



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%.



# VMAX USA

# 5-6t

## H series Lithium Battery powered Counterbalance Forklift



### Bright LED headlights

The headlight unit makes it safer to work at night.



### Reinforced working device

Lifting unit is configured with 8-plate chain, greatly improving the operating safety with full load.



### Ergonomic man-machine interactive system

The forklift is equipped with 4.3 inch LCD instrument. The speed, power, steering angle and other indicators are displayed in real-time.



### Quick charging system

The large capacity lithium battery (76.8V 840AH), with national standard Double Gun charging pile (400A), ensures full charge in two hours.



### Hydraulic dual exchange cooling system

The hydraulic oil tank are equipped with main and auxiliary tank. The oil capacity and cooling area are increased, thus ensuring the steady work of hydraulic system.



### Steering angle control system

Angle potentiometer monitors and transfers the location of steering wheel to the control system, thus realizing steering speed control.

### Optimized working configuration

Thanks to the standard wide-view and 3-stage free lifting mast, the rear chain enhances the operation vision by 12%.

### Giant tyres, heavier load

The front driving wheel adopts 300-15 tyre with wide tread, which carries heavier loads.



### WIDE VIEW MAST

Mast model	Max.lifting height	Load capacity (load center 500mm)(kg)			Mast overall height(mm)			Mast tilting angle (front/rear)
		5.0t	5.5t	6.0t	5.0t	5.5t	6.0t	
M300	3000	5000	5500	6000	2330	2330	2330	6/12
M350	3500	5000	5400	5800	2580	2580	2580	6/12
M400	4000	4500	4850	5200	2880	2880	2880	6/6
M450	4500	4200	4350	4500	3130	3130	3130	6/6
M500	5000	3800	3900	4000	3380	3380	3380	6/6
M550	5500	3200	3350	3500	3630	3630	3630	3/6
M600	6000	2600	2800	3000	3930	3930	3930	3/6

Note: (1)free lifting height: +150mm

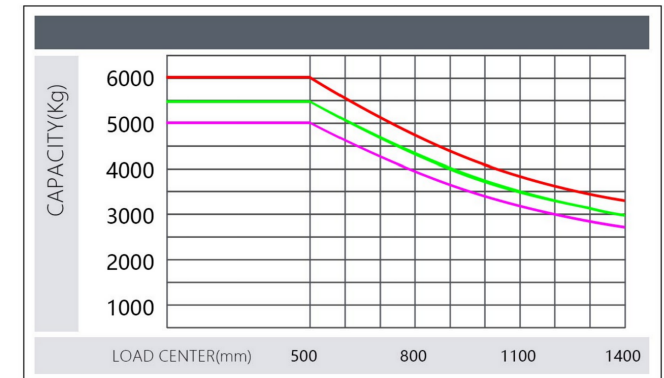


### WIDE VIEW FULL FREE 2-STAGE MAST

Mast model	Max.lifting height	Load capacity (load center 500mm)(kg)			Mast overall height(mm)		Free lifting height (with backrest) mm		Mast tilting angle (front/rear)
		5.0t	5.5t	6.0t	5.0t/5.5t/6.0t	5.0t/5.5t/6.0t			
ZM200	2000	5000	5500	6000	1880		590	6/12	
ZM250	2500	5000	5500	6000	2130		840	6/12	
ZM300	3000	5000	5500	6000	2380		1090	6/6	
ZM330	3300	5000	5500	6000	2530		1240	6/6	
ZM350	3500	5000	5400	5800	2630		1340	6/6	
ZM370	3700	4800	5200	5600	2755		1465	6/6	
ZM400	4000	4600	4900	5200	2930		1640	6/6	

Note: (1)free lifting height (without backrest): +271mm

CPD60 CPD55 CPD50



### WIDE VIEW FULL FREE 3-STAGE MAST

Mast model	Max.lifting height	Load capacity (load center 500mm)(kg)			Mast overall height(mm)			Free lifting height (with backrest) mm			Mast tilting angle (front/rear)
		5.0t	5.5t	6.0t	5.0t	5.5t	6.0t	5.0t	5.5t	6.0t	
ZSM360	3600	4350		5000	2090		2090	840		840	6/6
ZSM400	4000	4200		4700	2223		2223	974		974	6/6
ZSM420	4200	4100		4500	2290		2290	1040		1040	6/6
ZSM435	4350	3900		4300	2340		2340	1090		1090	6/6
ZSM450	4500	3800		4200	2390		2390	1140		1140	6/6
ZSM480	4800	3500		4000	2490		2490	1240		1240	6/6
ZSM500	5000	3400		3800	2557		2557	1307		1307	6/6
ZSM550	5500	2800		3200	2723		2723	1474		1474	3/6
ZSM600	6000	2200		2600	2990		2990	1690		1690	3/6

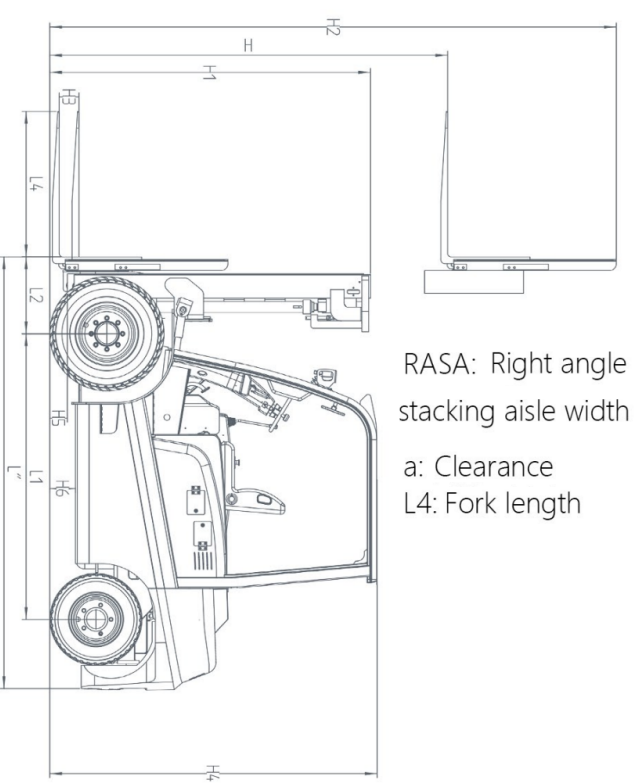
Note: (1)free lifting height (without backrest): +550mm

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			CPD50	CPD55	CPD60
1.03	Configuration Model			HI2/HI2LI	HI2/HI2LI	HI2/HI2LI
1.04	Rated Capacity	Q	kg	5000	5500	6000
1.05	Load Center Distance	C	mm	500	500	500
1.06	Power Type			Battery	Battery	Battery
1.07	Driving Type			Seated	Seated	Seated
1.08	Wheel Base	L1	mm	2100	2100	2100
Tyres						
2.01	Tyre Type			Pneumatic	Pneumatic	Pneumatic
2.02	Wheel Number (front/rear)			2/2	2/2	2/2
2.03	Front wheel base	W3	mm	1280	1280	1280
2.04	Rear wheel base	W2	mm	1190	1190	1190
2.05	Tyre (front)			300-15-14PR	300-15-14PR	300-15-14PR
2.06	Tyre (rear)			7.00-12SE	7.00-12SE	7.00-12SE
Size						
3.01	Front Overhang	L2	mm	565	565	565
3.02	Mast Tilting Angle, Front/Rear	$\alpha/\beta$	°	6/12	6/12	6/12
3.03	Height with Mast Retraction	H1	mm	2230	2230	2230
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	4280	4280	4280
3.07	Overall Guard Height	H4	mm	2255	2255	2255
3.08	Fork Size: Length x Width x Thickness	L x W x T	mm	1070 x 150 x 50	1070 x 150 x 50	1220 x 150 x 60
3.09	Fork carriage, DIN standard			3A	3A	4A
3.10	Overall Length (Fork Excluded)	L'	mm	3185	3185	3185
3.11	Overall Width	W1	mm	1600	1600	1600
3.12	Turning Radius	r	mm	2930	2930	2930
3.13	Ground Clearance of Mast	H5	mm	170	170	170
3.14	Ground clearance of wheel base center (loaded)	H6	mm	200	200	200
3.15	Right Angle Stacking Aisle Width (Pallet 1000 x 1000mm, Clearance 200mm)	Ast	mm	4895	4895	4895
3.16	Right Angle Stacking Aisle Width (Pallet 1200 x 1200mm, Clearance 200mm)	Ast	mm	5095	5095	5095
3.17	Lateral Fork Adjustment Max./Min.	W5	mm	1380/300	1380/300	1380/300
Performance						
4.01	Traveling Speed (Loaded/Unloaded)		km/h	14/15	13/14	13/14
4.02	Lifting Speed (Loaded/Unloaded)		mm/s	300/400	280/400	260/400
4.03	Lowering Speed		mm/s	400	400	400
4.04	Gradeability (loaded)		%	14	13	12
Weight						
5.01	Total Weight		Kg	7300/6720	8050/6185	8274/6184
5.02	Axle load (unloaded), front/rear		Kg	3239/4045	3567/4482	3663/4611
5.03	Axle load (loaded), front/rear		Kg	10775/1509	11856/1693	12706/1568
Lithium Battery						
6.01	Lithium Battery Voltage / capacity		V/Ah	80/630	80/700	80/700(800)
6.02	Lithium Battery weight (with battery box)		Kg	1565	1865	2090
Motor and controller						
7.01	Driving motor power-60 minutes		Kw	18	19	19
7.02	Lifting motor power (S3 15%)		Kw	26	26	26
7.03	Driving motor control mode			MOSFET/AC	MOSFET/AC	MOSFET/AC
7.04	Lifting motor control mode			MOSFET/AC	MOSFET/AC	MOSFET/AC
7.05	Service brake / parking brake			Hydraulic / Mechanical		
7.06	Hydraulic system working pressure		Mpa	20	20	20



RASA: Right angle stacking aisle width  
a: Clearance  
L4: Fork length

