

ZOOMLION

Electric Forklift

1.5/2.0/2.5/3.0/3.5t
Lithium Battery Option



GREEN POWER



Flexible and efficient

ZOOMLION MATERIAL HANDLING

◆ en.zoomlion.com



PRODUCT FEATURES

ZOOMLION

Efficiency



Lithium-ion battery with rapid charge and zero maintenance. 5-year guarantee on li-ion batteries offers a long-term performance promise.



Compact in narrow storage. High efficient working with 3 selected speed models for maximum productivity.



Battery side roll out is taken as a standard in order to easily and fast replace the battery.

Individuality



Multifunctional display with a range of symbols shows all of the important functions at a glance.



Ergonomically designed operator position with side levers control and excellent mast visibility.



Optional integrated fingertip control system and the combined operating armrest integrates the emergency cut-o, horn and quadruple thumb switches.

Safety



Controllers, motors and other electrical components are sealed from dust and water with IP54 rating.



The rear axle is provided with a flexible suspension system, comfort and durable.



The hood can be opened at a very large angle facilitating the maintenance and service.

Lead-acid Battery Forklift

ZOOMLION

Features		FB15Z	FB20H	FB25H	FB30S	FB35S
Power	-	Electric	Electric	Electric	Electric	Electric
Rated Capacity	Q(kg)	1500	2000	2500	3500	3500
Center of load	c(mm)	500	500	500	500	500
Lifting height	h3(mm)	3000	3000	3000	3000	3000
Free lifting height	h2(mm)	135	145	145	160	160
Forks LxWxH	s/e/l(mm)	920×100×35	1070×122×40	1070×122×40	1070x125x45	1070x125x50
Tilt Forward/Backward	°	6/12	6/10	6/10	6/10	6/10
Min.turning radius	Wa(mm)	1850	2180	2200	2200	2200
Min.ground clearance	Ra(mm)	3570	4120	4140	3890	3890
ground clearance(Mast)	m1(mm)	105	110	110	120	120
Overhead guard height	h6(mm)	2100	2240	2240	2210	2210
Front overhang	x(mm)	400	475	475	480	495
PERFORMANCE						
Max.traveling speed(loaded/empty)	km/h	12/13	14/15	14/15	14.5/15	14.5/15
Max.lifting speed(loaded/empty)	mm/s	285/400	300/400	300/400	325/420	325/420
Descent speed(loaded/empty)	mm/s	≥300	≥300	≥300	≥300	≥300
Gradeability	%	15	15	15	15	15
SIZE						
Overall length (with fork)	L1(mm)	2905	3435	3456	3497	3497
Overall width	b1/b2	1090	1186	1186	1226	1226
Mast lowered height	h1(mm)	1990	1990	1990	2155	2155
Mast extended height	h4(mm)	4025	3000	3000	4262	4262
CHASSIS						
Number of wheels front / rear (x = drive)	-	2x/2	2x/2	2x/2	2x/2	2x/2
Tire Front	-	6.50-10-10PR	7.00-12-12PR	7.00-12-12PR	28x9-15	28x9-15
Tire Rear	-	5.00-8-10PR	18x7-8-14PR	18x7-8-14PR	18x7-8	18x7-8
Wheelbase	y(mm)	1250	1600	1600	1680	1680
Tread width(Front/Rear)	b10/11(mm)	900/930	980/950	980/950	1000/958	1000/958
ENGINE						
Curb weight(Non-load)	kg	2990	3810	4060	5028	5540
Battery(Voltage/Capacity)	V/Ah	48/400	48/600	48/600	80/540	80/540
Rated power of drive motor,S2 60min	kw	8	11	11	16.6	16.6
Rated power of lifting motor,S3 15%	kw	10	15	15	13.5	13.5
Controller	-	CURTIS	CURTIS	CURTIS	CURTIS	CURTIS
Control mode	-	100%AC	100%AC	100%AC	100%AC	100%AC

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Lithium Battery Forklift



Features		FB15Z(L)	FB20H(L)	FB25H(L)	FB30S(L)	FB35S(L)
Power	-	Lithium Battery	Lithium Battery	Lithium Battery	Lithium Battery	Lithium Battery
Rated Capacity	Q(kg)	1500	2000	2500	3000	3500
Center of load	c(mm)	500	500	500	500	500
Lifting height	h3(mm)	3000	3000	3000	3000	3000
Free lifting height	h2(mm)	135	145	145	160	160
Forks L×W×H	s/e/l(mm)	920×100×35	1070×122×40	1070×122×40	1070x125x45	1070x125x50
Tilt Forward/Backward	°	6/12	6/10	6/10	6/10	6/10
Min.turning radius	Wa(mm)	1850	2180	2200	2200	2200
Min.ground clearance	Ra(mm)	3570	4120	4140	3890	3890
ground clearance(Mast)	m1(mm)	105	110	110	120	120
Overhead guard height	h6(mm)	2100	2240	2240	2210	2210
Front overhang	x(mm)	400	475	475	480	495
PERFORMANCE						
Max.traveling speed(loaded/empty)	km/h	12/13	14/15	14/15	14.5/15	14.5/15
Max.lifting speed(loaded/empty)	mm/s	285/400	300/400	300/400	325/420	325/420
Descent speed(loaded/empty)	mm/s	≥300	≥300	≥300	≥300	≥300
Gradeability	%	15	15	15	15	15
SIZE						
Overall length (with fork)	L1(mm)	2905	3435	3456	3497	3497
Overall width	b1/b2	1090	1186	1186	1226	1226
Mast lowered height	h1(mm)	1990	1990	1990	2155	2155
Mast extended height	h4(mm)	4025	3000	3000	4262	4262
CHASSIS						
Number of wheels front / rear (x = drive)	-	2x/2	2x/2	2x/2	2x/2	2x/2
Tire Front	-	6.50-10-10PR	7.00-12-12PR	7.00-12-12PR	28x9-15	28x9-15
Tire Rear	-	5.00-8-10PR	18×7-8-14PR	18×7-8-14PR	18x7-8	18x7-8
Wheelbase	y(mm)	1250	1600	1600	1680	1680
Tread width(Front/Rear)	b10/11(mm)	900/930	980/950	980/950	1000/958	1000/958
ENGINE						
Curb weight(None-load)	kg	2990	3810	4060	5028	5540
Battery(Voltage/Capacity)	V/Ah	76.8/252	48/404	48/404	76.8/400	76.8/400
Rated power of drive motor,S2 60min	kw	7.5	11	11	16.6	16.6
Rated power of lifting motor,S3 15%	kw	8	15	15	13.5	13.5
Controller	-	CURTIS	CURTIS	CURTIS	CURTIS	CURTIS
Control mode	-	100%AC	100%AC	100%AC	100%AC	100%AC

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1.5t Mast Specification



M 2-Stage Standard Mast

Lifting height		Coading capacity		Mast lowered height			Masttilt Angle f/r	
		1.5t		Lowered overall height	Overall height		Free lifting height	
		Single tire	Double tire		With backrest	Without backrest	With backrest	Without backrest
mm		kg	kg	mm	mm	mm	mm	°
2000		1500	1500	1490	3025	2515	130	130
2500		1500	1500	1740	3525	3015	130	130
3000		1500	1500	1990	4025	3515	130	130
3300		1500	1500	2140	4325	3815	130	130
3500		1500	1500	2240	4525	4015	130	130
3700		1500	1500	2340	4725	4215	130	130
4000		1500	1500	2540	5025	4515	130	130
4500		1300	1300	2790	5525	5015	130	130
5000		950	1150	3040	6025	5515	130	130
5500		-	1000	3340	6525	6015	130	130
6000		-	650	3590	7025	6515	130	130

Z 2-Stage Full Free Mast

Lifting height		Coading capacity		Mast lowered height			Masttilt Angle f/r	
		1.5t		Lowered overall height	Overall height		Free lifting height	
		Single tire	Double tire		With backrest	Without backrest	With backrest	Without backrest
mm		kg	kg	mm	mm	mm	mm	°
2000		1500	1500	1490	3035	2525	495	1005
2500		1500	1500	1740	3535	3025	745	1255
3000		1500	1500	1990	4035	3525	995	1505
3300		1500	1500	2140	4335	3825	1145	1655
3500		1500	1500	2240	4535	4025	1245	1755
3700		1500	1500	2340	4735	4225	1345	1855
4000		1500	1500	2540	5035	4525	1545	2055

S 3-Stage Full Free Mast

Lifting height		Coading capacity		Mast lowered height			Masttilt Angle f/r	
		1.5t		Lowered overall height	Overall height		Free lifting height	
		Single tire	Double tire		With backrest	Without backrest	With backrest	Without backrest
mm		kg	kg	mm	mm	mm	mm	°
4000		1300	1300	1895	5025	4623	896	1303
4350		1200	1200	2010	5375	4973	1011	1418
4500		1200	1200	2060	5525	5123	1061	1468
4800		1100	1100	2160	5825	5423	1161	1568
5000		1000	1000	2230	6025	5623	1231	1623
5500		1000	1000	2450	6525	6153	1451	1852
6000		-	650	2610	7025	6623	1611	2022

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2t-2.5t Mast Specification



M 2-Stage Standard Mast

Lifting height		Coading capacity				Mast lowered height				Masttilt Angle f/r	
		2t	2t	2.5t	2.5t	Lowered overall height	Overall height		Free lifting height		°
		Single tire	Double tire	Single tire	Double tire		With backrest	Without backrest	With backrest	Without backrest	
mm	kg	kg		kg	kg	mm	mm	mm	mm		
2000	2000	2000		2500	2500	1495	3025	2615	106	106	6/10
2500	2000	2000		2500	2500	1745	3525	3115	106	106	6/10
3000	2000	2000		2500	2500	1995	4025	3615	106	106	6/10
3300	2000	2000		2500	2500	2145	4325	3915	106	106	6/10
3500	2000	2000		2500	2500	2245	4525	4115	106	106	6/10
3700	2000	2000		2500	2500	2345	4725	4315	106	106	6/10
4000	2000	2000		2500	2500	2545	5025	4615	106	106	6/10
4500	1800	1900		2200	2400	2795	5525	5515	106	106	6/6
5000	1300	1700		1450	2200	3045	6025	5615	106	106	6/6
5500	-	1500		-	1700	3345	6525	6115	106	106	3/6
6000	-	1300		-	1400	3595	7025	6615	106	106	3/6

Z 2-Stage Full Free Mast

Lifting height		Coading capacity				Mast lowered height				Masttilt Angle f/r	
		2t	2t	2.5t	2.5t	Lowered overall height	Overall height		Free lifting height		°
		Single tire	Double tire	Single tire	Double tire		With backrest	Without backrest	With backrest	Without backrest	
mm	kg	kg		kg	kg	mm	mm	mm	mm		
2000	2000	2000		2500	2500	1495	3035	2625	511	931	6/10
2500	2000	2000		2500	2500	1745	3535	3125	761	1181	6/10
3000	2000	2000		2500	2500	1995	4035	3625	1011	1431	6/10
3300	2000	2000		2500	2500	2145	4335	3925	1161	1581	6/10
3500	2000	2000		2500	2500	2245	4535	4125	1261	1681	6/10
3700	2000	2000		2500	2500	2345	4735	4325	1361	1781	6/10
4000	2000	2000		2500	2500	2545	5035	4625	1561	1981	6/10

S 3-Stage Full Free Mast

Lifting height		Coading capacity				Mast lowered height				Masttilt Angle f/r	
	2t	2t	2.5t	2.5t		Overall height		Free lifting height			
	Single tire	Double tire	Single tire	Double tire	Lowered overall height	With backrest	Without backrest	With backrest	Without backrest		
mm	kg	kg	kg	kg	mm	mm	mm	mm	mm	°	
3600	2000	2000	2500	2500	1765	4625	4215	781	1201	6/6	
4000	2000	2000	2500	2500	1900	5025	4615	916	1336	6/6	
4350	1870	2000	2370	2500	2015	5375	4965	1031	1451	6/6	
4500	1750	2000	2070	2500	2065	5525	5115	1081	1501	6/6	
4800	1650	1800	1750	2300	2165	5825	5415	1181	1601	6/6	
5000	1450	1650	1500	2150	2230	6025	5615	1246	1666	6/6	
5500	1100	1350	1200	1650	2395	6525	6115	1411	1831	3/6	
6000	800	1100	800	1300	2615	7025	6615	1631	2051	3/6	

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3t Mast Specification



M 2-Stage Standard Mast

Lifting height		Coading capacity		Mast lowered height			Masttilt Angle f/r	
		3t	3t	Lowered overall height	Overall height		Free lifting height	
		Single tire	Double tire		With backrest	Without backrest	With backrest	Without backrest
mm		kg	kg	mm	mm	mm	mm	°
2000		3000	3000	1565	3260	2680	145	145
2500		3000	3000	1815	3760	3180	145	145
3000		3000	3000	2065	4260	3680	145	145
3300		3000	3000	2215	4560	3980	145	145
3500		3000	3000	2315	4760	4180	145	145
3700		3000	3000	2415	4960	4380	145	145
4000		3000	3000	2615	5260	4680	145	145
4500		2600	3000	2865	5760	5180	145	145
5000		2100	2850	3115	6260	5680	145	145
5500		1550	2400	3415	6760	6180	145	145
6000		1100	2000	3665	7260	6680	145	145

S 3-Stage Full Free Mast

Lifting height		Coading capacity		Mast lowered height			Masttilt Angle f/r	
		3t	3t	Lowered overall height	Overall height		Free lifting height	
		Single tire	Double tire		With backrest	Without backrest	With backrest	Without backrest
mm		kg	kg	mm	mm	mm	mm	°
4500		2450	2800	2165	5765	5200	937	1450
4800		2250	2550	2265	6065	5500	1037	1550
5000		2000	2400	2330	6260	5700	1102	1615
5500		1550	2300	2495	6755	6200	1267	1780
6000		1100	2100	2715	7265	6700	1487	2000

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3.5t Mast Specification

M 2-Stage Standard Mast

Lifting height		Coading capacity		Mast lowered height			Masttilt Angle f/r	
		3.5t	3.5t	Lowered overall height	Overall height		Free lifting height	
		Single tire	Double tire		With backrest	Without backrest	With backrest	Without backrest
mm		kg	kg	mm	mm	mm	mm	°
2000		3500	3500	1655	3265	2685	160	160
2500		3500	3500	1905	3765	3185	160	160
3000		3500	3500	2155	4265	3685	160	160
3300		3500	3500	2305	4565	3985	160	160
3500		3500	3500	2405	4765	4185	160	160
3700		3500	3500	2505	4965	4385	160	160
4000		3200	3500	2705	5265	4685	160	160
4500		2850	3350	2955	5765	5185	160	160
5000		2200	2850	3205	6265	5685	160	160
5500		1850	2500	3505	6765	6185	160	160
6000		1400	2200	3755	7265	6685	160	160

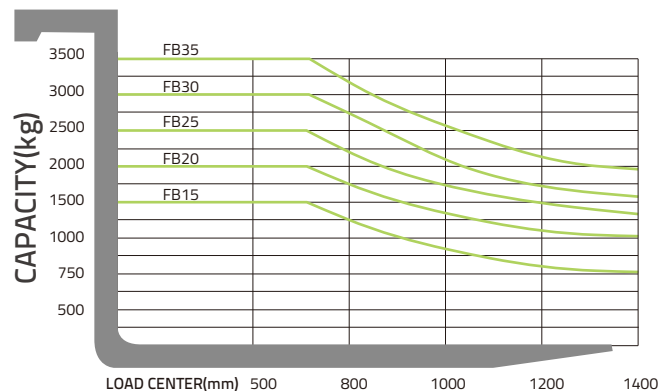
S 3-Stage Full Free Mast

Lifting height		Coading capacity		Mast lowered height			Masttilt Angle f/r	
		3.5t	3.5t	Lowered overall height	Overall height		Free lifting height	
		Single tire	Double tire		With backrest	Without backrest	With backrest	Without backrest
mm		kg	kg	mm	mm	mm	mm	°
4500		2850	3200	2165	5765	5200	937	1450
4800		2500	2900	2265	6065	5500	1037	1550
5000		2400	2850	2330	6260	5700	1102	1615
5500		1850	2500	2495	6755	6200	1267	1780
6000		1400	2200	2715	7265	6700	1487	2000

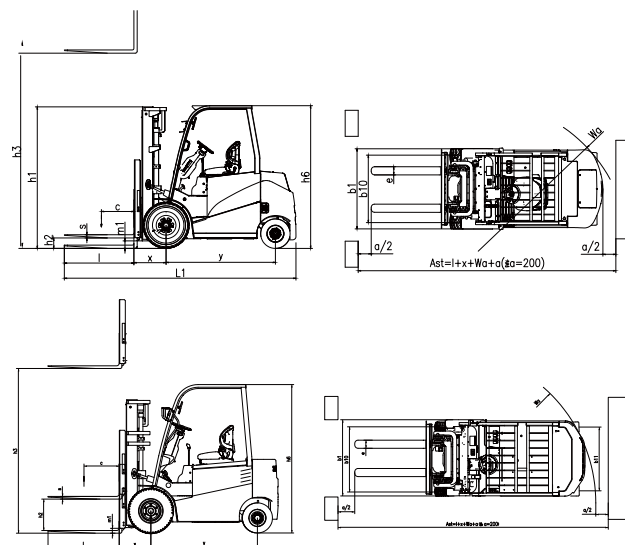
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Capacity Chart

The Load Table:1.5t-3.5t



Machine 2D Graph



Standard Configuration

Wide View Mast
Low-noise Gear Pump
Multi-function Color Screen Instrument
Rubber Floor Pad
Stepping Pedal
Two Valves
Mast with Falling Buffer Function
Three-speed Shift Mode
Reversing Buzzer
Emergency Switch
Traction Pin
Reversing Mirror
LED Light
Regenerative Braking System
Charger
Imported Multiway Valve
Imported Controller

Optional Configuration

Large Capacity Battery
Wide-angle Rearview Mirror
Suspension Seat
Rear Lamp
Warming Lamp
Non-marking Solid Tyre
Super Elastic Solid Tyre
Three Valves
Four Valves
Side Shifter
Blue Light
USB Port

Specification for Lead Acid Battery

Capacity(Ah/5h)	1.5T/48V(Z)	(2-2.5)T/48V(H)	(3-3.5)T/80V(S)
400(Chinese Brand)	●	-	-
440(Hoppecke)	○	-	-
450(Chinese Brand)	○	-	-
480(Chinese Brand)	○	-	-
495(Chinese Brand/Hoppecke)	○	-	-
540(Chinese Brand/Hoppecke)	-	-	●
600(Chinese Brand/Hoppecke)	-	●	○
700(Chinese Brand/Hoppecke)	-	○	-

Specification for Lithium Battery

Capacity(Ah/5h)	1.5T/76.8V(Z)	(2-2.5)T/48V(H)	(3-3.5)T/76.8V(S)
252	●	-	-
400	○	-	●
404	-	●	-
500	-	-	○
542	-	○	-

●Standard ○Option

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