TRUCK FEATURES

STANDARD FEATURE:

BYD Iron-Phosphate Technology
Battery 80V 540Ah
Dual AC drive
3.0m 2-stage standard mast
4-way valve
Mechanical lever (Basic model)
Finger-tip control (Comfort model)
Full LED lights
MSG45 Leather seat (Basic model) / MSG65 Leather seat (Confort model)
Orange seat belt
1070mm forks
80V 200A charger

OPTIONAL FEATURE:

Mast variants
Integral/hook-on sideshifter
Battery capacity upgrade (80V 680A/810A/1020A)
Dual joystick control system
MSG65 textile / MSG75 seat options
Full cabin options
Lights options (Flashing beacon/Spot lights/ Rear working lights/ Lateral Satety lights)
Panoramic mirror
Storage box with USB port
Non-marking tyres
Double pedal system
Synchronised steering control
Fork auto-leveling
5th hydraulic function
80V400A charger with dual charging solution for 80V 810A/1020A batteries

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ISO 9001
ISO 14001
OHSAS 18001

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BYD Forklift

"The BYD ECB50 has been developed in line with the market requirements… The truck feels and works remarkably stable and its performance is a realistic alternative to engine powered trucks. As with the smaller models from BYD, the Lithium-Iron Phosphate battery and the corresponding quick charger are the main strengths. The calculated savings can be realized, maintenance of the battery and truck can also be reduced to a minimum.
…What's more, the impressive looking truck is surprisingly smooth and easy to operate. The stability is convincing and the materials used are extremely durable even when used in harsh conditions."

- IFOY test verdict

ECB40/45/50

BYD COUNTERBALANCE FORKLIFT
4-WHEELER (4000kg/4500kg/5000kg)

CHANGE YOUR MIND NOT YOUR BATTERY

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

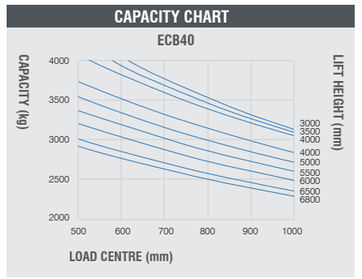
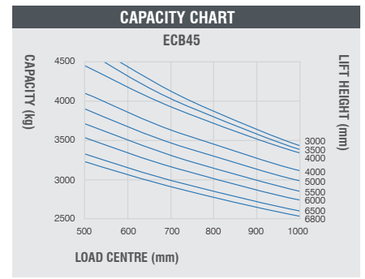
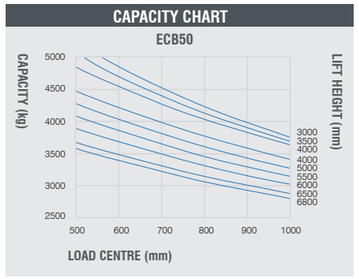
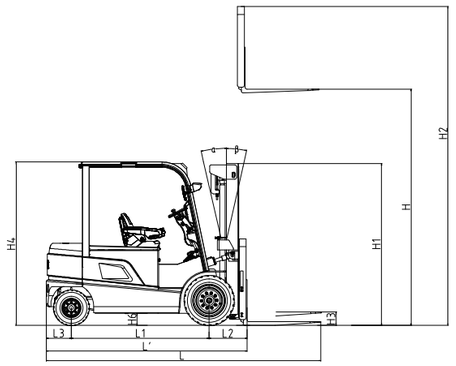
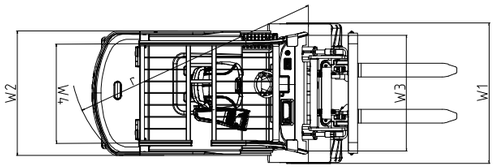
ECB40/45/50 TECHNICAL SPECIFICATIONS

Identification	1.1	Manufacturer			BYD	BYD	BYD
	1.2	Model			ECB40	ECB45	ECB50
	1.3	Drive			Electric	Electric	Electric
	1.4	Operator type			Seat	Seat	Seat
	1.5	Rated capacity	Q	kg	4000	4500	5000
	1.6	Load centre	c	mm	500	500	500
	1.8	Load distance, centre of drive axle to fork	x	mm	555	555	555
	1.9	Wheelbase	y	mm	2000	2000	2000
Weight	2.1	Service weight		kg	6750	7030	7350
	2.2	Axle load, with load, front/rear		kg	9440/1310	10188/1342	10960/1390
	2.3	Axle load, without load, front/rear		kg	3330/3420	3315/3715	3320/4030
Wheels, Chassis	3.1	Tyres			SE	SE	SE
	3.2	Tyre size, front			28/12.5-15	28/12.5-15	28/12.5-15
	3.3	Tyre size, rear			21x/8-9	21x/8-9	21x/8-9
	3.5	Wheels, number front rear (x=driven wheels)			2x/2	2x/2	2x/2
	3.6	Track width, front	b10	mm	1216	1216	1216
	3.7	Track width, rear	b11	mm	1130	1130	1130
Basic Dimensions	4.1	Tilt of mast/fork carriage forward/backward	a/b	deg	6/8	6/8	6/8
	4.2	Height, mast lowered	h1	mm	2350	2350	2350
	4.3	Free lift	h2	mm	130	130	130
	4.4	Lift height	h3	mm	3000	3000	3000
	4.5	Height, mast extended	h4	mm	4255	4255	4255
	4.7	Height of overhead guard	h6	mm	2360	2360	2360
	4.8	Seat height	h7	mm	1260	1260	1260
	4.12	Coupling height	h10	mm	490	490	490
	4.19	Overall length	l1	mm	3990	3990	3990
	4.20	Length to face of forks	l2	mm	2920	2920	2920
	4.21	Overall width	b1	mm	1516	1516	1516
	4.22	Fork dimensions	s/e/l	mm	50/150/1070	50/150/1070	50/150/1070
	4.23	Fork carriage ISO 2328, class/type A, B			3A	3A	3A
	4.24	Fork carriage width	b3	mm	1500	1500	1500
	4.31	Ground clearance, with load, below mast	m1	mm	150	150	150
	4.32	Ground clearance, centre of wheelbase	m2	mm	160	160	160
	4.33	Aisle width for pallets 1000x1200 crossways	Ast	mm	4355	4355	4355
	4.34	Aisle width for pallets 800x1200 lengthways	Ast	mm	4555	4555	4555
	4.35	Turning radius	Wa	mm	2600	2600	2600
Performance Data	5.1	Travel speed, with/without load		Km/h	18/18	18/18	18/18
	5.2	Lift speed, with/without load		mm/s	350/450	350/450	350/450
	5.3	Lowering speed, with/without load		mm/s	500/400	500/400	500/400
	5.6	Max. drawbar pull, with/without load		KN	23/18	23/18	23/18
	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	15x2	15x2	15x2
	6.2	Lift motor rating at S3 15%		kW	25.4	25.4	25.4
	6.4	Battery voltage, nominal capacity K5		V/Ah	80/810	80/810	80/810
	6.5	Battery weight		kg	900	900	900
Other	8.1	Type of drive control			AC	AC	AC
	8.2	Operating pressure for attachments		Bar	170	170	170
	8.4	Sound level at the driver's ear		dB(A)	<75	<75	<75
	8.5	Towing coupling, type			PIN	PIN	PIN

*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 1200mm) h1 Height, Mast Fully Lowered (mm)
h4 Height, Mast Fully Extended (mm) (Load Backrest 1200mm) α Tilt Forward β Tilt Backward

Mast Specifications (mm)	h3	h2	h1	h4	α	β	Residual Capacity (kg) (without attachment) @500MM		
							ECB40	ECB45	ECB50
2-stage standard Mast	3000	140	2350	4250	6°	8°	4000	4500	5000
	3300	140	2500	4550	6°	8°	4000	4500	5000
	3500	140	2600	4750	6°	8°	4000	4500	5000
	4000	140	2850	5250	6°	8°	4000	4400	4800
	4500	140	3100	5750	6°	6°	3800	4200	4600
	5000	140	3350	6250	6°	6°	3600	4000	4400
	6000	140	3850	7250	6°	6°	3200	3600	4000
2-stage FFL Mast	3000	1035	2235	4250	6°	8°	4000	4500	5000
	3300	1185	2385	4550	6°	8°	4000	4500	5000
	3500	1285	2485	4750	6°	8°	4000	4500	5000
	4000	1585	2785	5250	6°	8°	4000	4400	4800
	4000	945	2145	5250	6°	6°	3900	4250	4650
3-stage with single FFL	4300	1045	2245	5550	6°	6°	3800	4150	4550
	4500	1115	2315	5750	6°	6°	3700	4050	4450
	4800	1215	2415	6050	6°	6°	3600	3950	4350
	5000	1285	2485	6250	6°	6°	3500	3850	4250
	5500	1445	2645	6750	6°	6°	3300	3650	4050
	6000	1615	2815	7050	6°	6°	3100	3450	3850
	6500	1785	2985	7750	6°	3°	2900	3250	3650
	6800	1885	3085	8050	6°	3°	2800	3150	3550
	7200	2065	3265	8450	3°	3°	2600	2950	3350
	7500	2165	3365	8750	3°	3°	2500	2850	3250

LOADING CAPACITY