



CPCD40/45/50

DIESEL FORKLIFT



Ergonomic



Compliance with
Environment



Maintenance
Easy



Design
Durable



Capacity
4,000–5,000 kg



High
Performance



Best value
value for money

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

CPCD40/45/50 - PRODUCT OVERVIEW

// Professional Internal Combustion Forklift

The CPCD (diesel) series of internal combustion forklifts developed by Nobelift features state-of-the-art technology. These forklifts are equipped with an engine that meets Stage IV emissions standards. Thanks to the optimized transmission and hydraulic system, the entire series offers more environmentally friendly operation. Energy consumption is minimized.

// Performance

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

A larger fuel tank capacity provides greater range.

Thanks to a larger-diameter lift cylinder, complemented by wider chains and fork carriage rollers, mast reliability is enhanced. 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 reduces 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.



CPCD40/45/50 - 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.

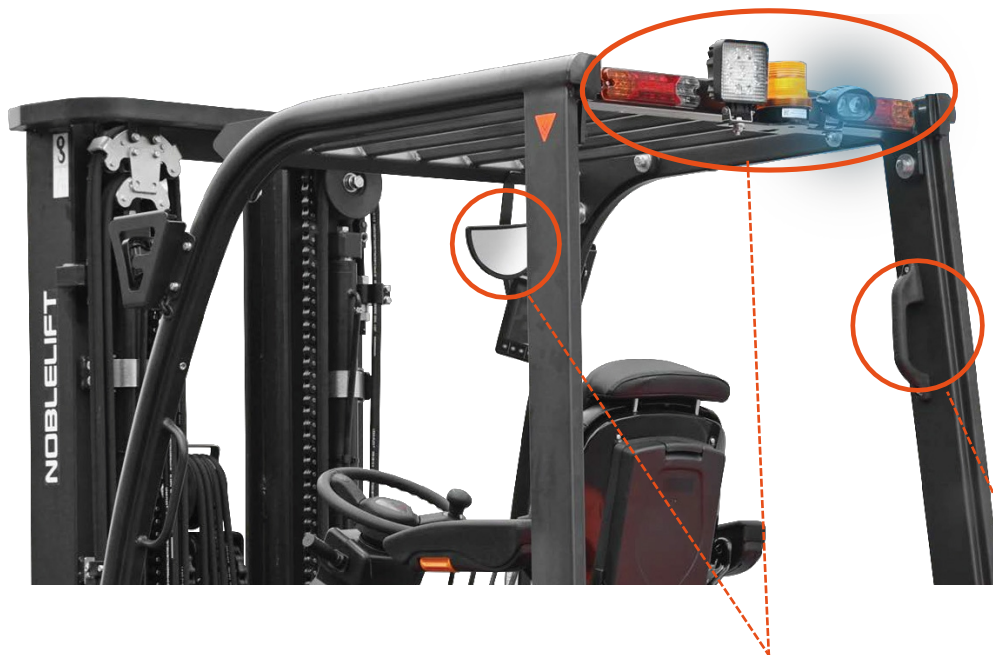


Intelligent damping protects the floor and the load when the forks are lowered. Side shift
The integrated control system allows for precise fork positioning. The large-diameter, soft solid tires ensure a stable and comfortable ride.



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.

CPCD40/45/50 - PRODUCT SPECIFICATIONS



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

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



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

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

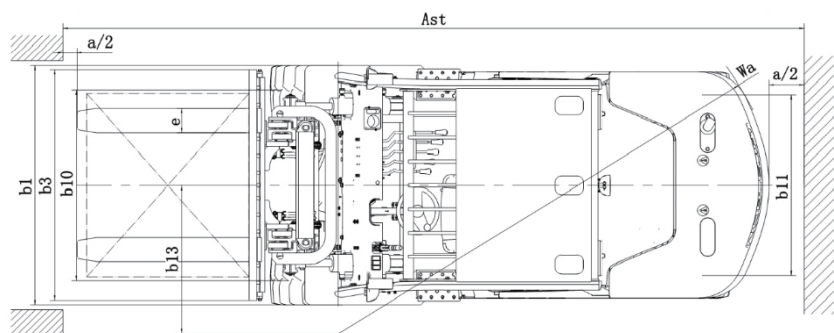
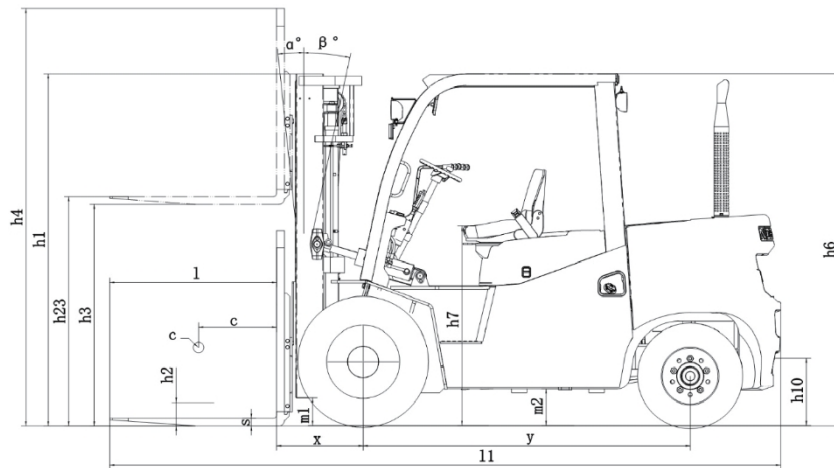


An air filtration system effectively prevents dust from entering.



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

CPCD40/45/50 - PRODUCT SPECIFICATIONS



Des-ig-na-tion	Mast Table	Liftin-g Heig-ht (mm)	Mast Height			Free lift		Front counterba-lance (mm)	Tilt angle Front / rear (°)	Mast					
			Mast height folded (mm)	Mast height when extended (mm)						Capacity Chart (kg) C=500 mm without accessories					
				without load support	with load backrest	without load backrest	with load backrest			Single tire			Dual tire		
										4 metric tons	4.5 metric tons	5 metric tons	4 metric tons	4.5 metric tons	5 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	4,700	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	4,500	4,000	4,500	5,000
	A40/45/50/M475	4750	3,175	5,760	6,090	150	150	555	6/6	3,500	4,000	4,250	4,000	4,200	4,600
	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	3,200	3,600	4,000	3,400	4,000	4200
	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	8040	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	2,000	2,400	2,700	2,300	2,600	3,000
Duplex with Large Clear Span	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	2,150	3,625	3,955	1,350	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	4,995	1,870	1,470	555	6/12	4,000	4,500	5,000	4,000	3,500	5,000
	A40/45/50/U400	4,000	2,750	4,915	5,245	1995	1,595	555	6/6	4,000	4,500	5,000	4,000	4,500	5,000
	A40/45/50/U450	4,500	3,000	5416	5,746	2,246	1,846	555	6/6	3,700	4,200	4,500	4,000	4,500	5,000
	A40/45/50/U500	5,000	3,250	5916	6,246	2,496	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	6,416	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	6916	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	1,024	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	3,800	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	3,500	4,200	4700
	A40/45/50/N470	4700	2,315	5602	5932	1406	1,076	555	6/6	3,250	3,800	4,050	3,400	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	3,300	3,900	4100
	A40/45/50/N500	5000	2,450	5,899	6,229	1,539	1,209	555	6/6	3,050	3,400	3,800	3,200	3,800	4,000
	A40/45/50/N540	5400	2,585	6,300	6,630	1,664	1,334	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	1,574	555	6/6	2,400	2,800	3,150	2,500	3,000	3,400
	A40/45/50/N650	6,500	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	8414	8,115	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		CPCD40	CPCD45	CPCD50
1.2	Powertrain: electric (battery or grid), diesel, gasoline, manual		Diesel	Diesel	Diesel
1.4	Type of operation		Seated	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	6,350	6,550	6,800
2.2	Axle load, front/rear	kg	8,850/1,500	9,700/1,350	10,500/1,300
2.3	Axle load, unloaded front/rear	kg	2,900/3,450	2,900/3,650	2,900/3,900
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)	3050	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	2250	2250
4.12	Hitch height	h10 (mm)	390	390	390
4.19	Overall length	l1 (mm)	4305	4305	4305
4.20	Length to the front of the forks	l2 (mm)	3235	3235	3235
4.21	Overall width	b1 (mm)	1480/1480	1480/1490	1480/1490
4.22	Fork dimensions	L/W/H (mm)	1070/150/50	1070/150/50	1070/150/50
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	m² (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, loaded / unloaded	km/h	21/22	21/22	21/22
5.2	Lifting speed, loaded / unloaded	mm/s	450/500	450/500	450/500
5.3	Lowering speed, with load/unloaded	mm/s	410/430	400/430	400/430
5.6	Maximum tensile force, loaded/unloaded, mechanical drive	kN	35/22	35/22	35/22
5.6a	Max. tensile force under load/unloaded with hydrodynamic drive	kN	35/22	35/22	35/22
5.7	Maximum Grade, Loaded/Unloaded S2 Mechanical Drive	%	22/20	22/20	22/20
5.7a	Max. gradient performance, loaded/unloaded S2 hydrodynamic drive	%	22/20	22/20	22/20
5.10	Service brake		Hydraulic	Hydraulic	Hydraulic
Engine					
7.2	Engine Power (ISO 1585)	kW	55.8	55.8	55.8
7.3	Rated speed	rpm	2,300	2,300	2,300
7.4	Number of cylinders/displacement	cm³	4/2,970	4/2,970	4/2,970
7.5a	Maximum torque	N·m/rpm	320/1,200–1,600	320/1,200–1,600	320/1,200–1,600
7.9	Rated voltage	V	12	12	12
7.10	Battery capacity	V/Ah	12/120	12/120	12/120
Additional Information					
8.1	Transmission Type		Mechanical (hydrodynamic)		
8.2	Forward/Reverse Speed		2/1	2/1	2/1
8.3	Shift mode		Mechanical (hydraulic)		
Additional Information					
10.1	Operating pressure for accessories	MPa	18.5	18.5	18.5
10.2	Oil volume for attachments	L/min	60	60	60
10.4	Fuel tank capacity	L	90	90	90
10.8	DIN 15170 Tension Shaft Specification		35	35	35



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