

Model:
FB16R
FB20R
FB25R
FB30R
FB35R

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



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.

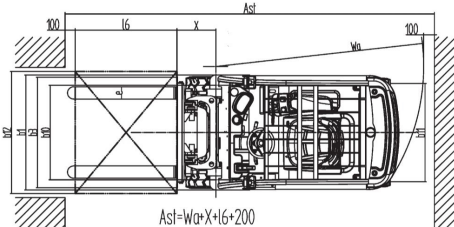
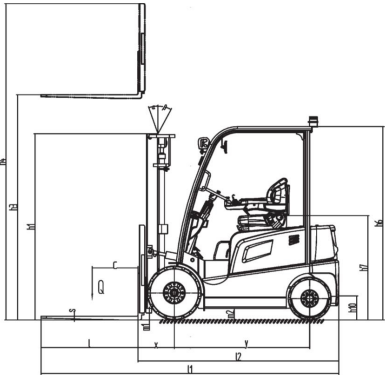
OPTIONAL

- 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

	1.2	Model	FB16R	FB20R	FB25R	FB30R-E	FB30R	FB35R
General Information	1.3	Drive: electric (battery type, mains, ...), diesel, petrol, fuel gas	Electric	Electric	Electric	Electric	Electric	Electric
	1.4	Operator type: hand, pedestrian, standing, seated, order-picker	Seated	Seated	Seated	Seated	Seated	Seated
	1.5	Rated capacity/rated load	Q (kg)	1600	2000	2500	3000	3500
	1.6	Load centre distance	c (mm)	500	500	500	500	500
Weight	1.8	Load distance, centre of drive axle to fork	x (mm)	395	395	445	460	460
	1.9	Wheelbase	y (mm)	1360	1480	1480	1640	1640
	2.1	Service weight	kg	3100	3500	4150	4500	5200
	2.2	Axle loading, laden front/rear	kg	3870/730	4815/685	5857/793	6650/850	6950/850
Tyres/Chassis	2.3	Axle loading, unladen front/rear	kg	1400/1700	1635/1865	1859/2291	1900/2600	2200/2600
	3.1	Tyres: solid rubber, superelastic, pneumatic, polyurethane	Pneumatic/solid	Pneumatic/solid	Pneumatic/solid	Pneumatic/solid	Pneumatic/solid	solid rubber
	3.2	Tyre size, front		6.50-10	6.50-10	23X9-10	23X9-10	23X10-12
	3.3	Tyre size, rear		5.00-8	5.00-8	18X7-8	18X7-8	200/50-10
	3.5	Wheels, number front/rear (x = driven wheels)		2x/2	2x/2	2x/2	2x/2	2x/2
	3.6	Tread, front	b10 (mm)	930	930	970	1040	1040
	3.7	Tread, rear	b11 (mm)	920	920	970	950	950
Dimensions	4.1	Tilt of mast/fork carriage forward/backward	a/b (°)	5/10	5/10	5/10	5/10	5/10
	4.2	Height, mast lowered	h1 (mm)	2015	2015	2050	2100	2100
	4.4	Lift	h3 (mm)	3000-6500	3000-6500	3000-6500	3000-6500	3000-6500
	4.5	Height, mast extended	h4 (mm)	4067	4050	4050	4200	4100
	4.7	Height of overhead guard (cabin)	h6 (mm)	2100	2100	2100	2160	2160
	4.8	Seat height relating to SIP/stand height	h7 (mm)	1040	1040	1040	1070	1070
	4.12	Coupling height	h10 (mm)	260	260	260	260	260
	4.19	Overall length	l1 (mm)	3000	3270	3350	3550	3620
	4.20	Length to face of forks	l2 (mm)	2080	2200	2280	2470	2540
	4.21	Overall width	b1/b2 (mm)	1130	1130	1200	1302	1302
	4.22	Fork dimensions DIN ISO 2331	s / e / l (mm)	35/120/920	40/120/1070	40/120/1070	45/125/1070	50/125/1070
	4.24	Fork-carriage width	b3 (mm)	1088	1088	1160	1100	1150
	4.31	Ground clearance, laden, below mast	m1 (mm)	105	110	110	115	115
	4.32	Ground clearance, centre of wheelbase	m2 (mm)	115	115	110	120	120
	4.34.1	Aisle width for pallets 1000 × 1200 crossways	Ast (mm)	3500	3600	3700	3900	3960
Performance Data	4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast (mm)	3700	3800	3900	4100	4160
	4.35	Turning radius	Wa (mm)	1980	2080	2180	2280	2340
	5.1	Travel speed, laden/unladen	km/h	12/13	12/13	12/13	10/11	12/13
	5.2	Lift speed, laden/unladen	m/s	0.26/0.35	0.28/0.32	0.26/0.3	0.20/0.35	0.25/0.35
	5.3	Lowering speed, laden/unladen	m/s	0.36/0.42	0.36/0.42	0.36/0.42	0.4/0.40	0.4/0.40
Motors	5.8	Max.Gradeability, laden/unladen	%	15/20	15/20	13/14	13/14	13/14
	5.10	Service brake	hydraulic	hydraulic	hydraulic	hydraulic	hydraulic	hydraulic
	6.1	Drive motor rating S2 60 min	kW	7(AC)	8(AC)	11(AC)	11(AC)	14(AC)
	6.2	Lift motor rating at S3 15%	kW	10 (AC)	10.6(AC)	12(AC)	12(AC)	13.5(AC)
	6.4	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)
Performance Data	6.5	Battery weight	kg	600/650/720	680/760/820/1055	760/820/1055	820/1055	1100/1270/1383
	10.7	Sound pressure level at the driver's seat	dB (A)	68	68	68	68	68

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

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



Electric Forklift Truck

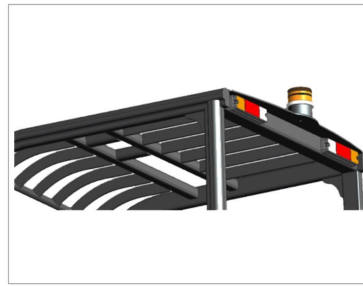
HULKMAN



Hydraulic operation handle



Low gravity design



Full LED light



FB16R/FB20R Wide View Mast

Type	Fork Lifting Height(H3) mm	Lowered Height(H1) mm	Max.Height of Mast Extended(H4)		Free Lifting Height(H2)		Mast Tilt Degree		Capacity	
			With backrest mm	Without backrest mm	With backrest mm	Without backrest mm	Forward deg	Backward deg	c=500mm Kg(FB16R)	c=500mm Kg(FB20R)
2-stage mast wide view	3000	2010	4000	3505	0	0	5	10	1600	2000
	3300	2160	4300	3805	0	0	5	10	1430	1820
	3500	2260	4500	4005	0	0	5	10	1350	1700
	4000	2510	5000	4505	0	0	5	10	1180	1480
2 stage mast with full free lifting	3000	2110	4000	3505	1095	1595	5	10	1600	2000
	3300	2260	4300	3805	1245	1745	5	10	1430	1820
	3500	2410	4500	4005	1395	1895	5	10	1350	1700
	4000	1900	5000	4505	890	1385	5	10	1180	1480
3 stage mast with full free lifting	4500	2110	5500	5005	1100	1595	5	6	820	1300
	4800	2210	5800	5305	1200	1695	5	6	770	1220
	5000	2270	6000	5505	1260	1755	5	6	730	1170
	5600	2470	6600	6105	1480	1955	5	6	600	720
	6000	2610	7000	6505	1600	2095	5	6	550	600
	6200	2670	7200	6705	1660	2155	5	6	450	500

FB25R Wide View Mast

Type	Fork Lifting Height(H3) mm	Lowered Height(H1) mm	Max.Height of Mast Extended(H4)		Free Lifting Height(H2)		Mast Tilt Degree		Capacity	
			With backrest mm	Without backrest mm	With backrest mm	Without backrest mm	Forward deg	Backward deg	c=500mm Kg	
2-stage mast wide view	3000	2050	4050	3555	0	0	5	10	2500	
	3300	2200	4350	3855	0	0	5	10	2270	
	3500	2300	4550	4055	0	0	5	10	2200	
	4000	2600	5050	4555	0	0	5	10	1900	
2 stage mast with full free lifting	3000	2160	4050	3555	1010	1605	5	10	2500	
	3500	2460	4550	4055	1410	1905	5	10	2200	
	4000	2660	5050	4555	1610	2105	5	10	1900	
	4500	2160	5560	5170	1160	1550	5	6	1680	
3 stage mast with full free lifting	4700	2205	5750	5310	1225	1595	5	6	1620	
	4800	2240	5850	5410	1260	1630	5	6	1580	
	5000	2310	6050	5620	1310	1704	5	6	1520	
	5600	2525	6620	6265	1525	1840	5	6	900	
	6000	2710	7060	6720	1710	2010	5	6	650	
	7000	3140	8010	7670	2140	2470	5	6	300	

FB30R/35R Wide View Mast

Type	Fork Lifting Height(H3) mm	Lowered Height(H1) mm	Max.Height of Mast Extended(H4)		Free Lifting Height(H2)		Mast Tilt Degree		Capacity	
			With backrest mm	Without backrest mm	With backrest mm	Without backrest mm	Forward deg	Backward deg	c=500mm Kg(FB30R)	c=500mm Kg(FB35R)
2-stage mast wide view	2500	1825	3725	3110	0	0	5	10	3000	3500
	3000	2075	4225	3610	0	0	5	10	3000	3500
	3300	2225	4525	3910	0	0	5	10	2800	3100
	3500	2325	4725	4110	0	0	5	10	2630	2980
	4000	2580	5225	4610	0	0	5	10	2300	2620
3 stage mast with full free lifting	4500	2175	5725	5110	950	1505	5	6	2030	2280
	5000	2325	6225	5610	1100	1655	5	6	1800	2000
	5500	2440	6725	6110	1215	1770	5	6	1000	1100
	6000	2680	7225	6610	1455	2010	3	6	680	750
	7000	3145	8225	7610	1920	2475	3	6	350	400

