



CPD20/25/30/35/38

LITHIUM-ION ELECTRIC FORKLIFT



Ergonomic



Compliance with
Environment



Maintenance
Easy



Design
Durable



Capacity
2,500 kg



High
Performance



Best value
value for money

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

CPD20/25/30/35/38 - PRODUCT OVERVIEW

// Professional Lithium-Ion Electric Forklift

The CPD line of lithium-ion electric forklifts developed by Nobelift 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 simplified thanks to CAN-bus technology.

CAN-bus



CPD20/25/30/35/38 - 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.

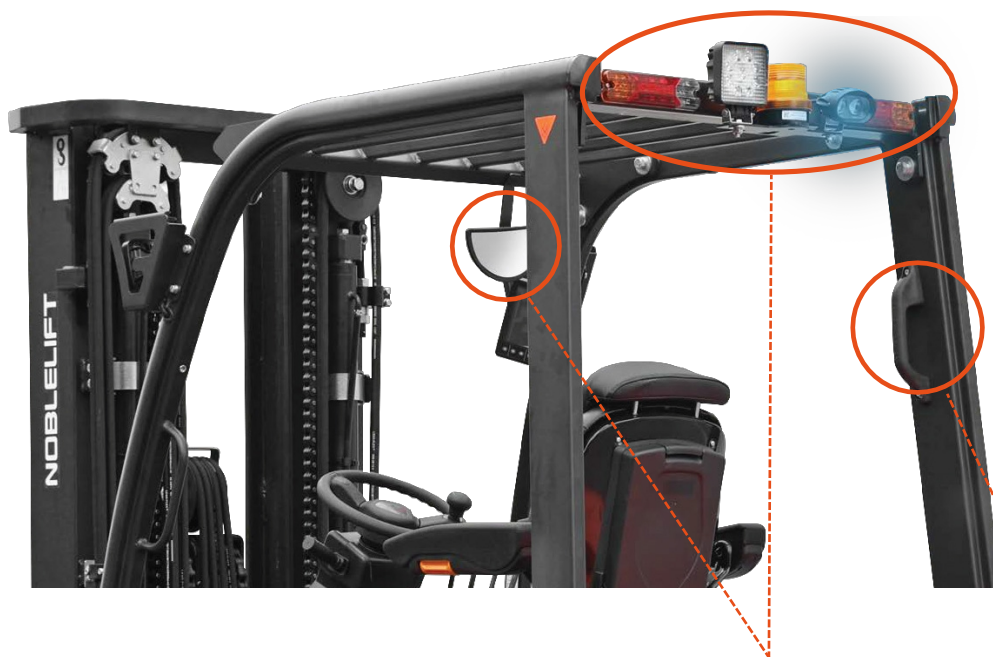


The shock absorption system protects the load from the ground when the forks are lowered. Integrated side shift Allows for precise fork positioning. Large-diameter, soft solid tires ensure a stable and comfortable ride.



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.

CPD20/25/30/35/38 - PRODUCT SPECIFICATIONS



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

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 when reversing.

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.

CPD20/25/30/35/38 - 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.

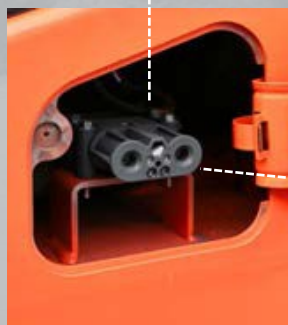
// The Benefits of Lithium

The maintenance-free lithium battery fully recharges in 2–3 hours.

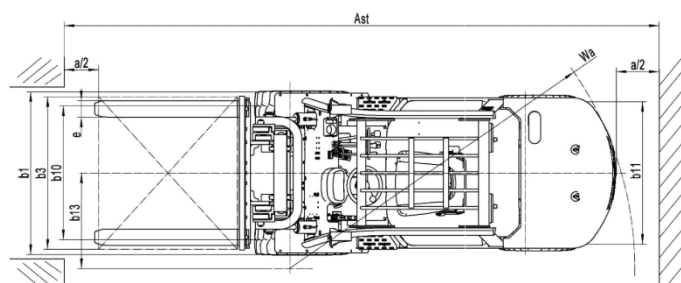
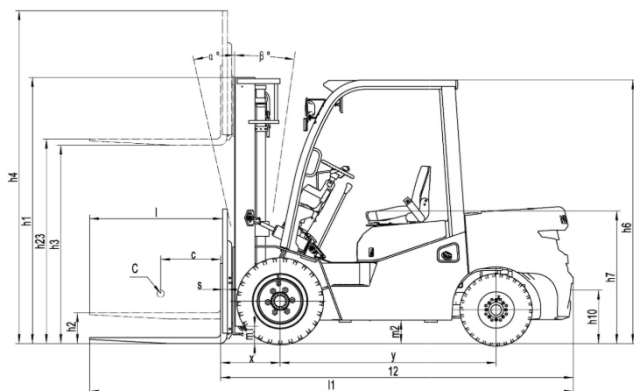
It can be recharged at any time—during breaks or shift changes—enabling continuous operation over multiple cycles. No battery replacement is necessary.

// 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

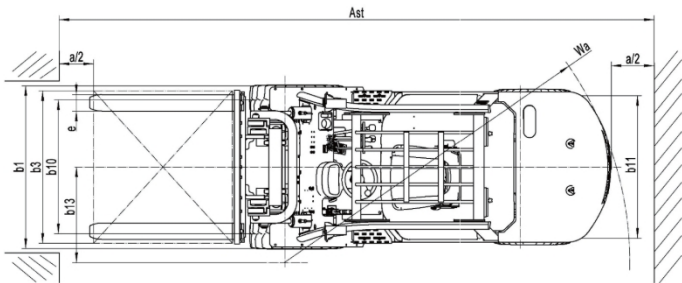
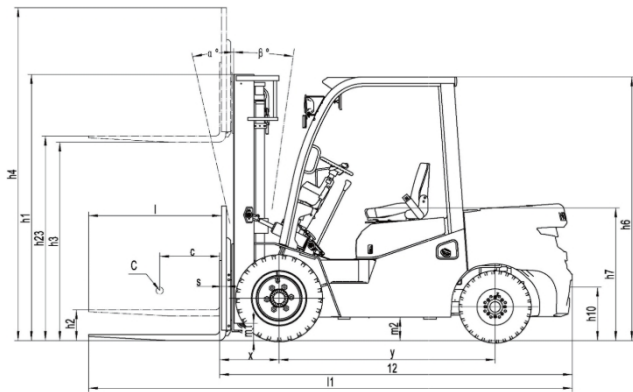


Designation	Mast Table	Lifting Height (mm)	Mast Height			Free lift		Front counterbalance (mm)	Tilt angle front / rear (°)	Capacity			
			Folded mast height (mm)	Mast height when extended (mm)						Capacity Chart (kg) C=500 mm without accessories			
				without load support	with load backrest	without load backrest	with load backrest			Single tire		Dual tire	
										2 T	2.5 T	2 metric tons	2.5 metric tons
Duplex	A20/25/M200	2000	1,615	2,635	3,045	140	140	465	6/12	2,000	2,500	2,000	2,500
	A20/25/M250	2500	1,745	3,135	3,545	140	140	465	6/12	2,000	2,500	2,000	2,500
	A20/25/M270	2700	1,895	3,335	4,045	140	140	465	6/12	2000	2,500	2,000	2,500
	A20/25/M300	3,000	1,945	3,635	4,045	140	140	465	6/12	2000	2,500	2,000	2,500
	A20/25/M330	3,300	2,145	3,935	4,345	140	140	465	6/12	2000	2,500	2,000	2,500
	A20/25/M350	3,500	2,245	4,135	4,545	140	140	465	6/12	2,000	2,500	2,000	2,500
	A20/25/M360	3600	2,345	4,235	4,645	140	140	465	6/12	2000	2,500	2,000	2,500
	A20/25/M370	3,700	2,395	4,335	4,745	140	140	465	6/12	2,000	2,500	2,000	2,500
	A20/25/M380	3,800	2,445	4435	4845	140	140	465	6/12	2,000	2,500	2,000	2,500
	A20/25/M400	4,000	2,595	4,635	5,045	140	140	465	6/6	1900	2,300	2,000	2,500
	A20/25/M430	4300	2745	4,935	5,345	140	140	465	6/6	1,800	2,100	1950	2,450
	A20/25/M450	4,500	2,845	5,135	5,545	140	140	465	6/6	1,700	2,000	1,900	2,400
	A20/25/M480	4,800	2995	5,435	5,845	140	140	465	6/6	1,500	1,700	1,700	2,100
	A20/25/M500	5,000	3,095	5,635	6,045	140	140	465	6/6	1,400	1,600	1,600	2,000
	A20/25/M550	5,500	3,345	6,135	6,545	140	140	465	3/6	1,300	1,400	1,500	1,800
	A20/25/M600	6,000	3,595	6,635	7,045	140	140	465	3/6	1,000	1,050	1,400	1,600
Duplex with Large Open Floor Plan	A20/25/U250	2,500	1,810	3,170	3,545	1,140	760	465	6/12	2,000	2,500	2,000	2,500
	A20/25/U270	2,700	1,910	3,370	3,745	1,240	860	465	6/12	2,000	2,500	2,000	2,500
	A20/25/U300	3,000	2010	3,670	4,045	1,340	960	465	6/12	2,000	2,500	2,000	2,500
	A20/25/U330	3,300	2,160	3,970	4,345	1,490	1,110	465	6/12	2000	2,500	2,000	2,500
	A20/25/U360	3,600	2,310	4,270	4,645	1,640	1,260	465	6/12	2000	2,500	2,000	2,500
	A20/25/U400	4,000	2,560	4,670	5,045	1,890	1,510	465	6/12	1900	2,300	2000	2,500
Triplex with large free stroke	A20/25/N400	4000	1955	4,695	5,055	1,270	910	475	6/6	1,800	2,100	1950	2,450
	A20/25/N430	4,300	2055	4,995	5,355	1,370	1,010	475	6/6	1,700	2000	1900	2,400
	A20/25/N450	4,500	2125	5,245	5,605	1,440	1,080	475	6/6	1,600	1900	1,800	2,300
	A20/25/N480	4,800	2,225	5,495	5,855	1,540	1,180	475	6/6	1,500	1,700	1,700	2,200
	A20/25/N500	5,000	2,290	5,695	6,055	1,605	1,245	475	6/6	1,400	1600	1,600	2,000
	A20/25/N550	5,500	2,455	6,195	6,555	1,770	1,410	475	3/6	1,050	1,200	1,500	1,800
	A20/25/N600	6,000	2,630	6,705	7,055	1990	1,630	475	3/6	700	800	1,200	1,500
	A20/25/N650	6,500	2,875	7,195	7,555	2,165	1,805	475	3/6	\	\	1,300	1,450
	A20/25/N700	7,000	3,055	7,725	8,055	2340	2010	475	3/6	\	\	1,200	1300



Identification				
1.1	Manufacturer's Model Designation		CPD20	CPD25
1.2	Powertrain: electric (battery or grid), diesel, gasoline, manual		Lithium	Lithium
1.4	Type of operation		Seated	seated
1.5	Load capacity/rated load	Q (kg)	2000	2500
1.6	Center of gravity	c (mm)	500	500
1.8	Load distance between the center of the drive axle and the fork	x (mm)	465	465
1.9	Wheelbase	y (mm)	1660	1,660
Weight				
2.1	Operating weight with battery	kg	3,250	3,550
2.2	Axle load, front/rear	kg	4,650/600	5,350/700
2.3	Axle load, unloaded (front/rear)	kg	1,400/1,850	1,400/2,150
Wheels, chassis				
3.1	Type: solid rubber, super-elastic, pneumatic, polyurethane		Pneumatic	Pneumatic
3.2	Front tire size		7.00-12-12PR	7.00-12-12PR
3.3	Rear tire size		6.00-9-10PR	6.00-9-10PR
3.4	Number of front/rear wheels (x = driven wheels)		2X/2	2X/2
3.5	Front track width	b10 (mm)	973	973
3.6	Rear track width	b11 (mm)	980	980
Basic dimensions				
4.1	Mast/fork tilt angle (front/rear)	α/β (°)	6/12	6/12
4.2	Mast height (retracted)	h1 (mm)	1995	1995
4.3	Free lift	h2(mm)	140	140
4.4	Lifting height	h3(mm)	3000	3000
4.4a	Lifting height	h23(mm)	3040	3040
4.5	Extended mast height	h4 (mm)	4025	4025
4.7	Height of protective roof (cab)	h6 (mm)	2130	2130
4.8	Seat height / standing height	h7 (mm)	1030	1030
4.12	Hitch height	h10 (mm)	400	400
4.19	Overall length	l1 (mm)	3698	3,698
4.20	Length to the front of the forks	l2 (mm)	2628	2628
4.21	Overall width	b1 (mm)	1150/1163	1150/1163
4.22	Fork dimensions	L/W/H (mm)	1070/120/40	1070/120/40
4.23	Fork Mounting Class		3A	3A
4.24	Fork carriage width	b3 (mm)	1040	1040
4.31	Ground clearance, when loaded, under the mast	m1 (mm)	120	120
4.32	Ground clearance, center of the carriage	m2 (mm)	170	170
4.34.1	Aisle width for 1000x1200 pallets placed crosswise	Ast (mm)	3935	3935
4.34.2	Aisle width for 800x1200 pallets placed lengthwise	Ast (mm)	4135	4135
4.35	Turning radius	Wa (mm)	2270	2270
4.36	Lateral turning radius	b13 (mm)	615	615
Performance data				
5.1	Travel speed with load/unloaded	km/h	18/19	18/19
5.2	Lifting speed with load/unloaded	mm/s	500/580	500/580
5.3	Lowering speed, with load/unloaded	mm/s	400/420	400/420
5.6	Maximum tensile force, loaded/unloaded	kN	15/12	15/12
5.7	Maximum grade, loaded/unloaded S2	%	20/20	20/20
5.10	Service brake		Hydraulic	Hydraulic
5.11	Parking brake		Mechanical	Mechanical
Battery				
6.1	Battery voltage	V/Ah	80/175	80/175
6.2	Battery weight	kg	110	110
Motor and controller				
7.1	Drive motor power (S2-60 min)	kW	12	12
7.2	Hoist motor power S3-15 min	kW	18	18
7.3	Drive motor control method		MOSFET/ACIM	MOSFET/ACIM
7.4	Hoist Motor Control Mode		MOSFET/ACIM	MOSFET/ACIM
7.5	Control Type		FJ-G2-80-05	FJ-G2-80-05
Additional Information				
10.1	Working pressure for fittings	MPa	18.5	18.5
10.2	Accessory flow rate	L/min	50	50
10.4	Fuel Tank Capacity	L	70	70
10.7	Noise level at the driver's ear, according to EN 12053	dB	72	72
10.8	DIN 15170 Pivot Specifications		30	30

Desi gnati on	Mast Table	Liftin g Heig ht (mm)	Mast Height						Free lift				Front counterbalanc e (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		
			3 T	3.5/ 3.8 T	3 T	3.5/ 3.8T	3 T	3.5/ 3.8T	3 T	3.5/ 3.8T	3 T	3.5/ 3.8T	3 T	3.5/ 3.8T		3 T	3.5/ 3.8T	3 T	3.5T	3.8T	3 T
Duplex	A30/35/M200	2000	1555	1,670	2,670	2,790	3,105	3,105	145	150	145	150	480	485	6/12	3,000	3,500	3,800	3,000	3,500	3,800
	A30/35/M250	2,500	1,805	1,920	3,170	3,290	3,605	3,605	145	150	145	150	480	485	6/12	3,000	3,500	3,800	3,000	3,500	3,800
	A30/35/M270	2,700	1,905	2020	3,370	3,490	3,805	3,805	145	150	145	150	480	485	6/12	3,000	3,500	3,800	3,000	3,500	3,800
	A30/35/M300	3,000	2,055	2,170	3,670	3,790	4,105	4,105	145	150	145	150	480	485	6/12	3,000	3,500	3,800	3,000	3,500	3,800
	A30/35/M330	3300	2,205	2,320	3,970	4,090	4,405	4,405	145	150	145	150	480	485	6/12	3,000	3,500	3,800	3,000	3,500	3,800
	A30/35/M350	3500	2,305	2,420	4,170	4,290	4,605	4,605	145	150	145	150	480	485	6/12	3,000	3,500	3,800	3,000	3,500	3,800
	A30/35/M360	3600	2,405	2,470	4,270	4,390	4,705	4,705	145	150	145	150	480	485	6/12	3,000	3,500	3,800	3,000	3,500	3,800
	A30/35/M370	3700	2,455	2,520	4,370	4,490	4,805	4,805	145	150	145	150	480	485	6/12	3,000	3,500	3,800	3,000	3,500	3,800
	A30/35/M380	3800	2,505	2,570	4,470	4,590	4,905	4,905	145	150	145	150	480	485	6/12	3,000	3,500	3,800	3,000	3,500	3,800
	A30/35/M400	4,000	2,655	2,720	4,670	4,790	5,105	5,105	145	150	145	150	480	485	6/12	3,000	3,500	3,800	3,000	3,500	3,800
	A30/35/M430	4300	2,805	2,870	4,970	5,090	5,405	5,405	145	150	145	150	480	485	6/6	2,900	3,250	3,650	3,000	3,400	3,800
	A30/35/M450	4,500	2,905	2,970	5,170	5,290	5,605	5,605	145	150	145	150	480	485	6/6	2,850	3,100	3,350	3,000	3,350	3,800
	A30/35/M480	4800	3,055	3120	5,470	5,590	5,905	5,905	145	150	145	150	480	485	6/6	2,700	2,900	3,100	2,900	3,050	3,700
	A30/35/M500	5,000	3,155	3220	5,670	5,790	6,105	6,105	145	150	145	150	480	485	6/6	2,550	2,800	2,850	2,850	2,850	3,450
	A30/35/M550	5,500	3405	3,470	6170	6,290	6,605	6,605	145	150	145	150	480	485	3/6	2,250	2,350	2,650	2,650	2,700	3,200
	A30/35/M600	6,000	3,655	3,720	6,670	6,790	7,105	7,105	145	150	145	150	480	485	3/6	1,550	1,750	2,200	2,200	2,400	2,800
Duplex with Large Clear Lift	A30/35/U250	2500	1,880	1,990	3,260	3,355	3,620	3,620	1,120	1,140	735	845	480	485	6/12	3,000	3,500	3,800	3,000	3,500	3,800
	A30/35/U270	2,700	1,980	2,090	3,460	3,555	3,820	3,820	1,220	1,240	835	945	480	485	6/12	3,000	3,500	3,800	3,000	3,500	3,800
	A30/35/U300	3,000	2,090	2,190	3,770	3,845	4,120	4,120	1,330	1,340	945	1045	480	485	6/12	3,000	3,500	3,800	3,000	3,500	3,800
	A30/35/U330	3300	2,240	2,390	4,070	4,155	4,420	4,420	1,480	1,540	1095	1245	480	485	6/12	3,000	3,500	3,800	3,000	3,500	3,800
	A30/35/U360	3600	2,390	2,550	4,370	4,455	4,720	4,720	1,630	1,700	1245	1,405	480	485	6/12	3,000	3,500	3,700	3,000	3,500	3,700
	A30/35/U400	4,000	2,590	2,750	4,770	4,855	5,120	5,120	1,830	1,900	1,445	1605	480	485	6/12	2,850	3,250	3,550	3,000	3,500	3,700
Triplex with Long Free Stroke	A30/35/N400	4,000	2005	2105	4,780	4,855	5,120	5,120	1,235	1,260	860	960	490	505	6/6	2,700	3,000	3,200	2,900	3,400	3,600
	A30/35/N430	4,300	2105	2205	5,080	5,155	5,420	5,420	1,335	1,360	960	1060	490	505	6/6	2,550	2,850	3,200	2,850	3,350	3,600
	A30/35/N450	4,500	2,175	2,175	5,335	5,355	5,670	5,670	1,405	1,430	1030	1130	490	505	6/6	2,400	2,700	3,100	2,700	3,200	3,550
	A30/35/N480	4,800	2,275	2,375	5,580	5,655	5,920	5,920	1,505	1,530	1130	1230	490	505	6/6	2,250	2,450	2,800	2,550	2,950	3,150
	A30/35/N500	5,000	2,340	2,440	5,780	5,855	6,120	6,120	1,570	1,595	1,195	1,295	490	505	6/6	2,100	2,300	2,600	2,400	2,800	3,100
	A30/35/N550	5,500	2,505	2,605	6280	6,355	6,620	6,620	1,735	1,760	1,360	1,460	490	505	3/6	1,650	1,800	2,050	2,250	2,550	2,800
	A30/35/N600	6,000	2,725	2,770	6,780	6,855	7,120	7,120	1955	1925	1580	1,625	490	505	3/6	1,200	1,300	1,550	2,100	2,300	2,550
	A30/35/N650	6,500	2,900	3,000	7,280	7,355	7,615	7,615	2,130	2,155	1,755	1,850	490	505	3/6	\	\	\	1950	2050	2300
	A30/35/N700	7,000	3,105	3,170	7,780	7,855	8,115	8,115	2,335	2325	1960	2125	490	505	3/6	\	\	\	1800	1850	2050



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)	3,000	3,500	3,800
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)	480	485	485
1.9	Wheelbase	y (mm)	1760	1,760	1,760
Weight					
2.1	Operating weight with battery	kg	4,100	4,440	4,600
2.2	Axle load, front/rear	kg	6,390/710	7,100/800	7,500/900
2.3	Axle load, unloaded front/rear	kg	1,650/2,450	1,600/2,800	1,600/3,000
Wheels, chassis					
3.1	Type: solid rubber, super-elastic, pneumatic, polyurethane		Pneumatic	Pneumatic	Pneumatic
3.2	Front tire size		28x9-15-14PR	28x9-15-14PR	28x9-15-14PR
3.3	Rear tire size		6.50-10-10PR	6.50-10-10PR	6.50-10-10PR
3.4	Number of front/rear wheels (x = driven wheels)		2X/2	2X/2	2X/2
3.5	Front track width	b10 (mm)	1000	1000	1000
3.6	Rear track width	b11 (mm)	980	980	980
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)	2055	2170	2170
4.3	Free lift	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)	4105	4105	4105
4.7	Height of the protective roof (cab)	h6 (mm)	2150	2150	2150
4.8	Seat height / standing height	h7 (mm)	1050	1050	1050
4.12	Hitch height	h10 (mm)	420	420	420
4.19	Overall length	l1 (mm)	3840	3905	3945
4.20	Length to the front of the forks	l2 (mm)	2775	2835	2875
4.21	Overall width	b1 (mm)	1195/1228	1195/1228	1195/1228
4.22	Fork dimensions	L/W/H (mm)	1070/122/45	1070/122/50	1070/122/50
4.23	Fork mounting class		3A	3A	3A
4.24	Fork carriage width	b3 (mm)	1100	1100	1100
4.31	Ground clearance, loaded, under the mast	m1 (mm)	140	140	140
4.32	Ground clearance, center of the carriage	m ² (mm)	190	190	190
4.34.1	Aisle width for 1000x1200 pallets placed crosswise	Ast (mm)	4130	4195	4225
4.34.2	Aisle width for 800x1200 pallets placed lengthwise	Ast (mm)	4330	4395	4425
4.35	Turning radius	Wa (mm)	2450	2510	2540
4.36	Lateral turning radius	b13 (mm)	715	715	715
Performance data					
5.1	Travel Speed with Load/Unloaded	km/h	15/15	15/15	15/15
5.2	Lifting speed with load/unloaded	mm/s	340/480	300/420	300/420
5.3	Lowering speed, with load/unloaded	mm/s	380/410	380/410	380/410
5.6	Maximum tensile force, loaded/unloaded	kN	15/15	15/15	15/15
5.7	Maximum Grade, Loaded/Unloaded S2	%	15/15	15/15	15/15
5.10	Service brake		Hydraulic	Hydraulic	Hydraulic
5.11	Parking brake		Mechanical	Mechanical	Mechanical
Battery					
6.1	Battery Voltage	V/Ah	80/205	80/205	80/205
6.2	Battery weight	kg	130	130	130
Motor and controller					
7.1	Drive Motor Power S2-60 min	kW	12	12	12
7.2	Lifting motor power S3-15 min	kW	18	18	18
7.3	Drive Motor Control Method		MOSFET/ACIM	MOSFET/ACIM	MOSFET/ACIM
7.4	Hoist Motor Control Mode		MOSFET/ACIM	MOSFET/ACIM	MOSFET/ACIM
7.5	Control Type		FJ-G2-80-05	FJ-G2-80-05	FJ-G2-80-05
Additional Information					
10.1	Operating pressure for accessories	MPa	18.5	18.5	18.5
10.2	Accessory Flow Rate	L/min	50	50	50
10.4	Fuel tank capacity	L	70	70	70
10.7	Noise level at the driver's ear, according to EN 12053	dB	73	73	73
10.8	DIN 15170 Pivot Specifications		30	30	30



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