

# SPECIFICATION SHEETS

## Counterbalance Forklift

Identification	1.1	Manufacturer			BYD
	1.2	Model			ECB16
	1.3	Drive			Electric
	1.4	Operator type			Seat
	1.5	Rated capacity	Q	kg	1600
	1.6	Load center	c	mm	500
	1.8	Load distance, center of drive axle to fork	x	mm	365
	1.9	Wheelbase	y	mm	1360
	Weight	2.1	Service weight		kg
2.2		Axle load, with load, front/rear		kg	4083/617
2.3		Axle load, without load, front/rear		kg	1466/1634
Wheels, Chassis	3.1	Tyres			SE
	3.2	Tyre size, front		mm	18x7-8
	3.3	Tyre size, rear		mm	15x4.5-8
	3.5	Wheels, number front rear (X=driven wheels)			2x/2
	3.6	Track width, front	b10	mm	890
	3.7	Track width, rear	b11	mm	190
	4.1	Tilt of mast/fork carriage forward/backward	a/b	deg	5/7
Basic Dimensions	4.2	Height, mast lowered	h1	mm	2020
	4.3	Free lift	h2	mm	150
	4.4	Lift height	h3	mm	3000
	4.5	Height, mast extended	h4	mm	4050
	4.7	Height of overhead guard	h6	mm	2050
	4.8	Seat height	h7	mm	985
	4.12	Coupling height	h10	mm	480
	4.19	Overall length	l1	mm	2935
	4.20	Length to face of forks	l2	mm	1935
	4.21	Overall width	b1	mm	1050
	4.22	Fork dimensions	s/e/l	mm	35/100/1000
	4.24	Fork carriage width	b3	mm	1000
	4.31	Ground clearance, with load, below mast	m1	mm	95
	4.32	Ground clearance, center of wheelbase	m2	mm	95
	4.33	Aisle width for pallets 1000x1200 crossways	Ast	mm	3460
4.34	Aisle width for pallets 800x1200 lengthways	Ast	mm	3580	
4.35	Turning radius	Wa	mm	1570	
Performance Data	5.1	Travel speed, with/without load		Km/h	16/16
	5.2	Lift speed, with/without load		m/s	0.4/0.6
	5.3	Lowering speed, with/without load		m/s	0.58/0.47
	5.6	Max. drawbar pull, with/without load		KN	9.0/7.9
	5.8	Max. gradeability, with/without load		%	20/20
	5.9	Acceleration time, with/without load		s	4.5/4.0
5.10	Service brake			Mech./Hydr.	
Motor	6.1	Drive motor rating S2 60 min.		kW	5.5x2
	6.2	Lift motor rating at S3 15%		kW	12
	6.4	Battery voltage, nominal capacity K5		V/Ah	80/200
	6.5	Battery weight		kg	760
	8.1	Type of drive control			AC
Others	8.2	Operating pressure for attachments		bar	160
	8.4	Sound level at the driver's ear		dB(A)	65
	8.5	Towing coupling, type			PIN

# AMS Asia Machinery Solutions Vietnam

## ECB16

MAST TABLE				
Description	Lift height h3 (mm)	Free lift h2 (mm)	Height, mast lowered h1 (mm)	Height, mast extended h4 (mm)
		ECB16	ECB16	ECB16
Two stage mast	3000	150	2020	4050
	3500	150	2260	4550
	4000	150	2510	5050
	4500	150	2809	5550
Two stage FFL mast	3000	970	2020	4050
	3500	1270	2320	4550
	4000	1520	2570	5050
Three stage FFL mast	4500	995	2045	5550
	5000	1195	2245	6050
	5500	1395	2445	6550
	6000	1595	2645	7050

