



# **XE700DF 液压挖掘机技术规格书**

## **XE700DF HYDRAULIC SHOVEL**

### **TECHNICAL SPECIFICATION**

徐州徐工矿业机械有限公司

XUZHOU XCMG MINING MACHINERY CO., LTD

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## 一、总体概述

XE700DF 型液压挖掘机是在 XE700D 基础上进行升级的新一代 70 吨级液压挖掘机，满足 Tier3、中国非道路国三排放法规要求。

The XE700DF hydraulic excavator is a new generation 75-ton mining excavator upgraded on the basis of XE700D, which meets the requirements of Tier 3 in North America, China's non-road country III emission regulations.

XE700DF 液压挖掘机为单斗反铲式，主要应用于矿山和大型土石方工程，各种露天矿的开采等大型施工作业。标配机器：工作环境温度：-15℃-40℃；海拔高度：≤2000m；标配底盘为可机械调节式底盘；作业时底盘宽度为 4370mm，通过收缩履带梁可调整为 3710mm。

The XE700DF hydraulic excavator is a single-bucket backhoe type, which is mainly used in mines and large-scale earthwork projects, and large-scale construction operations such as the mining of various open-pit mines. Standard machine: working environment temperature: -15℃-40℃; altitude: ≤2000m; the standard chassis is a mechanically adjustable chassis; the width of the chassis during operation is 4370mm, which can be adjusted to 3710mm by shrinking the track beam.

XE700DF 液压挖掘机可以配置多种工作装置，以适应各种工况要求，标配动臂斗杆长度分别为 6600mm，2900mm，斗容范围从 2.4-5.0m<sup>3</sup>，其中 2.4m<sup>3</sup> 为松土斗，主要用于冻土挖掘，2.8、3.1、3.5 为重载岩石斗，主要用于岩石、剥离工况，3.8、4.0、4.2 为普通岩石铲斗，主要用于爆破料装载，4.6m<sup>3</sup>、5.0m<sup>3</sup> 为加强斗，主要用于轻载物料装载。

The XE700DF hydraulic excavator can be equipped with a variety of working devices to meet the requirements of various working conditions. The standard boom stick length is 6600mm and 2900mm, and the bucket capacity ranges from 2.4-5.0m<sup>3</sup>. Of which 2.8, 3.1, 3.5, it is a heavy rock bucket, mainly used for rock and stripping conditions, and 2.4 is a digging bucket, mainly used for permafrost mining, and 3.8, 4.0, 4.2 is a rock bucket, mainly used for loading of blasting material, and 4.6, 5.0 is a reinforced bucket, mainly used for light material loading conditions.

除了铲斗之外，还可以搭载松土器，岩石臂，破碎锤等，实现装载、剥离、破碎等多种作业。

In addition to the bucket, it can also be equipped with rippers, rock arms, breakers, etc., to achieve various operations such as loading, stripping, and crushing.

## 二、设备亮点及特点 **HIGHLIGHTS AND FEATURES**

### (一) 节能环保 **Energy saving and environmentally friendly**

原装进口美国珀金斯发动机，动力强劲，挖掘更高效。低排放，低噪音，大大减少对环境的危害。与同级别产品对比拥有更强大的挖掘力、回转扭矩和牵引力，保证设备快速高效工作。整机坚固耐用、油耗低，可满足所有工况需求。久经考验、坚固耐用的部件和精密的制造工艺，使得该系列产品拥有更高的可靠性和高效性。

The original imported American Perkins engine has powerful power and more efficient mining. Low emission, low noise, greatly reducing the harm to the environment. Compared with products of the same level, it has stronger digging force, rotary torque and traction force, ensuring the equipment to work quickly and efficiently. The whole machine is sturdy and durable, with low fuel consumption, which can meet the needs of all working conditions. The tried-and-tested, durable components and sophisticated manufacturing process make this series of products more reliable and efficient.

采用完全独立散热系统，风扇转速随油温、水温、中冷温度变化而自动控制；标配风扇反转系统，可实现散热器表面的自动清理，降低客户的维护保养工作量；可选择风扇卸荷，实现风扇零转速，实现冬季低温时机器的快速预热。

It uses a completely independent cooling system, and automatically controls the fan speed according to changes in oil temperature, water temperature and intercooler temperature. The standard fan reversing system can

realize automatic cleaning of the radiator surface, reducing customer maintenance workload. Optional fan unloading, to achieve zero fan speed, to achieve low temperature in winter.

## (二) 高效回报 **Efficient return**

XE700DF 液压挖掘机采用低速大扭矩发动机，配合全球领先的预喷柴油技术，精确匹配发动机和液压系统，最大限度地利用发动机功率，确保所有工况掉速小，掉速恢复时间短，提升作业效率。

XE700DF hydraulic excavator uses a low-speed and high-torque engine. It is matched with the world's leading pre-injection diesel technology to accurately match the engine and hydraulic system to maximize the use of engine power to ensure that the speed drop is small and the speed drop is restored in all working conditions. The time is short and the work efficiency is improved.

XE700DF 液压挖掘机关键元器件全部采用进口配套，采用成熟可靠的负流量控制系统。

The key components of the XE700D hydraulic system are all imported and equipped with a mature and reliable negative flow control system.

标配大容量岩石型铲斗，相同时间作业量更大，优化主泵重载曲线，提升矿山施工重载作业效率。

The workload of the standard large-capacity rock-type bucket is greater at the same time. The main pump heavy-duty curve is optimized to improve the efficiency of heavy-duty mining operations.

超长的维保周期，整机维护保养时间较上一代产品延长 1 倍。

Long maintenance cycle, the maintenance time of the whole machine is doubled compared with the previous generation product.

### (三) 关键核心技术 **Key core technology**

采用全球领先的 FFTC 预喷柴油技术，实现发动机按需输出功率，精确匹配发动机和液压系统，最大限度地利用发动机功率，发动机和液压系统匹配度达 95% 以上，发动机掉速改善 30%，发动机掉速恢复时间缩短 25%，保证机器快速、高效作业，降低能耗。

Adopting the world's leading FFTC pre-injection diesel technology to achieve the engine's on-demand output power, accurately match the engine and hydraulic system, and maximize the use of engine power. Engine and hydraulic system matching degree above 95%, and the engine speed improve 30%, and reduced speed recovery time by 25% to ensure fast and efficient operation of the machine and reduce energy consumption.

采用三级干式空气过滤系统，可选配油浴式空气过滤器。过滤效率达 99.9%，第二、三级滤芯采用纸质滤芯，确保第一级失效时，脏空气不进入发动机进而对发动机造成损害，该过滤系统可以满足矿山高粉尘施工环境。

Adopt three stage dry air filtration system, the first stage is oil bath air filter. The filtration efficiency is up to 99.9%. The second and third stage filter elements adopt paper filter elements to ensure that when the first stage fails, dirty air will not enter the engine and cause damage to the engine. The filter system can meet the high dust construction environment of the mine.

采用成熟可靠的负流量液压系统，通过降低轻载区主泵排量，降低轻

载时作业速度，减轻对工作装置的冲击，延长结构件使用寿命，提升重载区主泵排量，提升重载时作业速度，增大作业效率；采用完全独立散热系统，风扇转速随油温、水温、中冷温度变化而自动控制；标配风扇反转系统，可实现散热器表面的自动清理，降低客户的维护保养工作量；标配风扇卸荷阀，可实现风扇零转速，实现冬季低温时机器的快速预热。

The mature and reliable negative flow hydraulic system is adopted to reduce the displacement of the main pump in the light load area, reduce the operation speed under light load, reduce the impact on the working device, prolong the service life of the structural parts, improve the displacement of the main pump in the heavy load area, improve the operation speed under heavy load, and increase the operation efficiency. Completely independent heat dissipation system, the fan speed with oil temperature, water temperature, temperature change and automatic control; Standard fan inversion system, can realize automatic cleaning of radiator surface, reduce customer maintenance workload; Standard fan unloading valve, can achieve zero fan speed, realize the machine in low temperature in winter fast preheating.

#### (四) 可靠耐用 **Reliable and durable**

建立整机实体有限元模型，对整机进行静力、动态模拟分析，对工作装置等关键结构件进行疲劳寿命等分析或计算，保证产品长期耐久工作。

Establish a physical finite element model of the whole machine, perform static and dynamic simulation analysis on the whole machine, analyze or calculate the fatigue life of key structural parts such as working devices, to

ensure long-term durability of the product.

发动机采用强化缸体、凸轮轴、曲轴及连杆，大幅延长大修时间；采用更适应中国市场的电控单体泵燃油系统，大大降低发动机故障率；针对矿山施工高粉尘特点，增加了发动机前端轮系的防尘能力，大幅降低发动机早磨风险。

The engine adopts strengthened cylinder block, camshaft, crankshaft and Lianxuan, which greatly extends the overhaul time; adopts an electronically controlled unit pump fuel system that is more suitable for the Chinese market, which greatly reduces the engine failure rate; for the high dust characteristics of mine construction, the engine front end is added The dust-proof ability of the wheel train greatly reduces the risk of early engine wear.

整机管路和电气线束全部采用新型浸胶卡箍固定，有效防止磨损；采用亮度高，长寿命、低能耗 LED 工作灯，即使多雨雾天气也能良好地工作；控制器采用铸铝外壳，坚固耐用，散热性能好，数据存储稳定，可读写次数高，性能可靠；采用防护等级高、电气导通性能好的德驰品牌多芯插接件，防水防尘性能出色。

The pipeline and electrical wiring harness of the whole machine are all fixed with new dipped clamps to effectively prevent wear; LED work lights with high brightness, long life, and low energy consumption are adopted, which can work well even in rainy and foggy weather; the controller adopts cast aluminum housing , Rugged and durable, good heat dissipation performance, stable data storage, high read and write times, reliable performance; adopts Dechi brand

multi-core connectors with high protection level and good electrical conductivity, excellent waterproof and dustproof performance.

精心设计的加强型前端工作装置，进行了疲劳强度试验，可靠性满足重载挖掘和采矿需要。动臂和斗杆关键部位采用整体铸件结构，大幅降低焊接应力集中及缺陷，通过应力分析和疲劳寿命测试，保证了结构件足够的强度和刚度，可满足重载挖掘和采矿需要。

The well-designed reinforced front-end working device has undergone a fatigue strength test, and its reliability meets the needs of heavy-duty excavation and mining. The key parts of the boom and the stick adopt the integral forging structure, which greatly reduces the welding stress concentration and defects. Through stress analysis and fatigue life testing, the strength and rigidity of the structure are ensured to meet the needs of heavy-duty excavation and mining.

标配岩石型铲斗，采用高强度钢板，加强设计，提高使用寿命。同时选用禾顺公司的 TV 型斗齿，穿透力强，耐磨性能好，且有多种可供选择的斗齿，可满足不同施工工况需求。

Standard heavy-duty rock bucket, adopts high-strength steel plate, strengthened design, and improves service life. At the same time, the TV type bucket teeth of Heshun Company are selected, which have strong penetration and good wear resistance. There are also a variety of bucket teeth to choose from, which can meet the needs of different construction conditions.

转台主体由加强钢板焊接而成的工字梁结构，受力较大部位采用 Q460D 高强钢板，提高了主体部分承受正负弯矩的能力，比上一代产品提

高承载能力 50%，并大大提升抗弯截面模量，保证上部机器强度需求。采用 D 型结构钢设计的左右裙架，可以有效防止撞击变形。

The main body of the turntable is welded by reinforced steel plates. The high-strength Q460D steel plates are used for the larger parts of the turntable, which improves the main body's ability to withstand positive and negative bending moments. The load-bearing capacity is 50% higher than the previous generation, and the resistance is greatly improved. The bending section modulus ensures the strength requirements of the upper machine. The left and right skirts designed with D-shaped structural steel can effectively prevent deformation in impact.

XE700DF 底盘上回转支承安装面高度低，整机工作稳定性更好。所有螺栓均使用达克罗工艺处理，同时针对不同部位调整螺栓的装配工艺和拧紧力矩，提高其耐久性。采用更大尺寸规格的轮系产品，满足矿山作业需求。采用整体式重型夹轨器，防护效果好，使用寿命长。

The height of the mounting surface of the slewing bearing on the XE700DF chassis is low, and the working stability of the whole machine is better. All bolts are treated with Dacromet process, and the assembly process and tightening torque of bolts are adjusted for different parts to improve their durability. The gear train products of larger sizes are adopted to meet the needs of mining operations. It adopts integral heavy-duty rail clamp, which has good protection effect and long service life.

#### (五) 智能管控 **Intelligent control**

先进的 XEICS 徐工矿机智能管理系统，采用 CAN 总线通讯和物联网技术，集主控制系统、发动机 ECM、监控系统、操控面板、GPS 云控系统和现场诊断系统于一体，实现机器信息数字化共享，提高产品智能化水平。

The advanced XEICS XCMG excavator intelligent management system adopts CAN bus communication and Internet of Things technology, which integrates the main control system, engine ECM, monitoring system, control panel, GPS cloud control system and on-site diagnosis system to realize the digital sharing of machine information. Improve the level of product intelligence.

便捷的手机 APP 微服务，随时随地掌握设备的位置、工作状况、工作时间、燃油消耗和保养周期等信息。

Convenient mobile APP micro-services, you can know the location, working status, working hours, fuel consumption and maintenance period of the equipment anytime and anywhere.

自主控制器采集设备位置的海拔高度和发动机进气压力，自主判定确定数据库，在显示器上提示操作者选择高原模式。智能匹配液压泵与发动机功率，从而保证泵的流量输出，降低发动机掉速比，防止冒黑烟和憋车，保证挖掘机工作效率。

The autonomous controller collects the altitude of the equipment location and the engine intake pressure, determines the database autonomously, and prompts the operator to select the plateau mode on the display. Intelligently match the power of the hydraulic pump and the engine, so as to ensure the flow

output of the pump, reduce the engine speed ratio, prevent black smoke and hold the car, and ensure the working efficiency of the excavator.

作业模式自动匹配：根据工况，档位可自动匹配高效作业模式、经济作业模式；油、水温度智能调节：系统根据水温、油温、进气温度智能调节风扇转速，达到最佳热平衡温度及节能效果；故障代码全解析：发动机故障代码全部自动解析，故障内容一目了然，彻底抛弃查询发动机手册的繁琐；附件管理系统：借助该系统，操作手可通过驾驶室内的监控器预先选定所需模式，以确保各种附件的可用性。

Automatic matching of operation mode: According to the working conditions, the gear can automatically match the efficient operation mode and economic operation mode; intelligent adjustment of oil and water temperature: the system intelligently adjusts the fan speed according to the water temperature, oil temperature, and intake air temperature to achieve the best thermal equilibrium temperature and Energy-saving effect; full analysis of fault codes: all engine fault codes are automatically analyzed, and the fault content is clear at a glance, completely abandoning the cumbersome query of the engine manual; accessory management system: with this system, the operator can pre-select the required mode through the monitor in the cab To ensure the availability of various accessories.

#### (六) 安全舒适 **Safe and comfort**

全新设计的舒适正压驾驶室、先进控制系统以及行为监控系统，驾乘更舒适、操作更智能，密封性较上一代产品提高 70%，有效隔离灰尘，大

幅降低驾驶室内噪音；驾驶室顶部采用 FOPS 护罩，驾驶室前窗采用栅栏式金属护网，前窗采用夹胶玻璃，采用加厚异型钢设计的驾驶室框架足以保护操作者的安全。

The newly designed comfortable positive pressure cab, advanced control system and behavior monitoring system provide more comfortable driving and smarter operation. The sealing performance is 70% higher than that of the previous generation product, which effectively isolates dust and greatly reduces noise in the cab; the top of the cab is adopted FOPS guard, the front window of the cab adopts a fence-type metal net, the front window is made of laminated glass, and the cab frame designed with thickened special-shaped steel is sufficient to protect the safety of the operator.

采用日本进口的高性能硅油减震器可有效消除机器震动对操作者的干扰，选用空气悬浮座椅，扶手与座椅同步高度调整，降低驾驶员的疲劳度，提高舒适性。

The high-performance silicone oil shock absorber imported from Japan can effectively eliminate the interference of the machine vibration to the operator. The air suspension seat is selected, and the armrest and the seat are synchronized in height adjustment to reduce the driver's fatigue and improve the comfort.

全新流线型驾驶室空间设计，轿车级豪华内饰，为操作者营造一个舒心的工作环境；驾驶室内部拥有宽大的操作空间、充足的地步空间和悬浮座椅后面大量的存储空间。设计动作平缓的行走踏板、舒适的息脚踏板。控制装置符合人机工程学原理，各种操作按钮采用智能化布局，触手可及。

超大的操作视野，全景前窗和侧窗，后窗提供各个方向的最佳视野；大功率冷暖空调，确保室内快速制热、制冷，驾驶室内更加舒适。

The new streamlined cab space design and car-class luxury interiors create a comfortable working environment for the operator; the cab has a large operating space, ample foot space and a lot of storage space behind the suspended seat. Design a gentle walking pedal and a comfortable foot pedal. The control device conforms to the principle of ergonomics, and the various operation buttons adopt an intelligent layout and are within easy reach. Large operating field of vision, panoramic front windows, side windows, and rear windows provide the best field of vision in all directions; high-power heating and cooling air-conditioning ensures rapid heating and cooling of the room, making the cab more comfortable.

## 三、产品关键配置情况 MAIN CONFIGURATION

	部件 <i>Part</i>	品牌 <i>Brand</i>	国家 <i>Country</i>
动力系统 Power system	发动机 Engine	珀金斯 Perkins	美国 USA
	散热器 Heat sink	徐工定制 XCMG	中国 China
液压系统 Hydraulic system	主阀 Main valve	纳博 Naf	日本 Japan
	回转马达减速机 Swing motor reducer	纳博 Naf	日本 Japan
	主泵 Main pump	川崎 Kawasaki	日本 Japan
	行走减速机 Walking reducer	徐工定制 XCMG	中国 China
	液压油缸 Hydraulic cylinder	徐工定制 XCMG	中国 China
四轮一带 Four wheels one belt	四轮一带 Four wheels one belt	徐工自制 XCMG	中国 China

## (一) 动力系统 Power system

采用美国原装进口珀金斯电控直喷、4冲程、水冷、涡轮增压、空空中冷、六缸大扭矩低转速发动机，发动机型号为 2206D，额定功率 328KW，满足 Tier3、中国非道路国三排放法规要求。

It adopts American original imported Perkins electronic control, direct injection, 4-stroke, water-cooled, turbocharged, air-to-air cooling, six-cylinder

high-torque low-speed engine, the engine model is 2206D, and the rated power is 403KW, which meets North American Tier 3 and China's non-road country III emission regulations.

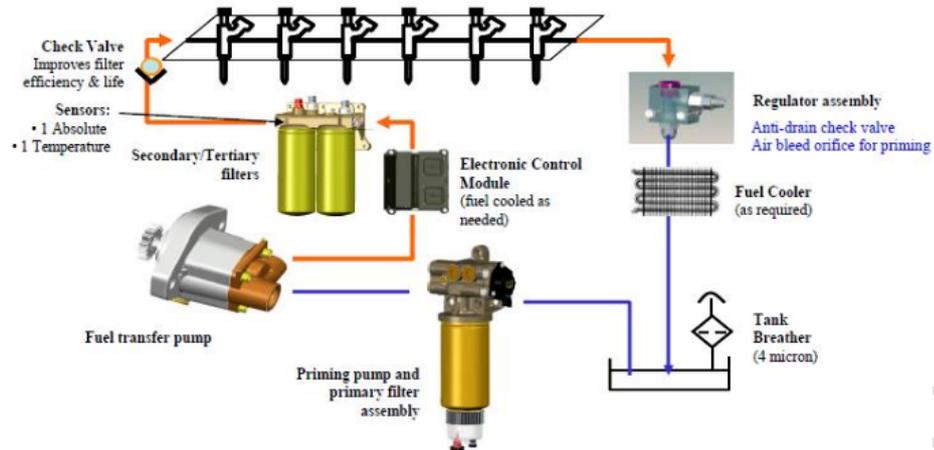
采用徐工和珀金斯联合开发的挖掘机专用功率曲线，功率输出稳定，发动机在低速时就能输出大扭矩，起步加速和超越加速性能明显提升，热负荷、油耗、振动显著降低，使用寿命更长。行业首次采用 FFTC 预喷柴油技术，实现发动机按需输出功率，精确匹配发动机和液压系统，最大限度地利用发动机功率，发动机和液压系统匹配度达 95%以上，发动机掉速改善 30%，发动机掉速恢复时间缩短 25%，保证机器快速、高效作业，降低能耗；具有卓越的瞬态响应和优异的高原特性。

Adopting the special power curve for excavators jointly developed by XCMG and Perkins, the power output is stable, the engine can output large torque at low speed, the starting acceleration and overtaking acceleration performance are significantly improved, the thermal load, fuel consumption, vibration, and the service life are significantly reduced. long. For the first time in the industry, FFTC pre-injection diesel technology is adopted to realize the on-demand output power of the engine, accurately match the engine and hydraulic system, and maximize the use of engine power. The matching degree of engine and hydraulic system is over 95%. The engine speed improve 30%. The speed recovery time is shortened by 25%, ensuring the machine's fast and efficient operation and reducing energy consumption; the engine power reserve is the largest among excavators of the same level, with excellent transient response and excellent plateau characteristics.



XE700DF 液压挖掘机使用的发动机采用的是单体泵燃油供给系统，通过 ECM 实现喷油器的电子控制，各缸之间互不干扰。全电子控制可以精确控制喷油量和喷油时间，降低燃油消耗，提高发动机效率，该类型燃油供给系统更适应国内恶劣的矿山油品现状。

The engine used in the XE700DF hydraulic excavator uses a unit pump fuel supply system, and the electronic control of the injector is realized through ECM, and the cylinders do not interfere with each other. Full electronic control can accurately control the fuel injection volume and fuel injection time, reduce fuel consumption, and improve engine efficiency. This type of fuel supply system is more suitable for the harsh domestic mining oil products.



结合国内油品现状，专为适应矿山地区油品精心设计了三级燃油过滤系统，可有效解决燃油含水、污染及管路易堵塞问题；滤芯更换周期延长至 500 小时，显著降低客户保养成本。

Combined with the current situation of domestic oil products, a three-stage fuel filter system has been carefully designed to adapt to the oil products in the mining area, which can effectively solve the problems of fuel water content, pollution and pipeline blockage; the filter replacement cycle is extended to 500 hours, which significantly reduces customer maintenance costs.



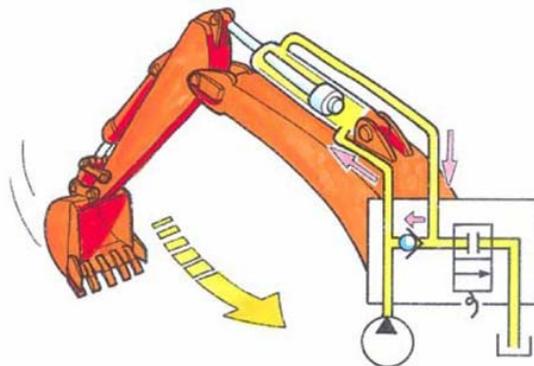
针对矿山施工高粉尘特点，定制开发了三级空气过滤系统，第一级为旋流管式预滤器，可选配油浴式空气过滤器，过滤效率达 99%；第二、三级采用唐纳森重灰度空气过滤器，径向密封，保养方便，高效过滤，适应

高粉尘工况。

In view of the high dust characteristics of mine construction, a three-stage air filtration system has been customized and developed. The first stage is a cyclone tube pre-filter with a filtration efficiency of 99%; the second and third stages use Donaldson heavy gray air filters, radial Sealed, easy to maintain, high-efficiency filtration, suitable for high dust working conditions; at the same time, it is equipped with a standard dust ejection system, which uses exhaust back pressure to automatically clean the dust filtered by the pre-filter to extend the filter replacement time.

## (二) 液压系统 Hydraulic system

XE700DF 液压挖掘机关键元器件全部采用进口配套，其中主泵为日本川崎公司的 K3V280 系列串联泵，主阀为日本纳博公司的 UK36，回转减速机及马达是日本纳博公司的 SG25E-033/034，行走马达和行走减速机分别是日本 KYB 公司的 MSF340VP 和徐工定制行走减速机。XE700DF 液压挖掘机采用液控负流量液压系统，通过负流量、恒功率控制系统和交叉功率控制系统，实现整机作业的高效低耗，增加了部分动作的优先逻辑控制，保证了各动作之间的协调性；通过增加动臂、斗杆和铲斗动作的合流功能、以及动臂和斗杆的再生功能，提升了整机的作业速度。



The key components of the XE700DF hydraulic excavator are all imported and matched. The main pump is K3V280 series tandem pump from Kawasaki, Japan, the main valve is UK36 from Nabo, Japan, and the rotary reducer and motor are SG25E-033/034 from Nabo, Japan. The motor is MSF340VP from KYB of Japan and travel reducer is customized XCMG of China. Through the negative flow, constant power control system and the cross power control system, the high efficiency and low consumption of the whole machine operation are realized, the priority logic control of some actions is increased, and the coordination between various actions is ensured; by adding boom, stick and The merging function of the bucket movements and the regeneration function of the boom and stick increase the operating speed of the whole machine.

动臂和斗杆分别增加了锁止功能，保证了整机管路失效时的安全性。

The boom and the stick are respectively increased with locking functions to ensure the safety of the whole machine when the pipeline fails.



采用完全独立散热系统，标配液压马达驱动的智能反吹系统，可对散热器表面进行自动清理，保护散热系统的同时降低了操作员的工作强度。

Adopting the independent cooling system, the water dispersing fan and the

oil dispersing fan can realize independent control without mutual interference, and the intelligent blowback system driven by the hydraulic motor can automatically clean the surface of the radiator to protect the heat dissipation system at the same time Reduce the work intensity of the operator.



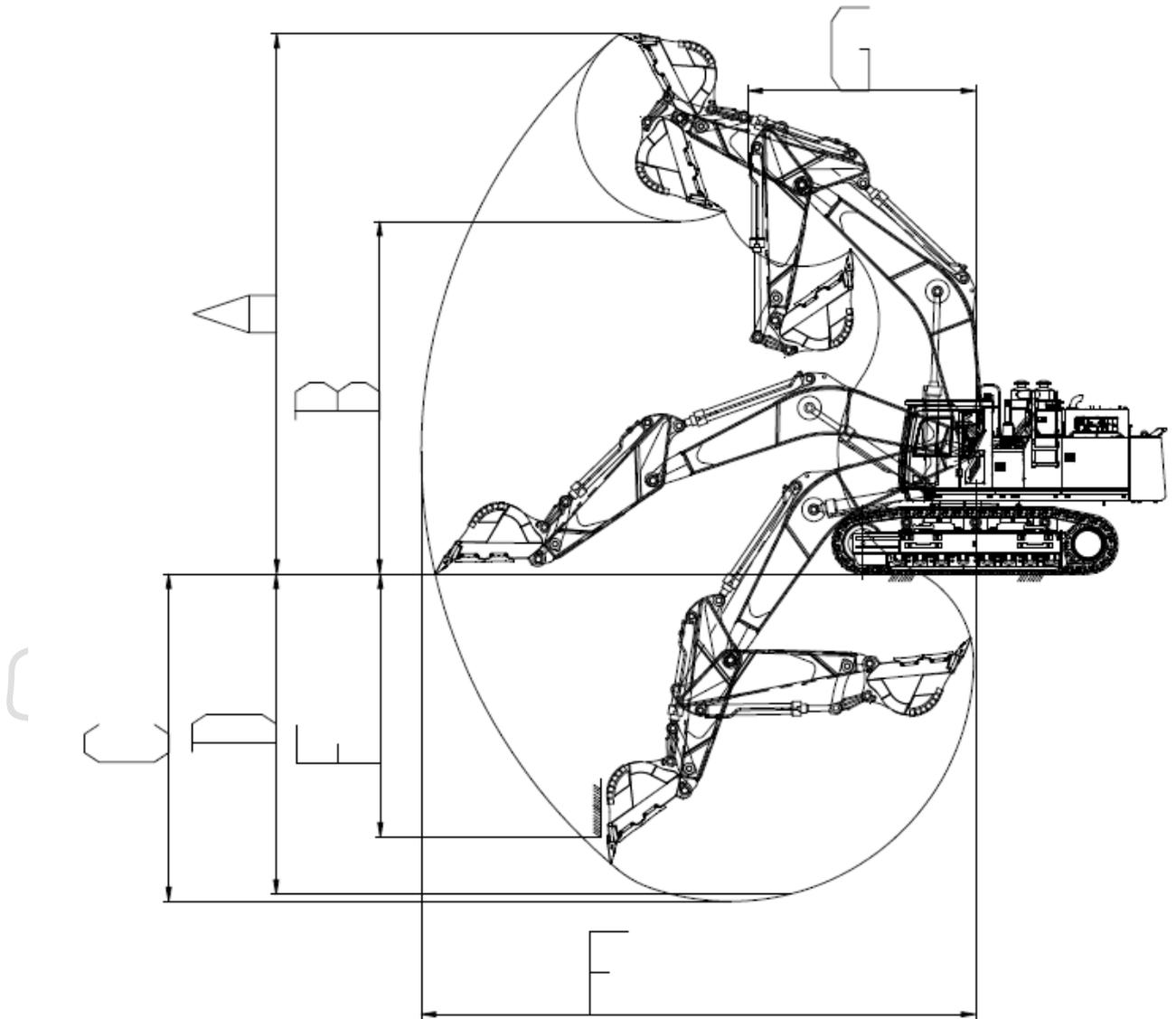
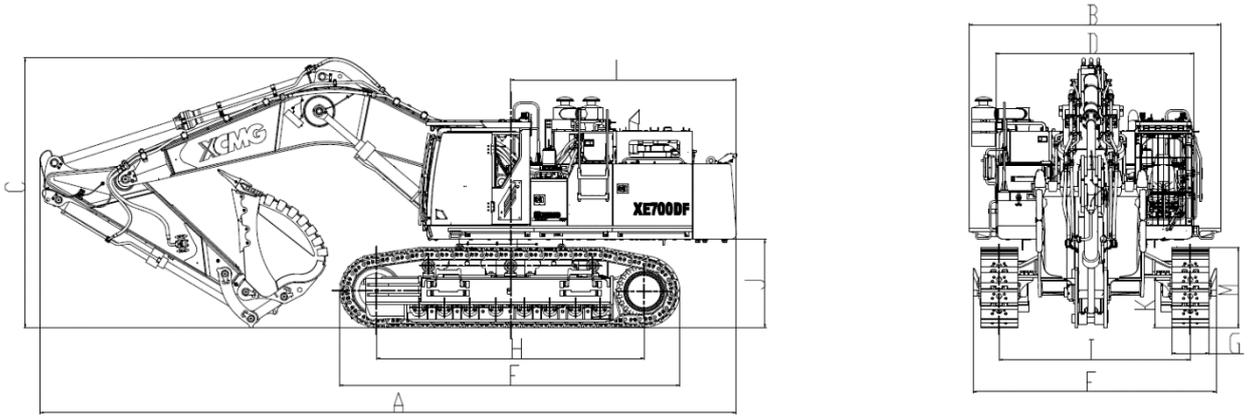
## 四、产品主要技术参数 MAIN TECHNICAL PARAMETERS

名称 Name		单位 Unit	参数 Parameter
操作重量 Operating weight		Kg	70000
斗容 Bucket Capacity		m <sup>3</sup>	2.4-5.0
发动机 Engine	发动机型号 Engine model	/	2206D-E13TA
	直喷 Direct injection	/	√
	4 冲程 4 strokes	/	√
	水冷 Water-cooling	/	√
	涡轮增压 Turbocharging	/	√
	空空中冷 Air-to-air intercooler	/	√
	缸数 Number of cylinders	/	6
	发动机输出功率 Engine output power	kw/rpm	328/2100
	最大扭矩/转速 Maximum torque/speed	N.m/rpm	2010/1400
	排量 Displacement	L	12.5
主要性能 Main Performances	行走速度 Travelling speed	km/h	4.2/3.0
	回转速度 Turning speed	r/min	7
	爬坡能力 Gradeability	°	35°
	接地比压 Ground specific pressure	kPa	101.4

	铲斗挖掘力 Digging force of bucket	kN	363
	斗杆挖掘力 Digging force of arm	kN	300
	最大牵引力 Maximum tractive force	kN	485
液压系统 Hydraulic System	主泵 Main pump	/	2 个柱塞泵 2 piston pumps
	主泵额定流量 Rated flow of main pump	L/min	2×450
	主安全阀压力 Pressure of main safety valve	MPa	31.4/34.3
	行走系统压力 Pressure of travelling system	MPa	34.3
	回转系统压力 Pressure of slewing system	MPa	28.5
	先导系统压力 Pressure of pilot system	MPa	3.9
油类容量 Oil Capacity	燃油箱容积 Capacity of fuel tank	L	825
	液压油箱容积 Capacity of hydraulic oil tank	L	500
	发动机机油容量 Engine oil capacity	L	45
外形尺寸 Overall Dimensions	A 总长 Total length	mm	12130
	B 总宽 Total height	mm	4410
	C 总高 Total height	mm	4700
	D 转台宽度	mm	3470

	Width of slewing table		
	E 履带长度 Length of track	mm	5875
	F 底盘总宽 Total width of chassis	mm	4370
	G 履带宽度 Length of track	mm	650
	H 履带轴距 Wheel base of track	mm	4700
	I 轨距 Track gauge	mm	2750/3410
	J 配重离地间隙 Ground clearance of counterweight	mm	1565
	K 最低离地间隙 Minimum ground clearance	mm	853
	L 尾部最小回转半径 Minimum turning radius at the tail	mm	4090
	M 履带高度 Track height	mm	1420
工作范围	A 最大挖掘高度 Maximum digging height	mm	11350
	B 最大卸载高度 Maximum unloading height	mm	7370
	C 最大挖掘深度 Maximum digging depth	mm	6900
	D 8 英尺水平面挖掘深度 Digging depth on 8-foot horizontal plane	mm	6750
	E 最大垂直挖掘深度 Maximum vertical digging depth	mm	5500

	F 最大挖掘半径 Maximum digging radius	mm	11580
	G 最小回转半径 Maximum turning radius	mm	4750
标配 Standard configura tion	动臂长度 Length of boom	mm	6600
	斗杆长度 Length of arm	mm	2900
	铲斗斗容 Bucket Capacity	m <sup>3</sup>	4.0 (普通岩石斗) Rock
选装配置 Optional configura tion	动臂长度 Length of boom	mm	7300
	斗杆长度 Length of arm	mm	3500
	铲斗斗容 Bucket Capacity	m <sup>3</sup>	2.4 (松土) Digging 2.8 (岩石) Rock 3.1 (岩石) Rock 3.5 (岩石) Rock 3.8 (岩石) Rock 4.0 (岩石) Rock 4.6 (加强) Reinforced 5.0 (加强) Reinforced
	-40°C 低温配置 -40°C Low temperature configuration		发动机冷启动 Engine cold start
	全自动灭火系统, 集中加注系统, 油品采样系统 Fully automatic fire extinguishing system, centralized filling system, oil sampling system		





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