



2024 Lead-Acid Forklifts

What are the advantages of lead-acid batteries for forklift trucks?

Although lead-acid batteries require more maintenance than other solutions, they also have many great benefits. Keep reading to discover what they are.

A cost-effective solution.

Lead-acid battery powered forklifts are the cheapest option on the market. Solutions such as lithium-ion batteries are currently around twice as expensive as lead-acid batteries. Given their lower cost, lead-acid can be a more economical option for businesses with a single-shift operation or those working with a smaller budget.

A recyclable product.

This battery type is 99% recyclable and could be the right option if you are working towards meeting sustainability goals. As lead-acid batteries have been around for so long, many recycling programmes are in place for them when they reach the end of their lives.

High levels of durability.

You can use lead-acid batteries for up to five years with good care. This tried and tested technology has been used to power forklift trucks for decades. These batteries can be used for eight hours, depending on the application or environment, before needing a charge or change.



VMAXUSA is a heavy equipment import company representing the best new technology in emissions free equipment. We are a USA owned and operated company, National Headquarters located in Butte, Montana. VMAXUSA provides customers with new options in heavy electric machinery. forklifts, scissor lifts, track scissor lifts, wheeled front loaders, excavators, mini front loaders, skid steers and more.

Check out our new line of 2024 products for your lifting needs.



Renewable Energy Technologies

With the use of the excellent load-sensing steering system and AC controlling renewable energy technologies, the forklift is more energy-saving and the working hour of the battery is extended by 15%.





1-1.8t

K SERIES ELECTRIC COUNTERBALANCE FORKLIFT



High quality lead-acid battery

Cost-effective lead-acid battery is adopted, which has the characteristics of high-rate discharge performance, no ignitability, large temperature window, zero pollution, high recycling rate, and long service life.



Reinforced components

The maintenance-free wet disc brake system provides excellent brake performance. The compact structure, small deflection, and dust-proof and water-proof design of the casting steering axle endow the forklift with long service life and working reliability.



LMH three gear mode

LMH three gear mode. Customers can select different mode based on their working condition to achieve higher efficiency. Optional steering speed control function helps to reduce the risk of machine rolling.



Convenient maintenance

The nearly 90° large opening angle of the battery cover and the flexibly dismantled side cover facilitate the battery installing job and line maintenance job greatly.

Arc-shaped overall guard

The integrated arc-shaped overall guard with optimized force distribution and better damping effect, enlarges the operation space and operator's view to a great extent.

Improved safety performance

High-mounted rear axle construction improves the machine's lateral stability. Optional steering speed control makes the operation more safety.



WIDE VIEW MAST						
Mast model	Max. lifting height (mm)	Load capacity (load center 500mm) (kg)			Mast overall height (mm)	Mast tilting angle (front/rear)
		1t	1.5t	1.8t		
M200	2000	1000	1500	1800	1490	6/12
M250	2500	1000	1500	1800	1740	6/12
M270	2700	1000	1500	1800	1840	6/12
M300	3000	1000	1500	1800	1990	6/12
M330	3300	1000	1500	1700	2140	6/12
M350	3500	1000	1500	1600	2240	6/12
M370	3700	1000	1500	1600	2340	6/6
M400	4000	1000	1500	1600	2540	6/6
M425	4250	900 *1000	1300 *1500	1400 *1600	2665	6/6
M450	4500	*900	*1300	*1400	2790	6/6
M500	5000	*800	*1200	*1300	3040	6/6
M550	5500	*600	*1100	*1200	3340	*3/6
M600	6000	*450	*650	*800	3590	*3/6

Note: (1)*refers to the load capacity of truck with dual tyres
(2)The service weight is the weight of truck with dual tyres:+110 kg
(3)Max. lifting height (backrest): +580mm

WIDE VIEW FULL FREE 2-STAGE MEST						
Mast model	Max. lifting height (mm)	Load capacity(load center 500mm)(kg)			Mast overall height(mm)	Free lifting height(with backrest) mm
		1t	1.5t	1.8t		
ZM200	2000	1000	1500	1800	1490	475
ZM250	2500	1000	1500	1800	1740	725
ZM300	3000	1000	1500	1800	1990	975
ZM330	3300	1000	1500	1700	2140	1125
ZM350	3500	1000	1500	1600	2240	1225
ZM370	3700	1000	1500	1600	2340	1250
ZM400	4000	1000	1500	1600	2540	1525
ZM425	4250	900 *1000	1300 *1500	1400 *1600	2665	1650
ZM450	4500	*900	1100 *1300	1200 *1400	2790	1775
ZM500	5000	*800	950 *1150	1050 *1250	3040	2025
ZM550	5500	*600	*1000	*1100	3340	2325
ZM600	6000	*450	*650	*750	3590	2575

Note: (1)*refers to the load capacity of truck with dual tyres
(2)The service weight is the weight of truck with dual tyres:+110kg
(3)Free lifting height (without backrest): +514mm

WIDE VIEW FULL FREE 3-STAGE MAST						
Mast model	Max. lifting height (mm)	Load capacity(load center 500mm) (kg)			Mast overall height(mm)	Free lifting height (with backrest) mm
		1t	1.5t	1.8t		
ZSM360	3600	1000	1500	1700	1690	676
ZSM400	4000	800	1300	1600	1825	810
ZSM435	4350	700	1200	1500	1940	926
ZSM450	4500	650	1150	1400	1990	976
ZSM480	4800	600	1100	1300	2090	1076
ZSM500	5000	500	1000	1200	2155	1145
ZSM550	5500	400 *500	900 *1000	950 *1100	2380	1360
ZSM600	6000	200 *450	600 *800	650 *900	2550	1526

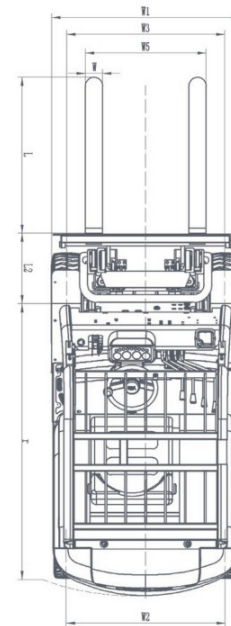
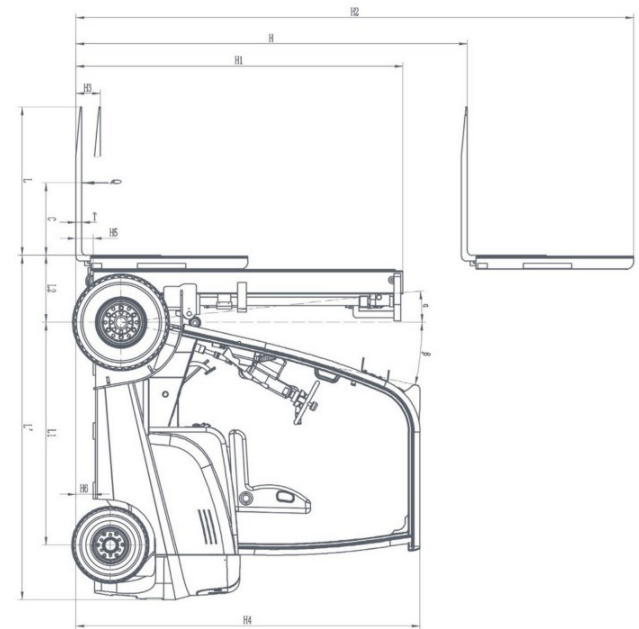
Note: (1)*refers to the load capacity of truck with dual tyres
(2)The service weight is the weight of truck with dual tyres:+110kg
(3)Free lifting height (without backrest): +514mm



NOTE:
The vertical axis stands for the load capacity and the horizontal axis stands for the load center. The load center is calculated from the face of the fork. The base point of the standard load is the center of the cube with a load side length of 1000 mm. When the mast leans forward, or non-standard forks are used, or loads exceeds normal width, the load capacity will be reduced. Through the load chart, the bearing capacity of the standard mast at various load centers can be timely understood.

Manufacturer's Data and Design Characteristics

Characteristics							
1.01	Manufacturer						
1.02	Model						
1.03	Rated Capacity	Q	kg	CPD10	CPD15	CPD18	
1.04	Load Center Distance	C	mm	1000	1500	1800	
1.05	Power Type			500	500	500	
1.06	Driving Type			Battery	Battery	Battery	
1.07	Wheel Base	L1	mm	Seated	Seated	Seated	
				1360	1360	1360	
Tyres							
2.01	Tyre Type			Pneumatic	Pneumatic	Pneumatic	
2.02	Wheel Number (front/rear)			2x/2	2x/2	2x/2	
2.03	Front Tread	W3	mm	912	912	912	
2.04	Rear Tread	W2	mm	920	920	920	
2.05	Tyre (front)			6.50-10-12-PR	6.50-10-12-PR	6.50-10-12-PR	
2.06	Tyre (rear)			5.00-8-8-PR	5.00-8-8-PR	5.00-8-8-PR	
Size							
3.01	Front Overhang		L2	mm	400	400	
3.02	Mast Tilting Angle, Front/Rear		α/β	°	6/12	6/12	
3.03	Height with Mast Retraction		H1	mm	1995	1995	
3.04	Free Lifting Height		H3	mm	140	140	
3.05	Max. Lifting Height		H	mm	3000	3000	
3.06	Max. Height After Lifting		H2	mm	4025	4025	
3.07	Overall Guard Height		H4	mm	2100	2100	
3.08	Fork Size: Length x Width x Thickness		L x W x T	mm	1070 x 100 x 32	1070 x 100 x 35	
3.09	Overall Length (Fork Excluded)		L'	mm	2035	2035	
3.10	Overall Width		W1	mm	1090	1090	
3.11	Turning Radius		r	mm	1997	1997	
3.12	Ground Clearance of Mast		H5	mm	105	105	
3.13	Ground clearance of wheel base center (loaded)		H6	mm	115	115	
3.14	Right Angle Stacking Aisle Width (Pallet 1000 x 1000mm, Clearance 200mm)		Ast	mm	3797	3797	
3.15	Right Angle Stacking Aisle Width (Pallet 1200 x 1200mm, Clearance 200mm)		Ast	mm	3997	3997	
3.16	Lateral Fork Adjustment Max./Min.		W5	mm	970/200	970/200	
Performance							
4.01	Traveling Speed (Loaded/Unloaded)			km/h	13/15	13/15	
4.02	Lifting Speed (Loaded/Unloaded)			mm/s	240/450	240/450	
4.03	Lowering Speed			mm/s	<600	<600	
4.04	Gradeability (loaded)			%	12	12	
Weight							
5.01	Total Weight			Kg	2960	3120	3200
Battery							
6.01	Battery Voltage / capacity			V/Ah	48/350	48/350	48/400
6.02	Battery weight			Kg	580	580	640
Motor and controller							
7.01	Driving motor power-60 minutes			Kw	8		
7.02	Lifting motor power (S3 15%)			Kw	7.5		
7.03	Driving motor control mode				AC		
7.04	Lifting motor control mode				AC		
7.05	Service brake / parking brake				Hydraulic / Mechanical		
7.06	Hydraulic system working pressure			Mpa	17.5		



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2-2.5t

K SERIES BATTERY POWERED COUNTERBALANCE FORKLIFT



Advanced AC motor

Compared with DC motor, the maximum speed of AC motor is higher, which more compact yet more powerful. With faster start-up response, the forklift can run at full speed over short distances. No need to replace the carbon brush or diverter, thus saving maintenance cost.



Reinforced components

The maintenance-free wet disc brake system provides excellent brake performance. The compact structure, small deflection, and dust-proof and water-proof design of the casting steering axle endow the forklift with long service life and working reliability.



High quality lead-acid battery

Cost-effective lead-acid battery is adopted, which has the characteristics of high-rate discharge performance, no ignitability, large temperature window, zero pollution, high recycling rate, and long service life.



Electronic control system

Originally imported INMOTION electronic control is optional for installation. Adopting the up-to-date ACS series AC motor driver, it provides stable drive current, and offers ideal solution for forklift traction, lifting, driving and operation control.

Wide view

The compact structure of standard wide view frame and hose pulley block makes the operator a better view.

Low voltage DC charger

Corresponding low voltage DC charger is provided based on the power of lead-acid battery.



WIDE VIEW MAST					
Mast model	Max. lifting height (mm)	Load capacity (load center 500mm) (kg)		Mast overall height (mm)	Mast tilting angle (front/rear)
		2t	2.5t		
M200	2000	2000	2500	1495	6/12
M250	2500	2000	2500	1745	6/12
M270	2700	2000	2500	1845	6/12
M300	3000	2000	2500	1995	6/12
M330	3300	2000	2500	2145	6/12
M350	3500	2000	2500	2245	6/12
M370	3700	2000	2500	2345	6/6 *6/12
M400	4000	2000	2500	2545	6/6 *6/12
M425	4250	1800 *2000	2200 *2500	2670	6/6 *6/12
M450	4500	1600 *1900	2100 *2400	2795	6/6 *6/12
M500	5000	1200 *1700	1600 *1900	3045	6/6 *6/6
M550	5500	950 *1500	1200 *1700	3345	*3/6
M600	6000	800 *1200	900 *1400	3595	*3/6

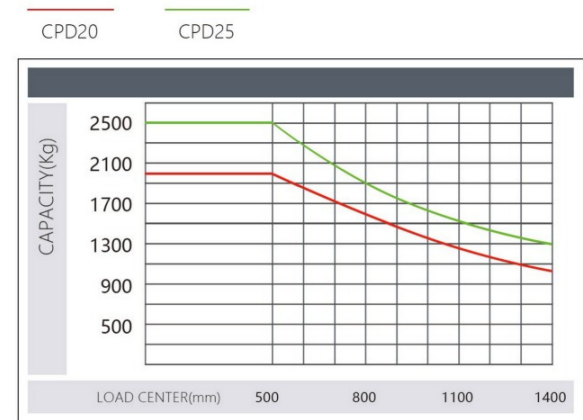
Note: (1)*refers to the load capacity of truck with dual tyres
(2)The service weight is the weight of truck with dual tyres:+110 kg
(3)Max. lifting height (backrest): +580mm

WIDE VIEW FULL FREE 2-STAGE MEST						
Mast model	Max. lifting height (mm)	Load capacity(load center 500mm)(kg)		Mast overall height(mm)	Free lifting height(with backrest) mm	Mast tilting angle (front/rear)
		2t	2.5t		2-2.5t	
ZM200	2000	2000	2500	1495	495	6/12
ZM250	2500	2000	2500	1745	745	6/12
ZM300	3000	2000	2500	1995	995	6/12
ZM330	3300	2000	2500	2145	1145	6/12
ZM350	3500	2000	2500	2245	1245	6/6 *6/12
ZM370	3700	2000	2500	2345	1370	6/6 *6/12
ZM400	4000	2000	2500	2545	1545	6/6 *6/12
ZM425	4250	1900 *2000	2250 *2500	2670	1670	6/6 *6/12
ZM450	4500	1800 *1900	2150 *2400	2795	1795	6/6 *6/6
ZM500	5000	1600 *1700	1650 *2200	3045	2045	*3/6
ZM550	5500	*1600	*1950	3345	2345	*3/6
ZM600	6000	*1500	*1800	3595	2595	*3/6

Note: (1)*refers to the load capacity of truck with dual tyres
(2)The service weight is the weight of truck with dual tyres:+110kg
(3)Free lifting height (without backrest): +435mm

WIDE VIEW FULL FREE 3-STAGE MAST						
Mast model	Max. lifting height (mm)	Load capacity(load center 500mm) (kg)		Mast overall height(mm)	Free lifting height (with backrest) mm	Mast tilting angle (front/rear)
		2t	2.5t	2-2.5t	2-2.5t	
ZSM360	3600	2000	2500	1695	655	6/6 *6/6
ZSM400	4000	2000	2500	1860	788	6/6 *6/6
ZSM435	4350	1750 *1900	1950 *2300	1945	905	6/6 *6/6
ZSM450	4500	1600 *1800	1700 *2200	1995	995	6/6 *6/6
ZSM480	4800	1250 *1700	1500 *2000	2095	1055	6/6 *6/6
ZSM500	5000	1100 *1600	1300 *1800	2165	1121	6/6 *6/6
ZSM550	5500	850 *1300	1100 *1600	2330	1288	3/6 *3/6
ZSM600	6000	700 *1100	800 *1300	2550	1505	3/6 *3/6

Note: (1)*refers to the load capacity of truck with dual tyres
(2)The service weight is the weight of truck with dual tyres:+110kg
(3)Free lifting height (without backrest) : +435mm



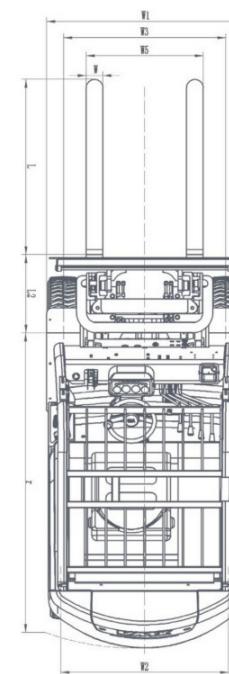
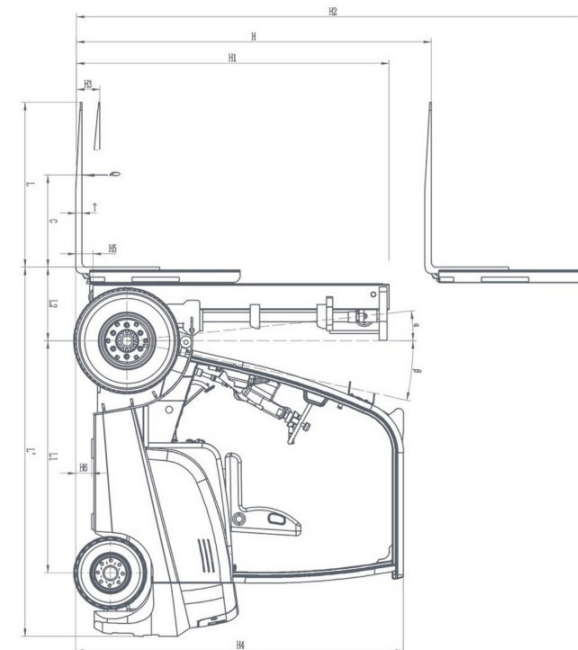
NOTE:

The vertical axis stands for the load capacity and the horizontal axis stands for the load center. The load center is calculated from the face of the fork. The base point of the standard load is the center of the cube with a load side length of 1000 mm. When the mast leans forward, or non-standard forks are used, or loads exceeds normal width, the load capacity will be reduced. Through the load chart, the bearing capacity of the standard mast at various load centers can be timely understood.



ManuFacter's Data and Design Characteristics

Characteristics				
1.01	Manufacturer			
1.02	Model			
1.03	Rated Capacity	Q	kg	CPD2020002500
1.04	Load Center Distance	C	mm	500500
1.05	Power Type			BatteryBattery
1.06	Driving Type			SeatedSeated
1.07	Wheel Base	L1	mm	15001500
Tyres				
2.01	Tyre Type			PneumaticPneumatic
2.02	Wheel Number (front/rear)			2x/22x/2
2.03	Front Tread	W3	mm	970970
2.04	Rear Tread	W2	mm	950950
2.05	Tyre (front)			7.00-12-12PR7.00-12-12PR
2.06	Tyre (rear)			18X7-8PR18X7-8PR
Size				
3.01	Front Overhang	L2	mm	468468
3.02	Mast Tilting Angle, Front/Rear	α/β	°	6/126/12
3.03	Height with Mast Retraction	H1	mm	19951995
3.04	Free Lifting Height	H3	mm	150150
3.05	Max. Lifting Height	H	mm	30003000
3.06	Max. Height After Lifting	H2	mm	40454045
3.07	Overall Guard Height	H4	mm	20982098
3.08	Fork Size: Length x Width x Thickness	L x W x T	mm	1070 x 100 x 401070 x 120 x 40
3.09	Overall Length (Fork Excluded)	L'	mm	23532353
3.10	Overall Width	W1	mm	11701170
3.11	Turning Radius	r	mm	21722172
3.12	Ground Clearance of Mast	H5	mm	110110
3.13	Ground clearance of wheel base center (loaded)	H6	mm	105105
3.14	Right Angle Stacking Aisle Width (Pallet 1000 x 1000mm, Clearance 200mm)	Ast	mm	40404040
3.15	Right Angle Stacking Aisle Width (Pallet 1200 x 1200mm, Clearance 200mm)	Ast	mm	42404240
3.16	Lateral Fork Adjustment Max./Min.	W5	mm	1038/2001038/240
Performance				
4.01	Traveling Speed (Loaded/Unloaded)		km/h	12/1412/14
4.02	Lifting Speed (Loaded/Unloaded)		mm/s	320/450320/450
4.03	Lowering Speed		mm/s	<600<600
4.04	Gradeability (loaded)		%	1212
Weight				
5.01	Total Weight		Kg	42144270
Battery				
6.01	Battery Voltage / capacity		V/Ah	48/42048/490
6.02	Battery weight		Kg	715750
Motor and controller				
7.01	Driving motor power-60 minutes		Kw	8
7.02	Lifting motor power (S3 15%)		Kw	12
7.03	Driving motor control mode			AC
7.04	Lifting motor control mode			AC
7.05	Service brake / parking brake			Hydraulic / Mechanical
7.06	Hydraulic system working pressure		Mpa	17.5



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3-4t

K SERIES BATTERY POWERED COUNTER-BALANCE FORKLIFT



Advanced AC motor

Compared with DC motor, the maximum speed of AC motor is higher, which more compact yet more powerful. With faster start-up response, the forklift can run at full speed over short distances. No need to replace the carbon brush or diverter, thus saving maintenance cost.



High quality lead-acid battery

Cost-effective lead-acid battery is adopted, which has the characteristics of high-rate discharge performance, no ignitability, large temperature window, zero pollution, high recycling rate, and long service life.



Electronic control system

Originally imported INMOTION electronic control is optional for installation. Adopting the up-to-date ACS series AC motor driver, it provides stable drive current, and offers ideal solution for forklift traction, lifting, driving and operation control.



Reinforced components

The maintenance-free wet disc brake system provides excellent brake performance. The compact structure, small deflection, and dust-proof and water-proof design of the casting steering axle endow the forklift with long service life and working reliability.

Flexible steering system

The dynamic load sensing priority steering system ensures faster steering response. The frame is connected to the steering axle in suspension, ensuring excellent vibration damping performance, and more stable driving.

Low voltage DC charger

Corresponding low voltage DC charger is provided based on the power of lead-acid battery.



WIDE VIEW MAST								
Mast model	Max. lifting height (mm)	Load capacity (load center 500mm) (kg)			Mast overall height (mm)			Mast tilting angle (front/rear)
		3t	3.5t	4t	3t	3.5t	4t	
M200	2000	3000	3500	4000	1565	1565	1650	6/12
M250	2500	3000	3500	4000	1815	1815	1900	6/12
M270	2700	3000	3500	4000	1915	1915	2000	6/12
M300	3000	3000	3500	4000	2065	2065	2150	6/12
M330	3300	3000	3500	4000	2215	2215	2300	6/12
M350	3500	3000	3500	4000	2315	2315	2400	6/12
M370	3700	3000	3500	4000	2415	2415	2500	6/6
M400	4000	3000	3300	4000	2615	2615	2700	6/6
M425	4250	2850	3200	4000	2740	2740	2825	6/6
M450	4500	2600	2900	3500	2865	2865	2950	6/6
M500	5000	2100	2400	3200	3115	3115	3200	6/6
M550	5500	2850	2750	3200	3415	3415	3500	6/6
M600	6000	2400	1800	2600	3665	3665	3750	3/6
		2200	1400	2400				

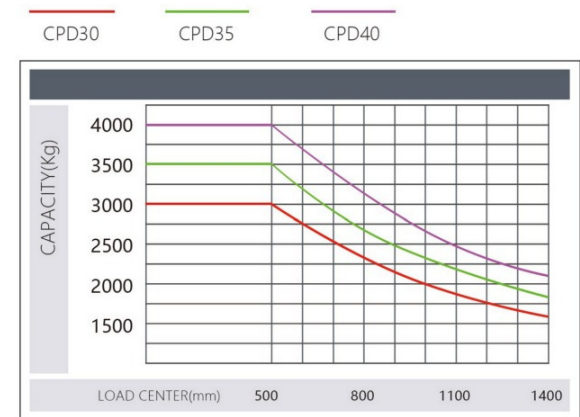
Note: (1)*refers to the load capacity of truck with dual tyres
(2)The service weight is the weight of truck with dual tyres:+110 kg
(3)Max. lifting height (backrest): +580mm

WIDE VIEW FULL FREE 2-STAGE MEST											
Mast model	Max. lifting height (mm)	Load capacity(load center 500mm)(kg)			Mast overall height(mm)			Free lifting height(with backrest) mm			Mast tilting angle (front/rear)
		3t	3.5t	4t	3t	3.5t	4t	3t	3.5t	4t	
ZM200	2000	3000	3500	4000	1565	1565	1650	325	325	413	6/12
ZM250	2500	3000	3500	4000	1815	1815	1900	575	575	663	6/12
ZM300	3000	3000	3500	4000	2065	2065	2150	825	825	913	6/12
ZM330	3300	3000	3500	4000	2215	2215	2300	975	975	1063	6/12
ZM350	3500	3000	3500	4000	2315	2315	2400	1075	1075	1163	6/6
ZM370	3700	2850	3500	4000	2415	2415	2500	1175	1175	1263	6/6
ZM400	4000	2700	3200	4000	2615	2615	2700	1375	1375	1413	6/6
ZM425	4250	2550	3100	3800	2740	2740	2825	1500	1500	1538	6/6
ZM450	4500	2400	3000	3500	2865	2865	2950	1625	1625	1663	6/6
ZM500	5000	2000	2500	3200	3115	3115	3200	1875	1875	1913	3/6
ZM550	5500	1600	2200	2600	3415	3415	3500	2175	2175	2163	3/6
ZM600	6000	1200	1900	2400	3665	3665	3750	2475	2475	2413	3/6

Note: (1)*refers to the load capacity of truck with dual tyres
(2)The service weight is the weight of truck with dual tyres:+110kg
(3)Free lifting height (without backrest) 3-3.5T: +580mm; 4T: +535mm

WIDE VIEW FULL FREE 3-STAGE MAST											
Mast model	Max. lifting height (mm)	Load capacity(load center 500mm) (kg)			Mast overall height(mm)			Free lifting height (with backrest) mm			Mast tilting angle (front/rear)
		3t	3.5t	4t	3t	3.5t	4t	3t	3.5t	4t	
ZSM360	3600	3000	3500	4000	1765	1765	1860	528	528	623	6/6
ZSM400	4000	3000	3500	4000	1898	1898	1993	661	661	756	6/6
ZSM435	4350	2800	3100	3300	2015	2015	2110	778	778	873	6/6
ZSM450	4500	2850	3200	4000	2015	2015	2110	778	778	873	6/6
ZSM480	4800	2500	2800	3000	2065	2065	2160	828	828	923	6/6
ZSM500	5000	2250	2500	2700	2165	2165	2260	928	928	1023	6/6
ZSM550	5500	2100	2300	2500	2232	2232	2327	995	995	1090	6/6
ZSM550	5500	2300	2600	3000	2232	2232	2327	995	995	1090	6/6
ZSM550	5500	1600	1700	2000	2398	2398	2493	1161	1161	1256	3/6
ZSM600	6000	1200	1300	1500	2615	2615	2710	1378	1378	1473	3/6
		1900	2100	2300							

Note: (1)*refers to the load capacity of truck with dual tyres
(2)The service weight is the weight of truck with dual tyres:+110kg
(3)Free lifting height (without backrest) 3-3.5T: +580mm; 4T: +535mm

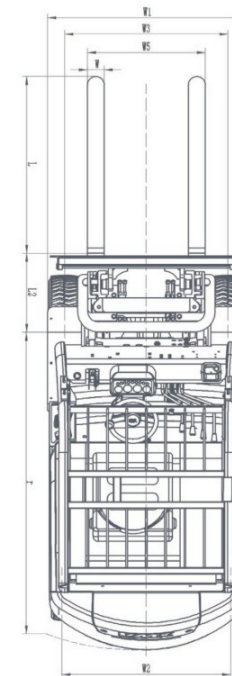
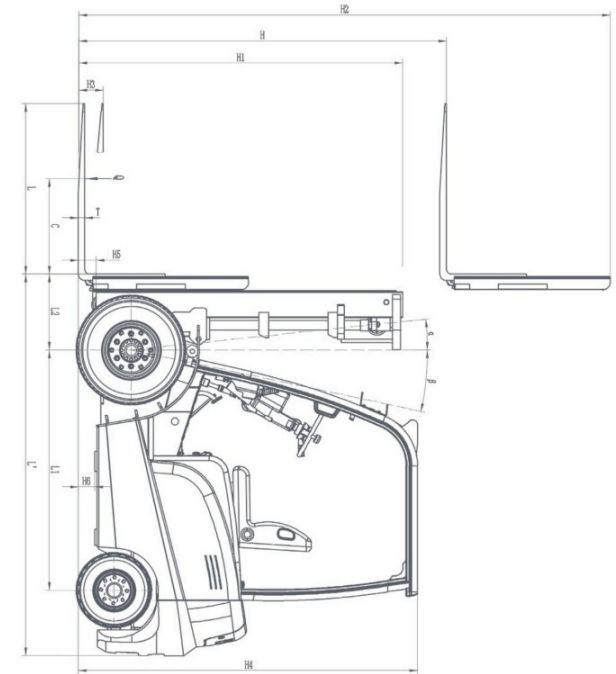


NOTE:

The vertical axis stands for the load capacity and the horizontal axis stands for the load center. The load center is calculated from the face of the fork. The base point of the standard load is the center of the cube with a load side length of 1000 mm. When the mast leans forward, or non-standard forks are used, or loads exceeds normal width, the load capacity will be reduced. Through the load chart, the bearing capacity of the standard mast at various load centers can be timely understood.

ManuFacter's Data and Design Characteristics

Characteristics					
1.01 Manufacturer					
1.02 Model			CPD30	CPD35	CPD40
1.03 Rated Capacity	Q	kg	3000	3500	4000
1.04 Load Center Distance	C	mm	500	500	500
1.05 Power Type			Battery	Battery	Battery
1.06 Driving Type			Seated	Seated	Seated
1.07 Wheel Base	L1	mm	1600	1600	1800
Tyres					
2.01 Tyre Type			Pneumatic	Pneumatic	Pneumatic
2.02 Wheel Number (front/rear)			2x/2	2x/2	2x/2
2.03 Front Tread	W3	mm	1000	1000	1160
2.04 Rear Tread	W2	mm	970	970	970
2.05 Tyre (front)			28X9-15-12PR	28X9-15-12PR	250-15-12PR
2.06 Tyre (rear)			18X7-8-14PR	18X7-8-14PR	18X7-8-16PR
Size					
3.01 Front Overhang	L2	mm	475	475	520
3.02 Mast Tilting Angle, Front/Rear	α/β	°	6/12	6/12	6/12
3.03 Height with Mast Retraction	H1	mm	2025	2025	2150
3.04 Free Lifting Height	H3	mm	150	150	150
3.05 Max. Lifting Height	H	mm	3000	3000	3000
3.06 Max. Height After Lifting	H2	mm	4160	4160	4272
3.07 Overall Guard Height	H4	mm	2092	2092	2092
3.08 Fork Size: Length x Width x Thickness	L x W x T	mm	1070 x 125 x 45	1070 x 125 x 50	1070 x 125 x 50
3.09 Overall Length (Fork Excluded)	L'	mm	2507	2507	2690
3.10 Overall Width	W1	mm	1220	1220	1420
3.11 Turning Radius	r	mm	2360	2360	2550
3.12 Ground Clearance of Mast	H5	mm	120	120	130
3.13 Ground clearance of wheel base center (loaded)	H6	mm	130	130	130
3.14 Right Angle Stacking Aisle Width (Pallet 1000 x 1000mm, Clearance 200mm)	Ast	mm	4105	4105	4250
3.15 Right Angle Stacking Aisle Width (Pallet 1200 x 1200mm, Clearance 200mm)	Ast	mm	4305	4305	4450
3.16 Lateral Fork Adjustment Max./Min.	W5	mm	1100/250	1100/250	1300/250
Performance					
4.01 Traveling Speed (Loaded/Unloaded)		km/h	14/15	14/15	12/13
4.02 Lifting Speed (Loaded/Unloaded)		mm/s	300/400	300/400	250/350
4.03 Lowering Speed		mm/s	<600	<600	<600
4.04 Gradeability (loaded)		%	14	14	14
Weight					
5.01 Total Weight		Kg	4950	5240	5440
Battery					
6.01 Battery Voltage / capacity		V/Ah	80/400	80/450	80/500
6.02 Battery weight		Kg	1125	1170	1240
Motor and controller					
7.01 Driving motor power-60 minutes		Kw		16.6	
7.02 Lifting motor power (S3 15%)		Kw		13.5	
7.03 Driving motor control mode				AC	
7.04 Lifting motor control mode				AC	
7.05 Service brake / parking brake			Hydraulic / Mechanical		
7.06 Hydraulic system working pressure		Mpa	17.5	17.5	20



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