear		kg	7072/928
	2.3	Axle load, without load, front/rear		kg	2333/2667
Wheels, Chassis	3.1	Tyres		/	SE
	3.2	Tyre size, front		mm	28x9-10
	3.3	Tyre size, rear		mm	200/50-10
	3.5	Wheels, number front/rear (x=driving wheels)		/	2x/2
	3.6	Track width, front	b10	mm	1120
	3.7	Track width, rear	b11	mm	955
	4.1	Tilt of mast/fork carriage forward/backward	α/β	deg	5/8
Basic Dimensions	4.2	Height, mast lowered	h1	mm	2105
	4.3	Free lift	h2	mm	130
	4.4	Lift height	h3	mm	3000
	4.5	Height, mast extended	h4	mm	4000
	4.6	Height of overhead guard	h6	mm	2215
	4.7	Seat height	h7	mm	1140
	4.8	Coupling height	h10	mm	333
	4.9	Overall length	l1	mm	3630
	4.10	Length to face of forks	l2	mm	2560
	4.11	Overall width	b1	mm	1360
	4.12	Fork dimensions	s/e/l	mm	50/125/1,070
	4.13	Fork carriage width	b3	mm	1145
	4.14	Ground clearance, with load, below mast with/without load	m1	mm	110
	4.15	Ground clearance, center of wheelbase with/without load	m2	mm	130
	4.16	Aisle width for pallets 1000x1200 crossways	Ast	mm	3970
	4.17	Aisle width for pallets 800x1200 crossways	Ast	mm	4170
	4.18	Turning radius	Wa	mm	2270
	4.19	Side shifter Scope		mm	200(\pm 100)
Performance Data	5.1	Travel speed, with/without load		km/h	15/16
	5.2	Lift speed, with/without load		mm/s	380/450
	5.3	Lowering speed, with/without load		mm/s	550/450
	5.4	Max. drawbar pull, with/without load		KN	14.5/13
	5.5	Max. gradeability, with/without load		%	15/20
	5.6	Acceleration time, with/without load		s	4.9/4.3
	5.7	Service brake		/	Mech./Hydr.
Motor	6.1	Drive motor rating S2 60 min.		kW	21.5
	6.2	Lift motor rating at S3 15%		kW	24
Others	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
	7.4	Towing coupling, type			PIN
Battery and Charger	8.1	Battery voltage, nominal capacity		KWh	43.2
	8.2	Charging power (200A Charger)		Kw	16
	8.3	Charging time (200A Charger)		H	3.4
Certification	9.1				Hand-operated valve B56.1

3.0 Ton Forklift Dual Motor (CHE)				
Description (mm)	Lift Height h3 (mm)	Free Lift h2 (mm)	Height, Mast Lowered h1 (mm)	Height, Mast Extended h4 (mm)
2 Stage Mast	3000	130	2105	4000
	3300	130	2255	4300
	3500	130	2355	4500
	3700	130	2455	4700
	4000	130	2605	5000
	4500	130	2905	5500
	4800	130	3055	5800
	5000	130	3205	6000
	5500	130	3455	6500
	6000	130	3705	7000
2 Stage Free Lift Mast	3000	1155	2105	4000
	3300	1305	2255	4300
	3500	1405	2355	4500
	4000	1655	2605	5000
3 Stage Free Lift Mast (4 Cylinder)	4000	1140	2090	5000
	4350	1255	2205	5350
	4500	1305	2255	5500
	4800	1405	2355	5800
	5000	1470	2420	6000
	2300	1570	2520	6300
	5500	1635	2585	6500
	6000	1800	2750	7000
	6500	1960	2910	7500



Version: 005-0101



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ECB35

ELECTRIC COUNTERBALANCE FORKLIFT POWERED BY BYD LITHIUM IRON PHOSPHATE BATTERY

3.5 TON LOAD CAPACITY (IDEAL FOR INDOOR USE)

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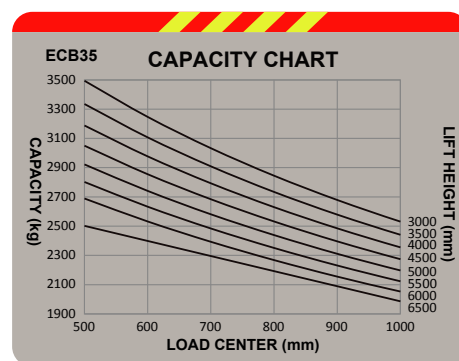
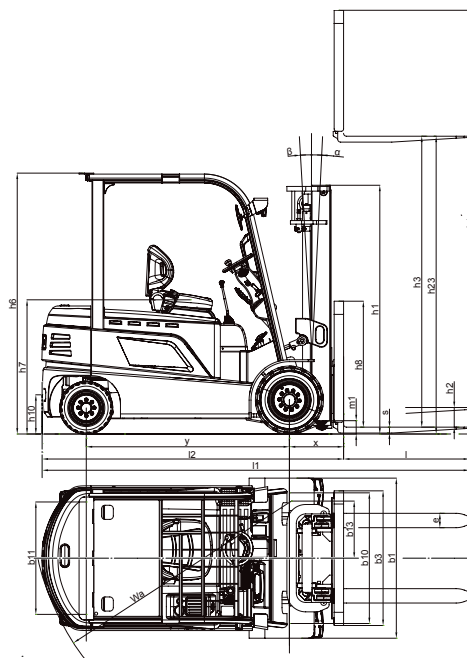


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Identification	1.1	Manufacturer		BYD
	1.2	Model	/	ECB35 D
	1.3	Driver	/	Electric
	1.4	Driver type	/	Single-driving motor
	1.5	Operator type	/	Seat
	1.6	Rated capacity	Q	kg 3500
	1.7	Load center	c	mm 500
	1.8	Load distance,center of drive axle to fork (front/rear)	x	mm 500
	1.9	pe	y	mm 1725
Weight	2.1	Service weight including battery		kg 5600
	2.2	Axle load,with load,front/rear		kg 8113/987
	2.3	Axle load,without load, front/rear		kg 2584/3016
Wheels, Chassis	3.1	Tyres	/	SE
	3.2	Tyre size,front		mm 28x9-10
	3.3	Tyre size,rear		mm 200/50-10
	3.5	Wheels, number front/rear (x=driving wheels)	/	2x/2
	3.6	Track width,front	b10	mm 1120
	3.7	Track width,rear	b11	mm 955
	4.1	Tilt of mast/fork carriage forward/backward	α/β	deg 5/8
Basic Dimensions	4.2	Height,mast lowered	h1	mm 2105
	4.3	Free lift	h2	mm 130
	4.4	Lift height	h3	mm 3000
	4.5	Height,mast extended	h4	mm 4000
	4.6	Height of overhead guard	h6	mm 2215
	4.7	Seat height	h7	mm 1140
	4.8	Coupling height	h10	mm 333
	4.9	Overall length	l1	mm 3630
	4.10	Length to face of forks	l2	mm 2560
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	4.16	Aisle width for pallets 1000x1200 crossways	Ast	mm 3970
	4.17	Aisle width for pallets 800x1200 crossways	Ast	mm 4170
Performance Data	4.18	Turning radius	Wa	mm 2270
	4.19	Side shifter Scope		mm 200(±100)
	5.1	Travel speed, with/without load		km/h 15/16
	5.2	Lift speed, with/without load		mm/s 380/450
	5.3	Lowering speed, with/without load		mm/s 550/450
	5.4	Max.drawbar pull, with/without load		KN 14/14
	5.5	Max.gradeability, with/without load		% 15/20
Motor	5.6	Acceleration time,with/without load		s 4.9/4.3
	5.7	Service brake	/	Mech./Hydr.
Others	6.1	Drive motor rating S2 60 min.		kW 21.5
	6.2	Lift motor rating at S3 15%		kW 24
Battery and Charger	7.1	Type of drive control	/	AC (Danaher)
	7.2	Operating pressure for attachments		Mpa 18
	7.3	Sound level at the driver's ear		dB(A) 70
	7.4	Towing coupling,type		PIN
Certification	8.1	Battery voltage, nominal capacity		KWh 43.2
	8.2	Charging power (200A Charger)		Kw 16
	8.3	Charging time (200A Charger)		H 3.4
Hand-operated valve	9.1			B56.1

3.5 Ton Forklift Dual Motor (CHE)				
Description (mm)	Lift Height h3 (mm)	Free Lift h2 (mm)	Height, Mast Lowered h1 (mm)	Height, Mast Extended h4 (mm)
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	5500	1635	2585	6500
	6000	1800	2750	7000
	6500	1960	2910	7500



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