



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.



2.5-3.5t

2.5-3.5TON DIESEL ROUGH TERRAIN FORKLIFT



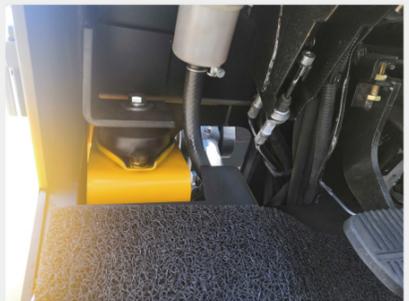
High ground clearance

The ground clearance is as high as 275mm, ensuring for excellent maneuverability and trafficability.



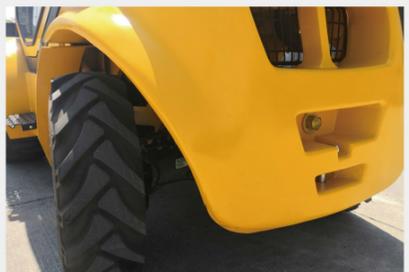
Large steering angle

The Steering cylinder is placed on the upper part of the compact steering and driving axle, making the steering angle larger, while the turning radius smaller.



The suspended overall guard

The multi-stage damping overall guard with suspended structure, offer more comfort for the driver.



High quality tyres

Thanks to the high quality tyres with wide tread and large pattern, the forklift represents excellent stability and driving force.

Wide-view mast

The wide view of mast improves the operation safety and work efficiency.

Reinforced frame structure

Through finite element analysis, the main force bearing points are strengthened to ensure the vehicle operation performance. it can be compatible with dual-drive and four-drive models as well.



WIDE VIEW MAST

Mast model	Max.lifting height (mm)	Load capacity (load center 500mm)(kg)			Mast overall height(mm)			Mast tilting angle (front/rear)
		2.5t	3.0t	3.5t	2.5t	3.0t	3.5t	
M200	2000	2500	3000	3500	1715	1770	1770	10°/12°
M250	2500	2500	3000	3500	1965	2020	2020	10°/12°
M270	2700	2500	3000	3500	2065	2120	2120	10°/12°
M300	3000	2500	3000	3500	2215	2270	2270	10°/12°
M330	3300	2500	3000	3500	2365	2420	2420	10°/12°
M350	3500	2500	3000	3500	2465	2520	2520	10°/12°
M370	3700	2500	3000	3500	2565	2620	2620	10°/12°
M400	4000	2500	3000	3200	2765	2820	2820	10°/12°
M425	4250	2350	2850	3100	2890	2945	2945	8°/10°
M450	4500	2200	2750	3000	3015	3070	3070	8°/10°
M475	4750	2000	2600	2700	3140	3195	3195	8°/10°
M500	5000	1700	2400	2500	3265	3375	3375	8°/10°
M550	5500	1500	2250	2300	3565	3620	3620	8°/8°
M600	6000	1000	1500	1800	3815	3870	3870	8°/8°

Note: (1)free lifting height (without backrest):+160mm

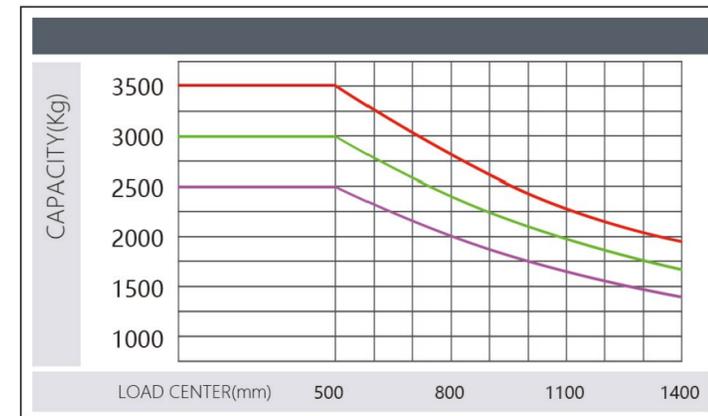


WIDE VIEW FULL FREE 2-STAGE MEST

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)
		2.5t	3.0t	3.5t	2.5t	3.0t	3.5t	2.5t	3.0t	3.5t	
ZM200	2000	2500	3000	3500	1655	1795	1795	644	426	426	10°/12°
ZM250	2500	2500	3000	3500	1905	2045	2045	794	676	676	10°/12°
ZM270	2700	2500	3000	3500	2005	2145	2145	894	776	776	10°/12°
ZM300	3000	2500	3000	3500	2155	2295	2295	944	926	926	10°/12°
ZM330	3300	2500	3000	3500	2305	2445	2445	1094	1076	1076	10°/12°
ZM350	3500	2500	3000	3500	2405	2545	2545	1194	1176	1176	10°/12°
ZM370	3700	2500	3000	3500	2505	2645	2645	1294	1276	1276	10°/12°
ZM400	4000	2500	3000	3500	2705	2845	2845	1494	1426	1426	10°/12°

Note: (1)free lifting height (without backrest):2.5T +433 3-3.5T +534mm

— CPCD35-WD
 — CPCD30-WD
 — CPCD25-WD



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.

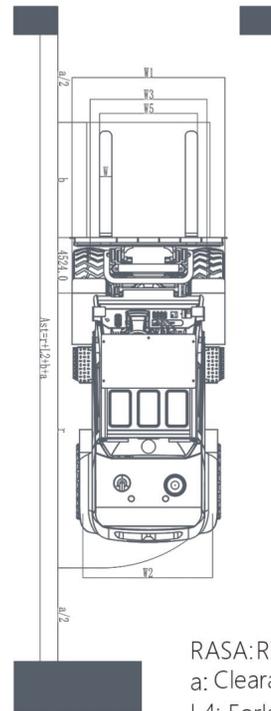
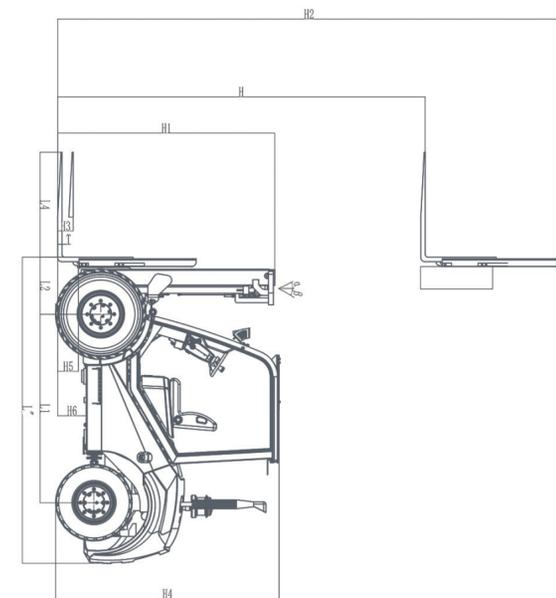
WIDE VIEW FULL FREE 3-STAGE MAST

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)
		2.5t	3.0t	3.5t	2.5t	3.0t	3.5t	2.5t	3.0t	3.5t	
ZSM360	3600	2400	3000	3300	1915	1970	1970	704	601	601	8°/10°
ZSM400	4000	2400	2900	3200	2048	2103	2103	837	734	734	8°/10°
ZSM420	4200	2300	2850	3100	2115	2170	2170	904	801	801	8°/10°
ZSM435	4350	2200	2800	3000	2165	2220	2220	954	851	851	8°/10°
ZSM450	4500	2150	2700	2900	2215	2270	2270	1004	901	901	8°/10°
ZSM480	4800	1950	2500	2700	2315	2370	2370	1104	1001	1001	8°/10°
ZSM500	5000	1650	2300	2450	2382	2437	2437	1171	1068	1068	8°/10°
ZSM550	5500	1400	2000	2250	2548	2603	2603	1337	1234	1234	8°/8°
ZSM600	6000	1000	1500	1700	2765	2820	2820	1554	1451	1451	8°/8°

Note: (1)free lifting height (without backrest):2.5T +433 3-3.5T +534mm

Engine Model and Main Specification for Option

Internal Combustion Engine Model	Rated power/speed (kw/rpm)	Rated torque/speed (Nm/rpm)	Internal Combustion Engine Displacement	Cylinder number BorexStroke	Emission
3H50TIC HATZ 3H50TIC	42/2800	185/1600 ~ 2000	1.464	(3-84x88)	STAGE III B/Tier4 F
3E22YG51 XINCHAI 3E22YG51	44.8/2400	210/1600-1800	2.23	(3-94×107)	(EuroV)
4JG2PE-01 ISUZU 4JG2PE-01	46/2450	186/1700±100	3.059	(4-95.4×107)	(EuroII)
S4S-DPEU2 Mitsubishi S4S-DPEU2	35.3/2250	177/1700	3.331	(4-94×120)	(EuroIII A)
4TNE98 YANMAR 4TNE98	42.1/2300	186/1700	3.319	(4×98×110)	(EuroIII A)
KDI1903TCR KERLER KDI1903TCR	42/2600	225/1500	1.861	(3×88×102)	STAGE III B/Tier4 F



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



ManuFacter's Data and Design Characteristics											
Characteristics											
1.01	Manufacturer										
1.02	Model					CPCD25-2WD	CPCD30-2WD	CPCD35-2WD	CPCD25-4WD	CPCD30-4WD	CPCD35-4WD
1.03	Rated Capacity			Q	kg	2500	3000	3500	2500	3000	3500
1.04	Load Center Distance			C	mm	500	500	500	500	500	500
1.05	Power Type					Diesel	Diesel	Diesel	Diesel	Diesel	Diesel
1.06	Driving Type					Seated	Seated	Seated	Seated	Seated	Seated
1.07	Wheel Base			L1	mm	1920	1920	1920	1920	1920	1920
Tyres											
2.01	Tyre Type					Vacuum	Vacuum	Vacuum	Vacuum	Vacuum	Vacuum
2.02	Wheel Number (front/rear)					2/2	2/2	2/2	2/2	2/2	2/2
2.03	Front Tread			W3	mm	1250	1250	1250	1200	1200	1200
2.04	Rear Tread			W2	mm	1196	1196	1196	1206	1206	1206
2.05	Tyre (front)					14-17.5-14PR	14-17.5-14PR	14-17.5-14PR	14-17.5-14PR	14-17.5-14PR	14-17.5-14PR
2.06	Tyre (rear)					10.0/75-15.3-12PR	10.0/75-15.3-12PR	10.0/75-15.3-12PR	10.0/75-15.3-12PR	10.0/75-15.3-12PR	10.0/75-15.3-12PR
Size											
3.01	Front Overhang			L2	mm	595	610	610	595	610	610
3.02	Mast Tilting Angle, Front/Rear			α/β	°	10/12	10/12	10/12	10/12	10/12	10/12
3.03	Height with Mast Retraction			H1	mm	2215	2270	2270	2215	2270	2270
3.04	Free Lifting Height			H3	mm	150	160	160	150	160	160
3.05	Max. Lifting Height			H	mm	3000	3000	3000	3000	3000	3000
3.06	Max. Height After Lifting			H2	mm	4200	4410	4410	4200	4410	4410
3.07	Overall Guard Height			H4	mm	2260	2260	2260	2260	2260	2260
3.08	Fork Size: Length x Width x Thickness			L x W x T	mm	1070x120x40	1070x125x50	1070x125x50	1070x120x40	1070x125x50	1070x125x50
3.09	Overall Length (Fork Excluded)			L'	mm	3135	3150	3150	3135	3150	3150
3.10	Overall Width			W1	mm	1600	1600	1600	1560	1560	1560
3.11	Turning Radius			r	mm	2800	2800	2800	3200	3200	3200
3.12	Ground Clearance of Mast			H5	mm	270	270	270	270	270	270
3.14	Right Angle Stacking Aisle Width (Pallet 1000 x 1000mm, Clearance 200mm)			Ast	mm	4595	4610	4610	4995	5010	5010
3.15	Right Angle Stacking Aisle Width (Pallet 1200 x 1200mm, Clearance 200mm)			Ast	mm	4795	4810	4810	5195	5210	5210
3.16	Lateral Fork Adjustment Max./Min.			W5	mm	1500/240	1500/250	1500/250	1500/240	1500/250	1500/250
Performance											
4.01	Traveling Speed (Loaded/Unloaded)				km/h	21/22	20/21	20/21	21/22	20/21	20/21
4.02	Lifting Speed (Loaded/Unloaded)				mm/s	560/590	500/530	450/480	550/580	490/520	430/450
4.03	Lowering Speed				mm/s	450/500	450/500	450/500	450/500	450/500	450/500
4.04	Gradeability (loaded)				%	20	18	16	50	47	45
Weight											
5.01	Total Weight				Kg	4680	5150	5280	4950	5400	5560
Combustion-engine											
6.01	Engine manufacturer/Model					A498	A498	A498	4TNE98	4TNE98	4TNE98
6.02	Rated power/Speed				Kw/rpm	36.8/2400	36.8/2400	36.8/2400	42.1/2300	42.1/2300	42.1/2300
6.03	Max. torque/Speed				Nm/rpm	186/1600~1800	186/1600~1800	186/1600~1800	187/1700	187/1700	187/1600
6.04	Cylinder number-bore x stroke					4-98x105	4-98x105	4-98x105	4-98x110	4-98x110	4-98x110
6.05	Engine displacement				L	3.167	3.167	3.167	3.319	3.319	3.319
6.06	Emission					Euro III					
6.07	Transmission gears (front/rear)					1/1	1/1	1/1	2/1	2/1	2/1
6.08	Fuel tank capacity				L	62	62	62	62	62	62
Additional data											
7.01	Service brake/parking brake					Hydraulic/Mechanical	Hydraulic/Mechanical	Hydraulic/Mechanical	Hydraulic/Mechanical	Hydraulic/Mechanical	Hydraulic/Mechanical

