

Great Power Weight XCMG Intelligent Manufacturing

XC6-1056VN telescopic forklift is a new type of telescopic forklift independently developed and designed by XCMG, while absorbing the advanced design and manufacturing technology of foreign telescopic forklifts and through extensive market and technical research. This model is compact in structure, flexible in operation, sensitive in lifting, and self-leveling. It combines stability and high efficiency, and is suitable for a variety of material handling environments. Products of the same type have won the title of National New Product and the Machinery Industry Science and Technology Progress Award, leading the export of China's telescopic boom forklift industry and the domestic high-end market for many years.

China Telescopic Boom Forklift Leader!



Power Transmission System

1 Engine

Equipped with diesel engines that meet US IV emissions, with high reliability and fuel economy, low noise, low emission, it is specially designed and manufactured for the working conditions of construction machinery.

The power system adopts two-way vibration reduction technology, all-round elastic suspension, effectively overcome the resonance between the power system and the frame, reduce the noise and the fatigue damage of the power system.

2 Gearbox

Using domestic gearbox, superior performance, powerful function, fork installed to meet the requirements of various working conditions; front 2 and back 2 gears, for complex operation and frequent switching expansion arm fork installed, can effectively improve the economy and service life of the engine; electronic control shift, easy and simple operation, and effectively reduce the driver operation strength.

3 Drive Axle

Adopt maintenance-free multi-plate wet brake bridge made in China, with spring brake and hydraulic release function. The structure of the wet bridge is simple and compact, the internal system is free from external pollution, the brake sheet is infiltrated in the hydraulic oil and the heat dissipation is good. The wet brake can be maintenance-free because it is completely closed.

Brake System

The vehicle adopts the full hydraulic wet braking system, the hydraulic pipeline is fully closed loop, can avoid the dust pollution in the atmosphere and reduce the reliability of the braking system, the manipulation is light, sensitive, braking force and control force proportional amplification, low pressure alarm, real-time monitoring.

Moment Limiter System

The system consists of a weighing sensor and a control display, with both leg support and no leg support conditions. The system detects whether the vehicle is overloaded by detecting the deformation of the rear axle. When the vehicle is approaching the full load, the system will prompt the operator through the red indicator light. When the vehicle is overloaded, the system will limit the extension and landing of the large arm by cutting off the relevant pilot oil road. The system performance is stable and reliable, which can effectively prevent the vehicle from tipping over.

Cab and Control System

New luxury comfort cab modelling, sealing vibration and acoustic noise reduction, interior space is big, eye shot is open, beautiful interior, joystick, dashboard are in accordance with the principle of human body engineering, joystick, button switch is within reach, equipped with comfortable suspension seat, keep drivers has been the best comfort, homework easier. The cab is equipped with heating and cooling air conditioning (standard), multi-window three-dimensional air supply, that is, rapid defrosting, fully meet the needs of the operator for heating and cooling.

The seat and direction device can be adjusted at will, equipped with the receiving and discharge machine, smoke lighter, electric fan, emergency hammer, fire extinguisher, anti-skid floor, front, rear and top wiper. The cab is fully sealed, and the design concept of "people-oriented" is reflected everywhere, providing operators with a safe and comfortable working environment



Repairability

Various oil level inspection, oil addition and grease filling and other maintenance points are arranged in easily accessible parts, and the maintenance and disassembly of the air filter element and electrical equipment can be convenient.

The use of large side door, top-turn engine hood, can make the engine and cooling system completely exposed, convenient to check and add the engine oil level and replace the filter element, maintenance is easy and simple.Parallel structure integrated fuse box, the whole machine electrical centralized control, troubleshooting is convenient and efficient.



Working Device

The working device adopts four telescopic boom structure, including telescopic cylinder, amplitude variable oil cylinder, auxiliary leveling oil cylinder, etc., through the working device hydraulic system to control the amplitude and expansion of the telescopic boom, the boom structure is optimized by finite element analysis to reduce stress concentration, safe and reliable work, and can meet all kinds of bad working conditions.

The front end of the telescopic boom is equipped with a fork, and a bilateral hydraulic cylinder compensation automatic leveling system, which can automatically control the fork and the ground always keep the same Angle in the process of the telescopic boom amplitude, to ensure the stability and safety of the high fork lift.

In addition, according to different working occasions through the multi-functional quick change mechanism configuration of a variety of equipment.

Frames

The frame has the horizontal leveling function (the body can swing from left to right 10), to ensure that the site is not smooth, the frame is always horizontal, and the front side of the frame is equipped with support legs, to ensure the stability and safety of the high fork, improve the operation range and the stability of the whole machine.Using integral frame, engine, cab separated on both sides of the frame, telescopic arm layout in the middle position, reasonable layout, concise structure, reduce the pressure and irregular weld, strengthen the important bearing parts, the key hinge point adopts the solid installation, can withstand various conditions of torque and impact load.To provide an effective guarantee for the safe operation.



主要参数 Main parameter

No.	Item		Paramenter	
1	Rated load		4536 kg	10000 lb
2	Working weight		14000 kg	
3	Maximum lifting height (to upper plane of fork)		17200 mm	56.4 ft
4	Maximum lift height of the payload		2200 kg	
5	Maximum forward reach		13100 mm	
6	Payload at maximum forward reac		1400 kg	
7	Maximum rraction force		≥90 kN	
8	Braking distance		≤10 m	
9	Minimum ground clearance		460 mm	
10	Wheelbase		3100 mm	
11	Wheel tread		2026 mm	
12	Frame transverse adjustment Angle	Left	10°	
		Right	10°	
13	Amplitude Angle of telescopic boom		-4° ~ 70°	
17	Maximum speed		≥32 km/h	
18	Engine	Model	CA4DH1-12G4	
		Power	90kW	
19	Tire type		17.5-25	
20	Overall size		6250×2500×2540 mm	

The continuous improvements of product structure and parameters along with the technologic progress will be made without further notice.iln event of any discrepancy between brochure information and real product,the real product shall prevail.

