



**MAKE EVERYTHING EASIER**





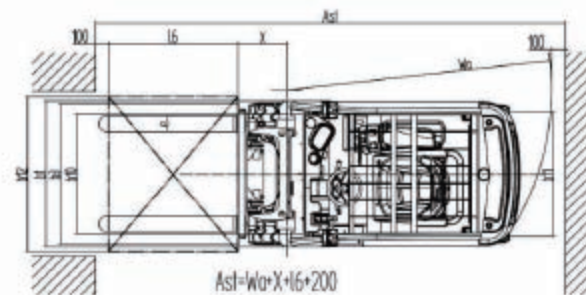
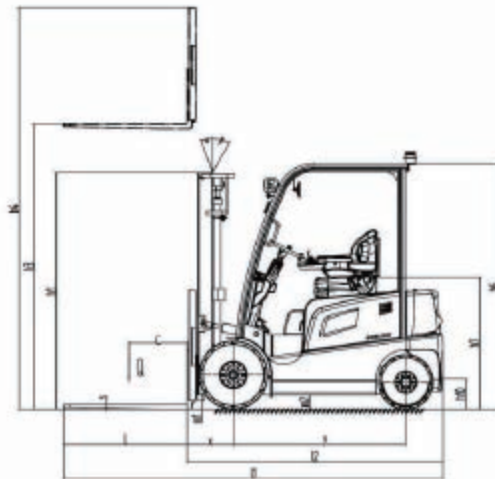
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# FB R



Model		FB16R	FB20R	FB25R	FB30R
		Semi-AC	Semi-AC	Semi-AC	Semi-AC
Power		Electric	Electric	Electric	electric
Operation type		Seated	Seated	seated	seated
Capacity/rated load	Q(kg)	1600	2000	2500	3000
Load centre distance	c(mm)	500	500	500	500
Lift height	$h_3$ (mm)	3000--6000	3000--6000	3000--6000	3000
Load distance,centre of drive axle to fork	X(mm)	395	395	445	460
wheelbase	Y(mm)	1360	1480	1480	1640
Service weight(with battery)	kg	3100	3315	4050	4800
Axle loading,laden front/rear	kg	3870/730	4715/600	5807/743	7050/750
Axle unloading,laden front/rear	kg	1400/1700	1545/1770	1829/2221	2314/2486
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	1040
Tread,rear	$b_{11}$ (mm)	920	920	970	950
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	2100
Height,mast extended	$h_4$ (mm)	4067-7067	4050-7050	4050-7050	4100
Height of overhead guard(cabin)	$h_6$ (mm)	2100	2100	2100	2160
Seat height/stand height	$h_7$ (mm)	1040	1040	1040	1070
Height of traction bolt	$h_{10}$ (mm)	260	260	260	260
Overall length	$l_1$ (mm)	3000	3270	3310	3550
Length to face of forks	$l_2$ (mm)	2080	2200	2240	2470
Overall width	$b_1$ (mm)	1130	1130	1200	1265
Fork dimensions	s/e/l	35/120/920	40/120/1070	40/120/1070	45/125/1070
Fork carriage DIN 15173,class/type A,B		2A	2A	2A	3A
Fork-carriage width	$b_3$ (mm)	1088	1088	1160	1150
Ground clearance,laden,below mast	$m_1$ (mm)	105	110	110	115
Ground clearance,centre of wheelbase	$m_2$ (mm)	115	115	110	120
Aisle width for pallets 1000x1200 crossways	$A_{st}$ (mm)	3500	3600	3700	3900
Aisle width for pallets 800x1200 lengthways	$A_{st}$ (mm)	3700	3800	3900	4100
Turning radius	Wa(mm)	1980	2080	2180	2225
Travel speed,laden/unladen	Km/h	12/13	12/13	12/13	12/13
Lift speed,laden/unladen	mm/s	0.26/0.35	0.24/0.36	0.24/0.36	0.25/0.4
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
Driving motor power		7(AC)	8(AC)	11(AC)	11(AC)
Lifting motor power		8.6(DC)	8.6(DC)	8.6(DC)	8.6(DC)
Battery voltage,nominal capacity K5	V/Ah	48/420(375,480)	48/500(500.560.630)	48/500(560.630)	80/400(450.500)
Battery weight	kg	650	680	760/820/1055	1100/1245/1383

**Remark:** The date is based on the lifting height 3000mm;  
Lifting height from 3000mm to 6000mm are available;

**Electric controller selection**

(1)Full-AC (2)Standard:Enpower (3)Option:Curtis,Inmotion,ZAPI

**Option:** 

FB20R Lithium battery 350AH(Charger 48V/100A)

FB25R Lithium battery 450AH(Charger 48V/150A)

FB30R Lithium battery 450AH(Charger 80V/150A)

# 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 large 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.

## ERGONOMICS:

Optimized stricture creates a large and comfortable operating room,

Adjustable steering wheel column, the drive 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

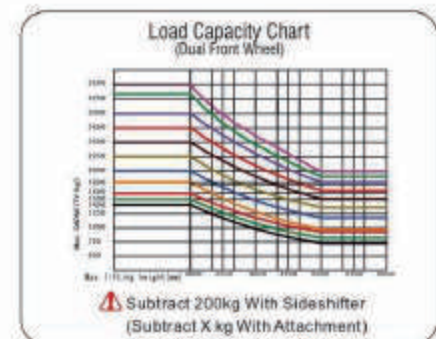
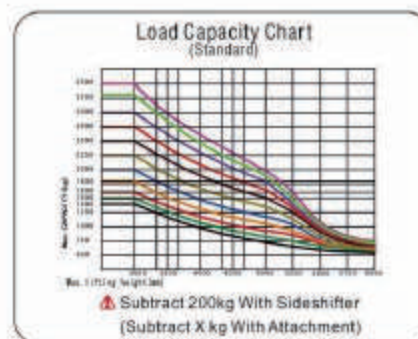
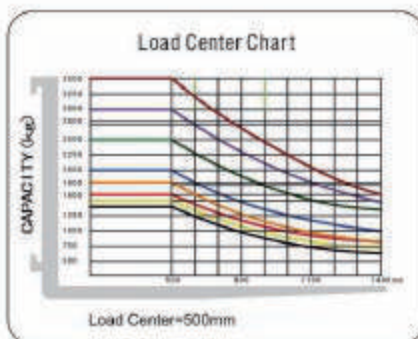
## SERVICE ABILITY:

Easy maintained controller and steering potentionmeter.

Brushless lifting and driving motor, reduced cost of ownership; external encoder, easy to replace and service.

Over discharge protecting system; while the battery discharge 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.





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