



XE215CLL 履带挖掘机技术规格书

(此规格书仅适用于挖掘机产品的技术推荐)

2021年5月1日第一版

XE215CLL Crawler Excavator Technical Specification

This specification only applies to technical recommendations for excavator products

May 1, 2021 first version

徐工集团挖掘机械事业部

XCMG EXCAVATOR MACHINERY BUSINESS DEPARTMENT

因技术设计的不断进步，我们无法将产品变更有效的通知到阁下，敬请谅解

XE215CLL 履带挖掘机主要技术参数表
XE215CLL Crawler Excavator Technical Specification

型号 Model		单位 Unit	XE215CLL
操作重量 Operating weight		Kg	22350
铲斗容量 Bucket capacity		m ³	0.4
发动机 Engine	发动机型号 Model	/	CC-6BG1TRP
	直喷 Direct injection	/	√
	4冲程 Four strokes	/	√
	水冷 Water cooling	/	√
	涡轮增压 Turbo-charging	/	√
	空空中冷 Air to air intercooler	/	√
	缸数 No. of cylinders	/	6
	额定功率/转速 Rated power/speed	kw/rpm	128.5/2100
	最大扭矩/转速 Maximum torque/speed	N. m/ rpm	637/1800
	排量 Displacement	L	6.494
主要性能 Main performance	行驶速度(高/低) Travel speed (H/L)	km/h	5.3/2.8
	回转速度 Swing speed	r/min	12.2
	爬坡能力 Gradeability	°	≤30
	接地比压 Ground pressure	kPa	36.2
	铲斗挖掘力 Bucket digging force	kN	78.7
	斗杆挖掘力 Arm digging force	kN	40
	最大牵引力 Maximum tractive force	kN	184
液压系统 Hydraulic system	主泵 Main pump	/	2个柱塞泵 Two piston pumps
	主泵额定流量 Rated flow of main pump	L/min	2×231
	主安全阀压力 Main safety valve pressure	MPa	34.3/37
	行走系统压力 Travel system pressure	MPa	34.3
	回转系统压力 Swing system pressure	MPa	28
	先导系统压力 Pilot system pressure	MPa	3.9
油类容量 Oil Capacity	燃油箱容量 Fuel tank capacity	L	400
	液压油箱容量 Hydraulic tank capacity	L	220
	发动机油容量 Engine oil capacity	L	25
外形尺寸 Appearance size	A 总长 Overall length	mm	12050
	B 总宽 Overall width	mm	3190
	C 总高 Overall height	mm	3150
	D 转台宽度 Width of platform	mm	2710
	E 履带长度 Track length	mm	4255
	F 底盘总宽 Overall width of chassis	mm	3190
	G 标准履带板宽度 Track shoe width	mm	800
	H 履带轴距 Wheel base of crawler	mm	3462

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	I轨距Track gauge	mm	2390
	J配重离地间隙Counterweight clearance	mm	1050
	K最低离地间隙Min. ground clearance	mm	486
	L尾部回转半径Min. tail swing radius	mm	2844
	M履带高度 Track height	mm	942
作业范围 Working scope	A最大挖掘高度 Max. digging height	mm	13500
	B最大卸载高度Max. dumping height	mm	11150
	C最大挖掘深度Max. digging depth	mm	11610
	D 8英尺水平面挖掘深度 Maximum depth cut for 2240mm(8 ft) level bottom	mm	-
	E最大垂直挖掘深度Max. vertical wall digging depth	mm	8800
	F最大挖掘半径Max. digging radius	mm	15430
	G最小回转半径Min. swing radius	mm	4730
标配 Standard	动臂长度 Length of boom	mm	8140
	斗杆长度Length of arm	mm	6335
	铲斗斗容Bucket capacity	m ³	0.4
选配 Optional	动臂长度 Length of boom	mm	-
	斗杆长度Length of arm	mm	-
	铲斗斗容Bucket capacity	m ³	-

XE215CLL 履带挖掘机主要部件配置表

XE215CLL Crawler Excavator Main Parts Lists

序号 No.	部件名称 Part Name	备注 Remarks	序号 No.
1	发动机 Engine	五十铃 Isuzu	
2	主泵 Main Pump	徐工 XCMG	
3	主阀 Main Valve	徐工 XCMG	
4	行走马达 Travel Motor	徐工 XCMG	
5	回转马达 Swing Motor	川崎 Kawasaki	
6	空调 AC	泰铂(上海) TAYBO (Shanghai)	

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7	四轮一带 Sprocket, idler, carrier roller, track roller and track	徐工 XCMG	
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XE215CLL 履带挖掘机亮点介绍

XE215CLL Crawler Excavator Highlights

XE215CLL 超长工作装置液压挖掘机是徐工集团在广泛吸收国外同类产品先进技术，采用最新技术，自行开发的全新产品。是一种具有最新技术、充分重视安全性及环保性能、具有极高生产效率的高效挖掘机。项目在充分吸收国际先进技术基础上，立足自主创新，全新升级的 XE215CLL 液压挖掘机，动力更足，油耗更低，作业性能更强，可广泛用于河道疏浚、湖泊清洁、水库维护等特殊工况，对于护岸及大坡面作业实施与修缮、农业建设、湿地及沼泽抽水后的土壤剥离，具有较强的适应性作业能力。

XE215CLL hydraulic excavator with super long reach is a new self-developed product by adopting the latest technology and the advanced technology of similar products abroad. It is an efficient excavator with the latest technology, full attention to safety and environmental performance, and high production efficiency. Based on the full absorption of internationally advanced technology and relying on independent innovation, the fully upgraded XE215CLL hydraulic excavator has more power, lower fuel consumption and stronger working performance. It can be widely used in river dredging, lake cleaning, reservoir maintenance and other special working conditions. In addition, it has strong adaptability to the implementation of revetment and slope operation, agricultural construction, wetland and soil exhumation after swamp pumping.

整机采用原装进口 128.5kW 大功率发动机，徐工专有、专用技术，低速大扭矩，高压喷射，动力更强，燃油经济性更好。新型高效主泵，全面升级，大排量，较上一代产品提高 7%；高效率，同等压力内泄漏减少；斜盘摆角，功率密度增大，整体实现更大的作业量。新一代高效主阀，溢流压力提升，压损更小，工作能力更突出。新型安全操作手柄，防止误操作引起的车辆动作对人体造成伤害，更安全可靠。

The whole machine adopts imported 128.5kW high-power engine, XCMG proprietary and special technology, featuring low speed and high torque, high-pressure injection, stronger power and better fuel economy. New high-efficiency main pump is fully upgraded, with large displacement, which is 7% higher than that of the previous generation. High efficiency, and leakage is reduced under the same pressure. Swashplate swing angle makes power density increase, and achieves much more work. With new generation of high efficiency main valve, the overflow pressure is increased, the pressure loss is smaller, and the working ability is more outstanding. The new safe operation lever can prevent vehicle movement caused by misuse from causing personal injury, and is more safe and reliable.

徐工挖掘机研发的四轮一带，依托山推技术优势，立足中国客户的使用需求，性能优良，质量可靠，使用寿命长。履带使用寿命提高 25%，引导轮使用时间比

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传统铸钢提高 30%以上，驱动轮抗磨性能较传统工艺提升 20%，支重轮使用寿命大幅超越现有传统产品，支重轮提高了耐久性并降低了脱链发生的风险。

The four rollers and one track developed by XCMG Excavator takes the advantages of Shantui technology and is based on the needs of Chinese customers. It has excellent performance, reliable quality and long service life. The service life of the track is increased by 25%, the service life of the idler is increased by more than 30% compared with the traditional casting steel, the wear resistance of the sprocket is increased by 20% compared with the traditional technology, the service life of the track roller greatly exceeds that of the existing traditional products, and the track roller improves the durability and reduce the shedding risk of chain links.

工作装置应用力学元力分析技术，结合客户实际使用中存在的问题，对容易开裂的部位进行加强处理，保罗侧板及底板加厚、增加内部加强板、重新设计耳板形状等，可靠性大幅增强。

Applying the mechanics principle analysis technology on working equipment, along with the problems existing in the actual use of the customer, strengthens the parts that are easy to crack, thickens the side plate and the bottom plate, adds the internal reinforcing plate, and redesigns the shape of ear plate to improve the reliability.

采用罗特艾德回转支承，蒂森克虏伯制造，百年企业德国克虏伯公司为德国军企，产品质量一直位居世界第一！罗特艾德回转支承具有如下特点：回转扭矩大，高出其他品牌 10 个点；整机制动性能，操控性能大幅提升；回转减速机寿命大幅延长。

With ThyssenKrupp technology, slewing bearing is manufactured by Xuzhou Rothe Erde Slewing Bearing Co., Ltd. (XREB). ThyssenKrupp is a German enterprise that manufactures military products, and its product quality has always ranked first in the world. The Rothe Erde slewing bearing has the following characteristics: large rotary torque, which is 10 points higher than other brands; the braking and handling performance of the whole machine are greatly improved; the life of the rotary reducer is greatly extended.

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