

NOBLELIFT

**N SERIES
FORKLIFT**

3520-7700 LBS

NEW





Graceful arc design



▶ Excellent ergonomic design



▶ Energy-saving



▶ Excellent visibility thanks to optimized



▶ Rear hand holder with horn function (Optional)



▶ Hydraulic operating handle on the right side



▶ Foot-type parking brake system



▶ Big LED display



Green campaign

To protect the environment



Easy Maintenance



Robust Design



Powerful Battery



Ergonomic Design



High Performance



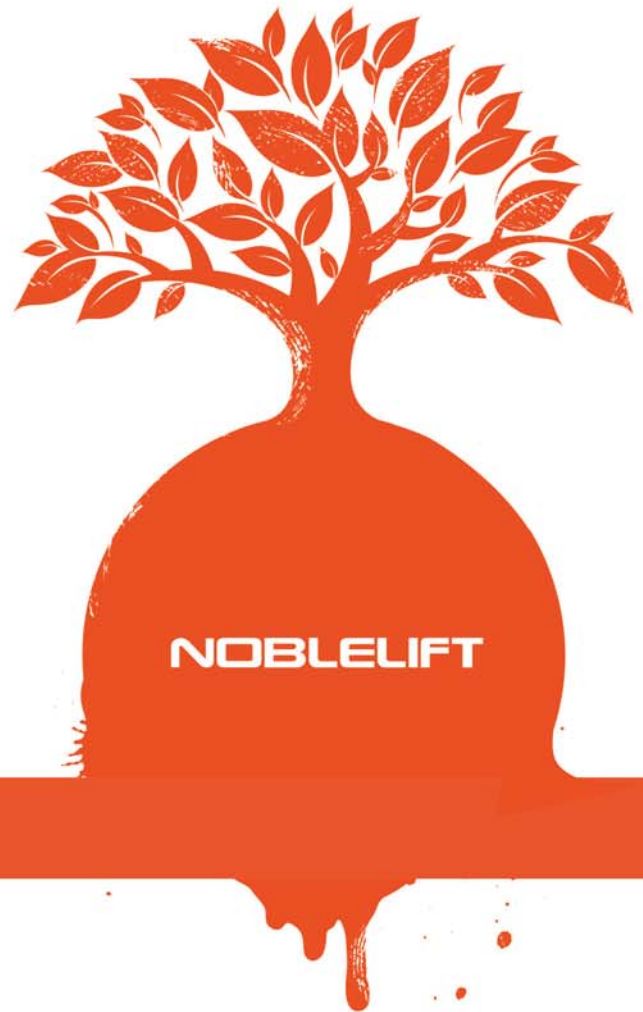
Low Noise



Capacity
3520-7700lbs

■ Easy maintenance and high stability

- A+B.** The fully-openable top seat cover and the side-openable construction makes battery-maintenance easier and faster for regular maintenance. For multi-shift operations, the battery can be easily replaced from the side by a manual pallet truck or electric pallet truck easily and safely, no crane, forklift or other special tools required for battery replacement. (Optional)
- C.** The fully sealed cover for the controller at the rear counterweight part ensures high protection of the controller and other electric components against the dust and water, and the openable cover is easy and fast for maintenance.
- D.** Equipped with big LED display with error code and false operation warning can easily monitor the running condition of the forklift.
- E.** Drive motor is arranged paralleled as international leaders do, the battery is located at the bottom of the chassis of the forklift which gives great stability with low gravity center.



FE4P35N-FE4P77N Battery Balance Weight Type Forklift

Identification

			NOBLELIFT						
1.1	Manufacture(abbreviation)								
1.2	Manufacturer's type designation		FE4P35N	FE4P38N	FE4P44N	FE4P55N	FE4P66N	FE4P77N	
1.3	Drive:electric(battery or mains),diesel,petrol gas,manual		electric	electric	electric	electric	electric	electric	
1.4	Type of operation(hand,pedestrian,standing,seated,order-picker)		seated	seated	seated	seated	seated	seated	
1.5	Load capacity/rated load	Q	Kg	3520	3820	4400	5500	6600	7700
1.6	Load centre distance	C	mm	19,7	19,7	19,7	19,7	19,7	19,7
1.8	Load distance,centre of drive axle to fork	X	mm	15	15	18,2	18,4	18,4	18,4
1.9	wheelbase	Y	mm	59,1	59,1	59,1	59,1	65	65

Weights

2.1	Service weight incl. battery(see line 6.5)		Kg	6864	7392	9020	9372	10758	11748
2.2	Axle loading ,laden front/rear		Kg	888,8/173,3	994,5/155,3	1192,5/180	1354,5/168,8	1590,8/184,5	1755/234
2.3	Axle loading,unladen front/rear		Kg	334,1/375	350/413,6	463,5/483,8	436,5/552	502,3/609,1	502,3/711,4

Wheels, Chassis

3.1	Type:solid rubber,superelastic,pneumatic,polyurethane			pneumatic	pneumatic	pneumatic	pneumatic	pneumatic	superelastic
3.2	Tyres size,front			6.50-10-10PR	6.50-10-10PR	23x9-10-18PR	23x9-10-18PR	23x9-10-18PR	23x9-10-18PR
3.3	Tyres size,rear			5.00-8-10PR	5.00-8-10PR	18x7-8-14PR	18x7-8-14PR	18x7-8-14PR	18x7-8-14PR
3.5	Wheels,number front/rear(*=driven wheels)			2x/2	2x/2	2x/2	2x/2	2x/2	2x/2
3.6	Track width,front	b10	mm	38,2	38,2	40,9	40,9	40,9	41,7
3.7	Track width,rear	b11	mm	36,2	36,2	37,4	37,4	37,8	37,8

Basic Dimensions

4.1	Mast/fork carriage tilt forward/backward	α/β	(°)	6/10	6/10	6/10	6/10	6/10	6/10
4.2	lowered mast height	h1	mm	79,1	79,1	80,5	80,5	80,5	80,5
4.3	Free lift	h2	mm	4,9	4,9	4,7	4,7	4,9	4,9
4.4	Lift height	h3	mm	118,1	118,1	118,1	118,1	118,1	118,1
4.5	Extended mast height	h4	mm	153,0	153,0	156,6	156,6	156,6	156,6
4.7	Overhead load guardheight	h6	mm	86,2	86,2	86,2	86,2	86,2	86,2
4.8	Seat height/standing height	h7	mm	43,7	43,7	41,7	41,7	43,7	43,7
4.12	Coupling height	h10	mm	11,4	11,4	11,6	11,6	11,6	11,6
4.19	Overall length	l1	mm	117,4	117,4	133,8	133,8	141,9	143,5
4.20	Length to face of forks	l2	mm	81,1	81,1	91,5	91,7	99,8	101,4
4.21	Overall width	b1	mm	45,3	45,3	49,6	49,6	49,6	50,8
4.22	Fork dimensions	s/e/l	mm	1,4/3,9/36,2	1,4/3,9/36,2	1,6/4,7/42,1	1,6/4,7/42,1	1,8/4,9/42,1	2/4,9/42,1
4.24	Fork carriage width	b3	mm	36,2	36,2	40,9	40,9	44,9	44,9
4.31	Ground clearance ,laden,under mast	m1	mm	3,9	3,9	4,3	4,3	4,3	4,3
4.32	Ground clearance,centre of wheelbase	m2	mm	4,3	4,3	4,7	4,7	4,7	4,7
4.33	Aisle width for pallets 1000x1200 crossways	Ast	mm	124,4	124,4	141,1	141,3	156,9	159,6
4.34	Aisle width for pallets 800x1200 lengthways	Ast	mm	132,3	132,3	146,2	146,2	162,0	164,8
4.35	Turning radius	Wa	mm	71,7	71,7	80,7	80,7	87,8	90,6

Performance Data

5.1	Travel speed,laden/unladen		km/h	13/15	13/15	13/14	13/14	13/14	12/13
5.2	Lift speed,laden/unladen		m/s	6,3/8,3	6,3/8,3	6,1/7,9	6,1/7,7	6,1/7,9	5,9/7,7
5.3	lowering speed,laden/unladen		m/s	< 11, 8	< 11, 8	< 11, 8	< 11, 8	< 11, 8	< 11, 8
5.5	Drawbar pull,laden/unladen S2 60 min		N	2925	2925	742,5/517,5	742,5/517,5	787,5/562,5	855/630
5.7	Max.Gradient performance,laden/unladen S2 5 min		%	13/15	13/15	13/14	13/14	13/15	13/15
5.10	Service brake			Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic

E-Motor

6.1	Drive motor rating S2 60 min		kW	9,1	9,1	14,7	14,7	20,1	20,1
6.2	Lift motor rating at S3 15%		kW	11,5	11,5	11,5	11,5	13,4	13,4
6.3	Battery standard			DIN	DIN	BS	BS	DIN	DIN
6.4	Battery voltage,nominal capacity K5		V/Ah	48/400 (48/450/500)	48/450 (48/500)	48/600 48/630 48/700 48/770	48/600 48/630 48/700 48/770	80/500 80/560	80/500 80/560
6.5	Battery weight		kg	1925	1925	2083,4	2083,4	2970	2970
	Battery dimensions l/w/h		mm	38,6/15,7/29,9	38,6/15,7/29,9	38,6/21,2/29,9	38,6/21,2/29,9	40/27,1/30	40/27,1/30

Other Details

8.1	Type of drive control			AC	AC	AC	AC	AC	AC
8.2	Operating pressure for attachments		Mpa	2537,5	2537,5	2537,5	2537,5	2537,5	2537,5
8.3	Oil volume for attachments		l/min	570,6	570,6	570,6	570,6	570,6	570,6
8.4	Sound level at driver's ear according to EN 12 053		dB(A)	72	72	72	73	74	75

Series FE4P35N-77N

Mast Table							
Designation	Lift height h3(in)	Free Lift height h2(in)	Closed mast height h1(in)	Extended mast height h4(in)	Extended mast height $\alpha/\beta(^{\circ})$	Capacity table(lbs) C=19.7in without sideshift single pneumatic tyres	
						FE4P35N	FE4P38N
Two-stage ZT	98.4	4.9	69.3	133.3	6/10	3520	3850
	106.3	4.9	73.2	141.2	6/10	3520	3850
	118.1	4.9	79.1	153.0	6/10	3520	3850
	129.9	4.9	85.0	164.8	6/10	3520	3850
	137.8	4.9	89.0	172.7	6/10	3520	3850
	145.7	4.9	92.9	180.6	6/10	3520	3850
	157.5	4.9	100.8	192.4	6/6	3300	3520
	169.3	4.9	106.7	204.2	6/6	3080	3300
	177.2	4.9	110.6	212.1	6/6	2970	3190
	196.9	4.9	121.5	231.8	6/6	2200	2420
Two-stage ZZ	98.4	31.8	69.3	136.7	6/10	3520	3850
	106.3	35.7	73.2	144.6	6/10	3520	3850
	118.1	41.6	79.1	156.4	6/10	3520	3850
	129.9	47.5	85.0	168.2	6/10	3520	3850
	137.8	51.5	89.0	176.1	6/10	3520	3850
	145.7	55.4	92.9	184.0	6/10	3520	3850
	157.5	63.3	100.8	195.8	6/10	3300	3520
	169.3	69.2	106.7	207.6	6/6	3080	3190
	177.2	73.1	110.6	215.5	6/6	2970	3190
	196.9	83.9	121.5	235.2	6/6	2200	2420
Three-stage DZ	157.5	37.6	76.6	196.1	6/6	3300	3520
	169.3	42.5	81.5	209.8	6/6	3080	3300
	177.2	44.4	83.5	215.7	6/6	2970	3190
	189.0	48.4	87.4	227.6	6/6	2200	2420
	196.9	52.3	91.3	235.4	6/6	2200	2420
	216.5	58.2	97.2	255.2	3/6	1760	1980
	236.2	66.1	105.1	274.8	3/6	1320	1540

Free Lift height (No Back-rest) +12.8in

Mast Table							
Designation	Lift height h3(in)	Free Lift height h2(in)	Closed mast height h1(in)	Extended mast height h4(in)	Extended mast height $\alpha/\beta(^{\circ})$	Capacity table(lbs) C=19.7in without sideshift single pneumatic tyres	
						FE4P44N	FE4P55N
Two-stage ZT	78.7	4.7	60.8	117.2	6/10	4400	5500
	98.4	4.7	70.7	127.0	6/10	4400	5500
	118.1	4.7	80.5	156.6	6/10	4400	5500
	129.9	4.7	86.4	168.4	6/10	4400	5500
	137.8	4.7	90.4	176.3	6/10	4400	5500
	141.7	4.7	92.3	180.2	6/10	4400	5500
	145.7	4.7	94.3	184.1	6/6	4400	5500
	157.5	4.7	102.2	199.9	6/6	4400	5500
	169.3	4.7	108.1	211.7	6/6	4070	4620
	177.2	4.7	112.0	219.6	6/6	3740	4400
	196.9	4.7	123.8	239.3	6/6	3080	3520
	216.5	4.7	133.7	262.9	3/6	2310	2640
	236.2	4.7	143.5	282.6	3/6	1540	1760
	Two-stage ZZ	78.7	22.0	60.8	117.0	6/10	4400
98.4		31.8	70.7	136.7	6/10	4400	5500
118.1		41.7	80.5	156.3	6/10	4400	5500
129.9		47.6	86.4	168.1	6/10	4400	5500
137.8		51.5	90.4	176.0	6/10	4400	5500
141.7		53.5	92.3	180.0	6/10	4400	5500
145.7		55.4	94.3	183.9	6/6	4400	5500
157.5		63.3	102.2	195.7	6/6	4400	5500
169.3		69.2	108.1	207.5	6/6	4070	4620
177.2		73.1	112.0	215.4	6/6	3740	4400
196.9		85.0	123.8	235.1	6/6	3080	3520
216.5		94.8	133.7	254.8	3/6	2310	2640
236.2		104.6	143.5	274.4	3/6	1540	1760
Three-stage DZ		157.5	38.7	77.6	196.1	6/6	4180
	169.3	43.6	82.5	209.9	6/6	3740	4400
	177.2	45.6	84.4	215.7	6/6	3520	4180
	189.0	49.5	88.4	227.5	6/6	3080	3520
	196.9	55.2	94.0	235.4	6/6	2860	3300
	216.5	64.4	103.2	255.1	3/6	2200	2530
	236.2	73.5	112.4	274.8	3/6	1540	1760

Free Lift height (No Back-rest) +16.7in

N Series FE4P35N-77N

Mast Table							
Designation	Lift height h3(in)	Free Lift height h2(in)	Closed mast height h1(in)	Extended mast height h4(in)	Extended mast height $\alpha/\beta(^{\circ})$	Capacity table(lbs) C=19.7in without sideshift single pneumatic tyres	
						FE4P66N	FE4P77N
Two-stage ZT	78.7	4.9	60.8	117.2	6/10	6600	7700
	98.4	4.9	70.7	127.0	6/10	6600	7700
	118.1	4.9	80.5	156.6	6/10	6600	7700
	129.9	4.9	86.4	168.4	6/10	6600	7700
	137.8	4.9	90.4	176.3	6/10	6600	7700
	141.7	4.9	92.3	180.2	6/10	6600	7700
	145.7	4.9	94.3	184.1	6/6	6490	7150
	157.5	4.9	102.2	199.9	6/6	6270	6600
	169.3	4.9	108.1	211.7	6/6	5940	6160
	177.2	4.9	112.0	219.6	6/6	5500	5720
Two-stage ZZ	196.9	4.9	123.8	239.3	6/6	4620	4840
	78.7	22.2	60.8	117.0	6/10	6600	7700
	98.4	32.0	70.7	136.7	6/10	6600	7700
	118.1	41.9	80.5	156.3	6/10	6600	7700
	129.9	47.8	86.4	168.1	6/10	6600	7700
	137.8	51.7	90.4	176.0	6/10	6600	7700
	141.7	53.7	92.3	180.0	6/10	6600	7700
	145.7	55.6	94.3	183.9	6/6	6490	7150
	157.5	63.5	102.2	195.7	6/6	6270	6600
	169.3	69.4	108.1	207.5	6/6	5940	6160
Three-stage DZ	177.2	73.3	112.0	215.4	6/6	5500	5720
	196.9	85.2	123.8	235.1	6/6	4620	4840
	157.5	38.9	77.6	196.1	6/6	6050	7040
	169.3	43.8	82.5	209.9	6/6	5720	6600
	177.2	45.8	84.4	215.7	6/6	5280	6600
	189.0	49.7	88.4	227.5	6/6	4840	5500
	196.9	55.4	94.0	235.4	6/6	4400	5280
	216.5	64.6	103.2	255.1	3/6	3300	3850
	236.2	73.7	112.4	274.8	3/6	1760	2640

- ADVANTAGE:**
- Compact and Elegant Design
 - Excellent Visibility
 - Ergonomics Details
 - High Stability
 - Easy Maintenance
 - Reliability and Safety
 - Comfortable Operation
 - Environmental-friendly
 - High Efficiency and Low-Energy Consumption

High Efficiency and Energy-saving

Different speed mode to choose for different applications under different environments
Standard DC converter is balanced using batteries, extending battery life.

High efficiency AC power system, complete protection, comes with speed sensor, temperature sensor, greatly improves reliability and life expectancy.

Special tire patterns for electric forklifts, energy-saving more than 10% for driving (Optional)

Reliability and Safety

Motor controllers, contactors, power switch, emergency switch, display, accelerators and other key electrical components adopt international famous brand.

Advanced AC high frequency integrated MOSFET controller and CAN-bus technology.

High frequency MOSFET integrated controller ensures smooth and accurate driving and lifting, excellent acceleration, motor and controller performance matching delivers safety and reliability such as regenerative braking and reverse connection as well ramp anti-slipping.

Operation sequence protection and electronic self-protection function,

Emergency power off switch as standard configuration, meets the European safety norms.

Low noise and environmental-friendly

Cushioning devices added to motor, batteries and other locations, as well as the optimization of vehicle body frame structure, reducing the vibration of the truck;
Low-noise pump together with load sensing steering gear, makes the truck noise extremely low Descending speed will automatically slow down before the fork lowered to the minimum height, so it substantially reduces the impact noise.

Rear axle using the flexible shock absorption system, effective filtrating the ground clutters, makes the driver much comfortable.

FE4P35N-77N

**N Series
Forklift**

FE4P35N



NOBLELIFT



Official website



Our Wechat

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