

www.nobleliftna.com

NOBLELIFT
NORTH AMERICA

LITHIUM

FE4P130N-175N

13,000 - 17,500 lbs. Capacity
Heavy Duty Lithium Forklift



Why choose between price and quality **WHEN YOU CAN HAVE BOTH!**

HIGHLIGHTS

- ▶ InMotion / CAN-bus Intelligent Computer Control system
- ▶ Infinitely variable hydraulic control speeds
- ▶ 4-Way proportional hydraulic control valve
- ▶ 96V fully electric AC system
- ▶ Lithium battery: 96V/412Ah with REMA connector
- ▶ Charger: 96V/200A
- ▶ Fast charging 2-2.5 hours
- ▶ Large capacity battery provides multiple shift operation.
- ▶ On-board self-diagnostics
- ▶ Large LED display: lifting weight, lifting height, speed, power, steering, fault code, alarm and more.
- ▶ Side shift fork positioning
- ▶ Back up camera with AI pedestrian detection
- ▶ Speed reduction in turns
- ▶ IPx4 water-proof design



FE4P130N-175N

13,000 - 17,500 lbs. Capacity

Heavy Duty Lithium Forklift

The FE4P130N-175N Series Heavy Duty Lithium Forklifts are designed for heavy lifting and work well for indoor and outdoor applications. They are structurally engineered to be tough like an internal combustion forklift, but with all the advantages of lithium. AC drive technology is used to achieve high performance with low operating and maintenance costs. Ideal for your most demanding applications: metallurgy, ports, container yards, automotive, mold manufacturing, paper roll handling, lumber yards, brick and stone distribution centers.

POWERFUL AND HIGHLY PRODUCTIVE FORKLIFT



SUPERIOR DESIGN AND PERFORMANCE

Automatic decelerating while turning, improves safety, stability and operator comfort, while preventing product damage.



Travel Speed Up To 9.6 mph



Gradeability / Full Load



Fast Lifting Speed Up To 76.7 ftn

SUPERIOR DESIGN AND PERFORMANCE



Large LED screen conveniently displays lifting weight, lifting height, speed, power, steering, fault code, alarm and more.



Side shift fork positioner allows for precise movement of the fork carriage without having to move the whole forklift.



Large capacity battery for multiple shift operation.



Easily check condition and troubleshoot with InMotion controller and CAN-bus technology.



Intelligent buffering effectively protects the ground and cargo from damage while forks descend to the ground.



The powerful FE4P130N-175N has a draw bar tow capacity of 8,100 lbs.



Automotive-style levers for headlights and turn signals operate like a car. Easy and intuitive operating controls shorten learning time.



USB connector for charging and powering of additional devices during operations.

SAFE. COMFORTABLE. EASY MAINTENANCE.



A secondary step and enlarged grab handle allow the operator to safely and easily get on and off the forklift.



Emergency power button cuts off the power in emergency situations. Ratchet parking brake enables the truck to safely park on a slope,



Tilt cylinder boots protect tilt cylinder and oil seals from the environment, prolonging cylinder life.

A LED signal lights improve safety, last a long time and are very durable.

B Blue LED light projects a blue beam onto the floor to warn pedestrians.

C Warning light flashes while operating the vehicle to alert others in the area.

D LED rear work light provides excellent visibility while backing up.

E LED headlights brighten dimly lit areas for optimal visibility.

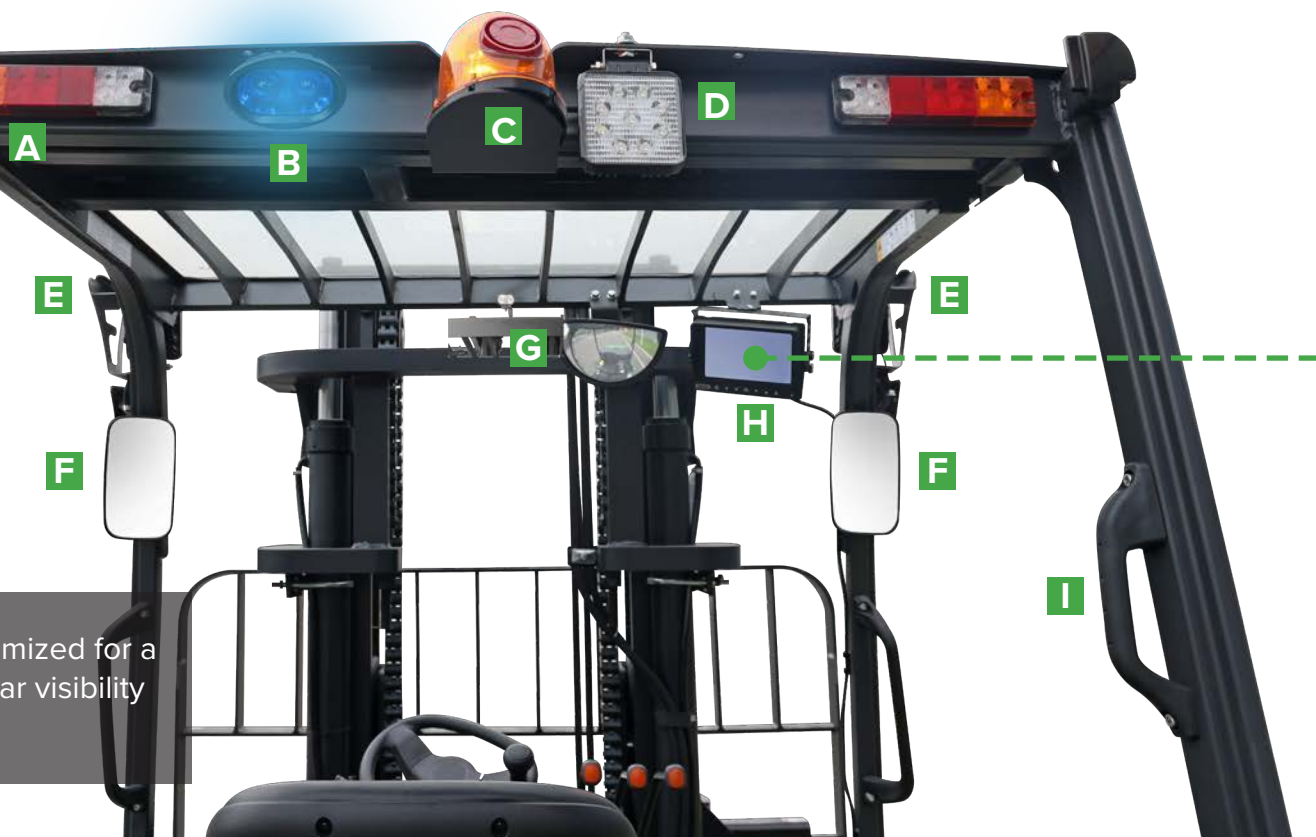
F Dual wide angle mirrors help ensure safety.

G Panoramic rear-view mirror gives the operator a wider rear visibility.

H Back-up camera monitor and AI pedestrian detection.

I Rear grab bar with horn provides easy horn operation while traveling in reverse

Mast layout is optimized for a wide view and clear visibility while operating.



SAFE. COMFORTABLE. EASY MAINTENANCE.



The large, ergonomic cab and user-friendly design ensures operator comfort throughout the entire work shift.

Deluxe suspension, fully adjustable seat reduces vibration to the driver to effectively reduce driver fatigue for all sizes of operators.

Operator Presence System (OPS) — When operator is not in seat, the hydraulic lift and tilt controls automatically lock out and traveling is disabled.



H The back-up monitor, coupled with the AI pedestrian detection system, sounds an alarm when it detects a pedestrian. If a pedestrian gets too close, it will stop the forklift.



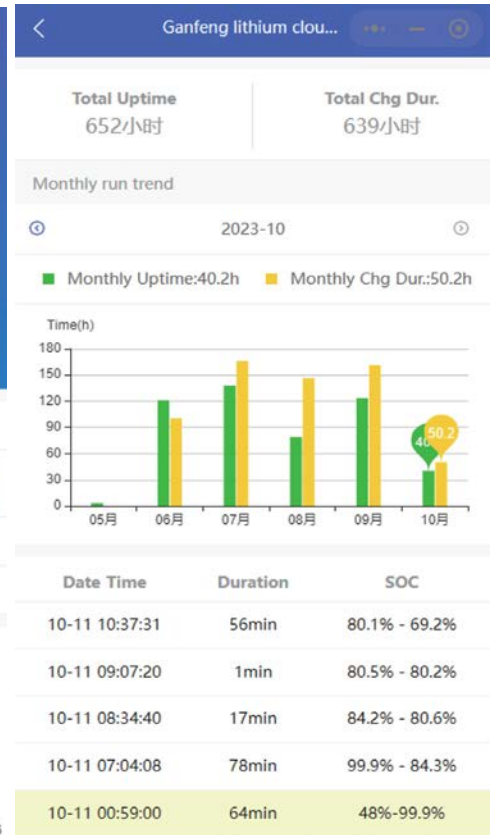
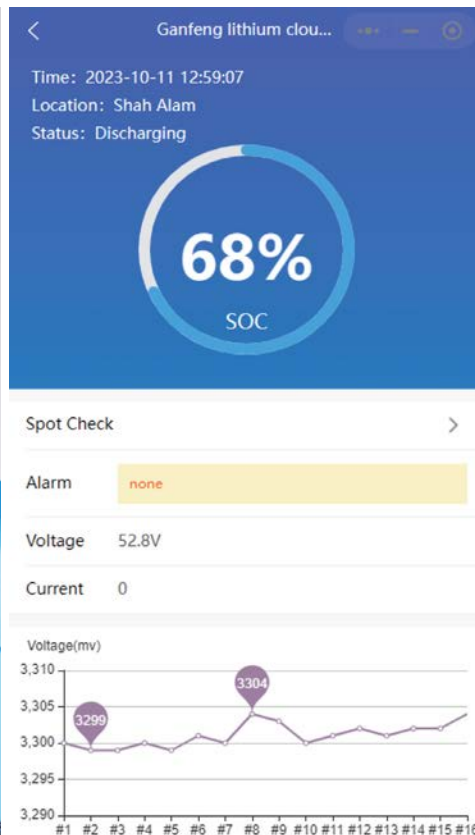
Oil pump motor and controller are positioned on each side of the forklift, and can be accessed with tool-free removable side panels.

A split hydraulic oil tank provides hassle-free maintenance and cleaning, while a rotary hydraulic oil return filter allows for easy replacement.

LITHIUM SMART CLOUD PLATFORM

Wireless 4G battery monitoring enables remote battery programming and troubleshooting.

Smart Cloud platform constantly monitors the battery's operational status throughout its usage to ensure the safety of personnel and equipment.



HIGH EFFICIENCY AND SAFE LITHIUM-IRON POWER

NOBLELIFT uses Lithium-Iron Phosphate batteries, the longest lasting and safest lithium-ion battery available. Our lithium-iron batteries are equipped with a Battery Management System (BMS), thermal management system, and an automotive-grade DC high-voltage control system. BMS manages charging and discharging data to ensure safety throughout its life cycle.

FE4P130N-175N forklifts have a 10 year or 20,000 hours warranty on the lithium-Iron battery.



ADVANTAGES OF LITHIUM-IRON POWER

96 VOLT



REMA/
Anderson
plug-in

Fast-charging maintenance-free Lithium battery is fully charged in 2-2.5 hours. Battery can be opportunity charged during user breaks and during shift changes which allows the truck to run continuously through multi-shift operations. No battery changes are necessary.

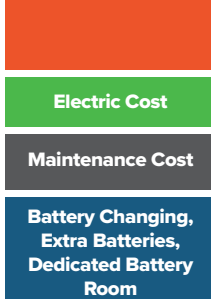
TOTAL COST OF OWNERSHIP

UP TO
47%
SAVINGS OVER 5 YEARS

Opportunity Charging
Increases Productivity



Lead-Acid Battery
Acquisition Cost



Internal Combustion
Acquisition Cost



Maintenance Cost

LITHIUM BATTERY ADVANTAGES

Lead-Acid Battery

Lower fleet availability -
Work is interrupted because
battery needs to be fully
charged before next use

Periodic battery replacement

Outsourced or in-house
maintenance personnel
required

8-10 Hours - 2 or more
batteries per lift truck

Build an expensive battery
room with ventilation

Releases hydrogen while
charging - Can result in
explosion - Acid burns can
happen during maintenance

Power loss

Lithium Battery

100% Fleet availability -
Opportunity charging allows
battery to be charged in
between use

Batteries last 3 times longer
and do not need to be
replaced

No maintenance cost

2-2.5 Hours - 1 Battery per
lift truck

No battery room needed

No dangerous substances

No power loss - Reduces
energy consumption by 35%

**Productivity -
Memory Effect**



**Service
Life**



**Ongoing
Maintenance**



**Charge
Duration**



**Battery
Room**



**Dangerous
Substances**

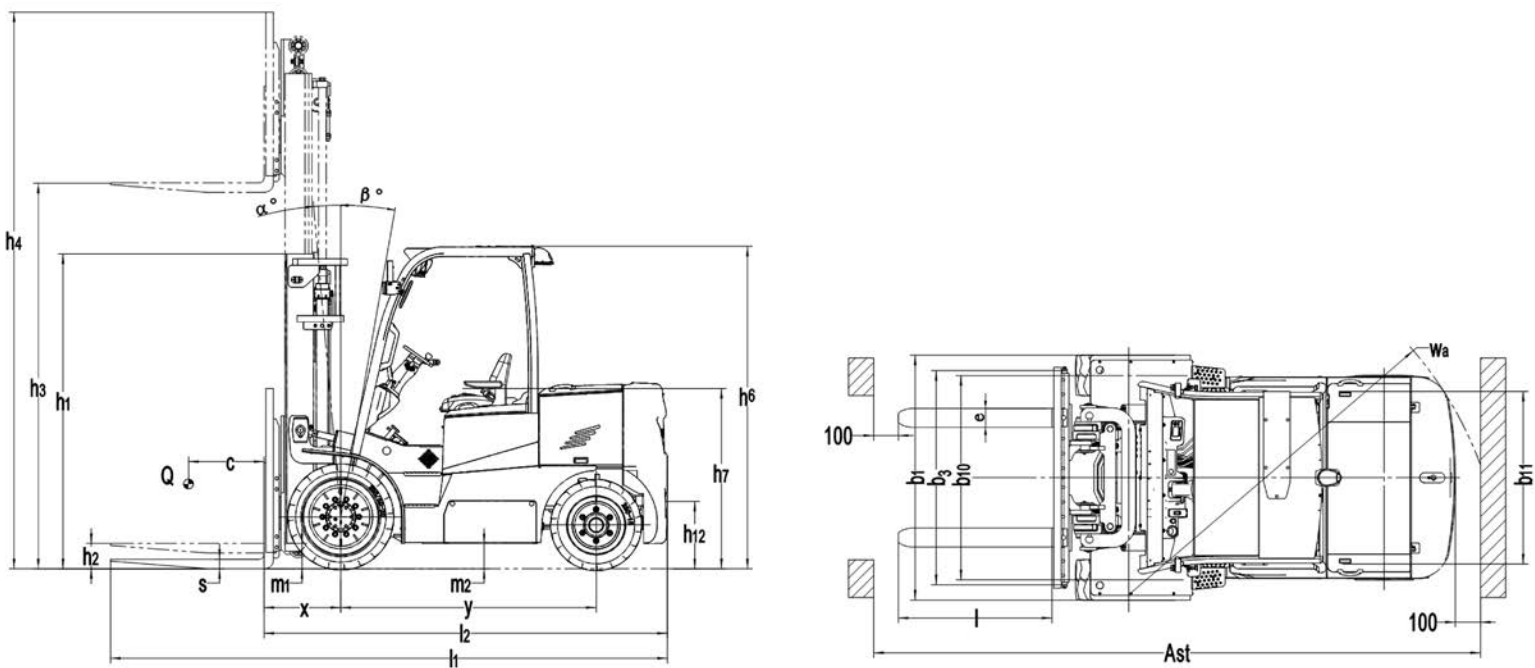


**Power
Savings**



Mast Table FE4P130N-175N								
Designation	Lift height h3 (in)	Free lift height h2 (in)	Closed mast height h1 (in)	Extended mast height h4 (in)	Tilt forward/ backward a/b (°)	Capacity table (lb) C=24in without sideshift single pneumatic tires		
						FE4P130N	FE4P150N	FE4P175N
Two-stage ZT	98	7.9	88.6	154.7	5 / 10	13,000	15,000	17,500
	106	7.9	92.5	162.6	5 / 10	13,000	15,000	17,500
	118	7.9	98.4	174.4	5 / 10	13,000	15,000	17,500
	130	7.9	104.3	186.2	5 / 10	13,000	15,000	17,500
	142	7.9	110.2	198.0	5 / 10	13,000	15,000	17,500
	157	7.9	120.1	213.8	5 / 10	13,000	15,000	17,500
	169	7.9	126.0	225.6	5 / 8	13,000	15,000	17,500
	177	7.9	129.9	233.5	5 / 8	13,000	15,000	17,500
	189	7.9	135.8	245.3	5 / 8	12,760	14,740	16,940
	197	7.9	139.8	253.1	5 / 8	12,540	14,300	16,500
	217	7.9	151.6	272.8	5 / 8	11,880	13,640	15,840
Three-stage DZ	236	7.9	161.4	292.5	5 / 8	11,000	12,980	15,180
	157	43.0	94.3	213.8	5 / 8	12,760	14,990	16,940
	171	48.0	99.2	227.6	5 / 8	12,650	14,880	16,830
	177	49.9	101.2	233.5	5 / 8	12,540	14,770	16,720
	189	53.9	105.1	245.3	5 / 8	12,320	14,550	16,500
	197	57.8	109.1	253.1	5 / 8	12,100	14,080	16,280
	217	64.1	115.4	272.8	5 / 8	11,660	13,640	15,840
	236	74.6	125.8	292.5	5 / 8	11,440	12,760	14,960

Side shift fork positioner - reduce 660lbs for loading capacity



Identification					
1.2	Model		FE4P130N	FE4P150N	FE4P175N
1.3	Drive (electric – battery or mains, diesel, petrol, gas, manual)		Electric		
1.4	Type of operation (hand, pedestrian, standing, seated, order picker)		Seated forklift		
1.5	Load capacity / rated load	Q (lb)	13,000	15,000	17,500
1.6	Load center distance	c (in)	24		
1.8	Load distance, center of drive axle to fork	x (in)	23.4	23.6	24
1.9	Wheel base	y (in)	79.9		
Weights					
2.1	Service weight including battery (see line 6.5)	lb	19,646	20,680	24,640
2.2	Axle loading, laden front / rear	lb	29,018 / 3,828	32,010 / 4,070	37,928 / 4,312
2.3	Axle loading, unladen front / rear	lb	8,030 / 11,616	7,480 / 13,200	9,504 / 15,136
Wheels, Chassis					
3.1	Tires (solid rubber, superelastic, pneumatic, polyurethane)		Solid pneumatic		
3.2	Tire size, front		355/65-15		355/50-20
3.3	Tire size, rear		250-15		
3.5	Wheels, number front / rear (x = driven wheels)		2x / 2		
3.6	Track width, front	b ₁₀ (in)	62		63.9
3.7	Track width, rear	b ₁₁ (in)	53.9		54
Basic Dimensions					
4.1	Mast / fork carriage tilt forward / backward	a/b (°)	5 / 10		
4.2	Lowered mast height	h ₁ (in)	98.4		
4.3	Free lift	h ₂ (in)	7.3	7.5	7.9
4.4	Lift height	h ₃ (in)	118		
4.5	Extended mast height	h ₄ (in)	174		
4.7	Overhead load guard height	h ₆ (in)	100.8		
4.8	Seat height / standing height	h ₇ (in)	56.3		
4.12	Coupling height	h ₁₀ (in)	21.1		
4.19	Overall length	l ₁ (in)	173.5	173.7	174.3
4.20	Length to face of forks	l ₂ (in)	125.5	125.7	126.3
4.21	Overall width	bl (in)	73.6		76.6
4.22	Fork dimensions	s/e/l (in)	2.4 / 5.9 / 48	2.6 / 5.9 / 48	3.0 / 5.9 / 48
4.24	Fork carriage width	b ₃ (in)	66.9		
4.31	Ground clearance, laden, under mast	m ₁ (in)	7.9		
4.32	Ground clearance, center of wheelbase	m ₂ (in)	7.8		
4.33	Right angle stack with 40x48 pallet	Ast (in)	187.8	188	188.6
4.34	Right angle stack with 32x48 pallet	Ast (in)	195.7	195.9	196.5
4.35	Turning radius	Wa (in)	117.3		
Performance Data					
5.1	Travel speed, laden / unladen	mph	9.3 / 9.6		9.0 / 9.6
5.2	Lift speed, laden / unladen	fpm	66.9 / 76.7	62.9 / 76.7	59.1 / 76.7
5.3	Lowering speed, laden / unladen	fpm	78.7 / 84.6	76.7 / 84.6	74.8 / 84.6
5.5	Drawbar pull, laden / unladen S2 60 min	blf	8,100		
5.7	Max. Gradient performance, laden / unladen S2 5 min	%	15		14
5.10	Service brake		Hydraulic		
E-Motor					
6.1	Drive motor rating S2 60 min	HP	46.9		
6.2	Lift motor rating at S3 15%	HP	53.6		
6.3	Battery standard		Lithium-iron phosphate		
6.4	Battery voltage, nominal capacity K5	V/Ah	96 / 412		
6.5	Battery weight	lb	1,210		
	Battery dimensions 1/w/h	in	55.9 / 24.0 / 22.4		
Other Details					
8.1	Type of drive control		AC		
8.2	Operating pressure for attachments	psl	3,335		
8.3	Oil volume for attachments	gmp	17.6		
8.4	Sound level at driver's ear according to EN 12 053	dB(A)	74		75

NOBLELIFT reserves the right to make technical changes and improvements to our products to maintain or enhance the quality, delivery, and efficiency.

A GLOBAL LEADER

NOBLELIFT is a global leader in Lithium Technology. We manufacture more than 200 categories and around 30 series of each product. Our products are designed to meet different application demands and are well accepted by our customers in more than 100 countries and regions in Europe, America, Asia, Africa and more.

Products include: sit-down forklifts, rough terrain forklifts, narrow aisle forklifts, walkie-stackers, order pickers, electric pallet trucks, scissor lifts, tuggers, tow tractors, scrubbers, lift tables, manual pallet jacks and more.



FORKLIFTS



NARROW AISLE



STACKERS



POWERED PALLET TRUCKS



SCISSOR LIFTS



TUGGERS



SCRUBBERS

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