



BYD ECB60/70/80

HEAVY DUTY ELECTRIC COUNTERBALANCE FORKLIFTS

- 80V AC Technology
- BYD Lithium Iron-phosphate technology
- BYD Lithium Fast Charging Solution
- Full Charging in 2 Hours Optional
- Electric Parking Brake
- Power-assisted Steering

**CHANGE YOUR MIND
NOT YOUR BATTERY**



 Lithium

8 YR 10,000 HR
Battery Warranty

BYD Iron-Phosphate



FORKLIFT TECHNICAL SPECIFICATIONS

Identification	1,1	Manufacturer			BYD	BYD	BYD
	1,2	Model			ECB60	ECB70	ECB80
	1,3	Drive			Electric	Electric	Electric
	1,4	Operator type			Seat	Seat	Seat
	1,5	Rated capacity	Q	kg	6000	7000	8000
	1,6	Load center	c	mm	600	600	600
	1,8	Load distance, center of drive axle to fork	x	mm	675	675	675
	1,9	Wheelbase	y	mm	2280	2280	2280
	Weight	2,1	Service weight		kg	11800	12500
2,2		Axle load, with load, front/rear		kg	5900/5900	5820/6680	5880/7420
2,3		Axle load, without load, front/rear		kg	15250/2550	16740/2760	18350/2950
Wheels, Chassis	3,1	Tyres			Pneumatic	Pneumatic	Pneumatic
	3,2	Tyre size, front			8.25-15	8.25-15	8.25-15
	3,3	Tyre size, rear			250-15	250-15	250-15
	3,5	Wheels, number front rear (X=driven wheels)			4x/2	4x/2	4x/2
	3,6	Track width, front	b10	mm	1541	1541	1541
	3,7	Track width, rear	b11	mm	1450	1450	1450
	Basic Dimensions	4,1	Tilt of mast/fork carriage forward/backward	a/b	deg	6/10	6/10
4,2		Height, mast lowered	h1	mm	2620	2620	2620
4,3		Free lift	h2	mm	170	170	170
4,4		Lift height	h3	mm	3000	3000	3000
4,5		Height, mast extended	h4	mm	4470	4470	4470
4,7		Height of overhead guard	h6	mm	2780	2780	2780
4,8		Seat height	h7	mm	1708	1708	1708
4,12		Coupling height	h10	mm	570	570	570
4,19		Overall length	l1	mm	4770	4770	4770
4,20		Length to face of forks	l2	mm	3550	3550	3550
4,21		Overall width	b1	mm	2076	2076	2076
4,22		Fork dimensions	s/e/l	mm	60/150/1220	65/150/1220	75/150/1220
4,23		Fork carriage ISO 2328, class/type A, B			4A	4A	4A
4,24		Fork carriage width	b3	mm	1800	1800	1800
4,31		Ground clearance, with load, below mast	m1	mm	200	200	200
4,32		Ground clearance, center of wheelbase	m2	mm	200	200	200
4,33		Aisle width for pallets 1000x1200 crossways	Ast	mm	5355	5355	5355
4,34		Aisle width for pallets 800x1200 lengthways	Ast	mm	5555	5555	5555
4,35	Turning radius	Wa	mm	3100	3100	3100	
Performance Data	5,1	Travel speed, with/without load		Km/h	16/17	16/17	16/17
	5,2	Lift speed, with/without load		mm/s	400/350	400/350	400/350
	5,3	Lowering speed, with/without load		mm/s	500/400	500/400	500/400
	5,6	Max. drawbar pull, with/without load		KN	32/28	32/28	32/28
	5,8	Max. gradeability, with/without load		%	15/20	15/20	15/20
	5,10	Service brake			Hydr.	Hydr.	Hydr.
Motor	6,1	Drive motor rating S2 60 min.		kW	14x2	14x2	14x2
	6,2	Lift motor rating at S3 15%		kW	24x2	24x2	24x2
	6,4	Battery voltage, nominal capacity K5		V/Ah	80/1080	80/1080	80/1080
	6,5	Battery weight		kg	1200	1200	1200
Others	8,1	Type of drive control			AC	AC	AC
	8,2	Operating pressure for attachments		Bar	180	180	180
	8,4	Sound level at the driver's ear		dB(A)	<80	<80	<80
	8,5	Towing coupling, type			—	—	—

*BYD reserves the right to alter and modify the design, features and technical parameters of its products at any given time and without pre-advance, as products are subject to ongoing and continuous development.



MAST SPECIFICATIONS

ECB60/70/80 MAST SPECIFICATIONS (MM)

TYPE OF MAST	h3	h2 (with 1400mm loadbackrest)	h2 (without loadbackrest)	h1	h4	h8	α	β
2-stage standard Mast	3000	170	170	2620	4470	1400	6°	10°
	3300	170	170	2770	4770	1400	6°	10°
	3500	170	170	2870	4970	1400	6°	10°
	4000	170	170	3120	5470	1400	6°	10°
	4500	170	170	3370	5970	1400	6°	6°
	5000	170	170	3620	6470	1400	6°	6°
	5500	170	170	3870	6970	1400	6°	6°
6000	170	170	4120	7470	1400	6°	6°	
3-stage FFL Mast (Single full free lift mast)	4800	1220	1487	2720	6270	1400	6°	6°
	5000	1290	1557	2790	6470	1400	6°	6°
	5500	1450	1717	2950	6970	1400	6°	6°
	6000	1670	1937	3170	7470	1400	6°	6°
	6500	1840	2107	3340	7970	1400	6°	3°
	7000	2050	2317	3550	8470	1400	6°	3°
	7500	2220	2487	3720	8970	1400	6°	3°



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