



2.0-3.5 T

T series Internal Combustion Counterbalance Forklift



◎加强型护顶架采用大圆弧支腿，拓宽操作空间、优化视野；搭配新材料雨棚遮阳挡雨，驾驶更舒适。

The reinforced overhead guard with large curved support legs expands operating space and improves visibility; the advanced material canopy enhances driver comfort.

◎侧罩拆装便捷，全开引擎罩，便于快速点检与维护。

The side cover can be easily installed and removed. The engine hood opens fully, facilitating quick inspection and maintenance.



◎机罩超大开合角度，大大提高维修保养时的可视范围，提升维修人员作业效率。

The engine hood features an extra-wide opening angle, significantly improving visibility and efficiency during maintenance.



◎右置手刹人体工程学设计，提升操控便利性，释放左侧上下车空间，便于操控通行。

Ergonomic right-hand parking brake improves handling convenience, maximizes left-side access space, and facilitates easier operation and passage.

◎底板面积加大，为高大驾驶员提供最佳的驾乘舒适性与操作空间。

The enlarged floor area offers improved comfort and workspace for operators of larger stature.



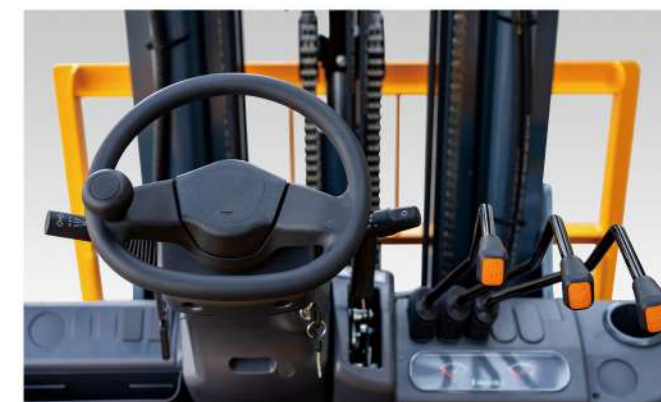
◎更大上车踏板，上下车更便捷。

An enlarged entry step improves accessibility and facilitates easier entry and dismounting.



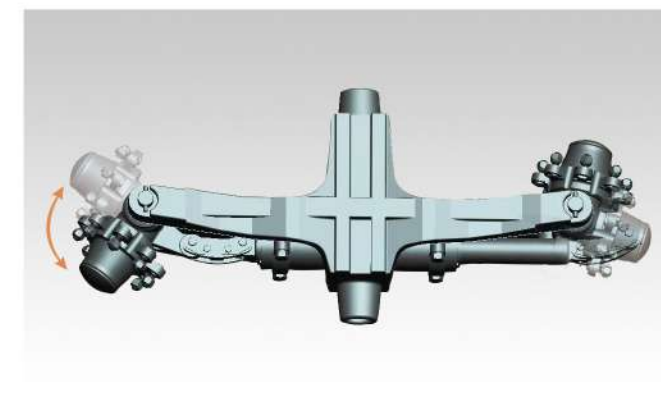
◎操纵手柄右置，换向、灯光手柄轿车化布置，小直径方向盘，操作方便，体验舒适。

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



◎匹配铸造转向桥，承载更高，耐磨性好。大转向角度，确保整车极小的转弯半径。

The cast steering axle provides higher load capacity and excellent wear resistance. The large steering angle ensures an extremely small turning radius for the vehicle.





TECHNICAL DATAS							
General							
1.01	Model			CPCD20T	CPCD25T	CPCD30T	CPCD35T
1.02	Rated capacity	Q	Kg	2000	2500	3000	3500
1.03	Load center distance	C	mm	500	500	500	500
1.04	Power type			Diesel	Diesel	Diesel	Diesel
1.05	Driving type			Seated	Seated	Seated	Seated
1.06	Wheel base	L1	mm	1600	1600	1700	1700
Tyres							
2.01	Tyre type			Pneumatic	Pneumatic	Pneumatic	Pneumatic
2.02	Wheel number (front/rear)			2X / 2	2X / 2	2X / 2	2X / 2
2.03	Front tread	W3	mm	970	970	1000	1000
2.04	Rear tread	W2	mm	970	970	970	970
2.05	Tyre (front)			7.00-12-12PR	7.00-12-12PR	28X9-15-12PR	28X9-15-12PR
2.06	Tyre (rear)			6.00-9-10PR	6.00-9-10PR	6.50-10-10PR	6.50-10-10PR
Size							
3.01	Front overhang	L2	mm	469	469	487	489
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	2000	2000	2065	2180
3.04	Free lifting height	H3	mm	150	150	150	150
3.05	Max. lifting height	H	mm	3000	3000	3000	3000
3.06	Max. height after lifting	H2	mm	4030	4030	4242	4237
3.07	Overhead guard height	H4	mm	2070	2070	2090	2090
3.08	Fork size: length x width x thickness	L x W x T	mm	1070x 100x 40	1070 x 120 x 40	1070 x 122 x 45	1070 x 122 x 50
3.09	Overall length (fork excluded)	L'	mm	2505	2575	2720	2750
3.10	Overall width	W1	mm	1150	1150	1220	1220
3.11	Turning radius	r	mm	2170	2240	2460	2500
3.12	Ground clearance of mast	H5	mm	110	110	120	120
3.13	Ground clearance of wheel base center (loaded)	H6	mm	150	150	160	160
3.14	Lateral fork adjustment Max./Min.	W5	mm	1024/200	1024/200	1060/250	1060/250
Performance							
4.01	Travelling speed (loaded/unloaded)		km/h	17/19	17/19	18/19	18/19
4.02	Lifting speed (loaded/unloaded)		mm/s	530/550	530/550	470/520	370/400
4.03	Lowering speed (loaded/unloaded)		mm/s	450/550	450/550	450/550	350/400
4.04	Gradeability (loaded/unloaded)		%	27/25	23/18	22/18	20/16
4.05	Max. traction force (loaded/unloaded)		KN	19/14	19/15	18/14	19/14
Weight							
5.01	Total weight		Kg	3270	3630	4300	4550
5.02	Axle load (unloaded), front/rear		Kg	1470/1800	1400/2230	1600/2700	1710/2840
5.03	Axle load (loaded), front/rear		Kg	4655/615	5385/745	6385/915	7130/920
Combustion engine							
6.01	Engine manufacturer /Model			XINCHAI C490BPG	XINCHAI C490BPG	XINCHAI C490BPG	XINCHAI A495BPG
6.02	Rated power /Speed		Kw/rpm	40/2650	40/2650	40/2650	42/2500
6.03	Max. torque /Speed		Nm/rpm	160/1800 ~ 2000	160/1800 ~ 2000	160/1800 ~ 2000	174/1800 ~ 2000
6.04	Cylinder number -bore×stroke			4-90×105	4-90×105	4-90×105	4-95×105
6.05	Engine displacement		L	2.67	2.67	2.67	2.977
6.06	Emission			Stage II	Stage II	Stage II	Stage II
Transmission							
7.01	Transmission gears (front/rear)			1-1 Power Shift	1-1 Power Shift	1-1 Power Shift	1-1 Power Shift
7.02	Fuel tank capacity		L	60	60	60	60
Additional data							
8.01	Service brake / parking brake			Hydraulic/Mechanical	Hydraulic/Mechanical	Hydraulic/Mechanical	Hydraulic/Mechanical
8.02	Hydraulic system working pressure		Mpa	17.5	17.5	17.5	17.5

WIDE VIEW MAST

Mast model	Max.lifting height (mm)	Load capacity (kg) (load center 500mm)				Mast overall height (mm)			Mast tilting angle° (front/rear)	
		2t	2.5t	3t	3.5t	2-2.5t	3t	3.5t	2-2.5t	3-3.5t
M300	3000	2000	2500	3000	3500	1995	2065	2120	6/12	6/12
M330	3300	2000	2500	3000	3500	2145	2215	2270	6/12	6/12
M350	3500	2000	2500	3000	3500	2245	2315	2370	6/12	6/12
M370	3700	2000	2500	3000	3500	2345	2415	2470	6-6 *6-6	6-6 *6-12
M400	4000	2000	2500	3000	3300 *3500	2545	2615	2670	6-6 *6-6	6-6 *6-12
M450	4500	1600 *1900	2100 *2400	2600 *3000	2900 *3100	2795	2865	2920	6-6 *6-6	6-6 *6-12
M500	5000	1200 *1700	1600 *1900	2100 *2850	2400 *2750	3045	3115	3170	6-6 *6-6	6-6 *6-6
M550	5500	950 *1500	1200 *1700	1650 *2400	1800 *2500	3345	3415	3470	*3-6	*3-6
M600	6000	700 *1200	900 *1400	1200 *2100	1400 *2300	3595	3665	3720	*3-6	*3-6

WIDE VIEW FULL FREE 2-STAGE MAST

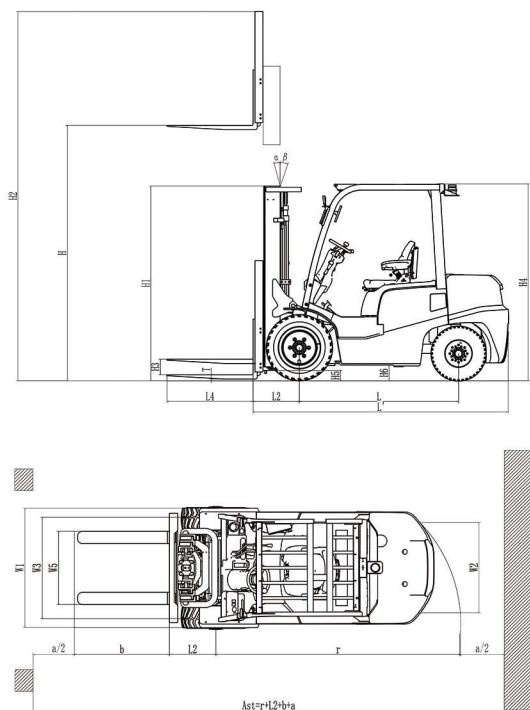
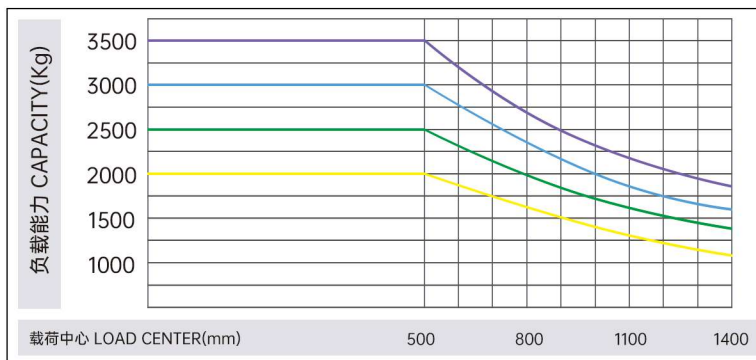
Mast model	Max.lifting height (mm)	Load capacity (kg) (load center 500mm)				Mast overall height (mm)			Free lifting height (with backrest)			Mast tilting angle° (front/rear)	
		2t	2.5t	3t	3.5t	2-2.5t	3t	3.5t	2-2.5t	3t	3.5t	2-2.5t	3-3.5t
ZM300	3000	2000	2500	3000	3500	1995	2065	2095	995	825	870	6/12	6/12
ZM350	3500	2000	2500	3000	3500	2245	2315	2345	1245	1075	1120	6-6 *6-12	6/12
ZM400	4000	2000	2500	2700 *3000	3300 *3500	2545	2615	2645	1545	1375	1420	6-6 *6-12	6-6 *6-12
ZM450	4500	1800 *1900	2150 *2400	2400 *2700	2900 *3100	2795	2865	2895	1795	1625	1670	6-6 *6-6	6-6 *6-12
ZM500	5000	1500 *1700	1650 *2200	2000 *2400	2400 *2750	3045	3115	3145	2045	1875	1920	*3-6	6-6 *6-6

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)	
		2t	2.5t	3t	3.5t	2-2.5t	3-3.5t	2-2.5t	3-3.5t	2-2.5t	3-3.5t
ZSM360	3600	2000	2500	3000	3200	1695	1820	655	588	6-6 *6-6	6-6 *6-6
ZSM400	4000	2000	2500	3000	3200	1830	1953	778	721	6-6 *6-6	6-6 *6-6
ZSM450	4500	1600 *1800	1700 *2200	2500 *2700	2800 *3000	1995	2120	995	888	6-6 *6-6	6-6 *6-6
ZSM480	4800	1250 *1700	1500 *2000	2250 *2450	2500 *2750	2095	2220	1055	988	6-6 *6-6	6-6 *6-6
ZSM500	5000	1100 *1600	1300 *1800	2100 *2300	2300 *2600	2165	2287	1121	1055	6-6 *6-6	6-6 *6-6
ZSM550	5500	900 *1300	1100 *1600	1600 *2100	1700 *2300	2330	2453	1288	1221	3-6 *3-6	3-6 *3-6
ZSM600	6000	700 *1100	800 *1300	1200 *1900	1300 *2100	2550	2670	1505	1438	3-6 *3-6	3-6 *3-6

- (1)Free lifting height (without backrest) 2-2.5T:+435mm,3-3.5T:+580mm;
(2)The service weight is the weight of forklift with dual tyres: +110 kg;
(3)*Refers to the load capacity of forklift with dual tyres;

2.0t 2.5t 3.0t 3.5t



T Series 2-3.5T Diesel Forklift 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 C490BPG	40/2650	160/1800 ~ 2000	2.67	4-90×105	Stage II	2-3.5T
XINCHAI A495BPG	42/2500	174/1800-2000	2.977	4-95×105	Stage II	2-3.5T
XINCHAI A498BPG	45/2500	193/1800 ~ 2000	3.168	4-98×105	Stage II	2-3.5T
ISUZU C240PKJ-30	35.4/2500	137.7/1800	2.369	4-86×102	Stage IIIA	2-3.5T
MITSUBISHI S4S-DPEU2	35.3/2250	177/1700	3.331	4-94×120	Stage IIIA	2-3.5T
ISUZU 4JG2PE-01	46/2450	186/1700±100	3.059	4-95.4×107	Stage II	2-3.5T
CUMMINS QSF2.8t3NA49	36.5/2500	186/1100-1700	2.8	4-94×100	Stage IIIA	2-3.5T
CUMMINS QSF2.8t3NA60	43/2500	186/1100-1500	2.8	4-94×100	Stage IIIA	2-3.5T
KOHLER 1903TCR	42/2600	225/1500	1.861	3-88×102	Stage IIIB/EPAT4F	2-3.5T
XINCHAI 3E22YG51	44.8/2400	210/1600-1800	2.23	3-94×107	Euro V	2-3.5T
KUBOTA V2607-CR-EW03	37.4/2400	174.1/1500	2.615	4-87×110	Euro V/EPAT4F	2-3.5T