

Electric Forklift Truck



Conforms to EN ISO3691-1
 EN1175-1
 EN16307-1
 Based on Directive 2006/42/EC
 2006/95/EC

Model: FB20R FB25R



Model		FB20R (Semi-AC type)	FB20R (Full AC type)	FB25R (Semi-AC type)	FB25R (Full AC type)
Power		electric	electric	electric	electric
Operation type		seated	seated	seated	seated
Capacity/rated load	Q(kg)	2000	2000	2500	2500
Load centre distance	c(mm)	500	500	500	500
Lift height	h_1 (mm)	3000~6000	3000~6000	3000~6000	3000~6000
Load distance, centre of drive axle to fork	x(mm)	395	395	445	445
Wheelbase	Y(mm)	1480	1480	1480	1480
Service weight (with battery)	kg	3315	3500	4050	4150
Axle loading, laden front/rear	kg	4715/600	4815/685	5807/743	5857/793
Axle loading, unladen front/rear	kg	1545/1770	1635/1865	1829/2221	1859/2246
Tyre type		pneumatic/solid	pneumatic/solid	pneumatic/solid	pneumatic/solid
Tyre size, front	mm	6.50-10	6.50-10	23X9-10	23X9-10
Tyre size, rear	mm	5.00-8	5.00-8	18X7-8	18X7-8
Wheels, number front rear (x=driven wheels)		2x/2	2x/2	2x/2	2x/2
Tread, front	b_{10} (mm)	930	930	970	970
Tread, rear	b_{11} (mm)	920	920	970	970
Tilt of mast/fork carriage forward/backward	Grad	5/10	5/10	5/10	5/10
Height, mast lowered	h_1 (mm)	2015-2610	2015-2610	2050	2050
Height, mast extended	h_2 (mm)	4050-7050	4050-7050	4050-7050	4050-7050
Height of overhead guard (cabin)	h_3 (mm)	2100	2100	2100	2100
Seat height/stand height	h_4 (mm)	1040	1040	1040	1040
Height of traction bolt	h_5 (mm)	260	260	260	260
Overall length	l_1 (mm)	3270	3270	3310	3310
Length to face of forks	l_2 (mm)	2200	2200	2240	2240
Overall width	b_1 (mm)	1130	1130	1200	1200
Fork dimensions	s/e/l(mm)	40/120/1070	40/120/1070	40/120/1070	40/120/1070
Fork carriage DIN 15173, class/type A,B		2A	2A	2A	2A
Fork-carriage width	b_2 (mm)	1088	1088	1160	1160
Ground clearance, laden, below mast	m_1 (mm)	110	110	110	110
Ground clearance, centre of wheelbase	m_2 (mm)	115	115	110	110
Aisle width for pallets 1000x1200 crossways	A_1 (mm)	3600	3600	3700	3700
Aisle width for pallets 800x1200 lengthways	A_2 (mm)	3800	3800	3900	3900
Turning radius	W_1 (mm)	2080	2080	2180	2180
Travel speed, laden/unladen	Km/h	12/13	12/13	12/13	12/13
Lift speed, laden/unladen	mm/s	0.24/0.36	0.28/0.32	0.24/0.36	0.26/0.3
Lowering speed, laden/unladen	mm/s	0.36/0.42	0.36/0.42	0.36/0.42	0.36/0.42
Max. gradeability, laden/unladen	%	15/20	15/20	13/14	13/14
Battery voltage, nominal capacity K5	V/Ah	48/450(500.560.630)	48/500(560.630)	48/500(560.630)	48/560(630)
Battery weight	Kg	680	760	760/820/1055	820/1055
Driving control system		AC	AC	AC	AC

* Option: FB20R Lithium battery 350AH (Charger 48V/100A)
 FB25R Lithium battery 450AH (Charger 48V/200A)

Remark: The data is based on the lifting height 3000mm; Lifting height from 3000mm to 6000mm are available;
 Electric controller selection (1)standard: Enpower (2)Option: Curtis, Inmotion, ZAPI.

Advantages:

SAFETY AND STABILITY

- Improved efficiency most popular H type driving axle, optimized structure layout and improved efficiency.
- High power and large torque AC driving motor, large diameter body to export larger torque, heat radiating groove reserved for better heat texchange in case of extra-long-time use.
- Multifunctional display with using time, fault code, battery status, forklift running information.
- AC driving motor without brush, free of maintenance; low electric current, silent driving.
- Low gravity center thanks to relocated battery, greatly reinforcing steering stability.
- Steering circuit preference, to ensure safety in every turn when steering and lifting in the same time, and to save energy.
- Dual-controller design, one driving controller, the other control steering and lifting.
- Metal housing for better protection.
- Full LED light.

SERVICE ABILITY

- Easy maintained controller and steering potentiometer.
- Brushless lifting and driving motor, reduced cost of ownership; external encoder, easy to replace and service.
- Over discharge protecting system: while the battery discharges less than 20%, the instrument warming light will turn on.
- Braking oil cup installed on the instrument panel, convenient to check and add braking oil.

ERGONOMICS

- Optimized structure creates a large and comfortable operating room.
- Adjustable steering wheel column, the driver can adjust the position according to his need.
- Integrated light switch and steering wheel.
- Clear and wide view mast with good visibility.
- Intelligent mast collapse buffering.

OPTIONAL

- Side-way battery box
- Electromagnetic valve
- Shock-absorbing chair, with power disconnect function
- Dual-front-wheels
- Adjustable lifting motor speed system
- Cold storage application
- Lithium battery

