



CPD40/45/50

LITHIUM-ION ELECTRIC FORKLIFT



Ergonomic



Compliance with
Environment



Maintenance
Easy



Design
Durable



Capacity
2,000–3,800 kg



High
Performance



Best value
value for money

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

CPD40/45/50 - PRODUCT OVERVIEW

// Professional Lithium-Ion Electric Forklift

The CPD line of lithium-ion electric forklifts developed by Noblift features state-of-the-art technology. These forklifts are equipped with an engine that meets Stage IV emissions standards. The entire line offers more environmentally friendly operation thanks to its optimized transmission and hydraulic system. Energy consumption is minimized.

// Performance

Ground clearance has been increased to improve maneuverability on uneven surfaces.

Mast reliability is enhanced by a larger-diameter lift cylinder, complemented by wider chains and fork carriage rollers. This robust design significantly reduces the risk of failure.

The hydraulic system has been optimized to speed up mast lifting and lowering.

The forward/reverse controls allow for smoother transitions, facilitate precise maneuvers, and improve driving comfort.

// Safety

The long wheelbase enhances the forklift's stability and improves its load capacity.

The reduced load on the rear axle extends the service life of the steering tires.

The wider mast provides an optimal field of view, and its lowering shock absorber helps reduce impact.

// Comfort

Its ergonomic design increases cabin space for greater operator comfort.

The entry step and handle are wider to make it easier for the operator to get in.

The one-piece front chassis opens without tools for easy access to the engine for maintenance.

Diagnostics and maintenance are made easier thanks to CAN-bus technology.

CAN-bus



CPD40/45/50 - PRODUCT FEATURES



Spacious cab for greater comfort. The adjustable suspension seat minimizes vibrations and reduces fatigue, regardless of the operator's build.

FHPS steering provides smooth and precise maneuverability, even with one hand.

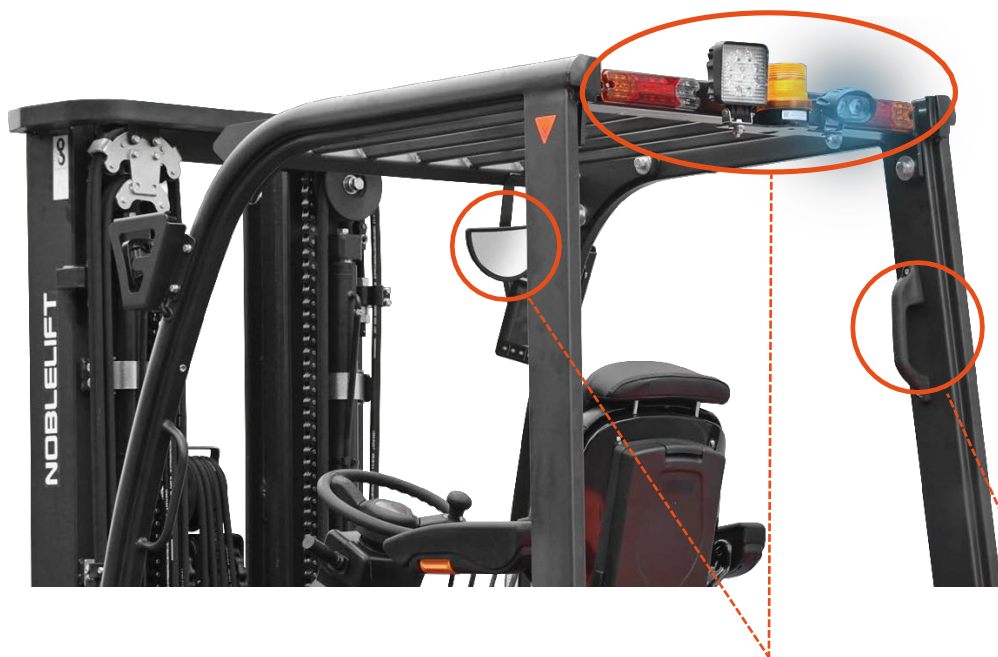


The shock absorption system protects the load from the ground when the forks are lowered. The integrated side shift enables precise fork positioning. The large-diameter, soft solid tires ensure a stable and comfortable ride.



The wide mast provides an expanded field of view during operations. The integrated OPS system automatically locks the lift and travel functions when the operator is not on board the forklift.

CPD40/55/50 - PRODUCT SPECIFICATIONS



LCD display integrated into the field of view for immediate and safe reading.

The LED headlights and front lights ensure optimal visibility in low-light areas, while the blue light alerts pedestrians.

Panoramic rearview mirrors and LED taillights enhance safety during reverse maneuvers.

A horn integrated into the rear handle makes it easier to use when reversing.



Air filtration system effectively prevents dust from entering.



A gas-strut-assisted engine hood with an integrated lock provides quick (by opening the hood) and full access to components to simplify maintenance.

CPD40/55/50 - PRODUCT SPECIFICATIONS

// Lithium Battery

Noblelift uses LiFePO₄ technology, recognized for its longevity and exceptional safety. Each battery is equipped with a smart battery management system (BMS), integrated thermal control, and a high-voltage regulation system.

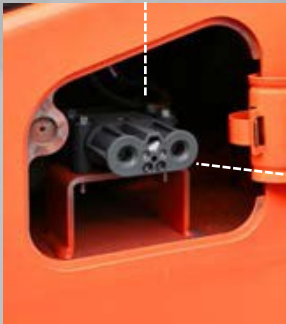
The BMS continuously monitors charging and discharging to ensure optimal safety and consistent performance throughout the battery's entire life cycle.

// The Benefits of Lithium

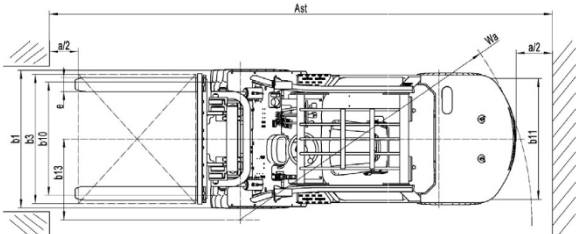
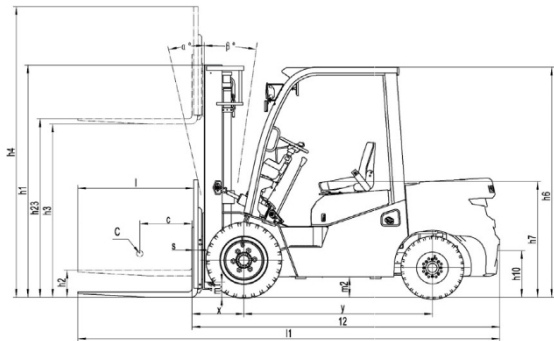
The maintenance-free lithium battery fully recharges in 2–3 hours. It can be recharged at any time—during breaks or shift changes—enabling continuous operation over multiple cycles. No battery replacement is necessary.

// Lithium vs. Lead-Acid Battery Comparison

Battery	Lead	Lithium
Availability	Must be stopped for a full recharge	Flexible recharging between work cycles
Safety	Hydrogen emissions, risk of burns	No gases or hazardous substances
Charging area	Required	None
Charging time	8–10 hours	2–3 hours
Maintenance	Periodic	None
Battery replacement	Regular	/
Energy efficiency	Power loss	No loss—up to 35% savings
Lifespan	Average	3 times longer



Desi gnati on	Mast Table	Lifting Height (mm)	Mast Height			Free lift		Front counterba lance (mm)	Tilt angle front / rear (°)	Capacity							
			Folded mast height (mm)	Extended mast height (mm)						Capacity Chart (kg) C=500 mm without accessories							
				without load file	with load data					Single tire			Dual tire				
						3/4, 5 T	3/4, 5/5 metric tons			3/4, 5/5 metric tons	3/4, 5/5 metric tons	3/4, 5/5 metric tons	3/4, 5/5 T	4 T	4.5T	5T	4 T
Duplex	A40/45/50/M210	2,100	1,800	3010	3,340	150	150	555	6/12	4,000	4,500	5,000	4,000	4,500	5,000		
	A40/45/50/M250	2,500	2,000	3,410	3,740	150	150	555	6/12	4,000	4,500	5,000	4,000	4,500	5,000		
	A40/45/50/M260	2,600	2,050	3,510	3,840	150	150	555	6/12	4,000	4,500	5,000	4,000	4,500	5,000		
	A40/45/50/M270	2,700	2,100	3,610	3,940	150	150	555	6/12	4,000	4,500	5,000	4,000	4,500	5,000		
	A40/45/50/M290	2,900	2,200	3,810	4,140	150	150	555	6/12	4,000	4,500	5,000	4,000	4,500	5,000		
	A40/45/50/M300	3,000	2,250	3,910	4,240	150	150	555	6/12	4,000	4,500	5,000	4,000	4,500	5,000		
	A40/45/50/M330	3,300	2,400	4,210	4,540	150	150	555	6/12	4,000	4,500	5,000	4,000	4,500	5,000		
	A40/45/50/M350	3,500	2,500	4,410	4,740	150	150	555	6/12	4,000	4,500	5,000	4,000	4,500	5,000		
	A40/45/50/M370	3,700	2,600	4,610	4,940	150	150	555	6/12	4,000	4,500	5,000	4,000	4,500	5,000		
	A40/45/50/M375	3,750	2,625	4,660	4,990	150	150	555	6/12	4,000	4,500	5,000	4,000	4,500	5,000		
	A40/45/50/M400	4,000	2,800	5010	5,340	150	150	555	6/6	4,000	4,500	5,000	4,000	4,500	5,000		
	A40/45/50/M425	4,250	2,925	5,260	5,590	150	150	555	6/6	3,800	4,300	3,350	4,000	4,500	5,000		
	A40/45/50/M450	4500	3,050	5510	5,840	150	150	555	6/6	3,700	4,200	3,100	4,000	4,500	5,000		
	A40/45/50/M475	4750	3,175	5,760	6,090	150	150	555	6/6	3,700	4,200	4,500	4,000	4,500	5,000		
	A40/45/50/M480	4800	3,200	5,810	6,140	150	150	555	6/6	3,500	4,000	4,250	3,700	4,200	4,600		
	A40 /45/50/M500	5000	3,300	6010	6340	150	150	555	6/6	3,500	4,000	4,250	3,700	4,200	4,600		
Duplex with Large Clear Span	A40/45/50/M550	5500	3,550	6,510	6,840	150	150	555	6/6	2,900	3,200	3,600	3,200	3,600	3,800		
	A40/45/50/M600	6,000	3,800	7010	7340	150	150	555	6/6	2,600	3,000	3,300	2,900	3,200	3,600		
	A40/45/50/M650	6,500	4,150	7,710	8,040	150	150	555	3/6	2,300	2,700	3,000	2,600	2,900	3,300		
	A40/45/50/M700	7,000	4,300	8010	8340	150	150	555	3/6	2000	2,400	2,700	2,300	2,600	3,000		
	A40/45/50/U230	2300	1,900	3,214	3,544	1,144	744	555	6/12	4,000	4,500	5,000	4,000	4,500	5,000		
	A40/45/50/U243	2430	1965	3,365	3,695	1,230	830	555	6/12	4,000	4,500	5,000	4,000	4,500	5,000		
	A40/45/50/U250	2,500	2,000	3,415	3,745	1,245	845	555	6/12	4,000	4,500	5,000	4,000	4,500	5,000		
	A40/45/50/U261	2610	2055	3,525	3,855	1,300	900	555	6/12	4,000	4,500	5,000	4,000	4,500	5,000		
	A40/45/50/U271	2710	2105	3,625	3,955	1350	950	555	6/12	4,000	4,500	5,000	4,000	4,500	5,000		
	A40/45/50/U300	3,000	2,250	3,915	4,245	1,495	1,095	555	6/12	4,000	4,500	5,000	4,000	4,500	5,000		
	A40/45/50/U330	3,300	2,400	4,215	4,545	1,645	1,245	555	6/12	4,000	4,500	5,000	4,000	4,500	5,000		
	A40/45/50/U350	3,500	2,500	4,415	4,745	1,745	1,345	555	6/12	4,000	4,500	5,000	4,000	4,500	5,000		
	A40/45/50/U375	3,750	2,625	4,665	4995	1870	1470	555	6/12	4,000	4,500	5,000	4,000	4,500	5,000		
	A40/45/50/U400	4,000	2,750	4,915	5,245	1995	1,595	555	6/6	4,000	4,200	5,000	4,000	4,500	5,000		
	A40/45/50/U450	4,500	3,000	5415	5,746	2246	1,846	555	6/6	3,700	4,500	4,500	4,000	4,500	5,000		
	A40/45/50/U500	5,000	3,250	5916	6,246	2,495	2,096	555	6/6	3,200	3,600	4,000	3,400	4,000	4,200		
A40/45/50/U550	5,500	3,500	6416	6746	2746	2,346	555	6/6	2,900	3,200	3,600	3,200	3,600	3,800			
A40/45/50/U600	6,000	3,750	6,916	7,246	2,996	2,596	555	6/6	2,600	3,000	3,300	2,900	3,200	3,600			
Triplex with Large Free Stroke	A40/45/50/N360	3600	1950	4484	4,814	1024	694	555	6/12	4,000	4,500	5,000	4,000	4,500	5,000		
	A40/45/50/N392	3,920	2,060	4,820	5,150	1,144	814	555	6/12	4,000	4,500	5,000	4,000	4,500	5,000		
	A40/45/50/N400	4,000	2,090	4904	5,234	1,164	834	555	6/6	3,800	4,300	4,700	4,000	4,500	5,000		
	A40/45/50/N435	4350	2,200	5,249	5,579	1289	959	555	6/6	3,500	4,100	4,400	4,400	4,300	4,800		
	A40/45/50/N450	4500	2,250	5,400	5,730	1,340	1,010	555	6/6	3,350	4,000	4,200	3,800	4,200	4700		
	A40/45/50/N470	4700	2315	5602	5932	1406	1,076	555	6/6	3,250	3,800	4,050	3,500	4,000	4,300		
	A40/45/50/N480	4800	2,350	5701	6031	1,439	1,109	555	6/6	3,150	3,700	3,950	3,400	3,900	4,100		
	A40/45/50/N500	5,000	2,450	5,899	6,229	1,539	1,209	555	6/6	3,050	3,400	3,800	3,300	3,800	4,000		
	A40/45/50/N550	5500	2,610	6,400	6,730	1,689	1,359	555	6/6	2,750	3,000	3,500	3,000	3,400	3,700		
	A40/45/50/N600	6,000	2,820	6,900	7,230	1904	1574	555	6/6	2,400	2,800	3,150	2,500	3,000	3,400		
	A40/45/50/N650	6500	2,995	7,400	7,730	2,084	1,754	555	3/6	2000	2,400	2,700	2,400	2,600	3,000		
	A40/45/50/N700	7,000	3,185	7,930	8,260	2264	1,934	555	3/3	1,700	2000	2,300	2,000	2,300	2,600		
A40/45/50/N750	7,500	3,297	8,414	8,744	2,524	2,194	555	3/3	1,500	1,800	2,100	1,800	2,100	2,400			



Identification					
1.1	Manufacturer's Model Designation		CPD30	CPD35	CPD38
1.2	Transmission: electric (battery or grid), diesel, gasoline, manual		Lithium	Lithium	Lithium
1.4	Type of operation		per-seat	seated	seated
1.5	Load capacity/rated load	Q (kg)	4,000	4,500	5,000
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)	555	555	555
1.9	Wheelbase	y (mm)	2100	2100	2100
Weight					
2.1	Operating weight with battery	kg	6,450	6,650	6,900
2.2	Axle load, front/rear	kg	9,000/1,450	9,800/1,350	10,550/1,350
2.3	Axle load, unloaded front/rear	kg	2,950/3,500	2,950/3,700	2,950/3,950
Wheels, chassis					
3.1	Type: solid rubber, super-elastic, pneumatic, polyurethane		Pneumatic	Pneumatic	Pneumatic
3.2	Front tire size		8.25-15-14PR	300-15-18PR	300-15-18PR
3.3	Rear tire size		7.00-12-12PR	7.00-12-12PR	7.00-12-12PR
3.4	Number of front/rear wheels (x = driven wheels)		2X/2	2X/2	2X/2
3.5	Front track width	b10 (mm)	1200	1200	1200
3.6	Rear track width	b11 (mm)	1210	1210	1210
Basic Dimensions					
4.1	Mast/fork tilt angle (front/rear)	α/β (°)	6/12	6/12	6/12
4.2	Height of retracted mast	h1 (mm)	2250	2250	2250
4.3	Free stroke	h2 (mm)	150	150	150
4.4	Lifting height	h3 (mm)	3000	3000	3000
4.4a	Lifting height	h23 (mm)	3045	3050	3050
4.5	Extended mast height	h4 (mm)	4300	4300	4,300
4.7	Height of the protective roof (cab)	h6 (mm)	2250	2250	2250
4.8	Seat height / standing height	h7 (mm)	1000	1000	1000
4.12	Hitch height	h10 (mm)	390	390	390
4.19	Overall length	l1 (mm)	4605	4605	4605
4.20	Length to the front of the forks	l2 (mm)	3235	3235	3235
4.21	Overall width	b1 (mm)	1480/1480	1480/1480	1480/1490
4.22	Fork dimensions	L/W/H (mm)	1370/150/50	1370/150/50	1370/150/50
4.23	Fork mounting class		3A	3A	3A
4.24	Fork carriage width	b3 (mm)	1380	1380	1380
4.31	Ground clearance, loaded, under the mast	m1 (mm)	180	180	180
4.32	Ground clearance, center of the carriage	m ² (mm)	235	235	235
4.34.1	Aisle width for 1000x1200 pallets placed crosswise	Ast (mm)	4685	4685	4685
4.34.2	Aisle width for 800x1200 pallets placed lengthwise	Ast (mm)	4885	4885	4885
4.35	Turning radius	Wa (mm)	2930	2930	2930
4.36	Lateral turning radius	b13 (mm)	960	960	960
Performance data					
5.1	Travel speed with load/unloaded	km/h	18/19	18/19	18/19
5.2	Lifting speed with load/unloaded	mm/s	450/500	430/500	410/500
5.3	Lowering speed, with load/unloaded	mm/s	400/420	400/420	400/420
5.6	Maximum tensile force, loaded/unloaded	kN	26/18	26/18	26/18
5.7	Maximum Grade, Loaded/Unloaded S2	%	20/23	19/22	19/21
5.10	Service brake		Hydraulic	Hydraulic	Hydraulic
5.11	Parking brake		Mechanical	Mechanical	Mechanical
Battery					
6.1	Battery Voltage	V/Ah	154/280	154/280	154/280
6.2	Battery weight	kg	400	400	400
Motor and controller					
7.1	Drive motor power S2-60 min	kW	29	29	29
7.2	Lifting motor power S3-15 min	kW	34	34	34
7.3	Drive Motor Control Method		MOSFET/PM AC	MOSFET/PM AC	MOSFET/PM AC
7.4	Lifting Motor Control Mode		MOSFET/PM AC	MOSFET/PM AC	MOSFET/PM AC
7.5	Control Type		ACM152C350	ACM152C350	ACM152C350
Additional Information					
10.1	Working pressure for accessories	MPa	21	21	21
10.2	Accessory Flow Rate	L/min	60	60	60
10.4	Fuel tank capacity	L	90	90	90
10.7	Noise level at the driver's ear, according to EN 12053	dB	74	74	74
10.8	DIN 15170 Pivot Specifications		35	35	35



NOBLELIFT

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