

SPECIFICATION SHEETS

Counterbalance Forklift

Identification	1.1	Manufacturer			BYD
	1.2	Model			ECB35
	1.3	Drive			Electric
	1.4	Operator type			Seat
	1.5	Rated capacity	Q	kg	3500
	1.6	Load center	c	mm	500
	1.8	Load distance, center of drive axle to fork	x	mm	460
	1.9	Wheelbase	y	mm	1725
	Weight	2.1	Service weight		kg
2.2		Axle load, with load, front/rear		kg	7722/1218
2.3		Axle load, without load, front/rear		kg	2274/3166
Wheels, Chassis	3.1	Tyres			SE
	3.2	Tyre size, front		mm	23x10-12
	3.3	Tyre size, rear		mm	200/50-10
	3.5	Wheels, number front rear (X=driven wheels)			2x/2
	3.6	Track width, front	b10	mm	1110
	3.7	Track width, rear	b11	mm	955
	4.1	Tilt of mast/fork carriage forward/backward	a/b	deg	5/8
Basic Dimensions	4.2	Height, mast lowered	h1	mm	2115
	4.3	Free lift	h2	mm	150
	4.4	Lift height	h3	mm	3000
	4.5	Height, mast extended	h4	mm	4120
	4.7	Height of overhead guard	h6	mm	2215
	4.8	Seat height	h7	mm	1140
	4.12	Coupling height	h10	mm	333
	4.19	Overall length	l1	mm	3630
	4.20	Length to face of forks	l2	mm	2560
	4.21	Overall width	b1	mm	1360
	4.22	Fork dimensions	s/e/l	mm	50/125/1000
	4.24	Fork carriage width	b3	mm	1145
	4.31	Ground clearance, with load, below mast	m1	mm	110
	4.32	Ground clearance, center of wheelbase	m2	mm	130
	4.33	Aisle width for pallets 1000x1200 crossways	Ast	mm	4410
4.34	Aisle width for pallets 800x1200 lengthways	Ast	mm	4260	
4.35	Turning radius	Wa	mm	2210	
Performance Data	5.1	Travel speed, with/without load		Km/h	20/20
	5.2	Lift speed, with/without load		m/s	0.38/0.42
	5.3	Lowering speed, with/without load		m/s	0.55/0.45
	5.6	Max. drawbar pull, with/without load		KN	17.2/13.6
	5.8	Max. gradeability, with/without load		%	20/20
	5.9	Acceleration time, with/without load		s	4.9/4.3
Motor	5.10	Service brake			Mech./Hydr.
	6.1	Drive motor rating S2 60 min.		kW	10x2
	6.2	Lift motor rating at S3 15%		kW	22
	6.4	Battery voltage, nominal capacity K5		V/Ah	80/400
	6.5	Battery weight		kg	1460
Others	8.1	Type of drive control			AC
	8.2	Operating pressure for attachments		bar	180
	8.4	Sound level at the driver's ear		dB(A)	65
	8.5	Towing coupling, type			PIN

AMS Asia Machinery Solutions Vietnam
ECB35

MAST TABLE				
Description	Lift height h3 (mm)	Free lift h2 (mm)	Height, mast lowered h1 (mm)	Height, mast extended h4 (mm)
		ECB35	ECB35	ECB35
Two stage mast	3000	150	2115	4120
	3500	150	2315	4620
	4000	150	2615	5120
	4500	150	2915	5620
Two stage FFL mast	3000	960	2080	4120
	3500	1260	2380	4620
	4000	1510	2630	5120
Three stage FFL mast	4500	1080	2200	5620
	4800	1230	2350	6120
	5500	1500	2620	6620
	6000	1750	2870	7120

