



New National Headquarters for VMAX, a world renown manufacturer of heavy Industrial equipment, is now in Butte, Montana, USA. All Electric machinery from forklift, excavators, to scissor lifts. Lithium-Ion technology is leading the future of powering the worlds biggest machines. Check out the newest 2023 models, now available for your heavy 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%.





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 is 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.

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. Equipped with China national standard charging gun, butt converter of different specification are optionally provided to meet carious charging specifications.



WIDE VEIW FULL FREE 2-STAGE MEST

Mast Model	Max. Lifting Height (mm)	Load Capacity (Load Center 500mm) (kg)		Mast Overll Height (mm)	Free Lifting Height (with backrest) mm	Mast Tilting Angle (front/rear)
		2t	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

- (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

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Mast Model	Max. Lifting Height (mm)	Load Capacity (Load Center 500mm) (kg)		Mast Overll Height (mm)	Free Lifting Height (with backrest) mm	Mast Tilting Angle (front/rear)
		2t	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 *250	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

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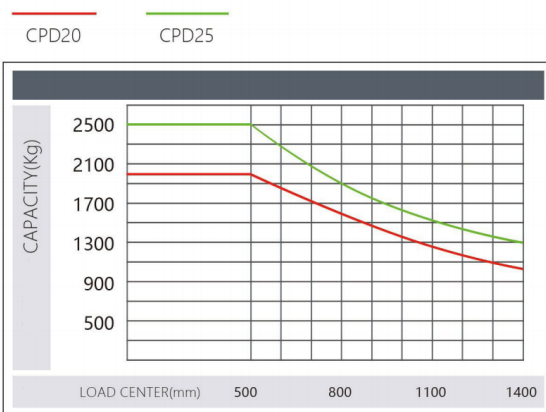
Mast Model	Max. Lifting Height (mm)	Load Capacity (Load Center 500mm) (kg)		Mast Overll Height (mm)	Mast Tilting Angle (front/rear)
		2t	2.5t		
M200	2000	2000	2500	1495	6/12
M250	2500	2000	2500	1745	6/12
M270	2700	2000	2500	1845	6/12
M300	3000	2000	2500	1995	6/12
M330	3300	2000	2500	2145	6/12
M350	3500	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

- (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)Max. lifting height (backrest) : +580mm



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				CPD20CPD25
1.03	Rated Capacity		Q	kg	20002500
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	350/450320/450
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

