

XCF1206K 平衡重式叉车 Forklift

技术规格书

Basic technical specification



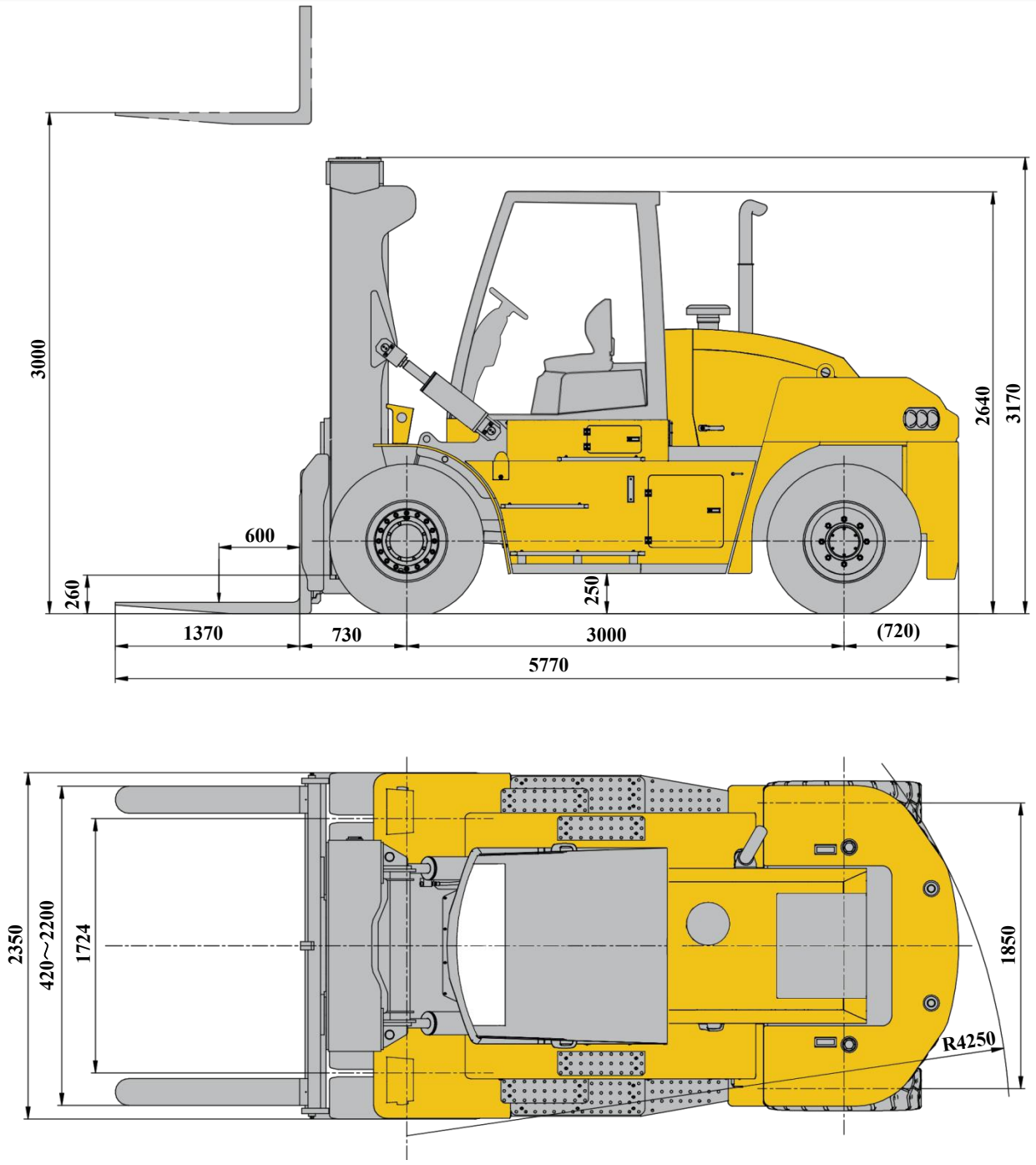
载荷中心: 600mm
Load center: 600mm



目录
Contents

目录 Contents	
尺寸参数 Dimensions	3
技术规格 Technical specifications	4-5
重量/作业速度 Weight / Working speeds	6
起重能力 Lifting capacity	7
注意事项 Notes	8

尺寸参数
Dimensions



产品型号 Product model	货叉长度 A/mm	载荷中心 D/mm	整机长度 L1/mm
XCF1206K	1370	600	5770

技术规格

Technical specifications

标准配置

护顶架	护顶架，外观简洁、动感。全景式、低仪表台设计，视野开阔。人机工程设计的内部空间，宽阔舒适。配置电子显示器，使用方便。
发动机	YCA07160-T300，玉柴，水冷电控柴油增压发动机；额定功率118/2200（kw/rpm）；最大扭矩650/1300-1600（Nm/rpm） 发动机排放：非道路三阶段、U.S.EPA Tier 3、EU Stage IIIA。
变速箱	自动变速箱（手自一体）。YQXD135，浙江金道科技股份有限公司（绍齿），前2后2，变速控制阀为电子控制阀易于操纵，使叉车的行驶及重载微动控制更加精准。
驱动桥	美驰重载驱动桥，型号18MRZWA-X211JA，钳盘式行走制动器，充裕应对繁重工况，可靠性高、维护简便。
轮胎	6个10.00-20-16PR斜交轮胎，承载力大、专用的重型叉车花纹，适合平衡重式叉车产品各种使用工况。
悬挂	前桥与车架刚性连接，带载行驶稳定性高；后桥与车架摆动铰接，行驶时，后桥可通过铰接机构实现减震功能，缓和路面冲击。
制动	行车制动：钳盘式制动器，充裕应对长时间高强度繁重作业工况。 驻车制动：弹簧制动，液压解除的独立盘式制动器，作用于前桥。
转向	转向桥全液压动力转向，转向轻便可靠。最小转弯半径4250mm。

液压系统

开式齿轮泵液压系统，系统简单可靠，维修性好。液压系统元件采用行业知名品牌产品，成熟稳定。大功率风冷式液压油散热器，系统散热好。

电气系统

24V DC，负极搭铁，2个蓄电池，照明系统中设置有前大灯，倒车灯、转向灯等。

车架

车架采用细晶粒高强度钢焊接而成，抗扭转大截面框架结构，承载能力强。
设计过程中运用有限元分析计算、零阶设计优化方法对核心结构进行优化设计，保证了结构件的强度和刚度。

门架

宽视野伸缩门架，采用抗扭曲设计，作业性能好、抗扭能力强、操作视野开阔。

货叉

高强度锻造货叉。调距叉，货叉移动由油缸驱动，具有调距的功能。

选装配置

称重系统

通过检测液压压力的方法进行载荷的测量。

行驶OPS

操作人员离开座位时，整车自动断开动力，无行驶动作。

起升OPS

门架OPS操作人员离开座位时，门架无动作。

封闭司机室

全封闭式司机室，宽阔舒适。

产品各部件明细如上所述，具体部件明细请参照产品报价单。

技术规格

Technical specifications

Standard equipment	
Overhead guard	Overhead guard, the appearance is simple and dynamic. Panoramic, low Instrument panel bring wide field of vision. Ergonomically designed inner space bring wide field of vision and comfortable experience. Equipped with electronic display, the machine is easy to use.
Engine	YCA07160-T300, water- cooled turbocharged electric - control diesel engine, manufactured by Yuchai; Rated power 118 /2200(kw/rpm), max. torque 650 / 1300- 1600(Nm/rpm); Emission compliance: compliant with off-road U.S. EPA Tier 3/EU Stage IIIA .
Transmission	YQXD1 3 5 , automatic transmission (with manual shift) manufactured by Zhejiang Jindao Technology Co., Ltd. (Shaoxing Jindao Gear Box Co., Ltd.), with 2 forward and 2 reverse gears available. The speed control valve is a proportional control valve, which is easy to operate, which makes the driving and heavy load micro control of forklift more accurate.
Drive axle	1 8 MRZWA- X2 1 1 JA, Xuzhou Meritor heavy duty drive axle, axle. Eequipped with a wet multi disc travel brake, which can adequately cope with heavy working conditions and bring high reliability and easy maintenance.
Tires	6 diagonal tires, with large bearing capacity and special heavy forklift pattern, are suitable for various working conditions of counterweight forklift products. Tire specifications: 10.00-20-16PR.
Suspensions	Front axle is rigidly connected with frame for high stability while driving with a container suspended; rear axle is hinged with frame for buffering road shock through the hinged mechanism.
Brakes	Service brake: wet disc brake, acting on the front wheels. Automatic braking is available in case of lower system pressure. Parking brake: spring- loaded brake and hydraulic- released independent disc brake, acting on the front axle.

Steering	Rear axle full hydraulic power steering, steering light and reliable. The minimum turning radius is 4 2 5 0 mm
Hydraulic system	The machine adopts hydraulic system of gear pump, the system is simple and reliable, good maintainability. Hydraulic system components using the international well known brand products, mature and stable. A high power, air cooled hydraulic oil radiator is used to cool the system.
Electric system	DC 24 V, negative ground, 2 batteries. There are headlamps, reverse lamp and turn lamps available in lighting system.
Frame	Frame is made of fine grain high tension steel, with anti- torsion large cross- section, strong carrying capacity. Finite element analysis and zero order design optimization method adopted for key structures ensure the strength and stiffness of structural members
Mast	The telescopic mast with wide field of vision adopts anti twist design, which has good operation performance, strong anti twist ability and excellent vision.
Fork	High strength forged, Adjustable fort, the fort movement is driven by oil cylinder, with the function of adjusting distance.

Additional equipment	
Weighing system	The load is measured by detecting the hydraulic pressure
Driving OPS	The vehicle will automatically cut off the power without driving action, when the operator leaves the seat
Lifting OPS	When the OPS operator of the mast leaves the seat, the mast does not move
Closed cab	Fully enclosed cab, wide and comfortable

重量
Weight

车辆型号 Product Model	项目 Item	前轴 Front Axle	后轴 Rear Axle	总重量 Total weight
XCF1206K	空载 Unloaded	6530kg	7970kg	14500kg
	满载 Rated load	23850kg	2650kg	26500kg

轴荷为门架处于垂直状态时的数值。
The axle loads listed in the table are the values when mast is vertical.

作业速度
Working speeds

项目 Item	空载 Unloaded	满载 Rated load
起升速度 Lifting speed	400mm/s	350mm/s
下落速度 Lowering speed	420mm/s	420mm/s
行驶速度 Traveling speed	28km/h	26km/h

货叉规格
Fork Specifications

项目 Item	XCF1206K
长 Length	1370mm
宽 Width	175mm
高 Height	80mm

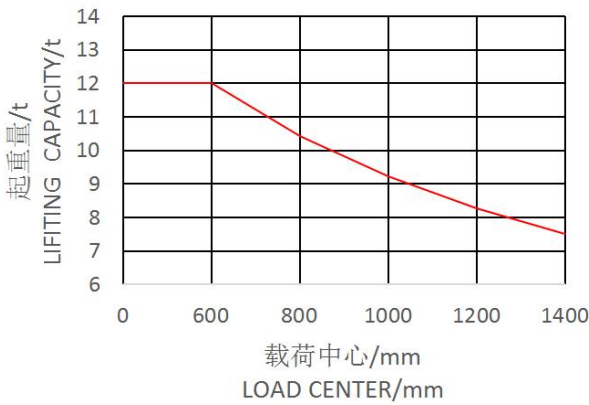
起重能力

Lifting capacities

产品型号 Product Model	额定起重量 Rated Lifting Capacity	载荷中心 Load Center	最大起升高度 Max. Lifting Height
XCF1206K	12000kg	600mm	3000mm

XCF1206K载荷曲线

XCF1206K载荷曲线
XCF1206K LOAD DIAGRAM



XCF1206K门架序列

门架 型式	最大 起升 高度	XCF1206K				
		门架 倾角	门架高度		自由起 升高度	备注
			最小高度	最大高度		
二级 标准型	3000	6/12	3165	4635	—	标准型门架
	3500	6/12	3415	5135	—	不降载
	4000	6/12	3665	5635	—	不降载
	4500	6/12	3915	6135	—	不降载
	5000	6/6	4215	6685	—	不降载
	5500	3/6	4465	7185	—	11吨
	6000	3/6	4765	7735	—	10吨
	6500	3/6	5015	8235	—	9吨
二级 全自由 门架	3000	6/12	3165	4635	1500	不降载
	3500	6/12	3415	5135	1750	不降载
	4000	6/12	3665	5635	2000	不降载
	4500	6/12	3915	6135	2250	不降载
	5000	6/6	4215	6685	2500	不降载
	5500	3/6	4465	7185	2750	11吨
	6000	3/6	4765	7735	3000	10吨
	6500	3/6	5015	8235	3250	9吨

注：二级标准型3000起升高度，为标准配置。其余非标配置，选用请与厂家沟通。

主要技术参数

Main Technical Data

序号 No	项目 Item		单位 Units	参数 Parameters
				XCF1206K
1	额定起重量 Rated lifting capacity		kg	12000
2	全长 Overall length		mm	5770
3	全宽 Overall width	车轮宽 Width(wheel)	mm	2350
4		车架宽 Width(frame)	mm	2350
5	全高 Overall high	不起升门架高度 Min. mast height	mm	3170
6		司机室高度 Cab height	mm	2640
7		作业时最大高度 Max. mast height	mm	4680
8	轴距 Wheelbase		mm	3000
9	前悬距 Front overhang		mm	730
10	前轮距 Track(front)		mm	1724
11	后轮距 Track(rear)		mm	1850
12	最小离地间隙 Min. ground clearance	门架下端 Under mast(unloaded/rated load)	mm	260
13		车架中部 Middle of truck(unloaded/rated load)	mm	300
14	无载最大起升高度 Max. lifting height		mm	3000
15	门架倾角(前/后) Mast tilting(forwards/backwards)		(°)	6/12
16	自重 Dead weight		kg	14500
17	无载最大起升速度 Max. lifting speed(unloaded)		mm/s	400
18	满载最大起升速度 Max. lifting speed(rated load)		mm/s	350
19	无载最大下落速度 Max. lowering speed(unloaded)		mm/s	420
20	满载最大下落速度 Max. lowering speed(rated load)		mm/s	420
21	最小转弯半径 Min. turning radius		mm	4250
22	无载最大运行速度 Travelling speed(unloaded)		km/h	28
23	满载最大运行速度 Travelling speed(rated load)		km/h	26
24	满载最大爬坡度 Max.grade-ability		%	25
25	满载最大牵引力 Max. drawbar pull(rated load)		kN	93

主要配套件品牌

Main parts brands

序号 N0.	名 称 Name	型号 Model	厂 家 Manufacturer
1	发动机 Engine	YCA07160-T300	玉柴机器股份有限公司 Yuchai Machinery Co., Ltd
2	变速箱 Transmission	YQXD135	浙江金道科技股份有限公司 (绍齿) Zhejiang Jindao Technology Co., Ltd. (Shaochi)
3	驱动轴 Drive Axle	18NRZD-X211AB	徐州美驰车桥有限公司 Xuzhou Meritor AXLE Co., Ltd.
4	轮胎 Tire	10.00-20-16PR	贵州轮胎股份有限公司 (前进) Guizhou Tire Co., Ltd. (Advance)
5	护顶架 Overhead Guard	XCF1206K.03.1	XCMG XCMG
6	主泵 Main Pump	CBKEC-G36 CBGTBK-G44	合肥长源液压件有限责任公司 Hefei Changyuan Hydraulic Parts Co., Ltd
7	主阀 Main Valve	CDB3-F20J16-04E	浙江林海海宏集团有限公司 Zhejiang Linhai Haihong Group Co., Ltd
8	转向器 Steering Gear	530-7377-412207-1	伊顿液压系统(济宁)有限公司 Eaton Hydraulic System (Jining) Co., Ltd