



FB15/20/25/30/35

FOUR-WHEEL ELECTRIC FORKLIFT TRUCK

ZOOMLION



Zoomlion Anhui Industrial Vehicle Co., Ltd. is one of the important sectors of Zoomlion Group, established in 2010, covering an area of nearly 300 acres with the total investment of 600 million yuan. After second phase project it will have an annual output of 30,000 units of production capacity for industrial vehicles. The modern factory and process layout, advanced production equipment beckon Zoomlion "sincere and modest, profound and long-standing" brand connotation.

Relying on Zoomlion advanced technology and process equipment in professional manufacturing field, our product creativity is improved effectively and the product resource combination is formed, which can meet demands of the mainstream markets at home and abroad. It has now formed the internal combustion type, battery type, storage type, 209 kinds of forklift products resources. Currently, Zoomlion forklift products have been widely used in papermaking, automobile, tobacco, logistics, stone material and other industries.

Sticking to the idea of "providing high quality service by adopting exquisite technique", our company attaches much importance to customers various demands in different stages, such as purchase, usage, maintenance, update, etc. In addition, we bring our customers pleasure, touched and added economic interests by providing intimate service.

Through Call Center, Internet, Remote Assistance, On-the-spot Operation and other modern innovative service modes, our company formed and consolidated the dominant position of Zoomlion forklift in the field of after-sales service.

TECHNICAL FEATURES

The AC traction electrical control and AC pump electrical control are configured with self protection and maintenance free.

All motors are provided with temperature sensors and speed sensors.

The closed-loop control of travelling speed is configured with standard configuration of power switch (turtle crawl), which provides safety and energy saving.

The function of automatic parking on a slope under no-load/full load condition is configured.

An interactive CURTIS LCD instrument is provided, by which, the running performance and lifting performance can be set, operating condition of each motor can be monitored and working time and failure codes can be obtained.

The closed-loop control of lifting speed is designed to guarantee accurate and comfortable lifting operation.

The electrical system is controlled by CAN bus that transmits signals fast and accurately.

The climbing power is sufficient and the whole speed can be increased by 20%.

The operation performance is excellent; for running and lifting, the inching is stable and acceleration is rapid.

Load sensing and single pump distribution technologies are adopted and turning noise during running is remarkably decreased.

The separate tooth low-noise pump is provided thus working noise is reduced remarkably.

Energy from braking can recharge the battery by 30%, prolonging the battery life.

The mast with wide field of sight is standard configuration, providing clear sight and high efficiency.

The descending buffer is standard configuration, preventing the mast impact during descending.

The mast is formed by steel channel with big cross-section, which has solid structure and strong load-bearing capability.



FOUR-WHEEL ELECTRIC FORKLIFT TRUCK FB15/20/25/30/35

FEATURES		FB15B/J	FB20B/J	FB25B/J	FB30B/J	FB35B/J
Power	-	Battery	Battery	Battery	Battery	Battery
Rated Capacity	kg	1500	2000	2500	3000	3500
Center of load	J(mm)	500	500	500	500	500
Lifting height	h1 (mm)	3000	3000	3000	3000	3000
Free lifting height	h3(mm)	135	145	145	145	145
Forks L×W×H	L5×W×T(mm)	920×105×35	920×122×40	1070×122×40	1070×125×45	1070×125×50
Tilt Forward/Backward	°	6/12	6/12	6/12	6/12	6/12
Min.turning radius	R1(mm)	1850	2090	2090	2245	2385
Min.ground clearance(Mast)	Ra(mm)	3570	3885	4035	4198	4340
ground clearance(Mast)	m(mm)	105	110	110	120	120
Overhead guard height	h4(mm)	2100	2160	2160	2186	2305
Front overhang	L3(mm)	400	475	475	480	495
Rear overhang	L4(mm)	335	434	434	429	429
PERFORMANCE						
Max.traveling speed(loaded)	km/h	12	13	13	13.5	13
Max.lifting speed (loaded/empty)	mm/s	310/330	280/300	280/300	280/320	280/400
Drawbar pull/Gradeability	kN/%	5.5/15	7/15	7/15	12/15	12/15
SIZE						
Overall length (without fork)	L1 (mm)	2905	3279	3429	3581	3700
Overall width	W1(mm)	1090	1150	1150	1238	1238
Mast lowered height	h2(mm)	1990	1995	1995	2065	2095
Mast extended height	mm	4025	4025	4025	4260	4265
CHASSIS						
Tire Front	-	6.50-10-10PR	7.00-12-12PR	7.00-12-12PR	28×9-15-14PR	28×9-15-14PR
Tire Rear	-	5.00-8-10PR	18x7-8-14PR	18x7-8-14PR	18×7-8	18×7-8
Wheelbase	L2(mm)	1250	1450	1450	1600	1720
Tread width(Front/Rear)	S/P(mm)	900/930	972/956	972/956	1000/980	1000/980
Curb weight(Non-load)	kg	2990	3950	4050	4980	5150
ENGINE						
Battery(Voltage/Capacity)	V/Ah	48/450	48/630	48/630	80/500	80/585
Battery(Model)	-	D-450	D-630	D-630	D-500	D-585
Rated power (Walking)	kw	8	11	11	12	12
Rated power (Auxiliary)	kw	7.5/10	8.6/14	8.6/14	12/14	12/14
Working pressure	MPa	14.5	17.5	17.5	17.5	17.5

Remark: "B" means Semi AC motor, "J" means Full AC motor

The company reserve the right for specification change; Should any revision on specification, a further notice shall prevail.

STANDARD CONFIGURATION			OPTIONS			ATTACHMENTS		
Wideview mast	Durable pneumatic tire	Key switch	<input type="checkbox"/> Windshield	<input type="checkbox"/> Fire extinguisher	<input type="checkbox"/> Carpet boom			
Standard seat	Timer	Hydraulic powered steering	<input type="checkbox"/> Cab	<input type="checkbox"/> File clip	<input type="checkbox"/> Side shifter			
Backrest	Electric Horn	Handle	<input type="checkbox"/> Luxury seat	<input type="checkbox"/> Rear light	<input type="checkbox"/> Hook			
Reversing light	Turning signal	Toolbox	<input type="checkbox"/> double front tire and protector	<input type="checkbox"/> Color tire (white /green)	<input type="checkbox"/> Lifting boom			
Reversing buzzer	Service brake	Rubber pad	<input type="checkbox"/> Auxiliary hydraulic valve	<input type="checkbox"/> Turning Automatic speed limit	<input type="checkbox"/> Hinged fork			
Rearview mirror	Lifting & tilting handle	Combined instrument panel	<input type="checkbox"/> Solid tyre		<input type="checkbox"/> Paper roll clamp			
Light switch	Speed limit valve	Hydraulic oil return filter	<input type="checkbox"/> Steel Grid guard		<input type="checkbox"/> Barrel clamp			
Overhead guard	Traction pin	Hydraulic oil intake filter	<input type="checkbox"/> Alarming light		<input type="checkbox"/> Extended fork			
2 piece multi valve	Headlamp	Hydraulic oil level gauge	<input type="checkbox"/> Mini fan		<input type="checkbox"/> Fork cover			
Lamp bracket	Adjustable steering wheel		<input type="checkbox"/> Optional painting		<input type="checkbox"/> Load stabilizer			
Rear lamp	Tilt oil passage self-locking valve		<input type="checkbox"/> Tilt cylinder dust cover		<input type="checkbox"/> Wide view duplex/triplex full free mast			
					<input type="checkbox"/> Revolving Flat Clamps			

M-DUPLEX STANDARD MAST

		Capacity					Mast height								Mast Tilt
Lifting	Height	1.5T	2T	2.5T	3T	3.5T	1.5T		2T-2.5T		3T		3.5T		
	mm	Single tire					Forks landing	Height with Backrest	Forks landing	Height with Backrest	Forks landing	Height with Backrest	Forks landing	Height with Backrest	Angle F/R
	kg	kg	kg	kg	kg	mm	mm	mm	mm	mm	mm	mm	mm	°	
	2000	1500	2000	2500	3000	3500	1490	3025	1495	3025	1565	3260	1595	3265	6/12
	2500	1500	2000	2500	3000	3500	1740	3525	1745	3525	1815	3760	1845	3765	6/12
	3000	1500	2000	2500	3000	3500	1990	4025	1995	4025	2065	4260	2095	4265	6/12
	3300	1500	2000	2500	3000	3500	2140	4325	2145	4325	2215	4560	2245	4565	6/12
	3500	1500	2000	2500	3000	3500	2240	4525	2245	4525	2315	4760	2345	4765	6/12
	3700	1500	2000	2500	3000	3500	2340	4725	2345	4725	2415	4960	2445	4965	6/12
	4000	1500	2000	2500	3000	3500	2540	5025	2545	5025	2615	5260	2645	5265	6/12
	4500	1300	1800	2200	2600	2850	2790	5525	2795	5525	2865	5760	2895	5765	6/6 *6/12
	5000	950	1300	1450	2100	2400	3040	6025	3045	6025	3115	6260	3145	6265	6/6 *6/6
	5500	*1000	*1500	*1700	*2400	*2700	3340	6525	3345	6525	3415	6760	3445	6765	*3/6
	6000	*650	*1300	*1400	*2000	*2300	3590	7025	3595	7025	3665	7260	3695	7265	*3/6

Remark: * means double tires

Z-DUPLEX FULL FREE MAST

		Capacity					Mast height								Free lifting height				Mast Tilt
Lifting	Height	1.5T	2T	2.5T	3T	3.5T	1.5T		2T-2.5T		3T		3.5T		1.5T	2T-2.5T	3T	3.5T	
	mm	Single tire					Forks landing	Height with Backrest	Forks landing	Height with Backrest	Forks landing	Height with Backrest	Forks landing	Height with Backrest	With Backrest	With Backrest	With Backrest	With Backrest	Angle F/R
	kg	kg	kg	kg	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	°
	2000	1500	2000	2500	3000	3500	1490	3035	1495	3035	1565	3275	1595	3273	495	511	337	367	6/12
	2500	1500	2000	2500	3000	3500	1740	3535	1745	3535	1815	3775	1845	3773	745	761	587	617	6/12
	3000	1500	2000	2500	3000	3500	1990	4035	1995	4035	2065	4275	2095	4273	995	1011	837	867	6/12
	3300	1500	2000	2500	3000	3500	2140	4335	2145	4335	2215	4575	2245	4573	1145	1161	987	1017	6/12
	3500	1500	2000	2500	3000	3500	2240	4535	2245	4535	2315	4775	2345	4773	1245	1261	1087	1117	6/12
	3700	1500	2000	2500	3000	3500	2340	4735	2345	4735	2415	4975	2445	4973	1345	1361	1187	1217	6/12
	4000	1500	2000	2500	3000	3500	2540	5035	2545	5035	2615	5275	2645	5273	1545	1561	1387	1417	6/12

Remark: The max lifting height without Backrest: 1.5T-510mm, 2T-2.5T-420mm, 3T-3.5T-580mm
The max free lifting height without Backrest: 1.5T+510mm, 2T-2.5T+420mm, 3T-3.5T+580mm

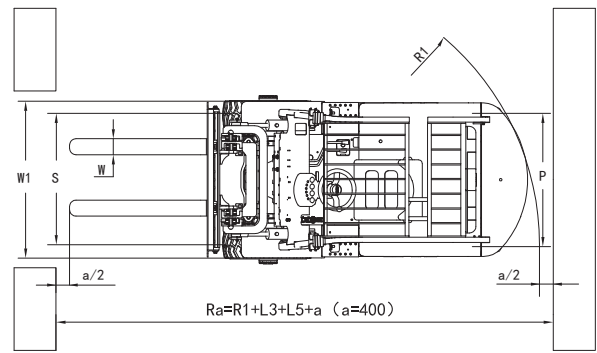
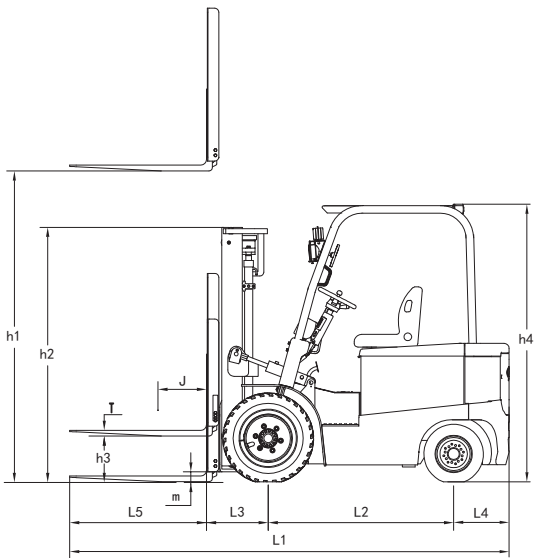
S-TRIPLEX MAST

		Capacity					Mast height								Free lifting height				Mast Tilt
Lifting	Height	1.5T	2T	2.5T	3T	3.5T	1.5T		2T-2.5T		3T		3.5T		1.5T	2T-2.5T	3T	3.5T	
	mm	Single tire					Forks landing	Height with Backrest	Forks landing	Height with Backrest	Forks landing	Height with Backrest	Forks landing	Height with Backrest	With Backrest	With Backrest	With Backrest	With Backrest	Angle F/R
	kg	kg	kg	kg	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	°
	3600	1500	2000	2500	3000	3350	1725	4590	1765	4625	1830	4865	1830	4870	730	781	602	607	6/6
	4000	1300	2000	2500	3000	3350	1860	4990	1900	5025	1965	5270	1965	5275	865	916	737	742	6/6
	4350	1200	1870	2370	2870	3270	1975	5340	2015	5375	2080	5615	2080	5620	980	1031	852	857	6/6
	4500	1200	1750	2070	2570	3050	2025	5490	2065	5525	2130	5765	2130	5770	1030	1081	902	907	6/6
	4800	1100	1650	1750	2250	2700	2125	5790	2165	5825	2230	6065	2230	6070	1130	1181	1002	1007	6/6
	5000	1000	1450	1500	2000	2450	2195	5990	2230	6025	2295	6260	2295	6265	1200	1246	1067	1072	6/6
	5500	*1000	*1350	*1650	*2300	*2600	2415	6490	2395	6525	2460	6755	2460	6765	1420	1411	1232	1237	*3/6
	6000	*650	*1100	*1300	*2100	*2350	2575	6990	2615	7025	2680	7265	2680	7270	1580	1631	1452	1457	*3/6

Remark: The max lifting height without Backrest: 1.5T-510mm, 2T-2.5T-410mm, 3T-3.5T-580mm
The max free lifting height without Backrest: 1.5T+510mm, 2T-2.5T+410mm, 3T-3.5T+580mm
* means double tires

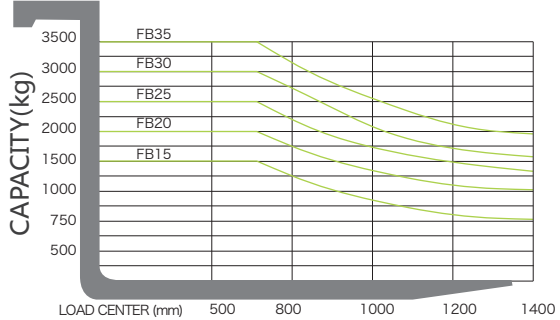
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MACHINE 3D GRAPH



CAPACITY CHART

The load table: 1.5t-3.5t



Parameter list

Model	Size(L×W×H)	Capacity(Ah)	Standard Specification	Remark
FB15	990×645×480	450	9DB450	Standard
FB15	990×645×480	500	9DB500	high end
FB20-25	1070×810×515	630	9PzS630	Standard
FB20-25	1070×810×515	720	9PzS720H	high end
FB30	1126×900×515	520	8DB520H	Standard
FB35	1126×1020×515	585	9DB585H	Standard
FB35	1126×1020×515	600	9DB600	high end