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NOBLELIFT

A Series large-tonnage high-voltage lithium-ion forklift

CPD60/70/80/80L/90/100/100L

6000-10000 kg Capacity
326.4V/336V Li-ion



- Capacity 6000-10000KG
- 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!**

A Series large-tonnage high-voltage lithium-ion forklift

6.0/7.0/8.0/9.0/10.0t

The A Series large-tonnage, high-voltage lithium-ion forklift is a new energy forklift developed based on the Noblelift internal combustion forklift architecture and lithium-ion battery technology. While maintaining the optimized design of the electric counterbalance family, some key components are shared with internal combustion forklifts. It surpasses traditional electric forklifts in overall vehicle performance, ergonomics, reliability, maintenance, outdoor operation capabilities, and load capacity, meeting customer needs for internal combustion forklifts.

Stylish appearance

- Adopting the A series family facial makeup, streamlined shape, smooth lines, beautiful and generous.
- The vehicle has a simple appearance and strong lines.
- All exposed parts are made of metal, which is firm and reliable.

Powerful performance

- Adopting a 336V high-voltage platform, permanent magnet synchronous technology, and an automotive-grade three-electric system, the vehicle boasts improved performance, lower energy consumption, and greater safety.
- It can meet the performance requirements of internal combustion forklifts, with a lifting speed of 380mm/s at a full load of 10 tons, a full load speed of 29km/h, and a full load climbing grade of 22%.
- The vehicle's ground clearance is increased, improving its passability. The lithium battery capacity ranges from 202Ah to 302Ah, depending on the customer's operating conditions. (Electric heating is standard, and a thermal management system is optional).
- The mast is widened and the three-stage mast pipeline is optimized, providing a better field of view; the distance between the fork frame rollers is increased, reducing the mast failure rate.
- Optimize the matching of hydraulic and electronic control systems, the mast raising and lowering speeds are faster, and work efficiency is improved.
- The body system, mast system, steering system, control system and drive axle are common to those of internal combustion forklifts.





Ergonomics

- Ergonomic design increases driver legroom and headroom, broadens operating field of view, and the small-diameter steering wheel improves operating comfort.
- Enlarged boarding steps and handrails make boarding and exiting more convenient.
- Adopt streamlined integral hood to reduce noise.

Internal combustion conditions

- Internal combustion forklift test standards, with enhanced test intensity higher than that of traditional electric forklifts.
- Smooth driving and large tire design, suitable for outdoor operation requirements.
- The overall performance of the vehicle is superior to that of internal combustion forklifts and can meet the needs of heavy-duty operations.
- The standard reinforced mast can meet the requirements of heavy working conditions such as stone and port.

Safe and reliable

- The two-in-one motor and electronic control system uses liquid cooling technology and is located away from the hydraulic oil tank. The radiator is located at the counterweight vent, significantly improving the thermal balance of the vehicle.
- Reinforced steering axle and steering kingpin adopt tapered roller bearings to improve vehicle reliability.
- Optimize the layout and direction of the hydraulic pipeline, increase the pipe diameter, and use 24-cone seals on the pipe joints to reduce hydraulic leakage.
- Standard hydraulic oil radiator and low-noise screw pump ensure reliable operation of the hydraulic system.

Convenient maintenance

- The front and rear floor panels can be opened without tools, improving the convenience of daily maintenance and repair.

Intelligent, safe, and reliable

Large angle hood



The front and rear floor panels can be opened without tools, improving the convenience of daily maintenance and repair.

Design of new high-voltage electrical system



The electrical system has high voltage interlocking and real-time insulation monitoring, which is safe and reliable.

Reinforced components



It adopts the drive axle, steering axle and tires of internal combustion vehicles, which can meet the requirements of high-intensity working conditions.

Full vehicle LED lighting system



The entire vehicle's LED lighting system reduces energy consumption by 95%, providing better nighttime visibility and greater safety.

High voltage fuse



MSD maintenance switch, cuts off the power supply to the entire vehicle with one click.

Standard hydraulic oil radiator



Standard hydraulic oil radiator and low-noise screw pump ensure the reliable operation of the hydraulic system.

Smart interactive instrument

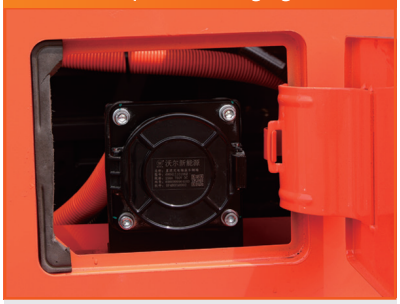


Intelligent color screen instrument, real-time control of vehicle status.

LI-ION TECHNOLOGY V336 LITHIUM-ION

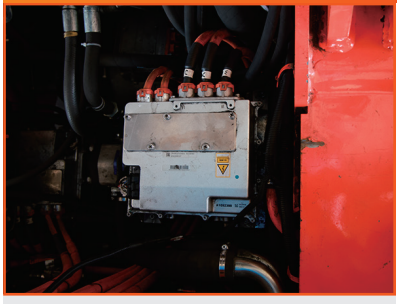
- Fast charging
- Charge and use
- Powerful
- Longevity
- Maintenance-free
- High security
- Zero emissions
- Suitable for high and low temperatures

Super fast charging



Super fast charging, fully charged in 1.5 hours (compatible with electric vehicle charging stations).

Permanent magnet synchronous system



It adopts a 336V high-voltage platform, permanent magnet synchronous technology, and an automotive-grade three-electric system; the vehicle has better performance, lower energy consumption, and is safer to use.

Liquid cooling system



The two-in-one motor and electronic control system uses liquid cooling technology and is arranged away from the hydraulic oil tank; the radiator counterweight vents; the thermal balance of the entire vehicle is greatly improved.

A Series large-tonnage high-voltage lithium-ion forklift Mast Parameters Table

Desig-nation	Mast table	Lift height	Mast height			Free lift						Front overhang			Tilt angle	Load capacity		
			Closed mast height	Extended mast height		Without load backrest			With load backrest							Capacity table(kg) C=600mm without attachment		
				Without load backrest	With load backrest											Double tire		
			mm	mm	mm	mm			mm			mm			forward/ backward	6t	7t	8t
		mm	6t/7t/8t	6t/7t/8t	6t/7t/8t	6t	7t	8t	6t	7t	8t	6t	7t	8t	(°)	kg	kg	kg
Two-stage ZT	A60/70/80/M250	2500	2250	3850	4170	155	160	165	155	160	165	575	580	585	6/12	6000	7000	8000
	A60/70/80/M270	2700	2350	3950	4270	155	160	165	155	160	165	575	580	585	6/12	6000	7000	8000
	A60/70/80/M300	3000	2500	4100	4420	155	160	165	155	160	165	575	580	585	6/12	6000	7000	8000
	A60/70/80/M330	3300	2650	4250	4570	155	160	165	155	160	165	575	580	585	6/12	6000	7000	8000
	A60/70/80/M350	3500	2750	4350	4670	155	160	165	155	160	165	575	580	585	6/12	6000	7000	8000
	A60/70/80/M375	3750	2875	4475	4795	155	160	165	155	160	165	575	580	585	6/12	6000	7000	8000
	A60/70/80/M400	4000	3050	4650	4970	155	160	165	155	160	165	575	580	585	6/12	6000	7000	8000
	A60/70/80/M425	4250	3175	4775	5095	155	160	165	155	160	165	575	580	585	6/12	6000	7000	8000
	A60/70/80/M450	4500	3300	4900	5220	155	160	165	155	160	165	575	580	585	6/12	6000	7000	8000
	A60/70/80/M475	4750	3425	5025	5345	155	160	165	155	160	165	575	580	585	6/6	6000	7000	8000
	A60/70/80/M500	5000	3550	5150	5470	155	160	165	155	160	165	575	580	585	6/6	6000	7000	8000
	A60/70/80/M550	5500	3850	5450	5770	155	160	165	155	160	165	575	580	585	6/6	6000	6600	7600
	A60/70/80/M600	6000	4100	5700	6020	155	160	165	155	160	165	575	580	585	6/6	5400	6300	7000
	A60/70/80/M650	6500	4450	6050	6370	155	160	165	155	160	165	575	580	585	6/6	5000	6000	6500
Two-stage Full Free Lift	A60/70/80/U250	2500	2250	3750	3750	1250			840			575	580	585	6/12	6000	7000	8000
	A60/70/80/U270	2700	2350	3950	3950	1350			940			575	580	585	6/12	6000	7000	8000
	A60/70/80/U300	3000	2500	4250	4250	1500			1090			575	580	585	6/12	6000	7000	8000
	A60/70/80/U330	3300	2650	4550	4550	1650			1240			575	580	585	6/12	6000	7000	8000
	A60/70/80/U350	3500	2750	4750	4750	1750			1340			575	580	585	6/12	6000	7000	8000
	A60/70/80/U375	3750	2875	5000	5000	1875			1465			575	580	585	6/12	6000	7000	8000
	A60/70/80/U400	4000	3050	5250	5250	2050			1590			575	580	585	6/12	6000	7000	8000
	A60/70/80/U425	4250	3175	5500	5500	2175			1715			575	580	585	6/12	6000	7000	8000
	A60/70/80/U450	4500	3300	5750	5750	2300			1840			575	580	585	6/12	6000	7000	8000
	A60/70/80/U475	4750	3425	6000	6000	2425			1965			575	580	585	6/6	6000	7000	8000
	A60/70/80/U500	5000	3550	6250	6250	2550			2090			575	580	585	6/6	5700	6600	7600
	A60/70/80/U550	5500	3850	6750	6750	2850			2340			575	580	585	6/6	5400	6300	7000
	A60/70/80/U600	6000	4100	7250	7250	3100			2590			575	580	585	6/6	5000	6000	6500
Three-stage Full Free Lift	A60/70/80/N360	3600	2325	4850	4850	1230			910			635	640	645	6/12	5600	6200	7200
	A60/70/80/N400	4000	2450	5250	5250	1360			1040			635	640	645	6/12	5600	6200	7200
	A60/70/80/N435	4350	2575	5600	5600	1470			1150			635	640	645	6/12	5600	6200	7200
	A60/70/80/N450	4500	2630	5750	5750	1520			1200			635	640	645	6/6	5600	6200	7200
	A60/70/80/N480	4800	2730	6050	6050	1630			1310			635	640	645	6/6	5600	6200	7200
	A60/70/80/N500	5000	2795	6250	6250	1700			1380			635	640	645	6/6	5600	6200	7200
	A60/70/80/N550	5500	2960	6750	6750	1890			1570			635	640	645	6/6	5400	6200	7200
	A60/70/80/N600	6000	3125	7250	7250	2030			1710			635	640	645	6/6	5100	5600	6300
	A60/70/80/N650	6500	3395	7750	7750	2295			1975			635	640	645	6/6	4600	5000	5500
	A60/70/80/N700	7000	3500	8250	8250	2405			2085			635	640	645	6/6	3800	4000	4500

A Series large-tonnage high-voltage lithium-ion forklift Performance Parameters Table

NO.20260311

Identification	1.1	Manufacture(abbreviation)		NOBLELIFT	NOBLELIFT	NOBLELIFT
	1.2	Manufacturer's type designation		CPD60-AH3H	CPD70-AH3H	CPD80X-AH3H
	1.3	Drive:electric(battery or mains),diesel,petrol gas,manual)		li-ion battery	li-ion battery	li-ion battery
	1.4	Type of operation(hand,pedestrian,standing,seated,order-picker)		Seated	Seated	Seated
	1.5	Load capacity/rated load	Q(kg)	6000	7000	8000
	1.6	Load centre distance	c (mm)	600	600	600
	1.8	Load distance,centre of drive axle to fork	x (mm)	580	585	605
	1.9	wheelbase	y (mm)	2400	2400	2400
Weights	2.1	Service weight incl	kg	9050	9700	10800
	2.2	Axle loading ,laden front/rear	kg	13450/1600	14900/1800	16400/2400
	2.3	Axle loading,unladen front/rear	kg	4250/4800	4350/5350	4500/6300
Wheels、Chassis	3.1	Type:solid rubber,superelastic,pneumatic,polyurethane		Pneumatic tire	Pneumatic tire	Solid tyres
	3.2	Tyres size,front		8.25-15-14PR	8.25-15-14PR	8.25-15
	3.3	Tyres size,rear		8.25-15-14PR	8.25-15-14PR	8.25-15
	3.5	Wheels,number front/rear(×=driven wheels)		4X/2	4X/2	4X/2
	3.6	Track width,front	b10 (mm)	1470	1470	1470
	3.7	Track width,rear	b11 (mm)	1700	1700	1700
Basic Dimemsions	4.1	Mast/fork carriage tilt forward/backward	α/β(°)	6/12	6/12	6/12
	4.2	lowered mast height	h1(mm)	2500	2500	2500
	4.3	Free lift	h2(mm)	160	165	165
	4.4	Lift height	h3(mm)	3000	3000	3000
	4.4a	Lift height (Including cargo fork)	h23(mm)	3060	3065	3065
	4.5	Extended mast height	h4(mm)	4400	4400	4400
	4.7	Overhead load guardheight	h6(mm)	2460	2460	2460
	4.8	Seat height/standing height	h7(mm)	1430	1430	1430
	4.12	Coupling height	h10(mm)	390	390	390
	4.19	Overall length (Including cargo fork)	l1(mm)	5190	5190	5200
	4.20	Overall length	l2(mm)	3670	3670	3680
	4.21	Overall width (Frame/tires)	b1(mm)	1995	1995	1995
	4.22	Fork dimensions	s/e/l(mm)	60/150/1520	65/150/1520	75/150/1520
	4.23	Fork mounting grade		4A	4A	4A
	4.24	Width of fork rack	b3(mm)	1845	1845	1845
	4.31	Ground clearance ,laden,under mast	m1(mm)	200	200	200
	4.32	Ground clearance,centre of wheelbase	m2(mm)	240	240	240
	4.34.1	Aisle width for pallets 1000×1200 crossways	Ast(mm)	5350	5350	5370
	4.34.2	Aisle width for pallets 800×1200 lengthways	Ast(mm)	5550	5550	5570
	4.35	Turning radius	Wa (mm)	3350	3350	3350
	4.36	Inside turning radius	b13(mm)	250	250	250
Performance Data	5.1	Travel speed,laden/unladen	km/h	28/30	28/30	28/30
	5.2	Lift speed,laden/unladen Two stage gantry	mm/s	500/560	500/560	480/540
	5.3	lowering speed,laden/unladen Two stage gantry	mm/s	400/380	400/380	400/380
	5.6	Max.Drawbar pull ,laden/unladen mechanical drive	kN	70/40	70/40	70/40
	5.7	Max.Gradient performance,laden/unladen S2 mechanical drive	%	22/20	22/20	22/20
	5.10	Service brake		Hydraulic	Hydraulic	Hydraulic
	5.11	Parking braking		Mechanical	Mechanical	Mechanical
Battery	6.1	Battery voltage/capacity	V/Ah	326.4/250	326.4/250	326.4/250
	6.2	Battery weight	kg	600	600	600
Motors and controllers	7.1	Drive motor power S2-60min	kw	60	60	60
	7.2	Lifting motor power S3-15min	kw	35×2	35×2	35×2
	7.3	Drive motor control mode		IGBT/PMSM	IGBT/PMSM	IGBT/PMSM
	7.4	Lifting motor control mode		IGBT/PMSM	IGBT/PMSM	IGBT/PMSM
	7.5	Controller type		Hi380-307430	Hi380-307430	Hi380-307430
Other Details	10.1	Operating pressure for attachments	Mpa	23	23	23
	10.2	Oil volume for attachments	L/min	80	80	80
	10.4	Fuel tank volume	L	140	140	140
	10.7	Driver's ear noise,According to EN 12053	dB	74	74	74
	10.8	Traction pin specification DIN 15170		40	40	40

A Series large-tonnage high-voltage lithium-ion forklift Mast Parameters Table

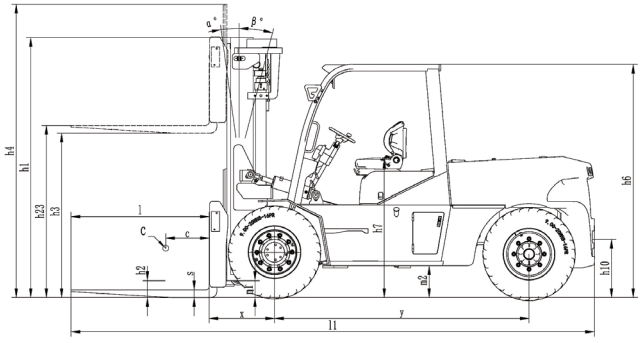
Desig-nation	Mast table	Lift height	Mast height						Free lift				Front overhang		Tilt angle	Lifting capacity (load center distance)			
			Closed mast height		Extended mast height				Without load backrest		With load backrest					900mm	600mm		
					Without load backrest		With load backrest									Dual tires			
			mm		mm		mm		mm		mm		mm		forward/ backward	Large 8t	9t	10t	Large 10t
		mm	Large 8t/ 9t/10t	Large 10t	Large 8t/9t/10t	Large 10t	Large 8t/9t/10t	Large 10t	Large 8t/9t/10t	Large 10t	Large 8t/9t/10t	Large 10t	Large 8t/9t/10t	Large 10t	(°)	kg	kg	kg	kg
Two-stage ZT	A80/90/100/M250	2500	2450	2600	3750	3750	3750	3750	190		200		700	710	6/12	8000	9000	10000	10000
	A80/90/100/M270	2700	2550	2700	3950	3950	3950	3950	190		200		700	710	6/12	8000	9000	10000	10000
	A80/90/100/M300	3000	2700	2850	4250	4250	4250	4250	190		200		700	710	6/12	8000	9000	10000	10000
	A80/90/100/M330	3300	2850	3000	4550	4550	4550	4550	190		200		700	710	6/12	8000	9000	10000	10000
	A80/90/100/M350	3500	2950	3100	4750	4750	4750	4750	190		200		700	710	6/12	8000	9000	10000	10000
	A80/90/100/M375	3750	3075	3225	5000	5000	5000	5000	190		200		700	710	6/12	8000	9000	10000	10000
	A80/90/100/M400	4000	3250	3400	5250	5250	5250	5250	190		200		700	710	6/12	8000	9000	10000	10000
	A80/90/100/M425	4250	3375	3525	5500	5500	5500	5500	190		200		700	710	6/12	7500	9000	10000	10000
	A80/90/100/M450	4500	3500	3650	5750	5750	5750	5750	190		200		700	710	6/12	7000	8500	9500	10000
	A80/90/100/M475	4750	3625	3775	6000	6000	6000	6000	190		200		700	710	6/6	6500	8000	9000	9500
	A80/90/100/M500	5000	3750	3900	6250	6250	6250	6250	190		200		700	710	6/6	6000	7800	8500	9000
	A80/90/100/M550	5500	4050	4200	6750	6750	6750	6750	190		200		700	710	6/6	5500	7500	8000	8500
	A80/90/100/M600	6000	4300	4450	7250	7250	7250	7250	190		200		700	710	6/6	5000	7300	7500	8000
	A80/90/100/M650	6500	4650	4700	7750	7750	7750	7750	190		200		700	710	6/6	4500	6800	7000	7500
Two-stage Full Free Lift	A80/90/100/U250	2500	2450	2600	3750	3750	3750	3750	1250		1215		700	710	6/12	8000	9000	10000	10000
	A80/90/100/U270	2700	2550	2700	3950	3950	3950	3950	1350		1315		700	710	6/12	8000	9000	10000	10000
	A80/90/100/U300	3000	2700	2850	4250	4250	4250	4250	1500		1465		700	710	6/12	8000	9000	10000	10000
	A80/90/100/U330	3300	2850	3000	4550	4550	4550	4550	1650		1615		700	710	6/12	8000	9000	10000	10000
	A80/90/100/U350	3500	2950	3100	4750	4750	4750	4750	1750		1715		700	710	6/12	8000	9000	10000	10000
	A80/90/100/U375	3750	3075	3225	5000	5000	5000	5000	1875		1840		700	710	6/12	8000	9000	10000	10000
	A80/90/100/U400	4000	3250	3400	5250	5250	5250	5250	2050		2015		700	710	6/12	8000	9000	10000	10000
	A80/90/100/U425	4250	3375	3525	5500	5500	5500	5500	2175		2140		700	710	6/12	7500	9000	10000	10000
	A80/90/100/U450	4500	3500	3650	5750	5750	5750	5750	2300		2265		700	710	6/12	7000	8500	9500	10000
	A80/90/100/U475	4750	3625	3775	6000	6000	6000	6000	2425		2390		700	710	6/6	6500	8000	9000	9500
	A80/90/100/U500	5000	3750	3900	6250	6250	6250	6250	2550		2515		700	710	6/6	6000	7800	8500	9000
	A80/90/100/U550	5500	4050	4200	6750	6750	6750	6750	2850		2815		700	710	6/6	5500	7500	8000	8500
	A80/90/100/U600	6000	4300	4450	7250	7250	7250	7250	3100		3065		700	710	6/6	5000	7300	7500	8000
Three-stage Full Free Lift	A80/90/100/N360	3600	2450	2500	4850	4850	4850	4850	1200		1150		740	750	6/12	6700	8000	9000	9500
	A80/90/100/N400	4000	2575	2680	5250	5250	5250	5250	1330		1280		740	750	6/12	6700	8000	9000	9500
	A80/90/100/N435	4350	2700	2800	5600	5600	5600	5600	1450		1400		740	750	6/12	6700	8000	9000	9500
	A80/90/100/N450	4500	2750	2850	5750	5750	5750	5750	1500		1450		740	750	6/6	6700	8000	9000	9500
	A80/90/100/N480	4800	2850	2950	6050	6050	6050	6050	1600		1550		740	750	6/6	6700	8000	9000	9500
	A80/90/100/N500	5000	2950	3015	6250	6250	6250	6250	1700		1615		740	750	6/6	6500	8000	9000	9500
	A80/90/100/N550	5500	3075	3205	6750	6750	6750	6750	1830		1805		740	750	6/6	6100	7500	8000	8500
	A80/90/100/N600	6000	3375	3405	7250	7250	7250	7250	2130		2005		740	750	6/6	5500	7000	7500	8000
	A80/90/100/N650	6500	3600	3480	7750	7750	7750	7750	2350		2170		740	750	6/6	5000	6500	7000	7500
	A80/90/100/N700	7000	3750	3835	8250	8250	8250	8250	2500		2435		740	750	6/6	4000	5600	6000	7000

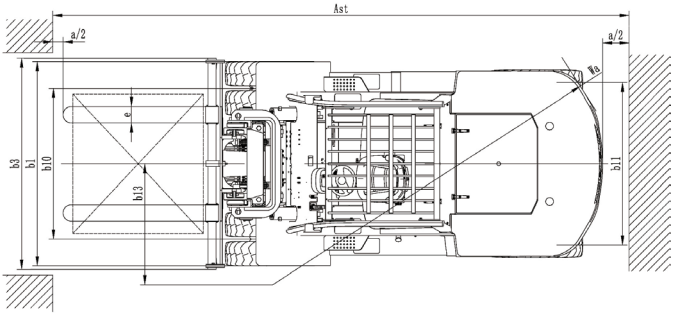
A Series large-tonnage high-voltage lithium-ion forklift Performance Parameters Table

NO.20260311

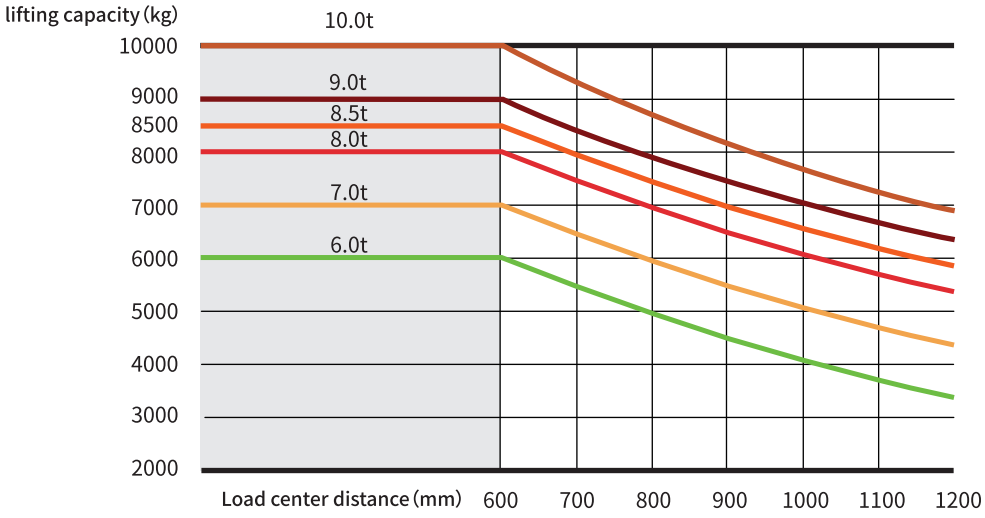
Identification	1.1	Manufacture(abbreviation)		NOBLELIFT	NOBLELIFT	NOBLELIFT	NOBLELIFT
	1.2	Manufacturer's type designation		CPD80L-AH3H	CPD90-AH3H	CPD100-AH3H	CPD100L-AH3H
	1.3	Drive:electric(battery or mains),diesel,petrol gas,manual)		li-ion battery	li-ion battery	li-ion battery	li-ion battery
	1.4	Type of operation(hand,pedestrian,standing,seated,order-picker)		Seated	Seated	Seated	Seated
	1.5	Load capacity/rated load	Q(kg)	8000	9000	10000	10000
	1.6	Load centre distance	c (mm)	900	600	600	600
	1.8	Load distance,centre of drive axle to fork	x (mm)	700	700	710	710
	1.9	wheelbase	y (mm)	2600	2600	2600	2800
Weights	2.1	Service weight incl	kg	13200	13200	13900	13900
	2.2	Axle loading ,laden front/rear	kg	19100/2100	20000/2200	21550/2350	21350/2550
	2.3	Axle loading,unladen front/rear	kg	6000/6500	6500/6700	6500/7400	6600/7300
Wheels、Chassis	3.1	Type:solid rubber,superelastic,pneumatic,polyurethane		Pneumatic tire	Pneumatic tire	Pneumatic tire	Pneumatic tire
	3.2	Tyres size,front		9.00-20-14PR	9.00-20-14PR	9.00-20-14PR	9.00-20-14PR
	3.3	Tyres size,rear		9.00-20-14PR	9.00-20-14PR	9.00-20-14PR	9.00-20-14PR
	3.5	Wheels,number front/rear(×=driven wheels)		4X/2	4X/2	4X/2	4X/2
	3.6	Track width,front	b10 (mm)	1600	1600	1600	1600
	3.7	Track width,rear	b11 (mm)	1720	1720	1720	1720
Basic Dimemsions	4.1	Mast/fork carriage tilt forward/backward	α/β(°)	6/12	6/12	6/12	6/12
	4.2	lowered mast height	h1(mm)	2700	2700	2700	2850
	4.3	Free lift	h2(mm)	190	190	190	200
	4.4	Lift height	h3(mm)	3000	3000	3000	3000
	4.4a	Lift height (Including cargo fork)	h23(mm)	3070	3070	3070	3080
	4.5	Extended mast height	h4(mm)	4250	4250	4250	4400
	4.7	Overhead load guardheight	h6(mm)	2560	2560	2560	2560
	4.8	Seat height/standing height	h7(mm)	1470	1470	1470	1470
	4.12	Coupling height	h10(mm)	480	480	480	480
	4.19	Overall length (Including cargo fork)	l1(mm)	5860	5710	5720	5920
	4.20	Overall length	l2(mm)	4040	4040	4050	4250
	4.21	Overall width (Frame/tires)	b1(mm)	2165/2165	2165/2165	2165/2165	2165/2165
	4.22	Fork dimensions	s/e/l(mm)	70/175/1820	70/175/1670	80/175/1670	80/175/1670
	4.23	Fork mounting grade		5A	5A	5A	5A
	4.24	Width of fork rack	b3(mm)	2100	2100	2100	2200
	4.31	Ground clearance ,laden,under mast	m1(mm)	250	250	250	250
	4.32	Ground clearance,centre of wheelbase	m2(mm)	330	330	330	330
	4.34.1	Aisle width for pallets 1000×1200 crossways	Ast(mm)	5600	5600	5600	5810
	4.34.2	Aisle width for pallets 800×1200 lengthways	Ast(mm)	5800	5800	5800	6010
	4.35	Turning radius	Wa (mm)	3700	3700	3700	3900
	4.36	Inside turning radius	b13(mm)	1100	1100	1100	1100
Performance Data	5.1	Travel speed,laden/unladen	km/h	29/30	29/30	29/30	29/30
	5.2	Lift speed,laden/unladen Two stage gantry	mm/s	440/520	420/520	400/520	380/470
	5.3	lowering speed,laden/unladen Two stage gantry	mm/s	400/380	400/380	400/380	400/380
	5.6	Max.Drawbar pull ,laden/unladen mechanical drive	kN	70/40	70/40	70/40	70/40
	5.7	Max.Gradient performance,laden/unladen S2 mechanical drive	%	25/23	24/22	23/21	22/20
	5.10	Service brake		Hydraulic	Hydraulic	Hydraulic	Hydraulic
	5.11	Parking braking		Mechanical	Mechanical	Mechanical	Mechanical
Battery	6.1	Battery voltage/capacity	V/Ah	336/280	336/280	336/280	336/280
	6.2	Battery weight	kg	750	750	750	750
Motors and controllers	7.1	Drive motor power S2-60min	kw	60	60	60	60
	7.2	Lifting motor power S3-15min	kw	35×2	35×2	35×2	35×2
	7.3	Drive motor control mode		IGBT/PMSM	IGBT/PMSM	IGBT/PMSM	IGBT/PMSM
	7.4	Lifting motor control mode		IGBT/PMSM	IGBT/PMSM	IGBT/PMSM	IGBT/PMSM
	7.5	Controller type		Hi380-307430	Hi380-307430	Hi380-307430	Hi380-307430
Other Details	10.1	Operating pressure for attachments	Mpa	21	21	21	21
	10.2	Oil volume for attachments	L/min	80	80	80	80
	10.4	Fuel tank volume	L	140	140	140	140
	10.7	Driver's ear noise,According to EN 12053	dB	75	75	75	75
	10.8	Traction pin specification DIN 15170		40	40	40	40

Structure diagram





Load curve diagram



Lithium battery configuration table

Capacity (Ah/5h)	Large 8-10t	Power kWh
326.4V/202	○	66
326.4V/250	○	82
336V/280	●	94
347.7V/302 (CATL)	○	106

Capacity (Ah/5h)	Large 6-8t	Power kWh
326.4V/150	○	49
326.4V/202	○	66
326.4V/250	●	82
328.4V/268 (CATL)	○	88

●:standard ○:optional / :This option is not available

Charger Configuration Table

Input voltage three-phase 380V (five-core industrial plug)

Capacity (Ah/5h)	6-8t	Large 8-10t	Note
50A	○	○	
100A	●	○	
150A	○	●	
250A	○	○	Featuring CATL batteries

●:standard ○:optional / :This option is not available

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