

MAIN SPECIFICATIONS

General	1	Manufacturer	UN	
	2	Model	FB30-FHNLF	FB35-FHNLF
	3	Power Type	Lithium Battery	
	4	Rated Load Capacity	Q(kg)	3000 3500
	5	Load Centre	C(mm)	500 500
Characteristic & Dimension	6	Rated Lift Height	H3(mm)	3000 3000
	7	Free Lift Height	H2(mm)	125 125
	8	Fork Size (L×W×T)	L/E/S(mm)	1070×122×45 1070×122×50
	9	Mast Tilt Angle (F/R, α°/β°)	α/β (°)	6°/12° 6°/12°
	10	Fork Overhang (Wheel Center to Fork Face)	X1(mm)	467 472
	11	Rear Overhang	X2(mm)	530 600
	12	Ground Clearance (Bottom of Mast)	M1(mm)	125 125
	13	Length to Face of Fork (Without Fork)	L2(mm)	2700 2770
	14	Overall Width	B1(mm)	1220 1220
	15	Mast Lowered Height	H1(mm)	2115 2115
	16	Mast Extended Height (With Backrest)	H4(mm)	4150 4150
	17	Overhead Guard Height	H6(mm)	2235 2235
	18	Turning Radius (Outside)	Wa(mm)	2450 2500
	19	Min.Aisle width for pallets	Ast(mm)	4120 4170
Performance	20	Travel Speed (No Load)	km/h	20/20 20/20
	21	Lifting Speed (Full Load)	mm/s	420/500 400/500
	22	Lowering Speed(Full Load/No Load)	mm/s	≤600/≥300 ≤600/≥300
	23	Max.Gradeability (Full Load)	%	20 20
Chassis	24	Tyre (Front x 2)		28×9-15-14PR 28×9-15-14PR
	25	Tyre (Rear x 2)		6.50-10-10PR 6.50-10-10PR
	26	Front Tread	B10(mm)	1000 1000
	27	Rear Tread	B11(mm)	980 980
	28	Wheelbase	Y(mm)	1700 1700
Weight	29	Total Weight	kg	4207 4567
	30	Front Axle Weight Distribution (Full Load)	kg	6,396 7138
	31	Rear Axle Weight Distribution (Full Load)	kg	811 929
	32	Front Axle Weight Distribution (No Load)	kg	1,689 1,647
	33	Rear Axle Weight Distribution (No Load)	kg	2518 2920
Power & Transmission	34	Battery	V/Ah	309.12V/96AH 309.12V/96AH
	35	Drive Motor	KW	30 30
	36	Lift Motor	KW	30 30
	37	Operating Pressure (For Attachments)	Mpa	20.5 20.5



FH SERIES

HIGH VOLTAGE (309V)

LI-ION BATTERY COUNTERBALANCE FORKLIFT

Capacity 3.0 ton - 3.5 ton



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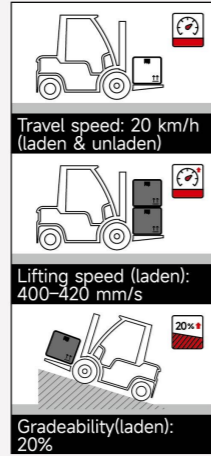
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HIGH PERFORMANCE

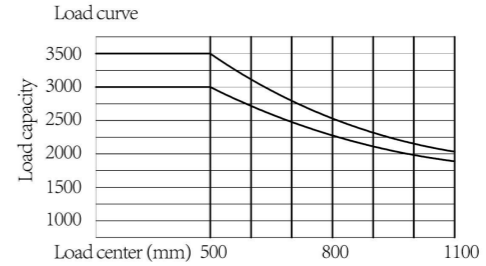
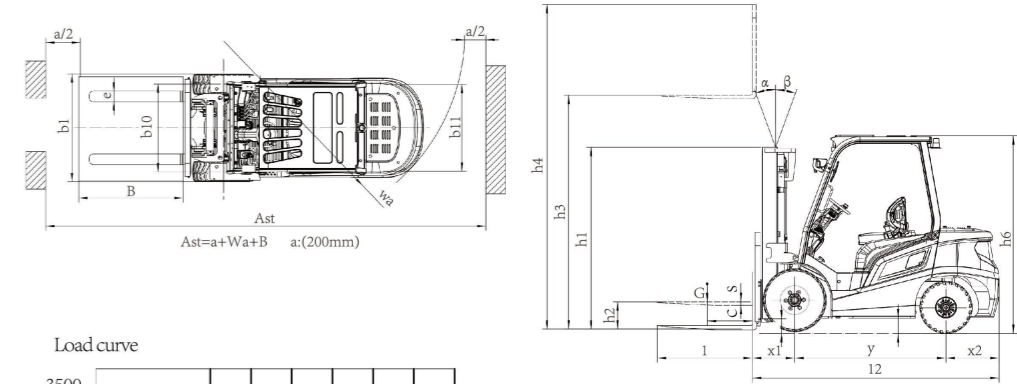
- Automotive-grade PMSM delivers powerful efficiency and torque—beyond electrics, on par with or surpassing IC forklifts.
- High-voltage lithium cuts energy consumption by 10–15%.
- Powerful CATL battery pack with IP67 protection, operable in environments from -20°C to +60°C.
- Integrated motor-controller system, IP67-rated.
- VCU (Vehicle Control Unit) supplied by Bosch(Germany), IP67-rated.
- VCU-controlled water pump & cooling fan for efficient heat dissipation, ensuring long-duration, high-intensity operation.

- Outperforms IC forklifts.



OPTIONS

- -40°C Operation
- 30-Min Fast Charge
- Solid Tire
- Non-marking Tire
- 3rd Valve & Pipe
- 4th Valve & Pipe
- OPS (Operator Presence System)
- Fire Extinguisher
- Rear Blue Spot Light
- Rear Work Light
- Red Line Warning Light(3 sides)
- Multilingual Display
- Front & Rear Wind shield
- Closed Roof
- Cab Heater
- Full Cabin
- Suspension Seat

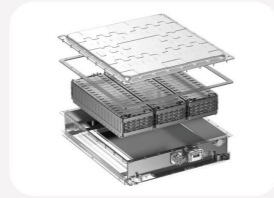
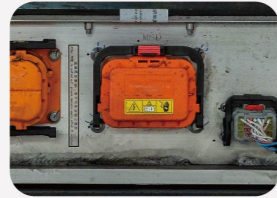


SAFETY & RELIABILITY

- Wide-view mast for enhanced visibility.
- Multifunctional color-screen instruments.
- Cornering speed reduction enhances stability and reduces tipping risk.



- One-touch 12 V auxiliary power cutoff.
- MSD switch for one-touch cutoff of 309 V high-voltage power.
- Water cooling & heating for the battery(Optional).



FAST CHARGING

- Super fast charger—fully charged in 1 hour.
- Compatible with EV charging stations for convenient charging.
- The battery provides 6-year or 10,000-hour warranty and supports up to 7,000 charge cycles.



6-YEAR WARRANTY

10,000-HOUR WARRANTY

7,000 CHARGE CYCLES

EASY MAINTENANCE

- Detachable side panels, front plate, and chassis side covers allow for easy lithium battery replacement.



MAST SPECIFICATIONS & RATED CAPACITIES

Mast Type	Mast Name	Max. Fork Height (mm)	Load capacity (kg)		Overall Height (mm)			Free Lift (mm)		Tilt Angle
					Lowered	Extended		Without Backrest	With Backrest	
			3.0t	3.5t		3.0t/3.5t	3.0t/3.5t			
2-Stage Wide View Mast	M300	3000	3000	3500	2060	3641	4060	125/130	125/130	6-12
	M330	3300	3000	3500	2210	3941	4360	125/130	125/130	6-12
	M350	3500	3000	3500	2310	4141	4560	125/130	125/130	6-12
	M370	3700	3000	3500	2410	4341	4760	125/130	125/130	6-6
	M400	4000	2950	3450	2510	4641	5060	125/130	125/130	6-6
2-Stage Full Free Wide View Mast	M450	4500	2700	3200	2860	5141	5560	125/130	125/130	6-6
	M500	5000	2450	2750	3160	5641	6060	125/130	125/130	6-6
	FM300	3000	3000	3500	2060	3025	4202	1380	838	6-12
	FM330	3300	3000	3500	2210	3325	4502	1530	988	6-12
	FM350	3500	3000	3500	2310	3525	4702	1630	1088	6-12
3-Stage Full Free Wide View Mast	FM370	3700	3000	3500	2410	3725	4902	1730	1188	6-6
	FM400	4000	3000	3500	2610	4025	5202	1930	1388	6-6
	TFM400	4000	2950*3000	3450*3500	1960	4641	5060	1280	860	6-6
	TFM430	4300	2950*3000	3450*3500	2060	4941	5360	1380	960	6-6
	TFM450	4500	2850*3000	3300*3350	2160	5141	5560	1480	1060	6-6
	TFM480	4800	2750*2950	3100*3300	2260	5441	5860	1580	1160	6-6
TFM500	5000	2550*2850	2750*3100	2310	5641	6060	1630	1210	6-6	
TFM550	5500	1700*2750	1900*3000	2510	6141	6560	1830	1410	3-6	
TFM600	6000	1350*2700	1500*2900	2710	6641	7060	2030	1610	3-6	

With side shifter, load capacity subtract 200Kg.
* (Asterisk) is for double front wheels model.