



P Series Lithium-ion Forklifts

P Series 3.0/3.5/3.8-ton Lithium-ion Forklifts

3000-3800 kg Capacity



Capacity
3000-3800kg



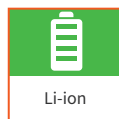
High
Performance



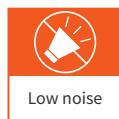
Robust
Design



Ergonomic



Li-ion



Low noise



Easy
Maintenance



Highly
Cost Effective

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

HIGHLIGHTS

- ▶ Higher Value
- ▶ High-Capacity Battery Options
- ▶ Comfort-Focused Operation
- ▶ Safety You Can Count On
- ▶ Dual charging design with both
- ▶ Ultra-Maneuverable
- ▶ Shared Parts for Easy Service & Maintenance



FEP30-38p

3000-3800 kg. Capacity

Based on over two decades of profound expertise in electric forklifts, Noblift's P Series Lithium-ion Forklifts break through conventional design concepts. While continuing the design legacy of its electric forklift family, this entirely new series represents a fully independent innovation. The series surpasses traditional perceptions of electric forklifts, rivaling internal combustion forklifts in efficiency, power, and reliability—redefining what the new generation of electric forklifts can be.

INNOVATIVE SOLUTIONS

New Power • Ready to Go

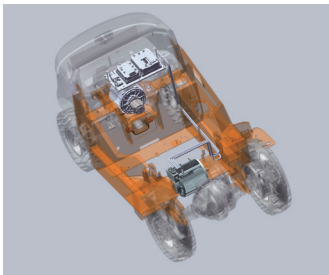


Tough appearance

Building on and transcending the classic styling of the Q Series lithium-ion trucks, it features clean, assertive lines, a compact and refined body, exuding a modern yet poised presence.

Energy-efficient and high-performing

- ▶ It features standard analog speed control for lifting, resulting in enhanced energy efficiency and significantly reduced noise levels.
- ▶ Dual permanent magnet synchronous motors with **IP67** rating offer higher power density. Through the in-depth matching of the reducer, motor, and electronic control system, their energy consumption is reduced by **10-20%** compared with AC motors.



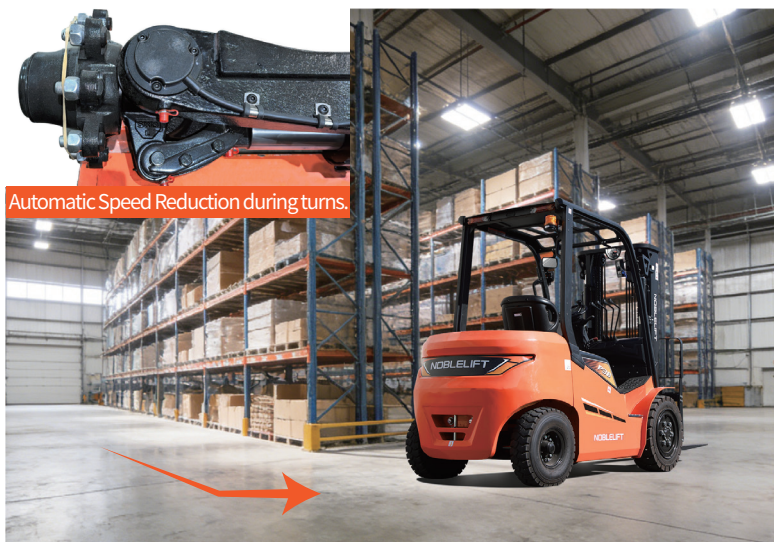
Excellent Ergonomic Design

- ▶ Building on the advantages of the lithium-ion-optimized chassis, it offers excellent visibility, a spacious operator compartment, and superior ergonomics.
- ▶ Provides greater convenience and visibility when handling loads.
- ▶ Comfortable Operator Compartment: Spacious workspace with a suspended brake pedal, a small-diameter ergonomic steering wheel, and dual-side entry capability (left and right access).
- ▶ One-Piece Pressed Overhead Guard: High strength and excellent visibility.
- ▶ Ratchet-Type Parking Brake: Provides effortless and secure braking.
- ▶ Front-Vertical Control Lever Position: Maximizes legroom for more comfortable and convenient operation.
- ▶ Standard eye-level Display : Presents all vital information at a glance and comfortable position.



Easy operations and maintenance

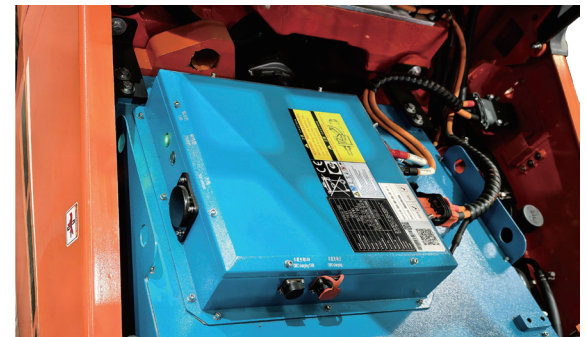
- ▶ The vehicle features an enclosed panel design with a protection rating of up to **IPX4**, making it weather and harsh condition resistant, safe, and reliable.
- ▶ Lithium-Ion-Optimized Chassis with enhanced durability.
- ▶ Standard Cornering Speed Reduction for safer operation.
- ▶ Safety Assist Systems including anti-collision and zone speed limiting for enhanced operational safety.
- ▶ Iron-Enclosed Lithium Battery: Independently distributed cells and BMS for improved safety and easier maintenance.



OPS (Operator Presence System): Locks the lowering function in case of power loss.



Fully Enclosed Controller Design, Rear-mounted within the counterweight for optimal heat dissipation, water, and dust resistance.



Independently Distributed Cells and BMS.



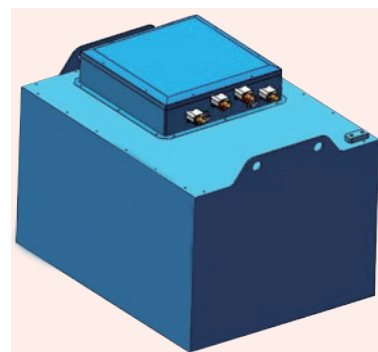
Fast Charging

- ▶ Equipped with standard lithium battery fast-charge technology, the battery is ready for immediate use after charging. The standard battery can be fully charged within 2 hours.
- ▶ Multiple lithium battery configurations are available, ensuring reliable all-weather operation.



Lithium Battery Options / Available Capacities

206Ah	277Ah
412Ah	554Ah

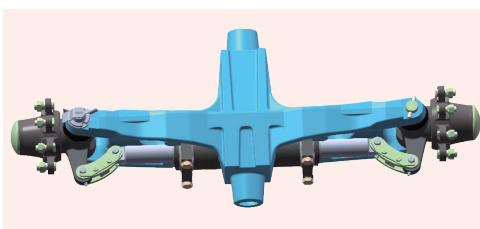


IC-Equivalent Performance

- ▶ Heavy-duty drive axle, transmission, and steer axle meet the demands of ICE-equivalent operation.
- ▶ IC-Spec Steer Axle: Features a monolithic cast construction. Tapered roller bearings in the steering knuckle provide greater load-bearing capacity.
- ▶ IC-Spec Steer Axle: Features a monolithic cast construction. Tapered roller bearings in the steering knuckle provide greater load-bearing capacity.



Oversized Front & Rear Tyres: For enhanced durability.



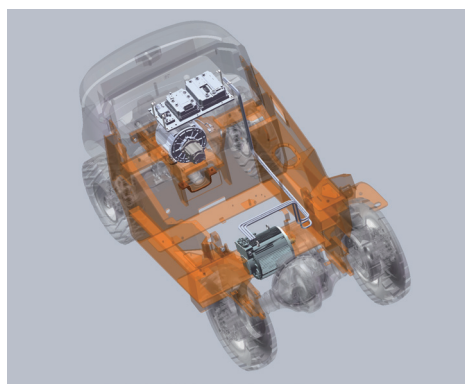
The steer axle for IC forklifts employs a monolithic cast design. The use of tapered roller bearings in the steering knuckle provides greater load-bearing capacity.



Transverse-Mounted IC-Spec Drive Axle and Transmission.

Energy-efficient and high-performing

- ▶ It features standard analog speed control for lifting, resulting in enhanced energy efficiency and significantly reduced noise levels.
- ▶ Dual permanent magnet synchronous motors with **IP67** rating offer higher power density. Through the in-depth matching of the reducer, motor, and electronic control system, their energy consumption is reduced by **10-20%** compared with AC motors.



Standard PMSM drive control.



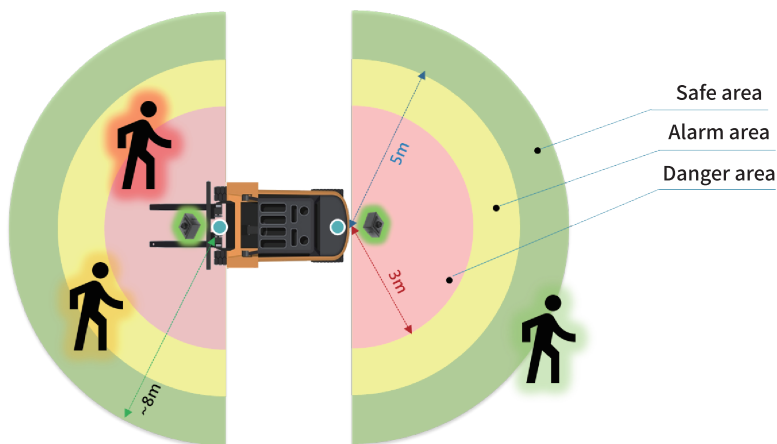
Standard Analog Speed Control.



Optional Advanced Safety Assist System (Noblelift N+ASS).

► **AI-Powered Collision Warning System (N+ASS System):** An intelligent video monitoring device specifically developed for forklifts and similar equipment. Utilizing AI technology, it continuously monitors the work area for hazardous conditions and provides real-time alerts. Once personnel enter a danger zone, the operator immediately receives a dynamic collision warning. This system assists operators in avoiding hazards, preventing accidents, and reducing stress across various complex road conditions and environments. By offering comprehensive driver assistance and enhanced environmental awareness, it effectively improves the vehicle's overall safety performance.

► **Zone Speed Limiting System (N+ZSL System):** Limits vehicle speed within specific zones such as factory floors, warehouses, or designated road segments. Speed limit tags are installed at zone entry and exit points. Using UHF technology and a proprietary high-efficiency signal processing algorithm, the system maintains a high tag read rate while enabling fast electronic tag read/write operations. This allows the speed limiter controller to enforce preset speed limits in designated areas.



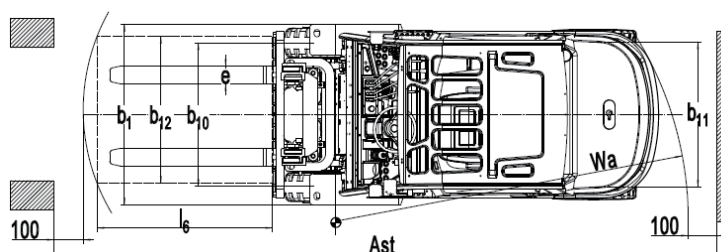
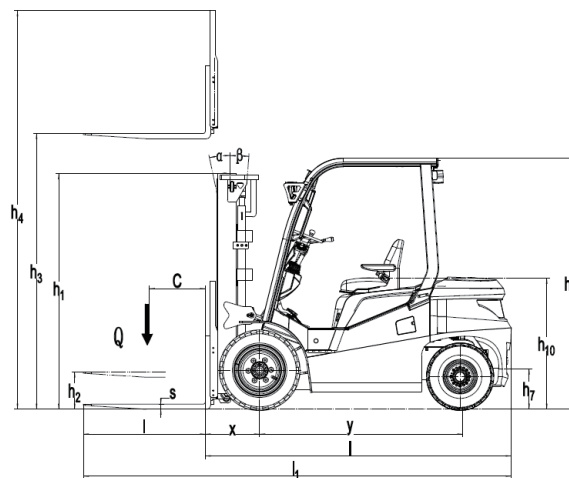
FEP30-38P Battery Balance Weight Type Forklift

No.20251225

Identification	1.1	Manufacture(abbreviation)		Noblelift	Noblelift	Noblelift
	1.2	Manufacturer's type designation		FEP-30P	FEP-35P	FEP-38P
	1.3	Drive		electric	electric	electric
	1.4	Type of operation		seated	seated	seated
	1.5	Load capacity/rated load	Q(kg)	3000	3500	3800
	1.6	Load centre distance	c (mm)	500	500	500
	1.8	Load distance,centre of drive axle to fork	x (mm)	478	483	483
	1.9	wheelbase	y (mm)	1700	1760	1760
Weights	2.1	Service weight incl. battery(see line 6.5)	kg	4280	4660	4980
	2.2	Axle loading ,laden front/rear	kg	6530/750	7240/920	7770/1010
	2.3	Axle loading,unladen front/rear	kg	2060/2220	2040/2620	1900/3080
Wheels, Chassis	3.1	Type		pneumatic	pneumatic	pneumatic
	3.2	Tyres size,front		28×9-15-14PR	28×9-15-14PR	28×9-15-14PR
	3.3	Tyres size,rear		6.50-10-10PR	6.50-10-10PR	6.50-10-10PR
	3.5	Wheels,number front/rear(×=driven wheels)		2×/2	2×/2	2×/2
	3.6	Track width,front	b10 (mm)	1004	1004	1004
	3.7	Track width,rear	b11 (mm)	982	982	982
Basic Dimensions	4.1	Mast/fork carriage tilt forward/backward	$\alpha/\beta(^{\circ})$	6/10	6/10	6/10
	4.2	lowered mast height	h1(mm)	2070	2185	2185
	4.3	Free lift	h2(mm)	140	145	145
	4.4	Extended mast height	h3(mm)	3000	3000	3000
	4.5	Extended mast height	h4(mm)	4079	4079	4079
	4.7	Overhead load guardheight	h6(mm)	2200	2200	2200
	4.8	Seat height/standing height	h7(mm)	1130	1130	1130
	4.12	Coupling height	h10(mm)	580	580	580
	4.19	Overall length	l1(mm)	3688	3755	3755
	4.20	Length to face of forks	l2(mm)	2618	2685	2685
	4.21	Overall width	b1(mm)	1230	1230	1230
	4.22	Fork dimensions	s/e/l(mm)	45/122/1070	50/122/1070	50/122/1070
	4.24	Fork carriage width	b3 (mm)	1100	1100	1100
	4.31	Ground clearance ,laden,under mast	m1(mm)	140	145	145
	4.32	Ground clearance,centre of wheelbase	m2(mm)	150	150	150
	4.33	Aisle width for pallets 1000×1200 crossways	Ast(mm)	4039	4153	4153
	4.34	Aisle width for pallets 800×1200 lengthways	Ast(mm)	4239	4353	4353
	4.35	Turning radius	Wa(mm)	2360	2470	2470
Performance Data	5.1	Travel speed,laden/unladen	km/h	15/16	15/16	15/16
	5.2	Lift speed,laden/unladen	m/s	0.42/0.52	0.40/0.50	0.40/0.50
	5.3	lowering speed,laden/unladen	m/s	<0.6	<0.6	<0.6
	5.5	Max.Drawbar pull,laden/unladen	N	15000/14000	18000/17000	20000/19000
	5.7	Max.Gradient performance,laden/unladen	%	15/20	15/20	15/20
	5.10	Service brake		Hydraulic	Hydraulic	Hydraulic
E-Motor	6.1	Drive motor rating S2 60 min	KW	15	20	20
	6.2	Lift motor rating at S3 15%	KW	24	28	28
	6.3	Battery standard		Lion	Lion	Lion
	6.4	Battery voltage,nominal capacity K5	V/Ah	76.8/206(277/412/554)	76.8/206(277/412/554)	76.8/206(277/412/554)
	6.5	Battery weight	kg	200/240/300/360	200/240/300/360	200/240/300/360
		Battery dimensions l/w/h	mm	770/600/605	770/600/605	770/600/605
Other Details	10.1	Type of drive control		PM	PM	PM
	10.2	Operating pressure for attachments	Mpa	17.5	17.5	17.5
	10.4	Oil volume for attachments	l/min	36	36	36
	10.8	Sound level at driver's ear according to EN 12 053	dB(A)	74	75	75

FEP30P Series Mast Data Sheet

Designation	Lift height h3 (mm)	Free Lift height h2 (mm)	Closed mast height h1 (mm)	Extended mast height h4 (mm)	Tilt forward/ backward $\alpha/\beta(^{\circ})$	Capacity table(kg) C=500mm without sideshift single solid tyres FE4P30P
Two-stage ZT	2000	140	1575	3079	6/10	3000
	2500	140	1825	3579	6/10	3000
	3000	140	2075	4079	6/10	3000
	3300	140	2225	4379	6/10	3000
	3500	140	2325	4579	6/10	3000
	3600	140	2375	4679	6/10	3000
	3700	140	2425	4779	6/10	2950
	4000	140	2625	5079	6/6	2800
	4300	140	2775	5379	6/6	2700
	4500	140	2875	5579	6/6	2500
	5000	140	3125	6079	6/6	2100
Two-stage ZZ	2000	496	1745	3079	6/10	3000
	2500	746	1845	3579	6/10	3000
	3000	996	1995	4079	6/10	3000
	3300	1146	2145	4379	6/10	3000
	3500	1246	2245	4579	6/10	3000
	3600	1296	2345	4679	6/10	3000
	3700	1346	2545	4779	6/10	3000
	4000	1546	2545	5079	6/6	2850
Three-stage DZ	4000	921	2000	5079	6/6	2600
	4350	1046	2125	5429	6/6	2400
	4500	1096	2175	5579	6/6	2200
	4800	1196	2275	5879	6/6	2000
	5000	1339	2418	6079	6/6	1500
	5500	1573	2652	6579	3/6	1200
	6000	1806	2885	7079	3/6	900
	6500	2039	3118	7579	3/6	800
Four-stage DZ	7000	2205	3284	8079	3/6	700
	6100	1190	2135	7045	3/6	1200
	6600	1315	2260	7545	3/6	800
	7000	1495	2440	7945	3/6	700



FEP35P Series Mast Data Sheet

Designion	Lift height h3 (mm)	Free Lift height h2 (mm)	Closed mast height h1 (mm)	Extended mast height h4 (mm)	Tilt forward/ backward $\alpha/\beta(^{\circ})$	Capacity table(kg) C=500mm without sideshift single solid tyres FE4P35P
Two-stage ZT	2000	145	1685	3079	6/10	3500
	2500	145	1935	3579	6/10	3500
	3000	145	2185	4079	6/10	3500
	3300	145	2335	4379	6/10	3000
	3500	145	2435	4579	6/10	3000
	3600	145	2485	4679	6/10	3000
	3700	145	2535	4779	6/10	3250
	4000	145	2735	5079	6/6	3000
	4300	145	2885	5379	6/6	2800
	4500	145	2985	5579	6/6	2600
	5000	145	3235	6079	6/6	2200
Two-stage ZZ	2000	496	1575	3079	6/10	3500
	2500	746	1825	3579	6/10	3500
	3000	996	2075	4079	6/10	3500
	3300	1146	2225	4379	6/10	3500
	3500	1246	2325	4579	6/10	3500
	3600	1296	2375	4679	6/10	3500
	3700	1346	2425	4779	6/10	3500
	4000	1546	2625	5079	6/6	3200
Three-stage DZ	4000	921	2000	5079	6/6	3200
	4350	1046	2125	5379	6/6	3000
	4500	1096	2175	5579	6/6	3000
	4800	1196	2275	5879	6/6	2500
	5000	1339	2418	6079	6/6	2400
	5500	1573	2652	6579	3/6	1750
	6000	1806	2885	7079	3/6	1250
	6500	2039	3118	7579	3/6	900
	7000	2205	3284	8079	3/6	800
Four-stage DZ	6100	1190	2135	7045	3/6	1250
	6600	1315	2260	7545	3/6	900
	7000	1495	2440	7945	3/6	800

FEP38P Series Mast Data Sheet

Designion	Lift height h3 (mm)	Free Lift height h2 (mm)	Closed mast height h1 (mm)	Extended mast height h4 (mm)	Tilt forward/ backward $\alpha/\beta(^{\circ})$	Capacity table(kg) C=500mm without sideshift single solid tyres FE4P38P
Two-stage ZT	2000	145	1685	3079	6/10	3800
	2500	145	1935	3579	6/10	3800
	3000	145	2185	4079	6/10	3800
	3300	145	2335	4379	6/10	3800
	3500	145	2435	4579	6/10	3800
	3600	145	2485	4679	6/10	3800
	3700	145	2535	4779	6/10	3800
	4000	145	2735	5079	6/6	3650
	4300	145	2885	5379	6/6	3350
	4500	145	2985	5579	6/6	3300
	5000	145	3235	6079	6/6	3000
Two-stage ZZ	2000	496	1575	3079	6/10	3800
	2500	746	1825	3579	6/10	3800
	3000	996	2075	4079	6/10	3800
	3300	1146	2225	4379	6/10	3800
	3500	1246	2325	4579	6/10	3800
	3600	1296	2375	4679	6/10	3800
	3700	1346	2425	4779	6/10	3800
	4000	1546	2625	5079	6/6	3650
Three-stage DZ	4000	1021	2100	5079	6/6	3650
	4350	1146	2225	5329	6/6	3550
	4500	1196	2275	5579	6/6	3350
	4800	1296	2375	5879	6/6	3100
	5000	1439	2518	6079	6/6	3000
	5500	1673	2752	6579	3/6	2700
	6000	1906	2985	7079	3/6	2200

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