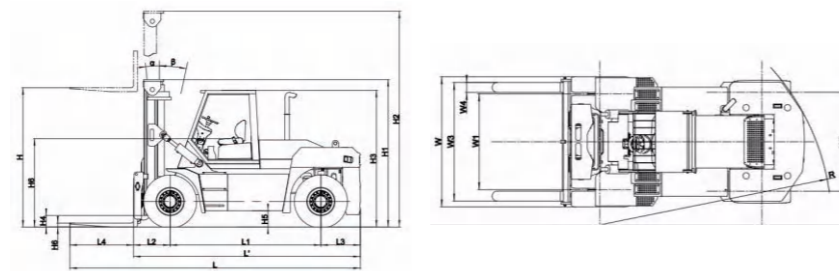
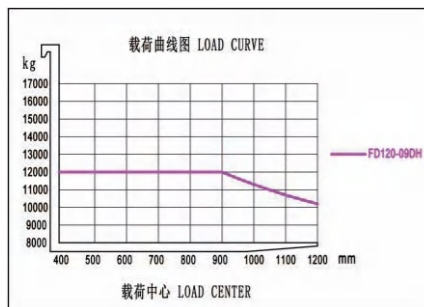


性能参数 Performance	1.01	型号	Model	FD120-E09DH
	1.02	额定起重量	Rated Load Capacity	kg 12000
	1.03	载荷中心	Load Center	mm 900
	1.04	整车自重	Service Weight	kg 17350
	1.05	最大起升速度 (满载/空载)	Max. Lifting Speed (Loaded/Unloaded)	mm/s 370/400
	1.06	最大下降速度 (满载/空载)	Max. Lowering Speed (Loaded/Unloaded)	mm/s 450/400
	1.07	最大行驶速度 (满载/空载)	Max. Travel speed (Loaded/Unloaded)	km/h 30/35
	1.08	满载爬坡度	Gradeability with Full Load	% 34
尺寸参数 Dimension	2.01	全长(带货叉) L	Overall Length (With fork)	mm 6710
	2.02	轴距 L1	Wheelbase	mm 3250
	2.03	起升高度 H	Max. Lifting Height	mm 3000
	2.04	门架高度 H1	Height of Mast Lowered	mm 3185
	2.05	驾驶室高度 H3	Height to Cabin Top	mm 2945
	2.06	最小离地间隙 H4	Ground Clearance	mm 250
	2.07	全宽 W	Overall Width	mm 2600
	2.08	门架倾角 (前/后) α/β	Mast Tilt (Forward/Backward)	° 6/12
	2.09	最小转弯半径 R	Turning Radius	mm 4650
货叉 Fork	3.01	货叉调距范围 W3	Fork Positioning Range	mm 500-2370
	3.02	货叉尺寸 L4xW4xH6	Fork Dimension	mm 1820x200x85
发动机 Engine	4.01	厂家型号	Maker/Model	东风康明斯6BTAA5.9-C180 Dongfeng Cummins 6BTAA5.9-C180
	4.02	额定功率/转速	Rated Power	kw/rpm 132/2200
	4.03	额定扭矩/转速	Rated Torque	Nm/rpm 800/1400
变速箱 Transmission	5.01	换挡方式	Shift Mode	电液换挡 Electro-hydraulic Gear Shift
	5.02	档位 (前/后)	Gears (Front/Reverse)	4/3
驱动桥 Driving Axle	6.01	制动方式	Braking Type	轮边液压钳盘式 Wheel Side Hydraulic Caliper
轮胎 Tire	7.01	种类-数量 (前/后)	Type & Qt' y (Front/Rear)	充气胎Pneumatic-4/2
	7.02	驱动轮规格	Tire Size (Front/Rear)	12.00-20/12.00-20



基本型门架 Mast	门架型号 Mast Model	最大起升高度 Max. Lifting Height (mm)	承载能力 (标准载荷中心) Load Capacity (Standard Load Center) (kg)	门架全高 (货叉落地) Mast Overall Height (Fork to the Ground) H1 (mm)	门架倾角 Mast Tilting Angle α/β (°)
	Tm300	3000	12000	3185	6/12
	TM350	3500	12000	3435	6/12
	TM400	4000	12000	3685	6/12
	TM450	4500	12000	3935	6/12
	TM500	5000	12000	4235	6/6
	TM550	5500	11000	4485	3/6
	TM600	6000	10000	4785	3/6
	TM650	6500	9000	5035	3/6



FD120-E09DH 内燃平衡重式叉车

E Series Balance Weight Type Forklift

- 整车标配护顶架，视野开阔，散热通风好，悬浮式驾驶室设计，可进一步降低整车振动对驾驶员造成的影响。座椅、仪表盘面板、控制部件以及空间布局符合人机工程，给驾驶员创造一个舒适的操作环境。

The vehicle is equipped with an overhead guard, which has a wide field of vision, good heat dissipation and ventilation. The suspended cabin can further reduce the impact of vehicle vibration on the driver. The seat, instrument panel, control components and space layout comply with ergonomics and create a comfortable operating environment for the driver.

- 采用宽视野、高强度起重系统，配置液压调距叉，通过液压调整货叉间距，实现搬运不同规格托盘的货物，无须操作人员手动调整货叉间距，减轻操作人员的劳动强度，提高工作效率。

Wide view and high strength lifting system. Fork positioner can carry cargos with different sizes of pallets by hydraulic adjustment of forks distance, no need to adjust forks by manual, reduce the labor intensity of operator, improve work efficiency.

- 驱动桥选用重型叉车专用驱动桥，强度高、承载能力大、性能可靠、质量稳定，配备钳盘式制动，拥有良好的使用性能和性价比。

Heavy-duty driving axle, specially designed for heavy-duty forklifts, with high strength, large load capacity, reliable performance and stable quality. It has good performance and cost performance with caliper disc brake system.

- 液压系统采用全液压优先转向的定量系统。核心液压元件采用行业主流产品，确保高可靠性和稳定性；同时采用了动态负荷反馈系统，以确保优先转向系统的响应和灵敏度。

Hydraulic system: Full hydraulic priority steering quantitative system. With mainstream key hydraulic components to make sure high reliability and stability; With dynamic load feedback system to make sure response and sensitivity of priority steering system.

- 变速箱选用多档液力齿轮箱，配套高性能变矩器。电液换向控制，档位前四后三，换挡平顺，燃油经济性高。变速箱经过多年的市场验证，具有噪音低、质量稳定、性能可靠等优点。

Power shift transmission, with ECU and high-performance torque converter, 4 forward and 3 reverse speeds, with excellent fuel economy and ride performance. After years of market validation, the transmission has the advantages of low noise, stable quality and reliable performance.

- 发动机选用康明斯 6BTA5.9-C180发动机，满足欧II排放需求，排量5.9L，油耗低，噪音低，响应快、动力输出平稳，使整机具备优越油品适用性和经济性，维护保养更便捷。燃油系统采用三级过滤，以更好适用于低燃油品质的使用需求。

Cummins 6BTA5.9-C180 diesel engine, Euro-II emission standard, displacement: 5.9 Liters, with low fuel consumption, low noise, fast response and stable power output, to make sure the machine has superior oil applicability and economy. 3 stage fuel filters, to better adapt to various quality of fuels.

- 车架、门架等关键零部件均经CAE有限元分析、模态分析、动力学仿真分析等优化设计手段，以满足不同工况下强度和刚度的要求，整车结构经久耐用。

Key components (including mast assembly and chassis) had been verified with finite element analysis, modal analysis, dynamic simulation analysis through CAE software, make sure to meet the requirements of strength and stiffness under different working conditions.

- 整车标配双翻转机罩，座椅机罩及发动机机罩均可实现大角度翻转，最大限度地释放内部维修保养空间。

Double turnable hoods as standard. Both engine hood and seat hood can be opened with large angle through 2 self-lock springs ensure easy and high efficient maintenance.

- 冷却系统采用4层并列式大尺寸散热器，分别对发动机增压空气、发动机冷却液、变速箱传动油及液压油进行集中散热，更好地适用于高温环境作业要求。

Cooling system: With 4 layers compound large radiators, heat dissipation is centralized for engine pressurized air, engine coolant, transmission oil and hydraulic oil. Better suitable for high temperature environment operation requirements.

- 整车标配12.00-20-20PR充气胎，前后轮胎轮辋一致，备件省心、更换便捷。

12.00-20-20PR tires are as standard, both front wheel rims and rear rims are same (Good versatility), easy to stock spare parts, and replacement is more convenient.

