

NOBLELIFT

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Electric Counterbalanced Forklift

FEP-100N2



NOBLELIFT INTELLIGENT EQUIPMENT CO., LTD.

System compatibility and unique style

Flexible battery options:

Lithium or lead-acid, choose as needed.

Integration:

Combines the performance of internal combustion with the efficiency and comfort of electric forklifts.



High efficiency and Energy-saving



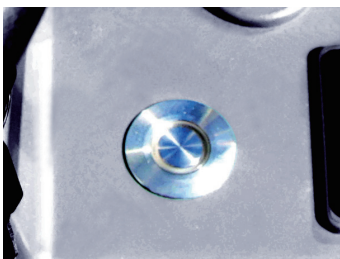
Dual-drive power, imported motors, wet brake, which not only provides strong power but also further enhances the forklift's safety and stability.

- Dual-gun charging for fast, efficient power-up.



The lithium battery forklift comes equipped with dual-gun charging, significantly reducing charging time. Featuring a high-capacity lithium battery, it offers flexible charging and usage, ensuring reliable, all-weather performance and continuous operation—perfectly suited for demanding heavy-duty applications.

- Multiple configurations, low energy consumption.



The parking brake button flashes different colors in parking and driving modes for easy operation.



Independent steering system, on-demand oil supply, reducing energy consumption.



LED lights are brighter, more durable, and energy-efficient.

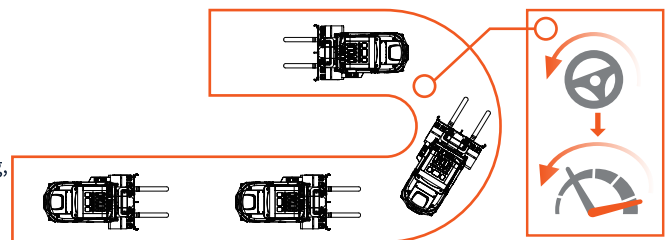


Dual front tires with enhanced loading capacity.

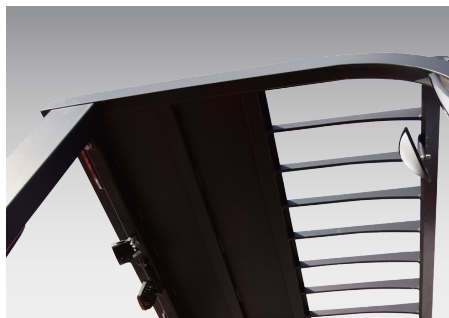


Intelligent Safety

- **Intelligent Automatic Parking:** Regenerative braking system design, active parking in multiple scenarios, standard rearview camera, ensuring safety and peace of mind.
- **Intelligent Turning Speed Limit:** Active speed limiting function, balancing efficiency and safety during high-speed turns.
- **Intelligent Limit Buffering:** Mast lifting and lowering with intelligent sensing, preventing impact at the limit, ensuring safety and comfort.
- **Intelligent Operation Protection:** Full OPS system to prevent wrong operation and ensure safety.
- **Intelligent Control Strategy:** Dual-core controllers, meeting the latest EU safety standards.



The forklift comes standard with a rearview camera, enhancing overall safety performance.



The overhead guard with integrated top cover design increases strength, ensuring safety.



Standard color screen display shows key information such as forklift speed, working hours, battery charge, fault codes etc.

Mast table FEP-100N2

Designation	Lift height h3 (mm)	Free lift height with LBR h2 (mm)	Closed mast height h1 (mm)	Extended mast height with LBR h4 (mm)	Tilt forward/backward $\alpha / \beta (^{\circ})$	Capacity table(kg) C=600mm without attachment
Two-stage ZT	3000	195	2825	4320	6/9	10000
	3500	195	3075	4820	6/9	10000
	4000	195	3375	5370	6/9	9500
	4500	195	3625	5870	6/6	9500
	5000	195	3875	6370	6/6	8000
	5500	195	4175	6920	3/6	8000
	6000	195	4425	7420	3/6	7500
Three-stage DZ	4500	1600	2825	5819	6/6	9000
	5000	1770	2995	6321	6/6	7500
	5500	1935	3160	6818	3/6	7500
	6000	2100	3325	7315	3/6	7000

Easy Maintenance



The battery is centrally positioned with side access, making it easy to switch between lead-acid and lithium batteries, meeting the needs of different users and applications.



The front and rear covers open at a wide angle, making daily inspections and maintenance easier.



Optimized layout, balancing heat dissipation and ease of maintenance.



Fully open design, making hydraulic oil filling more convenient.



Identification	1.1	Manufacture(abbreviation)		Noblelift
	1.2	Manufacturer's type designation		FEP-100N2
	1.3	Drive:electric(battery or mains),diesel,petrol gas,manual)		electric
	1.4	Type of operation(hand,pedestrian,standing,seated,order-picker)		seated
	1.5	Load capacity/rated load	Q (kg)	10000
	1.6	Load centre distance	c (mm)	600
	1.8	Load distance,centre of drive axle to fork	x (mm)	670
	1.9	wheelbase	y (mm)	2580
	Weights	2.1	Service weight incl. battery(see line 6.5) lead-acid /Lion	kg
2.2		Axle loading ,laden front/rear lead-acid /Lion	kg	Lion 22010/2050
2.3		Axle loading,unladen front/rear lead-acid /Lion	kg	Lion 6980/7080
Wheels, Chassis	3.1	Type:solid rubber,superelastic,pneumatic,polyurethane		Solid
	3.2	Tyres size,front		8.25-15
	3.3	Tyres size,rear		250-15
	3.5	Wheels,number front/rear(×=driven wheels)		4X/2
	3.6	Track width,front	b10 (mm)	1686
	3.7	Track width,rear	b11 (mm)	1370
	Basic Dimensions	4.1	Mast/fork carriage tilt forward/backward	$\alpha/\beta(^{\circ})$
4.2		lowered mast height	h1 (mm)	2825
4.3		Free lift	h2 (mm)	196
4.4		Lift height	h3 (mm)	3000
4.5		Extended mast height	h4 (mm)	4310
4.7		Overhead load guardheight	h6 (mm)	2500
4.8		Seat height/standing height	h7 (mm)	1357
4.12		Coupling height	h10 (mm)	467
4.19		Overall length	l1 (mm)	5005
4.20		Length to face of forks	l2 (mm)	3795
4.21		Overall width	b1 (mm)	2165
4.22		Fork dimensions	s/e/l (mm)	80/175/1220
4.24		Fork carriage width	b3 (mm)	2165
4.31		Ground clearance ,laden,under mast	m1 (mm)	225
4.32		Ground clearance,centre of wheelbase	m2 (mm)	226
4.33		Aisle width for pallets 1000×1200 crossways	Ast(mm)	5210
4.34		Aisle width for pallets 800×1200 lengthways	Ast(mm)	5410
4.35	Turning radius	Wa (mm)	3350	
Performance Data	5.1	Travel speed,laden/unladen	km/h	13/14
	5.2	Lift speed,laden/unladen	m/s	0.27/ 0.34
	5.3	lowering speed,laden/unladen	m/s	0.46/0.36
	5.5	Max.Drawbar pull ,laden/unladen	N	48400
	5.7	Max.Gradient performance,laden/unladen S2 5 min	%	15
	5.10	Service brake		Hydraulic
E-Motor	6.1	Drive motor rating S2 60 min	kW	2x16.6
	6.2	Lift motor rating at S3 15%	kW	2x25
	6.3	Battery standard		lead-acid/Lion
	6.4	Battery voltage,nominal capacity K5	V/Ah	Lion:80/1216
	6.5	Battery weight	kg	857
		Battery dimensions l/w/h	mm	1280/1034/640
Other Details	8.1	Type of drive control		AC
	8.2	Operating pressure for attachments	Mpa	21
	8.3	Oil volume for attachments	l/min	74
	8.4	Sound level at driver's ear according to EN 12 053	dB(A)	75

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