

FE16H/18H/20H

THREE-WHEEL ELECTRIC FORKLIFT



ZOOMLION

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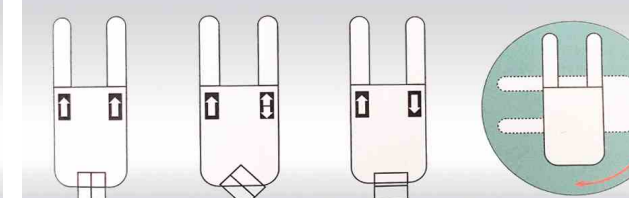
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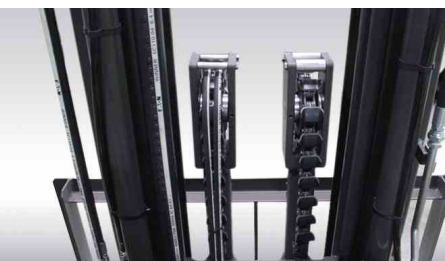
THREE-WHEEL ELECTRIC FORKLIFT



Full AC drive system, imported wet brake.



The front wheel is driven by two independent motor,with the increase of the steering angle, the output speed of the two motors is different realizing forklift In-situ rotation.



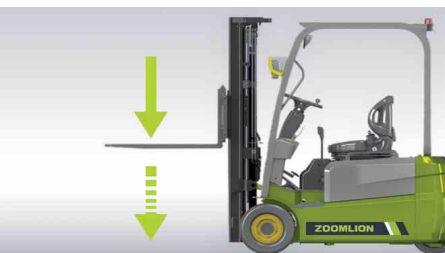
Mast triple full free equipped with double front cylinder, increasing greatly the driver operating field of vision.



Optional Fingertip control system set to rise and fall, forward, backward, lateral and emergency stop switch, a horn, lighting control and other control buttons in one.



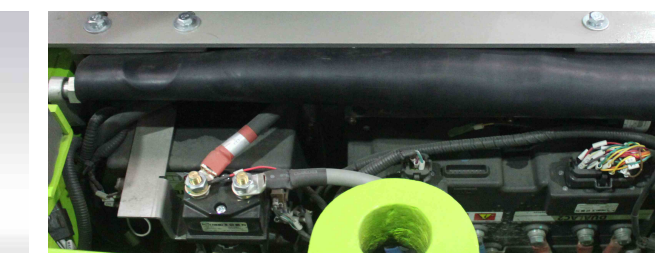
Advanced suspension seat with suspension damping function, which can ease the driver fatigue, and improve work efficiency.



Mast intelligent buffer system, when the fork falls to the ground, the descent speed will be automatically reduced to prevent the damage to the goods from impact of vehicle.



The battery cover adopts hydraulic tappet support, it can be fully opened, easy to maintain the battery.



Open the balance heavy cover, you can control the electrical maintenance.



With multi-function LCD display users can easily monitor the performance and working status of the vehicle through the information displayed on the display.

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Machine Parameters

Model	/	FE16H	FE18H	FE20H
Power	/	Battery	Battery	Battery
Driving Type	/	Seated	Seated	Seated
Capacity	Q(lb)	2381	2481	2778
Load Center	c (in)	23.62	23.62	23.62
Front overhang	x (in)	15.9	15.9	15.9
Wheelbase	y (in)	53.54	53.54	57.87
Curb weight(with battery)	lb	6989	7165	7408
Full axial load f/r	lb	9392/1080	10119/1014	11067/948
Empty axial load f/r	lb	3527/3505	3505/3704	3704/3704
Tyre type	/	Solid tyre	Solid tyre	Solid tyre
Tyre modle,front	/	18X7-8	18X7-8	200/50-10
Tyre modle,back	/	15X4.5-8	15X4.5-8	15X4.5-8
Tyre number ,f/r	/	2x/2	2x/2	2x/2
Wheel distance ,front	b10 (in)	36.22	36.22	37.8
Wheel distance ,rear	b11 (in)	7.09	7.09	7.09
Forks carriage, forward/backward	°	3/5	3/5	3/5
Mast Lowered height	h1 (in)	86.81	86.81	86.81
Free lifting height	h2 (in)	63.39	63.39	63.39
Lifting height	h3 (in)	188.98	188.98	188.98
Mast extended height	h4 (in)	229.29	229.29	229.29
Cab height	h6 (in)	80.71	80.71	80.71
Seat height	h7 (in)	35.04	35.04	35.04
Traction heght	h10 (in)	17.91	17.91	17.91
Overall lenght	L1 (in)	113.58	113.58	117.91
Fork length	L2 (in)	77.17	77.17	81.65
Overall width	b1/b2 (in)	42.91	42.91	46.06
Fork size	s/e/l (in)	1.38/3.94/0.79	1.38/3.94/0.79	1.57/4.80/42.13
Mast ground clearance	m1 (in)	3.54	3.54	3.54
Wheelbase center clearance	m2 (in)	3.54	3.54	3.54
Width of assle with 1200 pallet	Ast1 (in)	129.88	129.88	134.09
Width of assle with 800 pallet	Ast2 (in)	134.88	134.88	139.09
Turning radius	Wa (in)	62.01	62.01	66.14
Travel speed full-loaded/empty	mph	8.08/8.70	8.08/8.70	8.08/8.70
Lifting speed full-loaded/empty	in/s	12.6/15.75	12.6/15.75	11.81/15.35
Decling speed full-load/empty	in/s	15.94/15.75	15.94/15.75	15.94/15.75
Max gradeability 5 min full-loaded /empty	%	12/15	11/15	10.5/15
Braking mode	/	Hydraulic/Mechanical	Hydraulic/Mechanical	Hydraulic/Mechanical
Drive motor rated power,S2 60min	kw	4.8x2	4.8x2	4.8x2
Lifting motor rated power,S3 15%	kw	11	11	11
Battery voltage/capacity 5 hours discharge rate	V/Ah	48/500	48/500	48/600
Battery weight	lb	1940	1940	2105
Driving control mode	/	AC	AC	AC
Noise level at driver's ear acc.to 12053	dB(A)	75	75	75

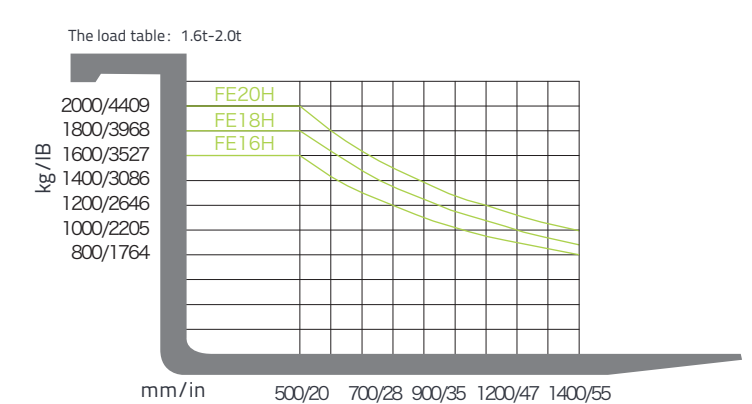
M–Duplex Standard Mast (Loading Center 600mm)

Lifting height		Loading capacity				Complete Mast Height		Free Lifting Height		Mast Tidl Angle f/r
-		1.6T	1.8T	2T		Fork Landing	Height with Backrest	-	-	
mm	kg	lb	kg	lb	kg	mm	in	mm	mm	°
2000	1440	3174	1620	3571	1800	1520	60	3024	119	6/6.5
2500	1440	3174	1620	3571	1800	1770	70	3524	139	6/6.5
2700	1440	3174	1620	3571	1800	1870	74	3724	147	6/6.5
3000	1440	3174	1620	3571	1800	1969	80	4024	158	6/6.5
3300	1440	3174	1620	3571	1800	1969	85	4324	170	6/6.5
3500	1440	3174	1620	3571	1800	1969	89	4524	178	6/6.5
4000	1350	2976	1440	3174	1620	2570	101	5024	198	3/5
4250	1260	2778	1350	2976	1530	2695	106	5274	208	3/5
4500	1215	2678	1260	2778	1440	2820	111	5524	217	3/5
4750	1080	2381	1125	2480	1260	2945	116	5774	227	3/5
5000	990	2182	1035	2282	1215	3070	121	6024	237	3/5
5500	945	2083	990	2182	1125	3370	133	6524	257	3/5
6000	765	1686	855	1885	1035	3620	143	7024	277	3/5

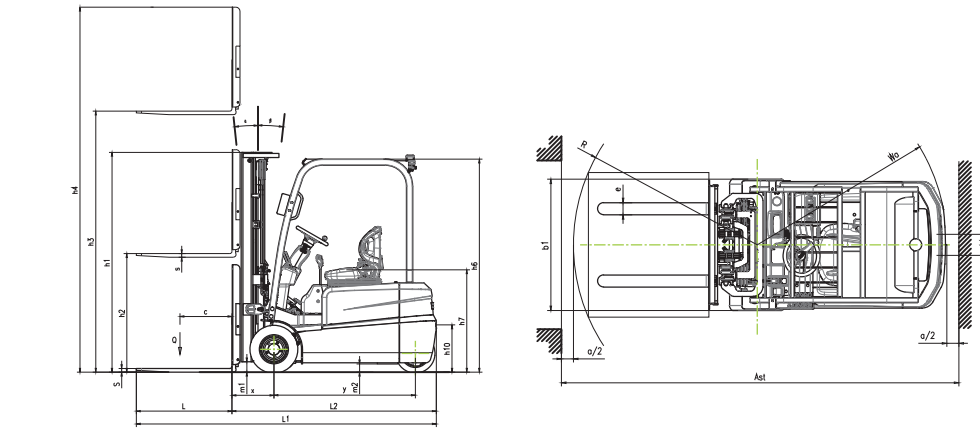
S–Triplex Full Free Mast (Loading Center 600mm)

Lifting height		Loading capacity				Complete Mast Height		Free Lifting Height		Mast Tidl Angle f/r
-		1.6T	1.8T	2T		Fork Landing	Height with Backrest	-	-	
mm	kg	lb	kg	lb	kg	mm	in	mm	mm	°
4000	1300	2867	1340	2955	1485	3274	76	5024	198	3/5
4350	1210	2668	1300	2867	1440	3175	81	5374	212	3/5
4500	1170	2580	1210	2668	1350	2977	83	5524	217	3/5
4800	1080	2381	1125	2482	1260	2778	87	5824	229	3/5
5000	1035	2283	1080	2382	1210	2668	89	6024	237	3/5
5500	945	2085	990	2184	1125	2482	98	6554	258	3/5
6000	765	1688	810	1787	1035	2283	105	7054	278	3/5

CAPACITY CHART



Machine 2D GRAPH



Standard Equipment

- Wideview mast
- Handle
- Suspension seat
- Backrest
- Reversing light
- Reversing buzzer
- Rearview mirror
- Light switch
- Overhead guard
- 2 piece multi valve
- Lamp bracket
- Rear lamp
- Durable pneumatic tire
- Timer
- Combined instrument pannel
- Electric Horn
- Turning signal
- Service brake
- Parking brake
- Lifting & tilting handle
- Speed limit valve
- Rubber pad
- Headlamp
- Adjustable steering wheel
- Hydraulic tilt lock
- Key switch
- Oil pressure alarm
- Toolbox
- Water temperature gauge
- Hydraulic oil return filter
- Hydraulic oil intake filter
- Hydraulic oil level gauge

Options

- Windshield
- Suspension seat with safety switch
- Tilt cylinder dust cover
- Mini fan
- Automatic Turning speed limit
- Tilt/Turn cylinder cover
- Low rolling resistance tyre
- Solid tyre
- Fire extinguisher
- Steel Grid guard
- Rotary work alarming light
- LED lamp
- Rear light
- File clip
- Optional painting
- Color tire (white/green)

Attachment

- Carpet boom
- Hook
- Lifting boom
- Hinged fork
- Paper roll clamp
- Barrel clamp
- Extended fork
- Extended Lift Bracket
- Load stabilizer
- Fork cover
- Revolving Flat Clamps
- Wide view duplex/triplex full free mast
- Side shifter