



5.0S-12.0S T

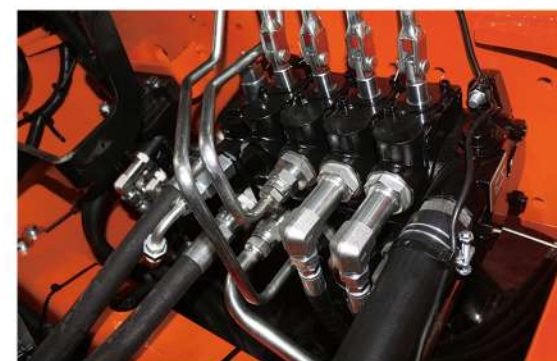
K Series Internal Combustion Counterbalance Forklift





◎货叉升降及前后倾作业时，油缸缓冲功能为机手提供更安全的保护。

During forklift lifting and tilting operations, the cylinder's buffering function provides enhanced safety protection for the operator.



◎大通径液压管路多路阀，匹配液压传感、双向合流技术，整车能耗大大降低。

The multi-way valve adopts large-diameter hydraulic pipelines, matched with hydraulic sensing and two-way confluence technology, which greatly reduces the energy consumption of the whole vehicle.



◎转向桥大转向角度，大大降低了整车的转弯半径。

The large steering angle of the steering axle greatly reduces the turning radius of the vehicle.



◎可选配进口高端发动机，以及符合欧五和 EPA4 排放标准的发动机和尾气后处理装置，提供更强劲的动力、更优异的性能，并更具环保优势。

Optional highv-end imported engines, as well as engines meeting Euro V and EPA 4 emission standards with exhaust aftertreatment systems, offer stronger power and better performance.



◎桥体使用铸钢式桥壳，标配鼓式制动，可选配湿式桥。加强型桥体受载变形小，防尘防水，提高整机使用寿命和可靠性。

The axle used cast steel housing and drum braking, wet braking for option. The Reinforced axle with mall deflection under load, dust-proof and water-proof design endows the forklift with long service life and working reliability.



◎采用高端品牌变速箱，能随着外负载的变化而改变其输出扭矩和转速，吸收和消除来自发动机和外负载对传动系统的冲击振动。

High-end brand gearboxes adjusts its output torque and speed according to external load changes, effectively absorbing and eliminating the impact and vibration from the engine and external loads on the drivetrain.



◎操作台采用人性化设计：标配电液换向系统，操作更方便；采用智能换挡系统，防止二档起步；智能化仪表清晰显示整车运行状态、故障信息等。

The operating console adopts a user-friendly design: the standard electro-hydraulic reversing system makes operation more convenient; the intelligent shifting system is adopted to prevent starting in second gear; the intelligent instrument clearly displays the vehicle's operating status, fault information, etc.

WIDE VIEW MAST

Mast model	Max.lifting height (mm)	Load capacity (kg) (load center 500mm)	Load capacity (kg) (load center 600mm)						Mast overall height (mm)			Mast tilting angle° (front/rear)
		5ST	5T	6T	7T	8T	10T	12ST	5ST	5-8T	10-12ST	
M300	3000	5000	5000	6000	7000	8000	10000	12000	2225	2480	2850	6/12
M350	3500	5000	5000	6000	7000	8000	10000	12000	2475	2730	3100	6/12
M400	4000	5000	5000	6000	7000	8000	10000	12000	2825	3030	3400	6/12
M450	4500	4700 *5000	4800	5800	6800	7700	9000	11000	3075	3290	3650	6/6
M500	5000	4250 *4600	4600	5600	6600	7400	8500	10000	3325	3530	3900	6/6
M550	5500	4000 *4200	4400	5400	6300	7000	8000	9000	3625	3830	4200	6/6
M600	6000	*3800	4200	5200	6000	6700	7500	8000	3875	4080	4450	3/6

WIDE VIEW FULL FREE 2-STAGE MAST

Mast model	Max.lifting height (mm)	Load capacity (kg) (load center 500mm)	Load capacity (kg) (load center 600mm)						Mast overall height (mm)			Free lifting height (with backrest)			Mast tilting angle° (front/rear)	
		5ST	5T	6T	7T	8T	10T	12ST	5ST	5-8T	10-12ST	5ST	5-8T	10-12ST	5ST	5-12ST
ZM300	3000	5000	5000	6000	7000	8000	10000	12000	2240	2470	2850	950	1038	1360	6/12	6/12
ZM330	3300	5000	5000	6000	7000	8000	10000	12000	2390	2620	2975	1100	1188	1485	6/12	6/12
ZM350	3500	5000	5000	6000	7000	8000	10000	12000	2490	2720	3100	1200	1288	1610	6/12	6/12
ZM375	3750	5000	5000	6000	7000	8000	10000	12000	2615	2845	3225	1325	1413	1735	6/12	6/12
ZM400	4000	5000	5000	6000	7000	8000	10000	12000	2740	3020	3400	1450	1588	1910	6/6	6/12
ZM450	4500	/	4800	5800	6800	7700	9000	11000	/	3270	3650	/	1838	2160	/	6/6
ZM500	5000	/	4600	5600	6600	7400	8500	10000	/	3520	3900	/	2088	2410	/	6/6
ZM550	5500	/	4400	5400	6300	7000	8000	9000	/	3820	4200	/	2388	2710	/	3/6
ZM600	6000	/	4200	5200	6000	6700	7500	8000	/	4070	4450	/	2638	2960	/	3/6

WIDE VIEW FULL FREE 3-STAGE MAST

Mast model	Max.lifting height (mm)		Load capacity (kg) (load center 600mm)						Mast overall height (mm)			Free lifting height (with backrest)			Mast tilting angle° (front/rear)
		5ST	5T	6T	7T	8T	10T	12ST	5ST	5-8T	10-12ST	5ST	5-8T	10-12ST	
SM360	3600	4800 *5000	4500	5600	6200	6700	8500	10500	1940	2355	2570	650	923	1100	6/6
SM400	4000	4800 *5000	4500	5600	6200	6700	8500	10500	2080	2490	2700	790	1058	1230	6/6
SM435	4350	4800 *5000	4500	5600	6200	6700	8500	10500	2190	2605	2820	900	1173	1350	6/6
SM450	4500	4800 *5000	4500	5600	6200	6700	8200	9500	2240	2655	2870	950	1223	1400	6/6
SM480	4800	4400 *4700	4500	5600	6200	6700	8000	9000	2355	2760	2970	1065	1328	1500	6/6
SM500	5000	4200 *4500	4500	5600	6200	6700	7700	8500	2440	2825	3035	1150	1393	1565	6/6
SM600	6000	*3800	4000	5000	5400	6100	6300	7500	2790	3160	3425	1500	1728	1955	3/6

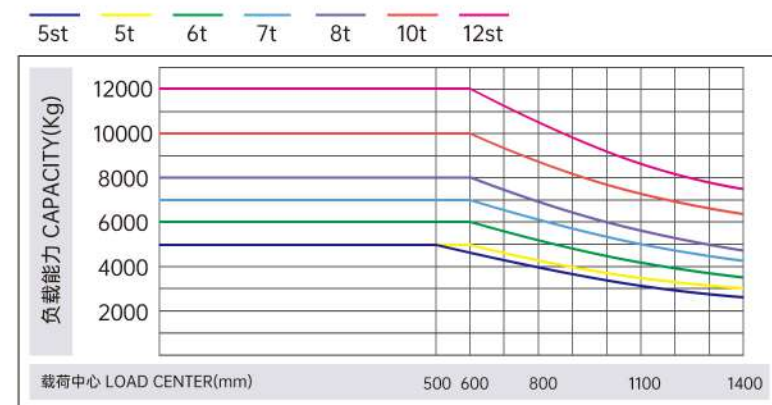
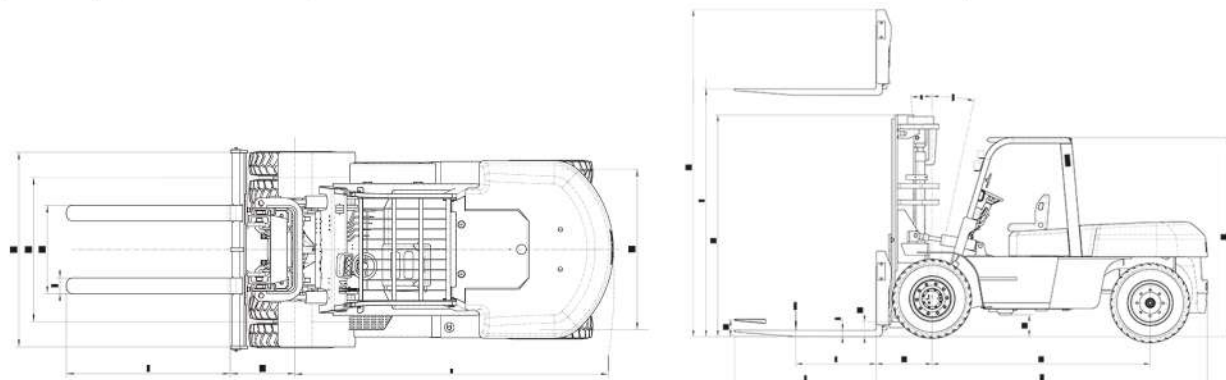
(1) Parameters marked with "*" indicate the carrying capacity with twin tires

K Series 5s-12sT 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)
XICHAI CA4110	61/2200	305/1400~1600	4.752	4-110×125	Stage I	5S T
MITSUBISHI S6S-228	52/2300	248/1700	4.966	6-94×120	Stage IIIB	5S T
MITSUBISHI S6S-T	63.9/2300	285/1700	4.966	6-94×120	Stage IIIB A	5S-7T
ISUZU 6BG1QC-02	82.4/2000	416.8/1500	6.494	6-105×125	Stage II	5S-12ST
CUMMINS 4BTA3.9-C125	93/2200	475/1500	3.9	4-102×120	Stage II	5-12ST
XICHAI CA6110	85/2000	450/1400~1500	7.127	6-110×125	Stage II	5-12ST
CHAOCHAICY6102BG	81/2500	353/1600~1700	5.785	6-102×118	Stage II	5-12ST
CUMMINS QSB4.5	82/2200	488/1500	4.5	4-107×124	Stage IIA	5-12ST
CUMMINS QSF3.8-C115T3	86/2200	470/1100~1700	3.76	4-102×115	Stage IIA	5-12ST
CUMMINS QSF3.8-C120T4	90/2200	488/1600	3.76	4-102×115	EPAT4	10-12ST
CUMMINS F3.8	55/2200	400/1300	3.8	4-102×115	EPA Tier4F/EU Stage V	5S-7T
CUMMINS F3.8	90/2200	500/1500	3.8	4-102×115	EPA Tier4F/EU Stage V	7-12ST

TECHNICAL DATAS

General											
1.01	Model			CPC50SK	CPCD50SK	CPCD50K	CPCD60K	CPCD70K	CPCD80K	CPCD100K	CPCD120SK
1.02	Rated capacity	Q	Kg	5000	5000	5000	6000	7000	8000	10000	12000
1.03	Load center distance	C	mm	500	500	500	600	700	800	1000	1200
1.04	Power type			Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel
1.05	Driving type			Seated	Seated	Seated	Seated	Seated	Seated	Seated	Seated
1.06	Wheel base	L1	mm	2100	2100	2100	2250	2250	2250	2800	3200
Tyres											
2.01	Tyre type			Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic
2.02	Wheel number (front/rear)			2X / 2	2X / 2	2X / 2	2X / 2	2X / 2	2X / 2	2X / 2	2X / 2
2.03	Front tread	W3	mm	1180	1180	1180	1180	1180	1180	1180	1180
2.04	Rear tread	W2	mm	1190	1190	1190	1190	1190	1190	1190	1190
2.05	Tyre (front)			300-15-18PR	300-15-18PR	300-15-18PR	300-15-18PR	300-15-18PR	300-15-18PR	300-15-18PR	300-15-18PR
2.06	Tyre (rear)			7.00-12-12PR	7.00-12-12PR	7.00-12-12PR	7.00-12-12PR	7.00-12-12PR	7.00-12-12PR	7.00-12-12PR	7.00-12-12PR
Size											
3.01	Front overhang	L2	mm	550	565	550	565	550	565	550	565
3.02	Mast tilting angle, front/rear	α/β	°	6/12	6/12	6/12	6/12	6/12	6/12	6/12	6/12
3.03	Height with mast retraction	H1	mm	2330	2330	2330	2330	2330	2330	2330	2330
3.04	Free lifting height	H3	mm	140	140	140	140	140	140	140	140
3.05	Max. lifting height	H	mm	3000	3000	3000	3000	3000	3000	3000	3000
3.06	Max. height after lifting	H2	mm	4280	4280	4280	4280	4280	4280	4280	4280
3.07	Overhead guard height	H4	mm	2245	2245	2245	2245	2245	2245	2245	2245
3.08	Fork size: length x width x thickness	L x W x T	mm	1220 x 150 x 50	1220 x 150 x 50	1220 x 150 x 50	1220 x 150 x 50	1220 x 150 x 50	1220 x 150 x 50	1220 x 150 x 50	1220 x 150 x 50
3.09	Overall length (fork excluded)	L'	mm	3110	3110	3110	3110	3110	3110	3110	3110
3.10	Overall width	W1	mm	1480	1480	1480	1480	1480	1480	1480	1480
3.11	Turning radius	r	mm	2740	2740	2740	2740	2740	2740	2740	2740
3.12	Ground clearance of mast	H5	mm	160	160	160	160	160	160	160	160
3.13	Ground clearance of wheel base center (loaded)	H6	mm	200	200	200	200	200	200	200	200
3.14	Lateral fork adjustment Max./Min.	W5	mm	1370/300	1370/300	1370/300	1370/300	1370/300	1370/300	1370/300	1370/300
Performance											
4.01	Travelling speed (loaded/unloaded)		km/h	18/19	18/19	18/19	18/19	18/19	18/19	18/19	18/19
4.02	Lifting speed (loaded/unloaded)		mm/s	450/480	400/450	510	510	500	480	340/360	320/360
4.03	Lowering speed (loaded/unloaded)		mm/s	520/480	350/400	600/300	600/300	600/300	600/300	600/350	400/350
4.04	Gradeability (loaded/unloaded)		%	15	18/20	35	32	30	28	22	20
4.05	Max. traction force (loaded/unloaded)		KN	21	21	65	65	65	65	58	57
Weight											
5.01	Total weight		Kg	6460	6460	8230	8960	9430	10000	12560	12960
5.02	Axle load (unloaded), front/rear		Kg	2550/3850	2630/3770	4100/4060	3800/4760	3860/5500	4070/5800	5780/7080	5780/7120
5.03	Axle load (loaded), front/rear		Kg	9780/1120	9540/1360	11810/1350	13060/1580	14560/1780	14880/1970	20580/2280	20620/2080
Combustion engine											
6.01	Engine manufacturer /Model			XICHA1 4D35G	XICHA1 CA4110	XICHA1 CA6110	XICHA1 CA6110	XICHA1 CA6110	XICHA1 CA6110	XICHA1 CA6110	XICHA1 CA6110
6.02	Rated power /Speed		Kw/rpm	48/2300	61/2200	85/2000	85/2000	85/2000	85/2000	85/2000	85/2000
6.03	Max. torque /Speed		Nm/rpm	230/1600 ~ 1800	305/1400 ~ 1600	450/1400 ~ 1500	450/1400 ~ 1500	450/1400 ~ 1500	450/1400 ~ 1500	450/1400 ~ 1500	450/1400 ~ 1500
6.04	Cylinder number -bore×stroke			4-108×125	4-110×125	6-110×125	6-110×125	6-110×125	6-110×125	6-110×125	6-110×125
6.05	Engine displacement		L	4.67	4.752	7.127	7.127	7.127	7.127	7.127	7.127
6.06	Emission			Stage III	Stage II	Stage II	Stage II	Stage II	Stage II	Stage II	Stage II
Transmission											
7.01	Transmission gears (front/rear)			3-2 Manual Shift	2-1 Power Shift	2-2 Power Shift	2-2 Power Shift	2-2 Power Shift	2-2 Power Shift	2-2 Power Shift	2-2 Power Shift
7.02	Fuel tank capacity		L	80	80	140	140	140	140	140	140
Additional data											
8.01	Service brake / parking brake			Hydraulic/Mechanical	Hydraulic/Mechanical	Hydraulic/Mechanical	Hydraulic/Mechanical	Hydraulic/Mechanical	Hydraulic/Mechanical	Hydraulic/Mechanical	Hydraulic/Mechanical
8.02	Hydraulic system working pressure		Mpa	18.5	18.5	19.5	19.5	19.5	19.5	19.5	21





◎选配空调、暖风机、风扇等取暖、通风设备，提升工作舒适度、提高工作效率。空调外机安装在驾驶室外部，不影响司机视野和叉车工作高度。

Optional air conditioners, heaters and fans greatly enhance working comfort and boost work efficiency. The outdoor unit of the air conditioner is installed outside the cab, which does not obstruct the driver's field of vision nor affect the forklift height.



◎超大后视镜，可多角度旋转调节，适应不同驾驶员的工作需求。

The large rear-view mirrors can be rotated and adjusted in multiple angles to meet the needs of different drivers.



◎采用双开门驾驶室，发动机舱80°大开启角度，维护保养方便。

Optional double-opening cab side doors, hood can be opened at a wide angle of 80°, making it convenient for engine maintenance.



◎大尺寸水箱高效散热，大尺寸膨胀箱储备大量冷却液，及时给水箱补充水分，即使在 55-60°C 高温地区也能轻松工作。水箱盖板可从上部轻松打开，便于维护保养。

The large expansion box reserves mass coolant, timely refilling the large water tank. The forklift works easily even at 55-60°C. The tank cover can be easily opened from the top for easy maintenance.



◎底板可灵活拆卸，变速箱维护保养方便。

The base plate can be easily and flexibly disassembled, making the gearbox easy for maintenance.



◎可选配倒车影像和边界灯，工作更安全。

Optional backup camera and boundary light further improve work safety.



STRENGTH AND ENDURANCE

