

New National Headquarters for VMAX, a world renown manufacturer of heavy Industrial equipment, in 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 Tachnologies

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%.













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.

2-2.5t

K SERIES BATTERY POWERED COUNTERBALANCE FORKLIFT

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 carrious 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	
Wiast Wiodei		2t	2.5t	2-2.5t	2-2.5t	(front/rear)	
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

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	
iviast iviouei		2t	2.5t	2-2.5t	2-2.5t	(front/rear)	
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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(2)The service weight is the weight of truck with dual tyres:+110kg
(3)Free lifting height (without backrest): +435mm

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WIDE VEIW FULL FREE 2-STAGE MEST						
Mast Model	Max. Lifting Height (mm)	Load Capacity (Load	d Center 500mm) (kg)	Mast Overll Height (mm)	Mast Tilting Angle	
iviast iviouei	IVIAX. LITTING FIEIGHT (IIIIII)	2t	2.5t	2-2.5t	(front/rear)	
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.



Characteristics	Man	ManuFacturer's Data and Design Characteristics						
1.02 Model Q kg 2000 2500								
1.03 Rated Capacity	1.01	Manufacturer						
1.03 Rated Capacity	1.02	Model			CPD20	CPD25		
1.04 Load Center Distance C mm 500 500 1.05 Power Type Battery Battery Battery Seated Seated 1.07 Wheel Base L1 mm 1500 1500 Tyres Seated Seated 1.07 Wheel Base L1 mm 1500 1500 Tyres Seated 1.07 Wheel Base L1 mm 1500 1500 Tyres Seated 1.07 Wheel Base L1 mm 1500 1500 Tyres Seated 1.07 Wheel Base L1 mm 1500 1500 Tyres Seated 1.07 Wheel Base L2 2x/2 2x/2 2x/2 2.03 Front Tread W3 mm 970			Q	kg				
1.06 Driving Type	1.04	Load Center Distance			500	500		
1.06 Driving Type	1.05	Power Type			Battery	Battery		
Tyres Pneumatic Pneumatic 2x/2 2x/2 2x/2 2.03 Front Tread W3 mm 970		, ·				•		
2.01 Tyre Type	1.07	Wheel Base	L1	mm	1500	1500		
2.02 Wheel Number (front/rear)		Tyres						
2.03 Front Tread	2.01	Tyre Type			Pneumatic	Pneumatic		
2.04 Rear Tread	2.02	Wheel Number (front/rear)			2x/2	2x/2		
2.05 Tyre (front) 7.00-12-12pr 7.00-12-12PR	2.03	Front Tread	W3	mm	970	970		
2.06 Tyre (rear) 18X7-8PR 18X7-8PR 18X7-8PR Size Siz	2.04	Rear Tread	W2	mm	950	950		
Size 3.01 Front Overhang L2 mm 468 468 3.02 Mast Tilting Angle, Front/Rear α/β ° 6/12 6/12 6/12 6/12 3.03 Height with Mast Retraction H1 mm 1995 1995 3.04 Free Lifting Height H3 mm 150 150 150 3.05 Max. Lifting Height H4 mm 3000 3000 3.06 Max. Height After Lifting H2 mm 4045 4045 4045 3.07 Overall Guard Height H4 mm 2098 2098 2098 3.08 Fork Size: Length x Width x Thickness Lx W x T mm 1070 x 100 x 40 1070 x 120 x 40 3.09 Overall Length (Fork Excluded) L' mm 2353 2353 2353 3.10 Overall Width W1 mm 1170	2.05	Tyre (front)			7.00-12-12pr	7.00-12-12PR		
3.01 Front Overhang	2.06	Tyre (rear)			18X7-8PR	18X7-8PR		
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 150 150 3.05 Max. Lifting Height H mm 3000 3000 3.06 Max. Height After Lifting H2 mm 4045 4045 3.07 Overall Guard Height H4 mm 2098 2098 3.08 Fork Size: Length x Width x Thickness L x W x T mm 1070 x 100 x 40 1070 x 120 x 40 3.09 Overall Length (Fork Excluded) L' mm 2353 2353 3.10 Overall Width W1 mm 1170 1170 3.11 Turning Radius r mm 2172 2172 3.12 Ground Clearance of Mast H5 mm 110 110 3.13 Ground Clearance of Wheel Base Center (Loaded) H6 mm 105 105 3.14 Right Angle Stacking Aisle Width (Pallet 1000 x 1000mm, Clearance 200mm) 3.15 Right Angle Stacking Aisle Width (Pallet 1200 x 1200mm, Clearance 200mm) 3.16 Lateral Fork Adjustment Max./Min. W5 mm 1038/200 1038/240 Performance 4.01 Traveling Speed (Loaded/Unloaded) Mm/s 350/450 320/450 4.02 Lifting Speed (Loaded/Unloaded) Mm/s 350/450 320/450 4.03 Lowering Speed 4.04 Gradeability (loaded) Ms/h 12/14 12/14 5.01 Total Weight Kg 4214 4270 Battery 6.01 Battery Voltage / Capacity Kg 715 750 Motor and Controller 7.01 Driving Motor Power-60 Minutes Kw 8		Size						
3.03 Height with Mast Retraction	3.01	Front Overhang	L2	mm	468	468		
3.04 Free Lifting Height	3.02	Mast Tilting Angle, Front/Rear	α/ß	•	6/12	6/12		
3.05 Max. Lifting Height	3.03	Height with Mast Retraction	H1	mm	1995	1995		
3.06 Max. Height After Lifting H2 mm 4045 4045 3.07 Overall Guard Height H4 mm 2098 2098 3.08 Fork Size: Length x Width x Thickness L x W x T mm 1070 x 100 x 40 1070 x 120 x 40 3.09 Overall Length (Fork Excluded) L' mm 2353 2353 3.10 Overall Width W1 mm 1170 1170 3.11 Turning Radius r mm 2172 2172 3.12 Ground Clearance of Mast H5 mm 110 110 3.13 Ground Clearance of Wheel Base Center (Loaded) H6 mm 105 105 3.14 Right Angle Stacking Aisle Width (Pallet 1000 x 1000mm, Clearance 200mm) Ast mm 4040 4040 3.15 1200mm, Clearance 200mm) W5 mm 1038/200 1038/240 Performance V5 V6 V6 V6 V6 4.01 Traveling Speed (Loaded/Unloaded) km/h 12/14 12/14 4.02 Lifting Speed (Loaded/Unloaded) km/h 12/14 12/14 4.03 Lowering Speed (Loaded/Unloaded) mm/s 350/450 320/450 4.04 Gradeability (loaded) % 12 12 Weight Total Weight Kg 4214 4270 Battery V6 Battery V6 Battery V6 Battery V7 W6 W6 V7 W6 6.01 Battery V0ltage / Capacity V7 W6 W6 V7 W6 W6 W6 W6 W6 W6 W6 W	3.04	Free Lifting Height	Н3	mm	150	150		
3.07 Overall Guard Height 3.08 Fork Size: Length x Width x Thickness 3.08 Fork Size: Length x Width x Thickness 3.09 Overall Length (Fork Excluded) 3.09 Overall Length (Fork Excluded) 3.10 Overall Width 3.11 Turning Radius 3.11 Turning Radius 3.12 Ground Clearance of Mast 3.13 Ground Clearance of Wheel Base Center (Loaded) 3.14 Right Angle Stacking Aisle Width (Pallet 1000 x 1000mm, Clearance 200mm) 3.15 Right Angle Stacking Aisle Width (Pallet 1200 x 1200mm, Clearance 200mm) 3.16 Lateral Fork Adjustment Max./Min. 3.17 When the speed (Loaded/Unloaded) 3.18 Traveling Speed (Loaded/Unloaded) 3.19 Lateral Fork Adjustment Max./Min. 3.10 Lateral Fork Adjustment Max./Min. 3.11 Traveling Speed (Loaded/Unloaded) 3.12 Lifting Speed (Loaded/Unloaded) 3.13 Lateral Fork May Speed (Loaded/Unloaded) 3.14 Traveling Speed (Loaded/Unloaded) 3.15 Lateral Fork May Speed (Loaded/Unloaded) 3.16 Lateral Fork May Speed (Loaded/Unloaded) 4.01 Traveling Speed (Loaded/Unloaded) 4.02 Lifting Speed (Loaded/Unloaded) 4.03 Lowering Speed (Loaded/Unloaded) 4.04 Gradeability (loaded) 4.05 Lowering Speed 4.06 Gradeability (loaded) 4.07 Total Weight 4.08 Lateral Fork May Speed 4.09 Kg 4214 4270 8attery 6.01 Battery 6.01 Battery Voltage / Capacity 4.02 V/Ah 48/420 48/490 6.02 Battery Weight 4.03 Driving Motor Power-60 Minutes 4.04 Driving Motor Power-60 Minutes 4.05 Kw 8	3.05	Max. Lifting Height	Н	mm	3000	3000		
3.08 Fork Size: Length x Width x Thickness	3.06	Max. Height After Lifting	H2	mm	4045	4045		
3.09 Overall Length (Fork Excluded) 3.10 Overall Width 3.11 Turning Radius 3.12 Ground Clearance of Mast 3.13 Ground Clearance of Wheel Base Center (Loaded) 3.14 Right Angle Stacking Aisle Width (Pallet 1000 x 1000mm, Clearance 200mm) 3.15 Right Angle Stacking Aisle Width (Pallet 1200 x 1200mm, Clearance 200mm) 3.16 Lateral Fork Adjustment Max./Min. 3.17 Turning Radius 3.18 Lifting Speed (Loaded/Unloaded) 4.01 Traveling Speed (Loaded/Unloaded) 4.02 Lifting Speed (Loaded/Unloaded) 4.03 Lowering Speed 4.04 Gradeability (loaded) 4.05 Weight 5.01 Total Weight 5.01 Total Weight 5.02 Battery Weight 5.03 Driving Motor Power-60 Minutes Kw 8 Lifting Motor Power-60 Minutes	3.07	Overall Guard Height	H4	mm	2098	2098		
3.10 Overall Width W1 mm 1170 1170 3.11 Turning Radius r mm 2172 2172 3.12 Ground Clearance of Mast H5 mm 110 110 3.13 Ground Clearance of Wheel Base Center (Loaded) H6 mm 105 105 3.14 Right Angle Stacking Aisle Width (Pallet 1000 x 1000mm, Clearance 200mm) Ast mm 4040 4040 3.15 Right Angle Stacking Aisle Width (Pallet 1200 x 1200mm, Clearance 200mm) Ast mm 4240 4240 3.16 Lateral Fork Adjustment Max./Min. W5 mm 1038/200 1038/240 Performance 4.01 Traveling Speed (Loaded/Unloaded) km/h 12/14 12/14 4.02 Lifting Speed (Loaded/Unloaded) mm/s 350/450 320/450 4.03 Lowering Speed 4.04 Gradeability (loaded) % 12 12 Weight 5.01 Total Weight Kg 4214 4270 Battery 6.01 Battery Voltage / Capacity V/Ah 48/420 48/490 6.02 Battery Weight Kg 715 750 Motor and Controller 7.01 Driving Motor Power-60 Minutes Kw 8	3.08	Fork Size: Length x Width x Thickness	LxWxT	mm	1070 x 100 x 40	1070 x 120 x 40		
3.11 Turning Radius	3.09	Overall Length (Fork Excluded)	L'	mm	2353	2353		
3.12 Ground Clearance of Mast	3.10	Overall Width	W1	mm	1170	1170		
3.13 Ground Clearance of Wheel Base Center (Loaded) H6 mm 105 105 3.14 Right Angle Stacking Aisle Width (Pallet 1000 x 1000mm, Clearance 200mm) 3.15 Right Angle Stacking Aisle Width (Pallet 1200 x 1200mm, Clearance 200mm) 3.16 Lateral Fork Adjustment Max./Min. W5 mm 1038/200 1038/240 Performance 4.01 Traveling Speed (Loaded/Unloaded) km/h 12/14 12/14 4.02 Lifting Speed (Loaded/Unloaded) mm/s 350/450 320/450 4.03 Lowering Speed 4.04 Gradeability (loaded) % 12 12 Weight 5.01 Total Weight Kg 4214 4270 Battery 6.01 Battery Voltage / Capacity Kg 715 750 Motor and Controller 7.01 Driving Motor Power-60 Minutes Kw 8	3.11	Turning Radius	r	mm	2172	2172		
3.14 Right Angle Stacking Aisle Width (Pallet 1000 x 1000mm, Clearance 200mm) Ast mm 4040 4040 3.15 Right Angle Stacking Aisle Width (Pallet 1200 x 1200mm, Clearance 200mm) Ast mm 4240 4240 3.16 Lateral Fork Adjustment Max./Min. W5 mm 1038/200 1038/240 Performance	3.12	Ground Clearance of Mast	H5	mm	110	110		
3.14 1000mm, Clearance 200mm) 3.15 Right Angle Stacking Aisle Width (Pallet 1200 x 1200mm, Clearance 200mm) 3.16 Lateral Fork Adjustment Max./Min. Performance 4.01 Traveling Speed (Loaded/Unloaded) 4.02 Lifting Speed (Loaded/Unloaded) 4.03 Lowering Speed 4.04 Gradeability (loaded) Weight 5.01 Total Weight Battery 6.01 Battery Voltage / Capacity Motor and Controller 7.01 Driving Motor Power-60 Minutes Ast mm 4040 404 4040	3.13	Ground Clearance of Wheel Base Center (Loaded)	H6	mm	105	105		
1200mm, Clearance 200mm Ast IIIII 4240 4240 4240	3.14		Ast	mm	4040	4040		
Performance 4.01 Traveling Speed (Loaded/Unloaded) km/h 12/14 12/14 4.02 Lifting Speed (Loaded/Unloaded) mm/s 350/450 320/450 4.03 Lowering Speed mm/s <600	3.15		Ast	mm	4240	4240		
4.01 Traveling Speed (Loaded/Unloaded) km/h 12/14 12/14 4.02 Lifting Speed (Loaded/Unloaded) mm/s 350/450 320/450 4.03 Lowering Speed mm/s <600	3.16	Lateral Fork Adjustment Max./Min.	W 5	mm	1038/200	1038/240		
4.02 Lifting Speed (Loaded/Unloaded) mm/s 350/450 320/450 4.03 Lowering Speed mm/s <600		Performance						
4.03 Lowering Speed mm/s <600	4.01	Traveling Speed (Loaded/Unloaded)		km/h	12/14	12/14		
4.04 Gradeability (loaded) % 12 12 Weight 5.01 Total Weight Kg 4214 4270 Battery 6.01 Battery Voltage / Capacity V/Ah 48/420 48/490 6.02 Battery Weight Kg 715 750 Motor and Controller 7.01 Driving Motor Power-60 Minutes Kw 8	4.02	Lifting Speed (Loaded/Unloaded)		mm/s	350/450	320/450		
Weight Kg 4214 4270 Battery 6.01 Battery Voltage / Capacity V/Ah 48/420 48/490 6.02 Battery Weight Kg 715 750 Motor and Controller 7.01 Driving Motor Power-60 Minutes Kw 8	4.03	Lowering Speed		mm/s	<600	<600		
5.01 Total Weight Kg 4214 4270 Battery 6.01 Battery Voltage / Capacity V/Ah 48/420 48/490 6.02 Battery Weight Kg 715 750 Motor and Controller 7.01 Driving Motor Power-60 Minutes Kw 8	4.04	Gradeability (loaded)		%	12	12		
Battery 6.01 Battery Voltage / Capacity V/Ah 48/420 48/490 6.02 Battery Weight Kg 715 750 Motor and Controller 7.01 Driving Motor Power-60 Minutes Kw 8		Weight						
Battery 6.01 Battery Voltage / Capacity V/Ah 48/420 48/490 6.02 Battery Weight Kg 715 750 Motor and Controller 7.01 Driving Motor Power-60 Minutes Kw 8	5.01	Total Weight		Kg	4214	4270		
6.02 Battery Weight Kg 715 750 Motor and Controller 7.01 Driving Motor Power-60 Minutes Kw 8		Battery						
6.02 Battery Weight Kg 715 750 Motor and Controller 7.01 Driving Motor Power-60 Minutes Kw 8	6.01	Battery Voltage / Capacity		V/Ah	48/420	48/490		
Motor and Controller 7.01 Driving Motor Power-60 Minutes Kw 8					715	750		
7.01 Driving Motor Power-60 Minutes Kw 8								
	7.01			Kw		8		
7.02 EITHING MOTOLOT POWER (55 1576) KW 12		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				Mpa				





