



# 4-Wheel Electric Forklift Truck

with capacities of 1,500 to 5,000 kgs

**EQUIP MAX**  
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# 4-Wheel Electric Forklift 1.5 to 5.0 Ton

4-wheel electric forklifts are the most welcomed models due to the attractive appearance and excellent performance. With capacity from 1.5 ton to 5.0 ton, 4-wheel electric forklifts are well used for all kinds of applications especially warehouse.

## High Performance

Regeneration Function: The battery will withdraw electricity automatically when decelerating or parking.

Reliable AC Technology: Either Italian ZAPI controller or American Curtis controller provides the infinite variable drive and lift control. The brushless AC motors offer improved efficiency and reduce maintenance cost.

CAN bus communications network provides superior dependability.



ZAPI Controller



Curtis Controller

Full AC system delivers quiet ride and zero emission, reduces maintenance costs and enhances productivity.

## Reliability

Adopts H-type axle design and low center of gravity by placing the battery deeper into the truck, which can enhance stability of the truck.



Water-resistant and dust-proof motor and controller: Provide excellent reliability even in wet weather.



High capacity battery, easy to check and remove

## Comfort

Comfortable seat with larger seat-back angle provides maximum operator comfort. also has full suspension seat for option.



## Safety

The strong overhead guard offers great protection combined with excellent all-round visibility. It can protect operators and strengthen the truck's structure.



## Easy Maintenance

Maintenance Free AC Motor: Make forklift release less heat and ensures higher efficiency. Simple structure and maintenance free components decrease maintenance cost. The removable maintenance cover helps to access to the controller easier and more convenient.



Our small diameter steering wheel features a standard spinner knob to maximize maneuverability and operator confidence.



Multifunctional Panel: Adopts streamline design with super wide LED screen which can display clear contents with abundant information, and can keep operator aware of truck conditions and enhance operator's safety.



Optimized pedal position: The position of accelerator has been optimized through human engineering.



High strength mast and excellent visibility are desirable for safe operation. The panoramic mirror expands the driver's view when backing up.

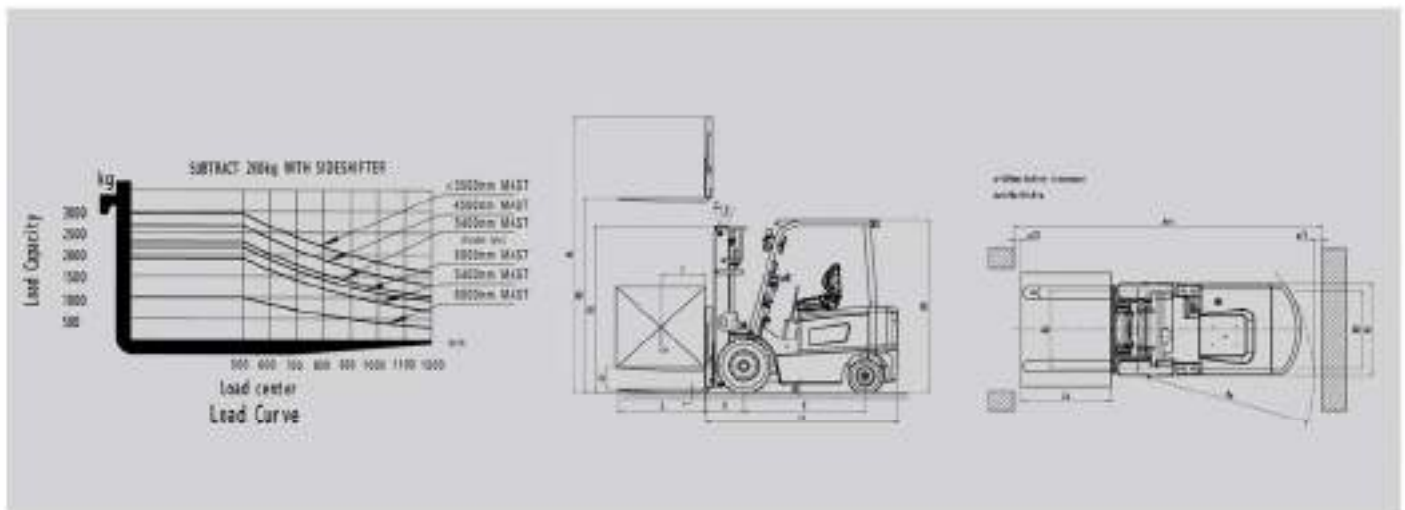
## Available Options

- Two stage full free mast
- Three stage full free mast
- Side shift
- Solid tires
- Cabin
- Forks positioner
- Forks extensions
- Widen backrest or Carriage
- Suspension seat
- Heater & Air conditioner
- LED lights
- OPS system
- Automatic water filling system
- Camera & display
- Mast top limited system
- Cold storage type
- 3rd Valve & Pipe
- 4th Valve & Pipe
- Attachments

# 1.5-3.5 Ton 4-Wheel Electric Forklift

## MAIN SPECIFICATIONS

Specification	1	Model		FB15-FAZ1/FAC1	FB20-FAZ1/FAC1	FB25-FAZ1/FAC1	FB30-FAZ1/FAC1	FB35-FAZ1/FAC1
	2	Rated Load Capacity	Q(kg)	1500	2000	2500	3000	3500
	3	Load Centre	C(mm)	500	500	500	500	500
	4	Lift Height	H3(mm)	3000	3000	3000	3000	3000
	5	Free Lift	H2(mm)	100	100	100	100	100
	6	Fork Size (L×W×T)	L/W/T(mm)	920×120×35	1070×120×40	1070×120×40	1070×125×45	1070×125×50
	7	F.B.(α°/β°)	Deg	6°/12°	6°/12°	6°/12°	6°/12°	6°/12°
Dimensions	8	Length (To Fork Face)	L1(mm)	2150	2380	2380	2475	2535
	9	Width	B1(mm)	1000	1150	1150	1225	1225
	10	Mast Lowered Height	H1(mm)	2025	2055	2055	2070	2070
	11	Mast Extended Height (With Backrest)	H4(mm)	4055	4070	4070	4070	4070
	12	Overhead Guard Height	H5(mm)	2125	2125	2125	2125	2125
	13	Turning Radius	Wa(mm)	1995	2080	2080	2215	2280
	14	Fork Overhang (Wheel Center to Fork Face)	X(mm)	409	478	478	485	485
	15	Front Tread	B2(mm)	890	970	970	1000	1000
	16	Rear Tread	B3(mm)	820	950	950	980	980
	17	Ground Clearance	H6(mm)	110	120	120	130	130
	18	Wheelbase	Y(mm)	1380	1500	1500	1600	1600
19	Fork Spread (Min/Max)	mm	240/970	250/1040	250/1040	250/1100	250/1100	
20	Working Aisle Width With Pallet (1000×1200, 1200 Lengthways)	As1(mm)	3805	3930	3930	3970	4035	
21	Working Aisle Width With Pallet (800×1200, 800 Lengthways)	As2(mm)	3805	3960	3960	4100	4165	
Performance	22	Travel Speed (Full Load)	km/h	12	12	12	12	12
	23	Travel Speed (No Load)	km/h	13	13	13	13	13
	24	Lifting Speed (Full Load)	mm/s	280	300	300	280	280
	25	Lifting Speed (No Load)	mm/s	380	420	420	440	440
	26	Max Gradeability (Full Load)	%	18	18	18	16	12
	27	Total Weight (Include Battery Box)	kg	3060	4160	4420	5160	5420
	28	Tyre (Front x 2)		6.50-10.10PR	7.00-12.12PR	7.00-12.12PR	28×9.15-12PR	28×9.15-12PR
29	Tyre (Rear x 2)		5.00-8-8PR	18×7-8-14PR	18×7-8-14PR	18×7-8-14PR	18×7-8-14PR	
Drive	30	Driver Motor	kw	7.5/6.5	11/9	11/9	12/15	12/15
	31	Pump Motor	kw	9.2/11	11/11	11/11	12/24	12/24
	32	Battery (Standard)	V/Ah	48/450	48/620	48/620	80/500	80/500
	33	Controller Type		AC	AC	AC	AC	AC
	34	Controller Manufacturer		ZAPI/CURTIS	ZAPI/CURTIS	ZAPI/CURTIS	ZAPI/CURTIS	ZAPI/CURTIS
	35	Operating Pressure	Mpa	14.5	17.5	17.5	17.5	17.5



## 1.5 TON MAST SPECIFICATIONS & RATED CAPACITIES

Mast Type	Mast Name	Max. Fork Height (mm)	Load Capacity (kg) Load Center (500mm)		Overall Height (mm)			Free Lift (mm)		Tilt Angle	Total Weight (kg)	
					Lowered	Extended		Without Backrest	With Backrest		Without Backrest	With Backrest
			1.5t	1.5t		With Backrest	Without Backrest					
2-Stage Wide View Mast	BM300	3000	1500	2025	3075	4855	100	100	6-12	3260		
	BM330	3300	1500	2175	3675	4355	100	100	6-12	3275		
	BM360	3600	1500	2275	4075	4555	100	100	6-12	3085		
	BM400	4000	1500	2575	4575	5055	100	100	6-6	3110		
	BM430	4300	1300	2725	4875	5255	100	100	6-6	3120		
	BM450	4500	1250	2875	5075	5555	100	100	6-6	3130		
	BM470	4700	1100	2925	5275	5755	100	100	6-6	3140		
	BM500	5000	950	3125	5575	6055	100	100	6-6	3170		
	BM550	5500	800	3375	6075	6655	100	100	3-6	3195		
	BM600	6000	600	3625	6575	7255	100	100	3-6	3220		
2-Stage Full Free Wide View Mast	BFM300	3000	1500	2025	3570	4950	1460	380	6-12	3135		
	BFM330	3300	1500	2175	3920	4420	1610	1130	6-12	3150		
	BFM360	3600	1300	2275	4070	4950	1710	1030	6-12	3380		
	BFM400	4000	1500	2625	4570	5050	2060	1090	6-6	3155		
3-Stage Full Free Wide View Mast	ETFM430	4300	1250	2925	4070	5335	1460	300	6-6	3245		
	ETFM450	4500	1200	2975	5070	5535	1560	1050	6-6	3260		
	ETFM470	4700	1180	3125	5270	5735	1565	1100	6-6	3275		
	ETFM500	5000	900	3225	5570	6035	1665	1200	6-6	3300		
	ETFM550	5500	800	3425	6070	6535	1860	1400	3-6	3340		
	ETFM600	6000	600	3625	6570	7035	2000	1600	3-6	3380		

Note: With Separated Side shifter, load capacity subtract 150Kg; With Integrated side shifter, load capacity subtract 50Kg

## 2.0-2.5 TON MAST SPECIFICATIONS & RATED CAPACITIES

Mast Type	Mast Name	Max. Fork Height (mm)	Load Capacity (kg) Load Center (500mm)		Overall Height (mm)			Free Lift (mm)		Tilt Angle	Total Weight (kg)	
					Lowered	Extended		Without Backrest	With Backrest		Without Backrest	With Backrest
			2.0t	2.5t		2.0/2.5t	2.0/2.5t					
2-Stage Wide View Mast	BM300	3000	2000	2500	2055	3590	4070	100	100	6-12	4180	4420
	BM330	3300	2000	2500	2205	3890	4370	100	100	6-12	4185	4445
	BM360	3600	2000	2500	2305	4090	4570	100	100	6-12	4200	4460
	BM400	4000	2000	2400	2605	4590	5070	100	100	6-6	4240	4500
	BM430	4300	1800	2350	2755	4890	5370	100	100	6-6	4285	4525
	BM450	4500	1800	2150	2855	5090	5570	100	100	6-6	4280	4540
	BM470	4700	1700	1900	2955	5290	5770	100	100	6-6	4300	4560
	BM500	5000	1600	1900	3155	5590	6070	100	100	6-6	4330	4590
	BM550	5500	1500	1900	3405	6090	6570	100	100	3-6	4370	4630
	BM600	6000	950	1900	3655	6590	7070	100	100	3-6	4410	4670
2-Stage Full Free Wide View Mast	BFM300	3000	2000	2500	2070	3605	4068	1470	1067	6-12	4200	4460
	BFM330	3300	2000	2500	2220	3955	4418	1620	1167	6-12	4225	4485
	BFM360	3600	2000	2500	2320	4155	4588	1720	1267	6-12	4240	4500
	BFM400	4000	2000	2400	2670	4655	5088	2020	1607	6-6	4280	4540
3-Stage Full Free Wide View Mast	ETFM400	4000	1500	2400	1945	4607	5070	1300	385	6-6	4330	4570
	ETFM430	4300	1650	2200	2045	4807	5370	1400	385	6-6	4340	4600
	ETFM450	4500	1750	2100	2095	5107	5670	1408	1035	6-6	4380	4620
	ETFM470	4700	1720	2000	2145	5307	5770	1548	1085	6-6	4380	4640
	ETFM500	5000	1600	1900	2245	5607	6070	1648	1185	6-6	4410	4670
	ETFM550	5500	1500	1900	2445	6107	6570	1800	1385	3-6	4460	4720
	ETFM600	6000	950	1900	2645	6607	7070	2020	1585	3-6	4500	4760
ETFM750	6500	600	1900	2895	7107	7570	2220	1835	3-6	4580	4840	
ETFM700	7000	400	400	3095	7607	8070	2300	2005	3-6	4630	4890	

Note: With Separated Side shifter, load capacity subtract 200Kg; With Integrated side shifter, load capacity subtract 50Kg.

## 3.0-3.5 TON MAST SPECIFICATIONS & RATED CAPACITIES

Mast Type	Mast Name	Max. Fork Height (mm)	Load Capacity (kg) Load Center (500mm)		Overall Height (mm)			Free Lift (mm)		Tilt Angle	Total Weight (kg)	
					Lowered	Extended		Without Backrest	With Backrest		Without Backrest	With Backrest
			3.0t	3.5t		3.0/3.5t	3.0/3.5t					
2-Stage Wide View Mast	BM300	3000	3000	3500	2070	3595	4070	100	100	6-12	5180	5420
	BM330	3300	3000	3500	2220	3895	4370	100	100	6-12	5185	5445
	BM360	3600	3000	3500	2320	4095	4570	100	100	6-12	5200	5460
	BM400	4000	3000	3500	2620	4595	5070	100	100	6-6	5240	5500
	BM430	4300	2800	3300	2770	4895	5370	100	100	6-6	5285	5525
	BM450	4500	2700	3300	2870	5095	5570	100	100	6-6	5280	5540
	BM470	4700	2600	3000	2970	5295	5770	100	100	6-6	5300	5560
	BM500	5000	2200	2700	3170	5595	6070	100	100	6-6	5330	5590
	BM550	5500	2000	2500	3420	6095	6570	100	100	3-6	5370	5630
	BM600	6000	1300	1800	3670	6595	7070	100	100	3-6	5410	5670
2-Stage Full Free Wide View Mast	BFM300	3000	3000	3500	2070	3600	4065	1382	967	6-12	5220	5480
	BFM330	3300	3000	3500	2220	3940	4415	1532	1067	6-12	5245	5505
	BFM360	3600	3000	3500	2320	4090	4565	1632	1167	6-12	5280	5520
	BFM400	4000	3000	3000	2670	4590	5065	1882	1507	6-6	5320	5560
3-Stage Full Free Wide View Mast	ETFM400	4000	2800	3500	1940	4700	5115	1272	767	6-6	5300	5560
	ETFM430	4300	2700	3200	2040	5000	5415	1372	867	6-6	5320	5580
	ETFM450	4500	2600	3100	2110	5200	5675	1422	947	6-6	5360	5640
	ETFM470	4700	2500	3000	2160	5400	5875	1472	967	6-6	5400	5680
	ETFM500	5000	2100	2600	2260	5700	6175	1572	1067	6-6	5430	5690
	ETFM550	5500	2000	2500	2460	6200	6675	1772	1267	3-6	5480	5740
	ETFM600	6000	1300	1800	2660	6700	7175	1972	1467	3-6	5520	5780
ETFM650	6500	800	1400	2810	7200	7675	2220	1747	3-6	5600	5860	
ETFM700	7000	700	1200	3110	7700	8175	2300	1947	3-6	5650	5910	

Note: With Separated Side shifter, load capacity subtract 200Kg; With Integrated side shifter, load capacity subtract 50Kg.

# 4-Wheel Electric Forklift Trucks

FB45-FB50

with capacities of 4,500 to 5,000kg



## MAST SPECIFICATIONS & RATED CAPACITIES

Mast Type	Mast Name	Max. Fork Height (mm)	Load Capacity (Load Centre 500mm) (kg)		Overall Height (mm)			Free Lift (mm)		Tilt Angle (F/R)	Total Weight (kg)	
					Lowered	Extended		Without Backrest	With Backrest			
						4.5/5.0t	Without Backrest				With Backrest	4.5/5.0t
Wide View Mast	BM300	3000	4500	5000	2250	3710	4260	81	81	6-9	7000	7280
	BM330	3300	4500	5000	2400	4000	4560	84	84	6-9	7075	7335
	BM350	3500	4500	5000	2500	4230	4760	84	84	6-9	7115	7375
	BM370	3700	4500	4850	2600	4430	4960	84	84	6-9	7155	7415
	BM400	4000	4500	4450	2800	4710	5260	81	81	4-4	7200	7490
	BM430	4300	4200	4300	2950	5030	5560	84	84	6-6	7285	7545
	BM450	4500	4000	4200	3050	5230	5760	84	84	6-6	7325	7585
	BM470	4700	3600	3700	3150	5430	5960	84	84	6-6	7365	7625
	BM500	5000	3400	3550	3300	5730	6260	84	84	6-6	7415	7675
	BM550	5500	2700	2700	3550	6230	6760	84	84	6-6	7535	7795
	BM600	6000	2400	2400	3850	6730	7260	94	94	6-6	7655	7915

With Separated Side shifter, load capacity subtract 200kg. With integrated side shifter, load capacity subtract 100kg.



# MAIN SPECIFICATIONS

		<b>EQUIPMAX</b>		
Specification	1	Manufacturer		1
	2	Model	FB45-A21	2
	3	Rated Load Capacity	4500	3
	4	Load Centre	500	4
	5	Lift Height	3000	5
	6	Free Lift	84	6
	7	Fork Size (LxWxT)	1076x150x50	7
	8	F/Bla°(B°)	6°/10°	8
Dimensions	9	Length (To Fork Face)	2940	9
	10	Width	1612	10
	11	Max. Lowered Height	2250	11
	12	Max. Extended Height With Backrest	4260	12
	13	Overhead Guard Height	2300	13
	14	Turning Radius	2705	14
	15	Fork Overhang (Wheel Center to Fork Face)	550	15
	16	Front Tread	1300	16
	17	Rear Tread	1300	17
	18	Ground Clearance	125	18
	19	Wheelbase	2000	19
	20	Fork Spread (Min/Max)	250/1300	20
	21	Working Axle Width With Pallet (1200x1200)	4655	21
Performance	22	Travel Speed (Full Load)	12.5	22
	23	Travel Speed (No Load)	13.5	23
	24	Lifting Speed (Full Load)	290	24
	25	Lifting Speed (No Load)	400	25
	26	Max. Gradeability (Full Load)	13	26
	27	Max. Gradeability (No Load)	13	27
	28	Total Weight (Include Battery Box)	7020	28
	29	Tyre (Front x 2)	28x12.5-15PR	29
	30	Tyre (Rear x 2)	21x8-9	30
	Drive	31	Drive Motor	11x2
32		Pump Motor	25.4	32
33		Battery (Standard)	80/800	33
34		Controller Type	AC	34
35		Controller Manufacturer	ZAP	35
36		Operating Procedure	28	36

Specifications and characteristics are subject to change without notice. Please contact us for detailed information.

**EQUIPMAX**

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