

TRUCK FEATURES



STANDARD EQUIPMENT:

- BYD Iron-Phosphate Technology
- Battery 80V 810Ah (64.8 kWh)
- Dual AC drive
- 4-way valve
- Mechanical lever (Basic model)
- Finger-tip control (Comfort model)
- TFT display
- Cornering speed reduction
- Ramp assist
- Power-assist braking
- Oil-immersed disc brake
- OPS (Operator Presence Sensor)
- Regenerative braking system
- Charger 80V 200A
- Clear-view masts
- Orange seat belt

OPTIONAL EQUIPMENT:

- Battery 80V 1020/1080/1320Ah (81.6/86.4/105.6 kWh)
- Charger 80V 400A
- Cabin and weather protection kits
- Dual joystick control
- Synchronised steering control
- Blue light
- Panoramic mirror
- Double pedal system
- Rear working light
- LED lights
- Multiple masts variants



ISO 9001
ISO 14001
OHSAS 18001



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Featuring BYD's most powerful 80V/810A Iron-Phosphate Batteries, the new zero-emission BYD ECB60/70/80 counterbalance forklift truck has been developed to carry out heavy-duty tasks previously only achieved by IC-powered trucks. With capacities up to 8 tonnes, the BYD ECB60/70/80 performs at comparable levels to a diesel truck, but boasts vastly improved environmental credentials and a highly attractive Total Cost of Ownership (TCO). Easy to operate both inside the warehouse and outside in the yard in harsh conditions, this stable and reliable forklift features BYD's zero-maintenance smart battery technology, ensuring high-speed charging and high levels of availability.

ECB60/70/80

BYD HEAVY-DUTY COUNTERBALANCE
FORKLIFT 4-WHEELER (6000kg/7000kg/8000kg)



 Lithium |  8 YRS 10,000 HRS Battery Warranty | BYD Iron-Phosphate

ECB60/70/80 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 centre	c	mm	600	600	600
	1.8	Load distance, centre 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	13300
	2.2	Axle load, with load, front/rear		kg	15250/2550	16740/2760	18350/2950
	2.3	Axle load, without load, front/rear		kg	5900/5900	5820/6680	5880/7420
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	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	220	220	220
	4.32	Ground clearance, centre of wheelbase	m2	mm	220	220	220
	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	14×2	14x2	14x2
	6.2	Lift motor rating at S3 15%		kW	24×2	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
Other	8.1	Type of drive control		Mpa	AC	AC	AC
	8.2	Operating pressure for attachments		dB(A)	180	≤18	≤18
	8.4	Sound level at the driver's ear			<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-advice, as products are subject to ongoing and continuous development.

MAST SPECIFICATIONS

- ### h3

Lifting Height (mm)
- ### h2

Full Free Lift Height (mm) (Load Backrest 1400mm)
- ### h1

Height, Mast Fully Lowered (mm)
- ### h4

Height, Mast Fully Extended (mm) (Load Backrest 1400mm)
- ### α

Tilt Forward
- ### β

Tilt Backward

Mast Specifications (mm)	h3	h2	h1	h4	α	β	Residual Capacity (kg) (without attachment)		
							@600MM		
							ECB60	ECB70	ECB80
2-stage standard Mast	3000	170	2620	4470	6°	10°	6375	7339	8253
	3300	170	2770	4770	6°	10°	6375	7339	8253
	3500	170	2870	4970	6°	10°	6375	7339	8253
	4000	170	3120	5470	6°	10°	6375	7339	8253
	4500	170	3370	5970	6°	6°	6140	7078	7968
	5000	170	3620	6470	6°	6°	5905	6818	7684
	5500	170	3870	6970	6°	6°	5665	6555	7398
3-stage with single FFL	6000	170	4120	7470	6°	6°	5424	6291	7112
	4800	1220	2720	6270	6°	6°	6000	7000	7800
	5000	1290	2790	6470	6°	6°	5905	6818	7684
	5500	1450	2950	6970	6°	6°	5665	6555	7398
	6000	1670	3170	7470	6°	6°	5424	6291	7112
	6500	1840	3340	7970	6°	3°	5168	6013	6815
	7000	2050	3350	8470	6°	3°	4946	5771	6553
	7500	2220	3720	8970	6°	3°	4735	5541	6305

*Widened tires required when the mast exceeds 6 meters

LOADING CAPACITY

