

SPECIFICATION SHEETS

Counterbalance Forklift

Identification	1.1	Manufacturer			BYD	BYD
	1.2	Model			ECB20	ECB25
	1.3	Drive			Electric	Electric
	1.4	Operator type			Seat	Seat
	1.5	Rated capacity	Q	kg	2000	2500
	1.6	Load center	c	mm	500	500
	1.8	Load distance, center of drive axle to fork	x	mm	425	425
	1.9	Wheelbase	y	mm	1505	1505
	Weight	2.1	Service weight		kg	3600
2.2		Axle load, with load, front/rear		kg	4901/699	5811/889
2.3		Axle load, without load, front/rear		kg	1672/1928	1775/2425
Wheels, Chassis	3.1	Tyres			SE	SE
	3.2	Tyre size, front		mm	21x8-9	21x8-9
	3.3	Tyre size, rear		mm	18x7-8	18x7-8
	3.5	Wheels, number front rear (X=driven wheels)			2x2	2x2
	3.6	Track width, front	b10	mm	1000	1000
	3.7	Track width, rear	b11	mm	955	955
	Basic Dimensions	4.1	Tilt of mast/fork carriage forward/backward	a/b	deg	5/8
4.2		Height, mast lowered	h1	mm	2035	2035
4.3		Free lift	h2	mm	150	150
4.4		Lift height	h3	mm	3000	3000
4.5		Height, mast extended	h4	mm	4040	4040
4.7		Height of overhead guard	h6	mm	2195	2195
4.8		Seat height	h7	mm	1100	1100
4.12		Coupling height	h10	mm	333	333
4.19		Overall length	l1	mm	3375	3375
4.20		Length to face of forks	l2	mm	2305	2305
4.21		Overall width	b1	mm	1195	1195
4.22		Fork dimensions	s/e/l	mm	40/120/1070	40/120/1070
4.24		Fork carriage width	b3	mm	1085	1085
4.31		Ground clearance, with load, below mast	m1	mm	95	95
4.32		Ground clearance, center of wheelbase	m2	mm	105	105
4.33	Aisle width for pallets 1000x1200 crossways	Ast	mm	4250	4250	
4.34	Aisle width for pallets 800x1200 lengthways	Ast	mm	4045	4045	
4.35	Turning radius	Wa	mm	2020	2020	
Performance Data	5.1	Travel speed, with/without load		Km/h	20/20	20/20
	5.2	Lift speed, with/without load		m/s	0.36/0.54	0.36/0.54
	5.3	Lowering speed, with/without load		m/s	0.45/0.37	0.45/0.37
	5.6	Max. drawbar pull, with/without load		KN	12.7/9.0	12.5/9.5
	5.8	Max. gradeability, with/without load		%	20/20	20/20
	5.9	Acceleration time, with/without load		s	4.9/4.3	4.9/4.3
Motor	5.10	Service brake			Mech./Hydr.	Mech./Hydr.
	6.1	Drive motor rating S2 60 min.		kW	5.5x2	5.5x2
	6.2	Lift motor rating at S3 15%		kW	12	12
	6.4	Battery voltage, nominal capacity K5		V/Ah	80/200	80/200
	6.5	Battery weight		kg	540	840
Others	8.1	Type of drive control			AC	AC
	8.2	Operating pressure for attachments		bar	160	186
	8.4	Sound level at the driver's ear		dB(A)	65	65
	8.5	Towing coupling, type			PIN	PIN

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ECB20/25

MAST TABLE				
Description	Lift height h3 (mm)	Free lift h2 (mm)	Height, mast lowered h1 (mm)	Height, mast extended h4 (mm)
		ECB20/25	ECB20/25	ECB20/25
Two stage mast	3000	150	2035	4040
	3300	150	2185	4340
	4000	150	2575	5040
	4500	150	2830	5540
Two stage FFL mast	3000	985	2025	4040
	3500	1285	2325	4540
	4000	1535	2575	5040
Three stage FFL mast	4500	1075	2115	5540
	4800	1175	2215	5840
	5000	1435	2475	6540
	6000	1635	2675	7040

