



FB16/20/25/30/35R



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

ELECTRIC FORKLIFT

1.6 - 3.5 Ton

SPECIFICATIONS

M SERIES



Model		FB16R	FB20R	FB25R	FB30R	FB30R
Drive: electric (battery type, mains, ...), diesel, petrol, fuel gas		Electric	Electric	Electric	Electric	Electric
Operator type: hand, pedestrian, standing, seated, order-picker		Seated	Seated	Seated	Seated	Seated
Rated capacity/rated load	Q (kg)	1600	2000	2500	3000	3500
Load centre distance	c (mm)	500	500	500	500	500
Load distance, centre of drive axle to fork	x (mm)	395	395	445	460	460
Wheelbase	y (mm)	1360	1480	1480	1640	1640
Service weight	kg	3100	3500	4150	4800	5200
Axle loading, laden front/rear	kg	3870/730	4815/685	5857/793	6950/850	7870/830
Axle loading, unladen front/rear	kg	1400/1700	1635/1865	1859/2291	2200/2600	2300/2900
Tyres: solid rubber, superelastic, pneumatic, polyurethane		Pneumatic/solid	Pneumatic/solid	Pneumatic/solid	Pneumatic/solid	Pneumatic/solid
Tyre size, front		6.50-10	6.50-10	23x9-10	23x9-10	23x10-12
Tyre size, rear		5.00-8	5.00-8	18x7-8	18x7-8	200/50-10
Wheels, number front/rear (x = driven wheels)		2x/2	2x/2	2x/2	2x/2	2x/2
Tread, front	b ₁₀ (mm)	930	930	970	1040	1040
Tread, rear	b ₁₁ (mm)	920	920	950	950	950
Tilt of mast/fork carriage forward/backward	a/β (°)	5/10	5/10	5/10	5/10	5/10
Height, mast lowered	h ₁ (mm)	2015	2015	2050	2160	2160
Lift	h ₃ (mm)	3000-6500	3000-6500	3000-6500	3000-6500	3000-6500
Height, mast extended	h ₄ (mm)	4067	4050	4050	4270	4290
Height of overhead guard (cabin)	h ₆ (mm)	2100	2100	2100	2160	2160
Seat height relating to SIP/stand height	h ₇ (mm)	1040	1040	1040	1070	1070
Coupling height	h ₁₀ (mm)	260	260	260	260	260
Overall length	l ₁ (mm)	3000	3270	3350	3550	3620
Length to face of forks	l ₂ (mm)	2080	2200	2280	2470	2540
Overall width	b ₁ /b ₂ (mm)	1130	1130	1200	1302	1302
Fork dimensions DIN ISO 2331	s/e/l (mm)	40/100/920	40/120/1070	40/120/1070	45/125/1070	50/125/1070
Fork-carriage width	b ₃ (mm)	1088	1088	1160	1220	1220
Ground clearance, laden, below mast	m ₁ (mm)	105	110	110	115	115
Ground clearance, centre of wheelbase	m ₂ (mm)	115	115	110	120	120
Aisle width for pallets 1000 × 1200 crossways	Ast (mm)	3500	3600	3700	3900	3960
Aisle width for pallets 800 × 1200 lengthways	Ast (mm)	3700	3800	3900	4100	4160
Turning radius	Wa (mm)	1980	2080	2180	2280	2340
Travel speed, laden/unladen	km/h	12/13	12/13	12/13	12/13	12/13
Lift speed, laden/unladen	m/s	0.26/0.35	0.28/0.32	0.26/0.30	0.25/0.35	0.21/0.35
Lowering speed, laden/unladen	m/s	0.36/0.42	0.36/0.42	0.4/0.40	0.4/0.40	0.4/0.40
Max.Gradeability, laden/unladen	%	15/20	15/20	13/14	13/14	13/14
Service brake		Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic
Drive motor rating S2 60 min	kW	7.0(AC)	8.0(AC)	11.0(AC)	14.0(AC)	14.0(AC)
Lift motor rating at S3 15%	kW	10.0(AC)	10.6(AC)	12.0(AC)	13.5(AC)	13.5(AC)
Battery voltage/nominal capacity K5	(V)//(Ah) or kWh	48/375(420,480)	48/450(500,560,630)	48/500(560,630)	80/400(450/500)	80/400(450/500)
Battery weight	kg	600/650/720	680/760/820/1055	760/820/1055	1100/1270/1383	1100/1270/1383
Sound pressure level at the driver' s seat	dB (A)	68	68	68	68	68

Remark: Electric controller, Chinese controller ACM as standard, INMOTION and CURTIS as option.

Option: 

FB16R Lithium battery 250AH-400AH
 FB20R Lithium battery 250AH-525AH
 FB25R Lithium battery 350AH-525AH
 FB30R Lithium battery 250AH-400AH
 FB35R Lithium battery 250AH-400AH

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

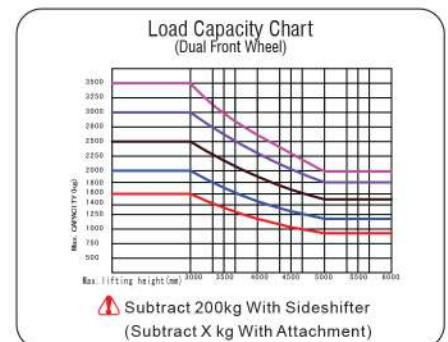
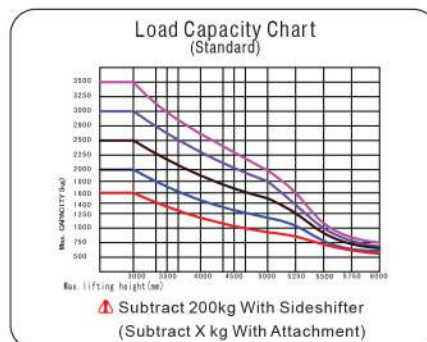
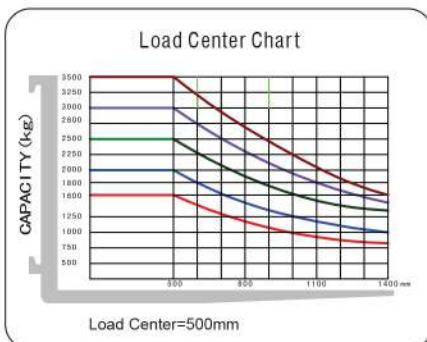
SERVICE ABILITY:

Easy maintained controller and steering potentionmeter.

Brushless lifting and driving motor,reduced cost of owner-ship;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.





Hydraulic operation handle



Low gravity design



Full LED light

