



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%.





# 3-4t

## H SERIES BATTERY POWERED COUNTER-BALANCE FORKLIFT

### Enclosed protection

The control levers are placed on the right side of seat. The lower parts of control board, including multi-way valve and cardan joint, are protected by shielding panel from dust damage.



### 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.



### High efficiency and more energy saving

The special tires for electric forklift with low rolling resistance generate high efficiency and more energy saving effect, while the optimized wheel base design ensures more stable driving and steering performance.

### 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.



**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 *6/12
M400	4000	3000	3300 *3500	4000	2615	2615	2700	6/6 *6/12
M425	4250	2850 *3000	3200 *3500	3800	2740	2740	2825	6/6 *6/12
M450	4500	2600 *3000	2900 *3100	3500	2865	2865	2950	6/6 *6/12
M500	5000	2100 *2850	2400 *2750	3200	3115	3115	3200	6/6 *6/6
M550	5500	*2400	1800 *2400	2600	3415	3415	3500	*3/6
M600	6000	*2200	1400 *2200	2400	3665	3665	3750	*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)
		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 *6/12
ZM370	3700	2850 *3000	3500	4000	2415	2415	2500	1175	1175	1263	6/6 *6/12
ZM400	4000	2700 *3000	3200 *3500	4000	2615	2615	2700	1375	1375	1413	6/6 *6/12
ZM425	4250	2550 *2850	3100 *3200	3800	2740	2740	2825	1500	1500	1538	6/6 *6/12
ZM450	4500	2400 *2700	3000 *3050	3500	2865	2865	2950	1625	1625	1663	6/6 *6/6
ZM500	5000	2000 *2400	2500 *2850	3200	3115	3115	3200	1875	1875	1913	*3/6
ZM550	5500	1600 *2200	*2500	2600	3415	3415	3500	2175	2175	2163	*3/6
ZM600	6000	1200 *1900	*2300	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 *6/6
ZSM400	4000	3000	3500	4000	1898	1898	1993	661	661	756	6/6 *6/6
ZSM435	4350	2800 *2850	3100 *3200	3300 *4000	2015	2015	2110	778	778	873	6/6 *6/6
ZSM450	4500	2500 *2700	2800 *3000	3000 *3500	2065	2065	2160	828	828	923	6/6 *6/6
ZSM480	4800	2250 *2450	2500 *2750	2700 *3200	2165	2165	2260	928	928	1023	6/6 *6/6
ZSM500	5000	2100 *2300	2300 *2600	2500 *3000	2232	2232	2327	995	995	1090	6/6 *6/6
ZSM550	5500	1600 *2100	1700 *2300	2000 *2500	2398	2398	2493	1161	1161	1256	3/6 *3/6
ZSM600	6000	1200 *1900	1300 *2100	1500 *2300	2615	2615	2710	1378	1378	1473	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) 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.

# Manufacturer'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		$\alpha/\beta$	°	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	350/350	
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	

