ECB16/18

CHARGE FOR ONE HOUR. RUN FOR SEVEN*

3,500 lbs - 4,000 lbs | 80V AC Motor | Zero Battery Maintenance | 10-year Battery Warranty

WORK SMARTER

With rapid, restriction-free charging, BYD forklifts operate across multiple shifts without the need to change or replace batteries. Built using iron-phosphate technology, each forklift includes a state-of-the-art Battery Management System and the longest battery warranty in the industry.
With BYD, peace of mind is assured.

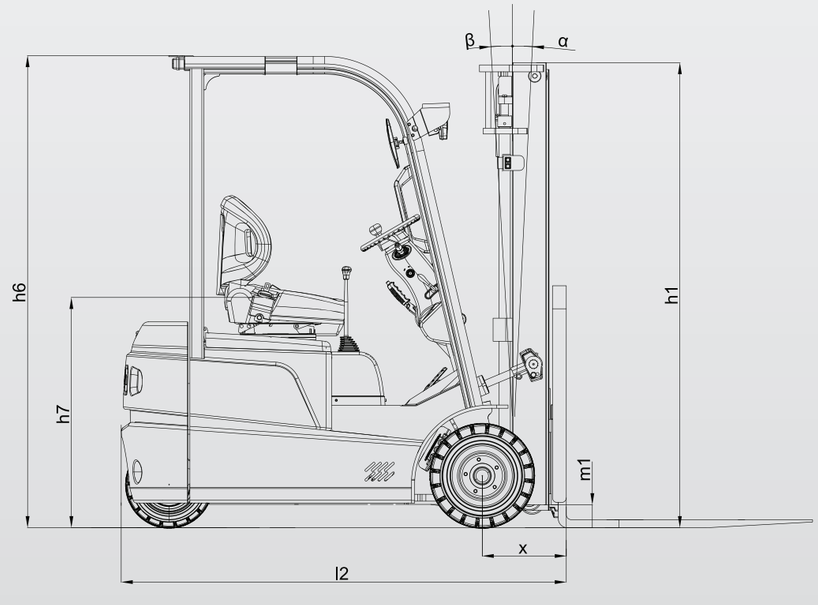
**Runtimes and charging rates vary depending on model, charger and application*

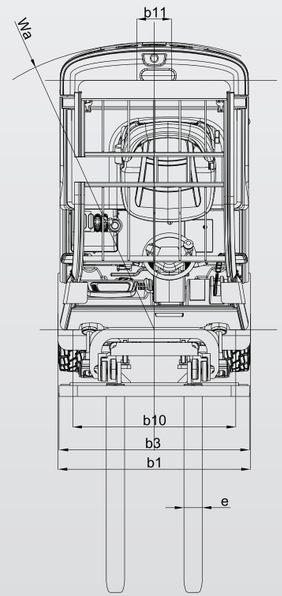
ECB16/18 Specifications

				ECB16	ECB18
	Load capacity: rated load to 118" @ 24" LC		lb	3400	3950
	Operating voltage		v	80 volts	80 volts
	Drive Motors			Dual	Dual
Dimensions	Length to face of forks	l2	in	76.2	78.9
	Minimum turning radius	Wa	in	61.8	64.6
	Load distance, center wheel to face of forks	x	in	14.6	14.6
	Basic right-angle stack (add load and clearance)		in	76.4	79.1
	Overall width	b1	in	41.3	41.3
	Seat height	h7	in	38.8	38.8
	Overhead guard height	h6	in	80.7	80.7
	Carriage width	b3	in	40.1	40.1
	Carriage ITA Type			II	II
	Tilt range (forward/backward)		deg	5/7	5/7
	Ground clearance with load, below mast	m1	in	3.7	3.7
Performance	Travel speed (loaded/unloaded)		MPH	10 / 10	10 / 10
	Lift speed (loaded/unloaded)		FPM	100 / 108	100 / 108
	Lowering speed (loaded/unloaded)		FPM	104 / 98	104 / 98
	Max gradeability (loaded/unloaded)		%	20 / 20	18 / 20
Power System	Drive motor rating (S2=60 min)		KW	2 x 5	2 x 5
	Lift motor rating (S3=15% ED)		KW	16	16
	Battery capacity		KWh	21.6	21.6
	Charging time			1.3h	1.3h
	Battery weight		lb	1433	1433
	Type of drive control			AC	AC
Weight	Service weight including battery		lb	6820	7260
	Axle load, fully loaded (front/rear)		lb	9003 / 1360	9911 / 1334
	Axle load, unloaded (front/rear)		lb	3232 / 3602	3419 / 3856
Tires	Wheel size, front wheel or driving wheel		Spec	18 x 7-8	200/50-10
	Wheel size, rear wheel or supporting wheel		Spec	15 x 4.5-8	140/55-9
	Track width front	b10	in	35.04	35.04
	Track width rear	b11	in	7.48	7.48

Rev_9-20-A

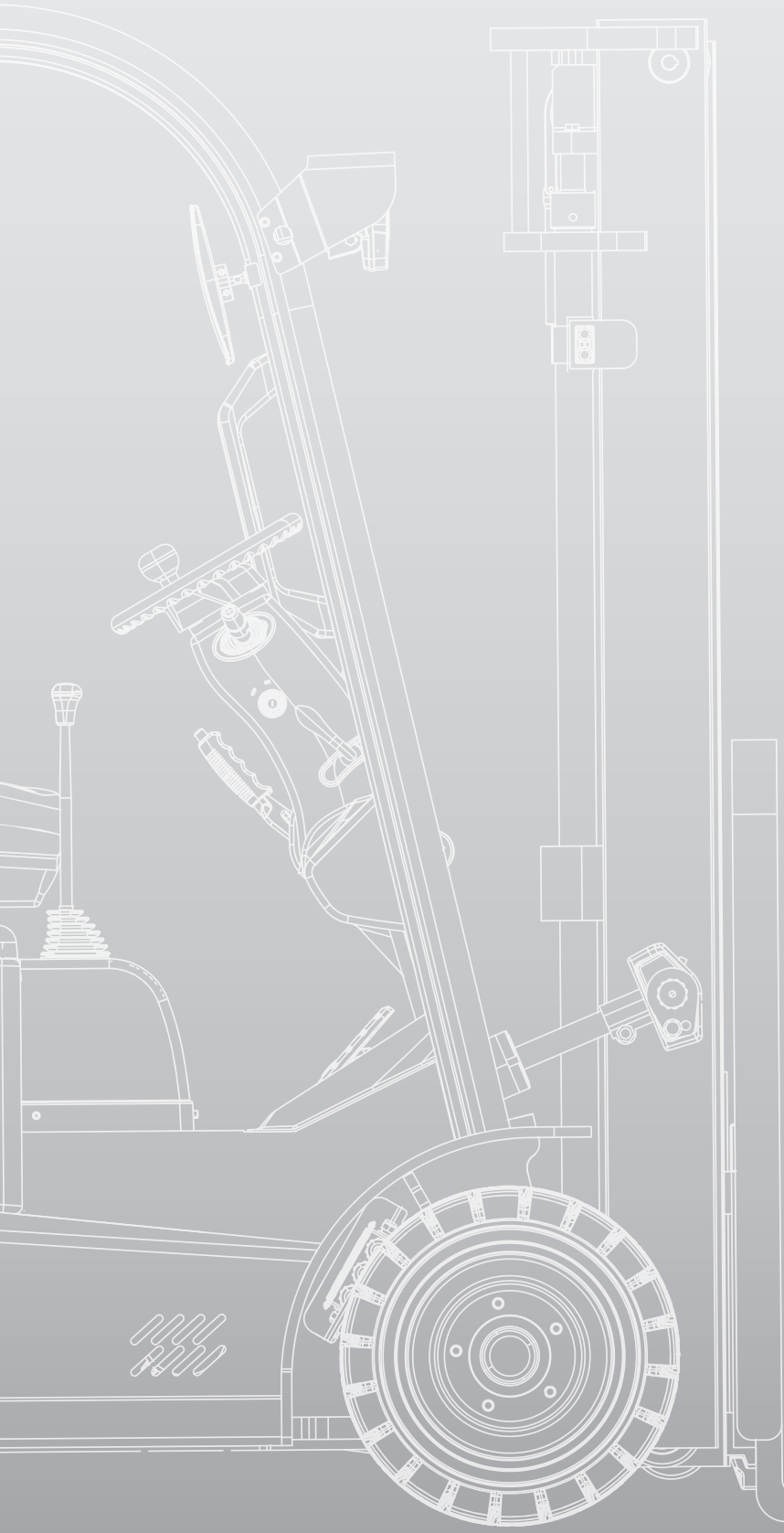
**BYD reserves the right to alter and modify the design, features and technical parameters of its products at any given time and without prior notice, as products are subject to continuous development.*





ECB16/18 Mast Specifications

Mast Specifications (in)	Fork Height	Free Lift	Collapsed Height	Extended Height	Fwd Tilt	Back Tilt	Capacity 24" LC	
							ECB16	ECB18
2-Stage Standard Mast	118	5	80	157	5°	7°	3418	3969
	130	5	85	169	5°	7°	3303	3870
	138	5	89	177	5°	7°	3241	3793
	157	5	101	196	5°	7°	3065	3594
	177	5	111	216	5°	5°	2844	3352
	197	5	123	236	5°	5°	2712	3197
2-Stage FFL Mast	118	42	80	157	5°	7°	3418	3969
	130	48	85	169	5°	7°	3308	3870
	138	52	89	177	5°	7°	3241	3793
	157	64	101	196	5°	7°	3065	3594
3-stage FFL Mast	177	43	81	216	5°	5°	2844	3352
	189	47	85	228	5°	5°	2756	3263
	197	49	87	236	5°	5°	2712	3197
	217	57	95	255	5°	5°	2558	2867
	236	68	105	275	5°	3°	2205	2315
	256	75	112	295	5°	3°	1764	1433



ECB16/18 FEATURES

STANDARD EQUIPMENT

Iron Phosphate Battery Technology
Battery 80V ▪ 21.6 kWh ▪ 270Ah
Charger 80V ▪ 200A
Dual 80V AC Drive Motors
Regenerative Braking
LED Lights (Front ▪ Rear ▪ Strobe)
LCD Display
4-Way Hydraulic Valve
Rear Grab Handle with Horn
Rearview Mirrors
Ramp Hold Assist

STANDARD SAFETY FEATURES

Cornering Speed Reduction
Operator Presence Sensor (OPS)
Orange Seatbelt with Interlock

OPTIONAL EQUIPMENT

Universal 110V Wall Charger
Charger 80V ▪ 100A
Grammer® Suspension Seat
Fingertip Controls
Synchronized Steering
Blue Light
Rear Working Light
Full or Partial Cab Enclosure

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BYD Forklift production site is certified:
ISO 9001 ISO 14004 OHSAS 18001

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