VMAX

2.0-5.0 T

Rough Terrain Forklift

◎前后大花纹轮胎，抓地力强，耐磨性强，增强越野通过性。

Equipped with large-pattern tires for superior traction, high wear resistance, and improved off-road performance.

◎标配高排气和进气预滤器，避免灰尘被吸入发动机，在恶劣工作环境中为发动机提供更好保护。

A standard high-mounted exhaust and intake pre-filter system prevents dust ingestion, ensuring improved engine protection in harsh environment.

◎机罩开启角度大，维修保养便捷。

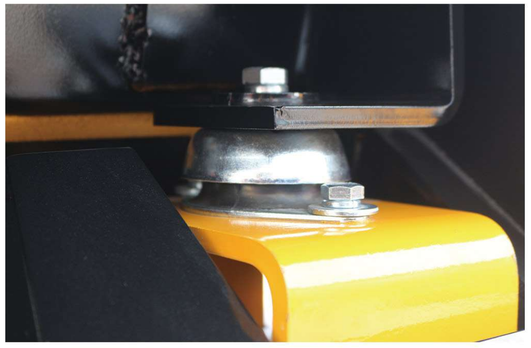
The engine hood opens at a wide angle, allowing easy access for maintenance and service.

◎水箱配备进气防护罩，防止杂物进入水箱散热器和发动机舱，提高冷却效率，防止发动机过热。

An intake guard is installed on the radiator to block debris from entering the radiator and engine compartment for enhanced cooling performance and

◎悬浮式护顶架减震效果更好。护顶架和仪表台集成一体，刚性好，抗冲击能力强。

The floating overhead guard delivers superior vibration damping. Integrated design with the dashboard ensures high structural rigidity and enhanced impact resistance.



◎前后组合大灯，USB充电口等配置，为驾驶员提供更好的工作条件。

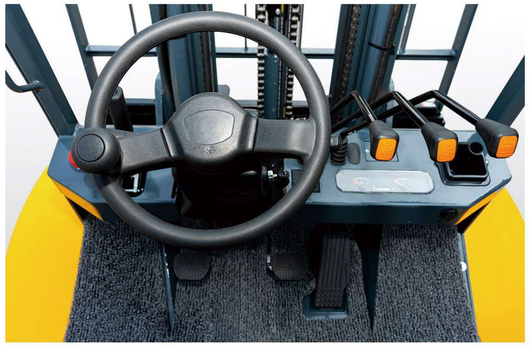
Front and rear combination lights, USB charging port, and other features provide improved working conditions for the operator resistance.

◎可选装驾驶室及空调。护顶架或驾驶室顶部设有加强筋和亚克力板保护，保障驾驶员工作安全与舒适。

Optional cabin and air conditioning are available. The reinforced ribs and acrylic panel protection to enhance operator safety and comfort.

◎操纵手柄右置，换向、灯光手柄轿车化布置，小直径方向盘，操作方便，体验舒适。

The control lever is positioned on the right with a vehicle layout for the directional and light buttons. The small-diameter steering wheel ensures easy operation.

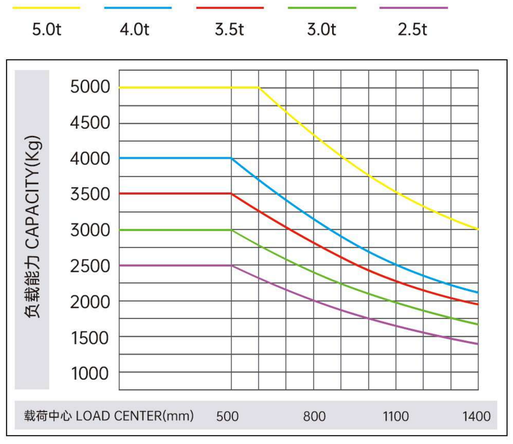


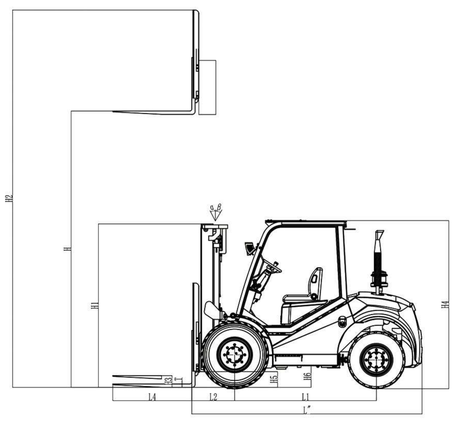
◎提供多种发动机选择，可搭载康明斯、久保田、新柴欧五等高端发动机发动机。

Multiple engine options are available, including imported Cummins and Kubota engines, as well as XINCHAI EUROV engine.

◎可选配拇指操控系统，紧急断电、起升等功能按钮集成在操作扶手上，操作简单直观。

Optional thumb-operated control system integrates emergency power cut-off, lifting, and other function buttons into the armrest for straightforward and intuitive operation.



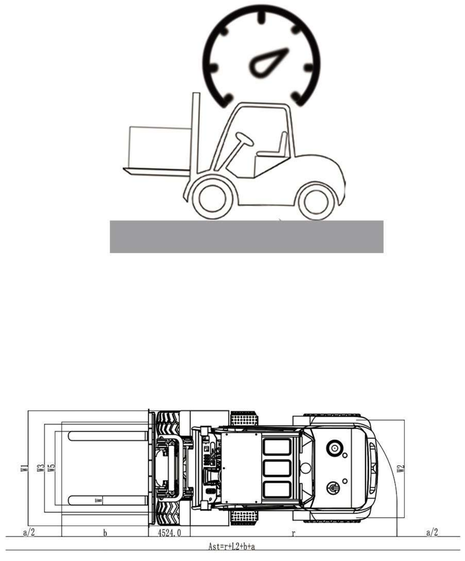


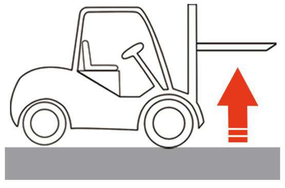
◎减速箱降低转速、增大扭矩，使叉车通过性更高，牵引力更强。

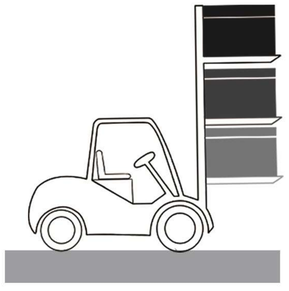
Integrated reduction gearbox delivers lower speed and higher torque, enhancing off-road capability and traction.

◎四驱越野叉车转向油缸位于转向桥上部，增大后轮转向角度，减小转弯半径。

The steering cylinder of the 4WD rough terrain forklift is positioned above the steering axle to increase steering angle and reduce turning radius.







TECHNICAL DATAS

	General												
1.01	Model			CPCD25RT2	CPCD30RT2	CPCD35RT2	CPCD40-2WD	CPCD50RT2	CPCD25RT4	CPCD30RT4	CPCD35RT4	CPCD40RT4	CPCD50RT4
1.02	Rated capacity	Q	Kg	2500	3000	3500	4000	5000	2500	3000	3500	4000	5000
1.03	Load center distance	C	mm	500			500	600	500				600
1.04	Power type			Diesel			Diesel	Diesel	Diesel				Diesel
1.05	Driving type			Seated			Seated	Seated	Seated				Seated
1.06	Wheel base	L1	mm	1920			1990	2150	1920			1990	2150
	Tyres												
2.01	Tyre type			Vacuum			Vacuum	Vacuum	Vacuum				Vacuum
2.02	Wheel number (front/rear)			2/2			2/2	4/2	4/2				4/2
2.03	Front tread	W3	mm	1250			1220	1660	1200			1220	1660
2.04	Rear tread	W2	mm	1196			970	1760	1206			970	1760
2.05	Tyre (front)			14-17.5-14PR			14-17.5-14PR	445/65-22.5	14-17.5-14PR				445/65-22.5
2.06	Tyre (rear)			10.0/75-15.3-12PR			10-16.5-12PR	12.5/80-18	10.0/75-15.3-12PR			10-16.5-12PR	12.5/80-18
	Size												
3.01	Front overhang	L2	mm	595	610	610	595	735	595	610	610	595	735
3.02	Mast tilting angle, front/rear	α/β	°	10/12	10/12	10/12	10/12	15/15	10/12	10/12	10/12	10/12	15/15
3.03	Height with mast retraction	H1	mm	2215	2270	2270	2290	2685	2215	2270	2270	2290	2685
3.04	Free lifting height	H3	mm	150	160	160	150	260	150	160	160	150	260
3.05	Max. lifting height	H	mm	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000
3.06	Max. height after lifting	H2	mm	4200	4410	4410	4410	4534	4200	4410	4410	4410	4534
3.07	Overall guard height	H4	mm	2260	2260	2260	2260	2575	2260	2260	2260	2260	2575
3.08	Fork size: length x width x thickness	L x W x T	mm	1070x120x40	1070x125x50	1070x125x50	1070x150x50	1220x150x60	1070x120x40	1070x125x50	1070x125x50	1070x150x50	1220x150x60
3.09	Overall length (fork excluded)	L'	mm	3135	3150	3150	3205	4865	3085	3150	3150	3205	4865
3.10	Overall width	W1	mm	1600			1600	2105	1560			1600	2105
3.11	Turning radius	r	mm	2800			3250	3550	3200			3250	4150
3.12	Ground clearance of mast	H5	mm	270			270	385	270			270	385
3.13	Lateral fork adjustment Max./Min.	W5	mm	1500/240	1500/250	1500/250	1300/300	290-1950	1500/240	1500/250	1500/250	1300/300	290-1950
	Performance												
4.01	Travelling speed (loaded/unloaded)		km/h	21/22	20/21	20/21	20/21	25/25	21/22	20/21	20/21	20/21	25/25
4.02	Lifting speed (loaded/unloaded)		mm/s	560/590	500/530	450/480	400/450	0.45/0.52	550/580	490/520	430/450	400/450	0.45/0.52
4.03	Lowering speed		mm/s	450/500	450/500	450/500	450/500	0.5/0.43	450/500	450/500	450/500	450/500	0.5/0.43
4.04	Gradeability (loaded)		%	20	18	16	20	42	50	47	45	20	55
	Weight												
5.01	Total weight		Kg	4680	5150	5280	5810	8700	4950	5400	5560	5860	8900
	Combustion engine												
6.01	Engine manufacturer /Model			XINCHAI A498BPG			IZUSU/4JG2PE	CUMMINS QSF3.8t3TC115	XINCHAI A498BPG				CUMMINS QSF3.8t3TC115
6.02	Rated power /Speed		Kw/rpm	45/2500			46/2450	86/2200	45/2500				86/2200
6.03	Max. torque /Speed		Nm/rpm	193/1800 ~ 2000			186/1700±100	470/1100-1700	193/1800 ~ 2000				470/1100-1700
6.04	Cylinder number -bore×stroke			4-98×105			4-95.4×107	4	4-98×105				4
6.05	Engine displacement		L	3.167			3.059	3.76	3.167				3.76
6.06	Emission			Stage III			Stage II	Stage IIIA	Stage III				Stage IIIA
	Transmission												
7.01	Transmission gears (front/rear)			1-1 Power Shift			2/1	/	2/1				/
7.02	Fuel tank capacity		L	62			62	120	62				120
	Additional data												
8.01	Service brake / parking brake			Hydraulic/Mechanical			Hydraulic/Mechanical	Hydraulic/Mechanical	Hydraulic/Mechanical				Hydraulic/Mechanical

WIDE VIEW MAST

Mast model	Max.lifting height (mm)	Load capacity (kg) (load center 500mm)				Mast overall height (mm)				Mast tilting angle° (front/rear)
		2.5t	3t	3.5t	4t	2.5t	3t	3.5t	4t	
M300	3000	2500	3000	3500	4000	2215	2270	2270	2290	10/12
M330	3300	2500	3000	3500	4000	2365	2420	2420	2440	10/12
M350	3500	2500	3000	3500	4000	2465	2520	2520	2540	10/12
M370	3700	2500	3000	3500	4000	2565	2620	2620	2640	10/12
M400	4000	2500	3000	3200	3700	2765	2820	2820	2840	10/12
M425	4250	2350	2850	3100	3400	2890	2945	2945	2965	8/10
M450	4500	2200	2750	3000	3200	3015	3070	3070	3090	8/10
M475	4750	2000	2600	2700	2800	3140	3195	3195	3215	8/10
M500	5000	1700	2400	2500	2600	3265	3320	3320	3340	8/10
M550	5500	1500	2250	2300	2400	3565	3620	3620	3640	8/8
M600	6000	1000	1500	1800	2000	3815	3870	3870	3890	8/8

WIDE VIEW FULL FREE 2-STAGE MAST

Mast model	Max.lifting height (mm)	Load capacity (kg) (load center 500mm)				Mast overall height (mm)				Free lifting height (with backrest)				Mast tilting angle° (front/rear)
		2.5t	3t	3.5t	4t	2.5t	3t	3.5t	4t	2.5t	3t	3.5t	4t	
ZM200	2000	2500	3000	3500	4000	1655	1795	1795	1790	644	376	376	371	10/12
ZM250	2500	2500	3000	3500	4000	1905	2045	2045	2040	794	626	626	651	10/12
ZM270	2700	2500	3000	3500	4000	2005	2145	2145	2140	894	726	726	721	10/12
ZM300	3000	2500	3000	3500	4000	2155	2295	2295	2290	944	876	876	871	10/12
ZM330	3300	2500	3000	3500	4000	2305	2445	2445	2440	1094	1026	1026	1021	10/12
ZM350	3500	2500	3000	3500	4000	2405	2545	2545	2540	1194	1126	1126	1121	10/12
ZM370	3700	2500	3000	3500	4000	2505	2645	2645	2640	1294	1226	1226	1221	10/12
ZM400	4000	2500	3000	3500	4000	2705	2845	2845	2840	1494	1426	1426	1421	10/12

WIDE VIEW FULL FREE 3-STAGE MAST

Mast model	Max.lifting height (mm)	Load capacity (kg) (load center 500mm)				Mast overall height (mm)				Free lifting height (with backrest)				Mast tilting angle° (front/rear)
		2.5t	3t	3.5t	4t	2.5t	3t	3.5t	4t	2.5t	3t	3.5t	4t	
ZSM360	3600	2400	3000	3300	3500	1915	1970	1970	2000	704	551	551	581	8/10
ZSM400	4000	2400	2900	3200	3400	2048	2103	2103	2133	837	684	684	714	8/10
ZSM420	4200	2300	2850	3100	3300	2115	2170	2170	2200	904	751	751	781	8/10
ZSM435	4350	2200	2800	3000	3200	2165	2220	2220	2250	954	801	801	831	8/10
ZSM450	4500	2150	2700	2900	3100	2215	2270	2270	2300	1004	851	851	881	8/10
ZSM480	4800	1950	2500	2700	2900	2315	2370	2370	2400	1104	951	951	981	8/10
ZSM500	5000	1650	2300	2450	2700	2382	2437	2437	2467	1171	1018	1018	1048	8/10
ZSM550	5500	1400	2000	2250	2500	2548	2603	2603	2633	1337	1184	1184	1214	8/8
ZSM600	6000	1000	1500	1700	1900	2765	2820	2820	2850	1554	1401	1401	1431	8/8

(1)Wide view mast free lifting height (without backrest):+160mm
(2)Wide view full free 2-stage / 3-stage mast free lifting height (without backrest):2.5T +433 mm, 3-4T +534mm

WIDE VIEW MAST

Mast model	Max. Fork Height (mm)	Overall height			Free lift		Mast tilting angle° (front/rear)
		Lowered (mm)	Extended		without backrest (mm)	with backrest (mm)	
			without backrest (mm)	with backrest (mm)			
		5t	5t	5t			
M300	3000	2685	4183	4534	160	160	15/15
M330	3300	2835	4483	4834	160	160	15/15
M350	3500	2935	4683	5034	160	160	15/15
M400	4000	3185	5183	5534	160	160	15/15
M450	4500	3485	5685	6034	160	160	15/15
M500	5000	3735	6185	6534	160	160	15/15

WIDE VIEW FULL FREE 3-STAGE MAST

Mast model	Max. Fork Height (mm)	Overall height			Free lift		Mast tilting angle° (front/rear)
		Lowered (mm)	Extended		without backrest (mm)	with backrest (mm)	
			without backrest (mm)	with backrest (mm)			
		5t	5t	5t			
ZSM400	4000	2760	5470	5534	1300	1051	15/15
ZSM450	4500	2910	5920	6034	1500	1201	15/15
ZSM480	4800	3010	6220	6334	1600	1301	15/15
ZSM500	5000	3060	6399	6534	1671	1351	15/15
ZSM550	5500	3260	6970	7034	1800	1551	15/15
ZSM600	6000	3410	7420	7534	2000	1701	15/15

2.5-5T Rough Terrain Forklift Optlonal Engines

Engine Model	Rated power/speed (kw/rpm)	Rated torque/speed (Nm/rpm)	Engine Displacement	Cylinder number Bore x Stroke	Emission Standard	Applicable to (tonnage)
XINCHAI A498BPG	45/2500	193/1800 ~ 2000	3.167	4-98×105	Stage III	2.5-4.0T
XINCHAI C490BPG	40/2650	160/1800 ~ 2000	2.67	4-90×105	Stage II	2.5T
CUMMINS QSF2.8t3NA60	43/2500	186/1100-1500	2.8	4-94×100	Stage IIIA	2.5-4.0T
KUBOTA V2607-CR-EW03	37.4/2400	174.1/1500	2.615	4-87×110	Euro V/EPAT4F	2.5-3.5T
Mitsubishi S4S-DPB	38/2300	176/1800	3.331	4-94×120	Stage IIIA	2.5-3.0T
YANMAR 4TNE98	42.1/2300	186/1700	3.319	4-98×110	Stage IIIA	2.5-3.5T
ISUZU 4JG2PE-01	46/2450	186/1700±100	3.059	4-95.4×107	Stage II	2.5-4.0T
KOHLER 1903TCR	42/2600	225/1500	1.861	3-88×102	Stage IIIB/EPAT4F	2.5-3.5T
XINCHAI 3E22YG51	44.8/2400	210/1600-1800	2.23	3-94×107	Euro V	2.5-4.0T
CUMMINS QSF3.8t3TC115	86/2200	470/1100-1700	3.76	4	Stage IIIA	5T
DEUTZ TCD 3.6 L4	55.4/2300	390/1300	3.62	4	Stage IIIB/EPAT4F	5T

ROCK-SOLID
MOUNTAIN-STEADY