



FE3D16-18-20N1

3-Wheel Dual-Motor Electric Forklift



Ergonomic



Compliance with
Environment



Maintenance
Easy



Design
Durable



Capacity
1,600–2,000 kg



High
Performance



Best value
value for money

Pourquoi choisir entre le prix et la qualité quand on peut avoir les deux !

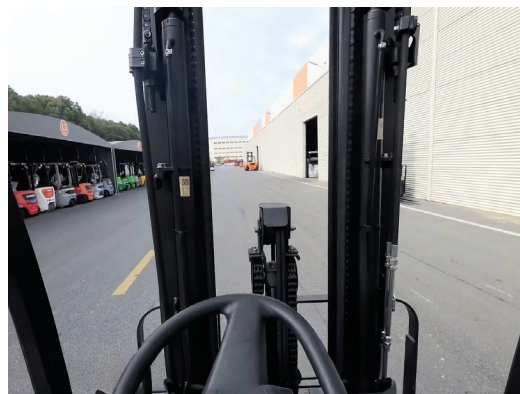
FE3D16-18-20N1 - PRODUCT SPECIFICATIONS

// Electric Forklift

The N1 Series three-wheel, dual-motor electric forklift is a brand-new line developed by Noblift, based on the FE3D-C Series. It stands out for its increased efficiency, excellent maneuverability, and optimized user comfort.

// Compact Design

Its compact design and tight turning radius allow for use in narrow aisles and cramped warehouses. Its hydraulic service brake ensures precise and safe braking.



// Enhanced Stability

The 80-mm diameter cylinders provide enhanced stability when the mast is tilted.

// Panoramic visibility

The mast ensures excellent visibility, a spacious work area, and excellent ergonomics.



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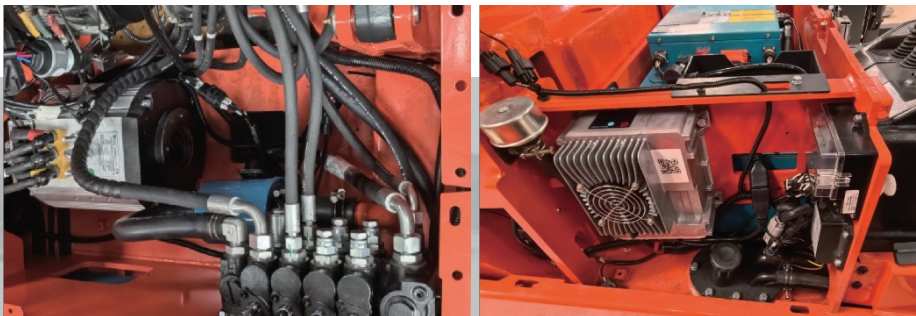
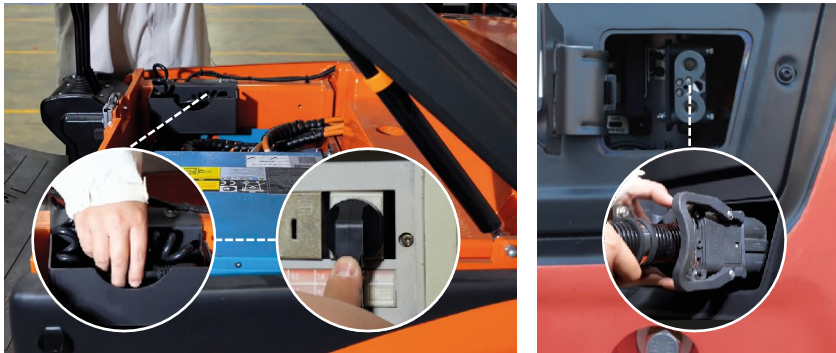
// Control Interface

An integrated multifunction display allows real-time data monitoring.



// Dual Rear Charging Ports as Standard

This series offers two charging options: a fast-charging port or a standard slow-charging port. The rear placement of the ports facilitates charging multiple machines side by side.



// Access to Components

Easy access to the traction motors, hydraulic motor, and hydraulic system simplifies maintenance.

The electronic controller housed in the counterweight allows for natural heat dissipation and better thermal protection.

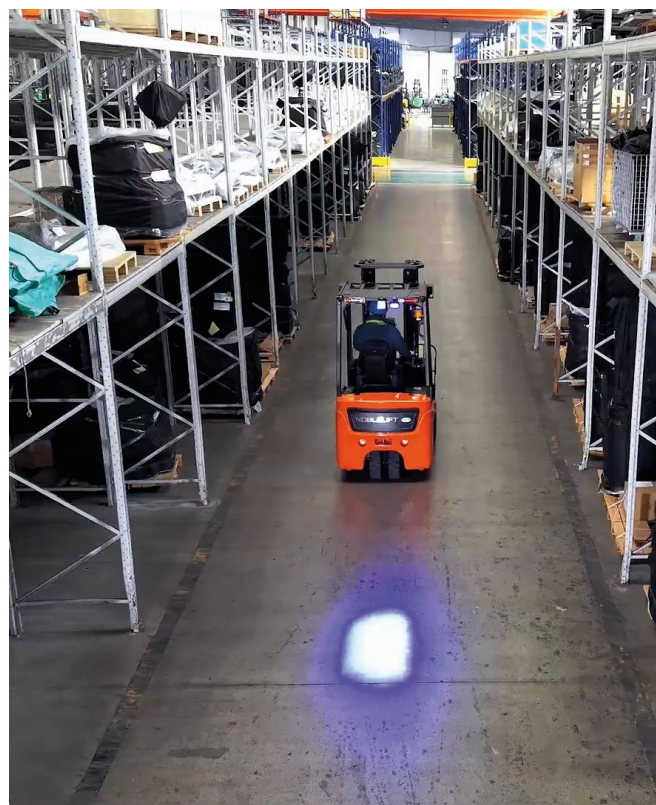
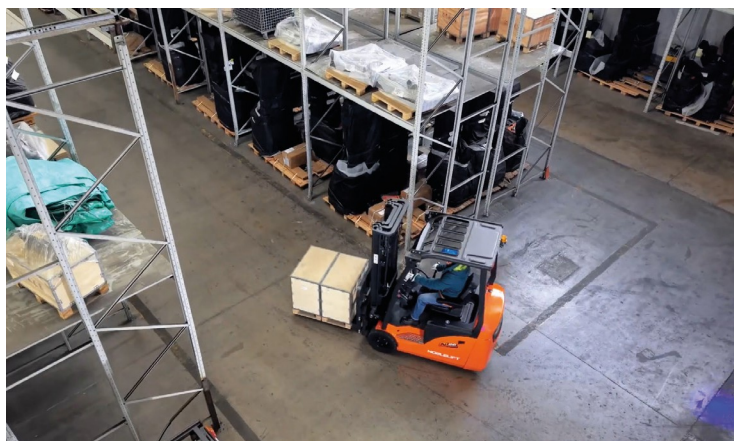
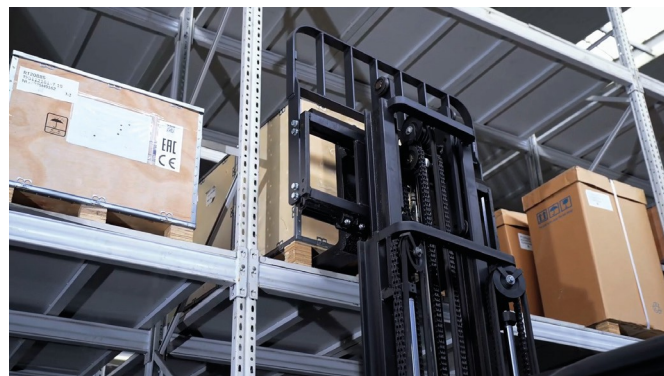
The entire forklift features a fully enclosed and waterproof body (IPX4), ensuring safety and reliability even in harsh working environments.



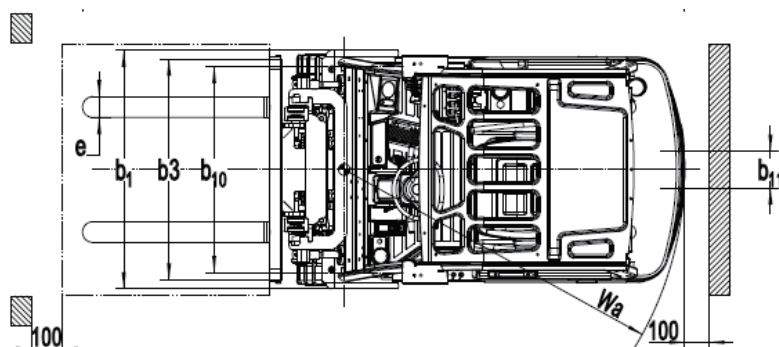
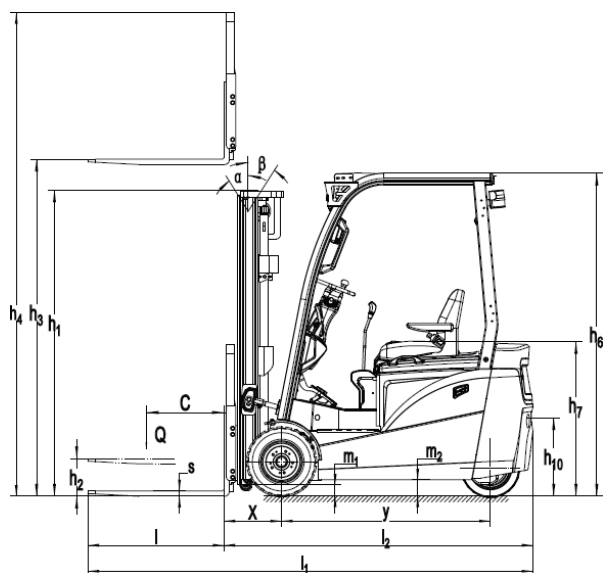
FE3D16-18-20N1 - PRODUCT OVERVIEW



FE3D16-18-20N1 - PRODUCT OVERVIEW



Designation	Lifting Height h3 (mm)	Free lift h2 (mm)	Height of the folded mast h1 (mm)	Height of extended mast h4 (mm)	Tilt angle forward / backward (°)	Capacity Chart (kg) C=500 mm without accessories		
						FE3D16N1	FE3D18N1	FE3D20N1
Duplex	2500	125	1,745	3,455	5/7	1,600	1,800	2000
	2,700	125	1,845	3,655	5/7	1,600	1,800	2000
	3,000	125	1995	3,955	5/7	1,600	1,800	2000
	3,300	125	2,145	4,255	5/7	1,600	1,800	2000
	3,500	125	2,245	4,455	5/7	1,600	1,800	2000
	3,700	125	2,345	4,655	5/7	1,600	1,800	2000
	4,000	125	2,545	4,955	3/5	1,500	1,800	2,000
	4,300	125	2,695	5,255	3/5	1,450	1,700	1,900
	4,500	125	2,795	5,455	3/5	1,400	1,600	1,800
Duplex with large open floor plan	2,500	790	1,745	3,455	5/7	1,600	1,800	2000
	2,700	890	1,845	3,655	5/7	1,600	1,800	2000
	3,000	1,040	1995	3,955	5/7	1,600	1,800	2000
	3,300	1,190	2,145	4,255	5/7	1,600	1,800	2000
	3,500	1,290	2,245	4,455	5/7	1,600	1,800	2000
	3,700	1,390	2,345	4,655	5/7	1,600	1,800	2000
	4,000	1,590	2,545	4,955	3/5	1,500	1,750	1,900
Triplex with Large Free Stroke	4,000	985	1940	4,955	3/5	1,500	1,750	1,900
	4,350	1,110	2,065	5,305	3/5	1,450	1,700	1,850
	4,500	1,160	2,115	5,455	3/5	1,400	1,600	1,800
	4,799	1,200	2,155	5,755	3/5	1,300	1,500	1,600
	5,000	1,360	2,315	5,955	3/5	1,200	1,450	1,500
	5,500	1,510	2,465	6,455	3/5	1,100	1,200	1,300
	6,000	1,710	2,665	6,955	3/5	800	900	1,000
	6,500	1,910	2,865	7,455	3/5	500	650	750



Identification					
1.1	Manufacturer's model designation		FE3D16N1	FE3D18N1	FE3D20N1
1.2	Powertrain: electric (battery or grid), diesel, gasoline, manual		electric	electric	electric
1.4	Type of operation		Seated	Seated	Seated
1.5	Load capacity/rated load	Q (kg)	1,600	1,800	2000
1.6	Center of gravity	c (mm)	500	500	500
1.8	Load distance between the center of the drive axle and the fork	x(mm)	372	377	377
1.9	Wheelbase	y (mm)	1360	1,360	1360
Weight					
2.1	Operating weight with battery	kg	3,080	3,200	3,400
2.2	Axle load, front/rear	kg	4,160/520	4,450/550	4,790/610
2.3	Axle load, unloaded front/rear	kg	1,470/1,610	1,530/1,670	1,640/1,760
Wheels, chassis					
3.1	Type: solid rubber, super-elastic, pneumatic, polyurethane		Pneumatic	Pneumatic	Pneumatic
3.2	Front tire size		18×7-8	18×7-8	200/50-10
3.3	Rear tire size		140/55-9	140/55-9	140/55-9
3.4	Number of front/rear wheels (x = driven wheels)		2×/2	2×/2	2×/2
3.5	Front track width	b10 (mm)	902	902	940
3.6	Rear track width	b11 (mm)	210	210	210
Basic Dimensions					
4.1	Mast/fork tilt angle (front/rear)	α/β (°)	5/7	5/7	5/7
4.2	Height of retracted mast	h1 (mm)	1995	1995	1995
4.3	Free stroke	h2 (mm)	120	125	125
4.4	Lifting height	h3 (mm)	3,000	3,000	3,000
4.5	Extended mast height	h4 (mm)	3955	3,955	3955
4.7	Height of the protective roof (cab)	h6 (mm)	2100	2100	2100
4.8	Seat height / standing height	h7 (mm)	1005	1005	1005
4.12	Hitch height	h10 (mm)	520	520	520
4.19	Overall length	l1 (mm)	2925	3080	3080
4.20	Length to the front of the forks	l2 (mm)	2005	2010	2010
4.21	Overall width	b1 (mm)	1084	1084	1145
4.22	Fork dimensions	L/W/H (mm)	35/100/920	40/100/1070	40/100/1070
4.24	Width of fork carriage	b3 (mm)	1040	1040	1040
4.31	Ground clearance, loaded, under the mast	m1 (mm)	115	115	115
4.32	Ground clearance, center of the carriage	m ² (mm)	105	105	105
4.33	Aisle width for 1000×1200 pallets placed crosswise	Ast (mm)	3318	3323	3323
4.34	Aisle width for 800×1200 pallets placed lengthwise	Ast (mm)	3443	3447	3447
4.35	Turning radius	Wa (mm)	1620	1620	1620
Performance data					
5.1	Travel speed with load/unloaded	km/h	15/15	15/15	15/15
5.2	Lifting speed with load/unloaded	m/s	0.40/0.50	0.40/0.50	0.40/0.50
5.3	Lowering speed, with load/unloaded	m/s	0.50/0.50	0.50/0.50	0.50/0.50
5.6	Maximum tensile force, loaded/unloaded	kN	11,500/10,500	12,500/11,500	13,500/12,500
5.7	Maximum Grade, Loaded/Unloaded S2 Mechanical Drive	%	15/20	15/20	15/20
5.10	Service brake		Hydraulic	Hydraulic	Hydraulic
Engine					
6.1	Traction Motor Power S2 60 min	kW	5.5*2	5.5 × 2	5.5*2
6.2	Lifting motor power at S3 15%	kW	12	12	12
6.3	Standard battery		Lithium	Lithium	Lithium
6.4	Battery voltage, nominal capacity K5	V/Ah	76.8/150	76.8/150	76.8/150
6.5	Battery weight	kg	160/230/300	160/230/300	160/230/300
6.6	Battery dimensions 1/w/h	mm	819×400×605	819×400×605	819×400×605
Additional Information					
7.1	Drive Control Type		AC	AC	AC
7.2	Hydraulic pressure for equipment	MPa	17.5	17.5	17.5
7.3	Oil volume for attachments	l/min	36	36	36
7.4	Sound pressure level EN 12 053	dB(A)	73	73	73



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