

3.0 TON LITHIUM

# EC30E

## LITHIUM BATTERY EASY CHANGE



V2023.04.01

### Optimize layout for comfortable driving.

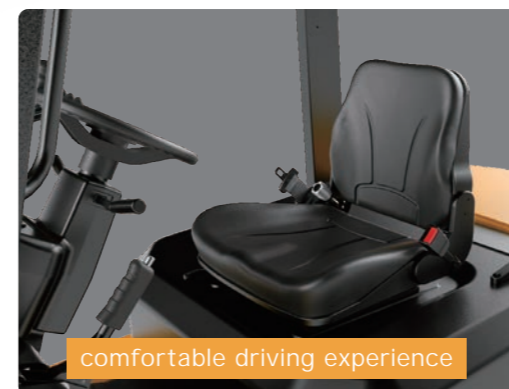
- Steering wheel is adjustable, providing a spacious driving space. The arrangement of the brake and accelerator pedals has been optimized to reduce driver fatigue.
- Integrated stamping instrument panel cover, providing reliable protection for the multi-way valve and steering column.



Integrated instrument panel cover.



Adjustable steering wheel



comfortable driving experience



### Multiple safeguards, safe & reliable.



- Lifting overload protection, hydraulic system explosion-proof design, even if the oil pipe bursts, the gantry will not descend quickly.
- Standard equipped with a bottom cushioning function for the fork, ensuring smooth lifting and reducing.
- Equipped with a slope descent function to prevent slippage on slopes.
- Using top-tier electric lithium batteries, and it is equipped with a BMS system which is developed based on the working conditions of forklifts. The batteries warranty time is 5 years.
- Casting integral tapered roller steering axle, durable and safe.
- Light warning system, convenient for the safe driving area. (Optional)
- Active safety system, which automatically reduces speed when detecting human-shaped objects. (Optional)
- The OPS system ensures that the forklift's forks do not descend when the driver leaves the seat. (Optional)

Active safety system



high-power

Permanent magnet motor

High efficiency

+10%

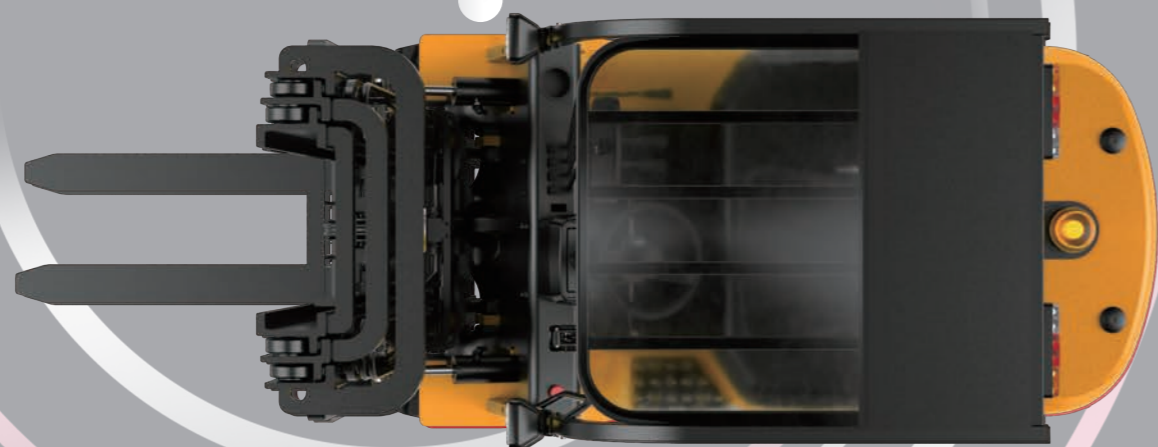
operation time

Long battery life

Waterproof

Indoor and outdoor

turning radius 2217mm



High ground clearance meets the outdoor working conditions.



Selectable proportional lifting function.



Professional waterproof design concept, suitable for indoor and outdoor working conditions.

Battery easy change  
Longer using range

3T LI-ION BATTERY FORKLIFT

easy change

battery option



STANDARD 100AH

option 150AH, 230AH

side extraction

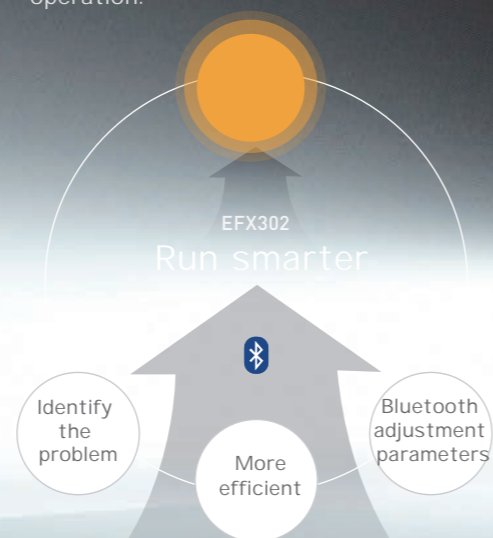
convenience of sustainable operations.





## Smart connectivity convenient maintenance

- Equipped with a self-developed IoT system, operating parameters and fault information can be adjusted through Bluetooth using a mobile phone, making forklift operation more intelligent.
- When the cover is opened, all electrical components such as batteries and electronic controls can be seen, with a clear layout and more convenient operation.



## PARAMETER

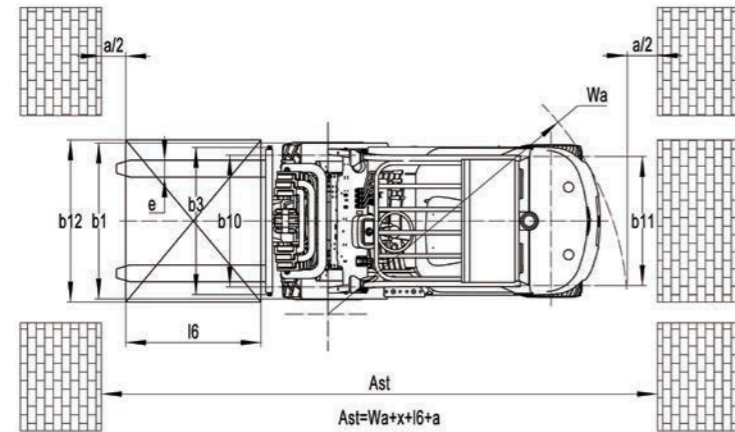
EC30E

Feature	1.1	Manufacturer			YOFITECH	
	1.2	Manufacturer's type designation			EC30E	
	1.3	Drive			Electric	
	1.4	Operation			seated	
	1.5	Capacity/load	Q	kg	3000	
	1.6	Loading Centre	c	mm	500	
	1.8	Load distance	x	mm	481	
	1.9	Wheelbase	y	mm	1650	
	Weight	2.1	Service weight (incl. battery)		kg	3920
2.2		Axle load, laden	front/rear	kg	6580/440	
2.3		Axleload, unladen	front/rear	kg	1700/2220	
Wheel/ Chassis	3.1	TyreType, DriveWheel/CarrierWhee			Pneumatic tire	
	3.2	FrontTyres (Diameter × Width)			7.00-12-16PR	
	3.3	Rear Tyres (Diameter × Width)			18X7-8-14PR	
	3.5	Number of wheels (x = driven)	front/rear	mm	2x/ 2	
	3.6	FrontTrackWidth	b10	mm	975	
	3.7	RearTrackWidth	b11	mm	955	
Dimensions	4.1	Angle of mast/fork carriage	α/β	°	6/ 10	
	4.2	Height of mast when lowered	h1	mm	2070	
	4.3	Free Lift Height	h2	mm	135	
	4.4	Lift Height	h3	mm	3000	
	4.5	Height of mast	h4	mm	4110	
	4.7	Height over overhead guard (low variant)	h6	mm	2170	
	4.8	Seat height/standing height	h7	mm	1110	
	4.12	Couplingheight	h10	mm	295	
	4.19	Totallength (includingTowing Hook)	l1	mm	3566	
	4.20	Length including fork backs	l2	mm	2496	
	4.21	Total width	b1/b2	mm	1154	
	4.22	Fork Size	s/e/l	mm	45×122×1070	
	4.23	ForkRackType			3A	
	4.24	OuterWidthofthe Shelf	b3	mm	1100	
	4.31	Ground clearance under mast	m1	mm	120	
	4.32	Ground clearance, centre of wheel base	m2	mm	150	
	4.34.1	Working aisle width with 1000 x 1200 pallet	Ast	mm	3898	
	4.34.2	Working aisle width with 800 x 1200 pallet	Ast	mm	4098	
	4.35	Turning radius	Wa	mm	2217	
Performance	5.1	Driving Speed	with/without load	km/ h	11/12	
	5.2	Lifting speed	with/without load	m/s	0.29/0.36	
	5.3	lowering speed	with/without load	m/s	0.4/0.43	
	5.5	Drawbar pull (60min) with/without load		N	—	
	5.6	Max drawbar pull(5min) with/withoutload		N	—	
	5.8	Max climbing slope	with/without load	%	15/15	
	5.10	Service brake			Hydraulic	
	5.11	Parking braking			Mechanical Braking	
	Motor	6.1	Drive motor, rating S2 60 min		kW	8
		6.2	Lifting motor, output at S3 15%		kW	16
		6.4	Batteryvoltage		V/Ah	80/100
6.5		Battery weight		kg	—	
Others	8.1	Drive unit type			AC Drive	
	10.5	Steering type			Hydraulic	
	10.7	Noiselevel S		dB(A)	< 74	

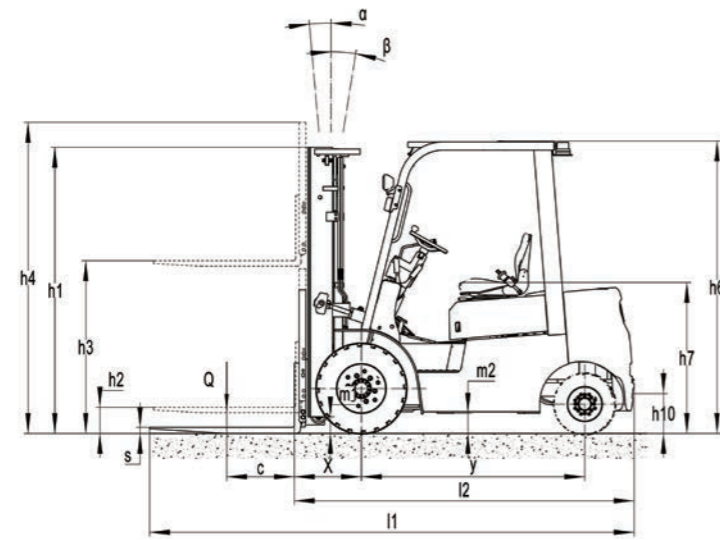
The above content is a product introduction. The chart shown may include non-standard configurations. If there are any improvements in appearance, technical parameters, or configuration, we will try to update the information as soon as possible. However, in some cases, these information may still differ from the latest situation. Please contact the business manager for confirmation before placing an order.

2D DIAGRAM

EC30E



Vertical View



Side View

MAST

EC30E

Mast	lifting height (h3) mm	mast height		free lifting height (h2)		
		lowering height (h1) mm	lifting height (h4)		without backrest mm	with backrest mm
			without braket mm	with backrest mm		
duplex standard	2700	1910	3330	3795	120	120
	3000	2060	3630	4095	120	120
	3300	2210	3930	4395	120	120
	3500	2310	4130	4595	120	120
	3600	2360	4230	4695	120	120
duplex free	4000	2610	4630	5095	120	120
	3000	2040	3630	4095	1410	945
	3300	2190	3930	4395	1560	1095
triplex free	3600	2340	4230	4695	1710	1245
	4300	2040	4930	5395	1410	945
	4500	2120	5130	5595	1490	1025
	4800	2190	5430	5895	1560	1095

OPTIONS

EC30E

NO	Optional	EC30E
1.1	Fork Length	●122*45*1070○122*45*1150○122*45*1220○122*45*1370 ○122*45*1520○122*45*1600○122*45*1700○122*45*1820 ○122*45*2000○122*45*2200○122*45*2400
1.4	ForkRackWidth	●1100mm○Availableand customizable
1.5	ForkRackWidth	●1095mm○Availableand customizable
2.5	FrontWheelMaterial	PneumaticTire Solid Tire Non MarkingTire
2.6	RearWheelMaterial	PneumaticTire Solid Tire Non MarkingTire
2.7	BatteryCapacity	●80V100AHO80V150AHO80V230AH
2.8	Charger	●80V/35A (inside) ○80V/60A (inside) ○80V35AO80V65AO80V130A
2.9	ElectricityMeter	●time
2.10	Seat	Ordinary Comfort Suspension Suspension+Seat Belt Logic Switch
2.11	Attachment	None Built-in sidershifter Externalsidershifter Fork Positioner
2.13	Traction bolt	Standard
2.14	Electrostatic chain	Standard
3.5	Front headlights	●LED
3.6	Rearheadlights	●NONE ○LED
3.7	Warninglights	●Standard
3.8	Indicator lights	●Standard
3.9	Bluelight	One in Rear Two in front Two in front + One in Rear
3.10	Area warning lights	None Red Line, oneon eachside
3.11	Rearview Mirror	●Single ○Optional for double
3.12	Buzzer	Standard
3.17	OPS System	None Optional but not customizable
3.23	Remote monitoring	●Standard but not cutommizable
4.1	battery side changing	●Standard but not cutommizable
4.5	Proportional lifting system	●None○Optional but no customizable
5.1	pallet truck for battery changing	●Standard but not cutommizable

Remark: ●Standard ○Optional -This item does not meettherequirementsoftheproduct