



XE55GA 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）

2022 年 10 月第一版

XE55GA Crawler Excavator Technical Specifications

（This specification only applies to technical recommendations for excavator products）

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徐工集团挖掘机械事业部

徐工徐工 助您成功

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。

XE55GA 履带挖掘机技术规格

XE55GA Crawler Excavator Technical Specifications

型号 Model			单位 Unit	XE55GA
操作重量 Operating weight			Kg	5750
铲斗容量 Bucket capacity			m³	0.23
发动机 Engine	型号 Model		/	V2607
	直喷 Direct injection		/	√
	4 冲程 Four strokes		/	√
	水冷 Water cooled		/	√
	涡轮增压 Turbocharged		/	/
	空空中冷 Air to air intercooler		/	/
	缸数 Number of cylinders		/	4
	额定输出功率/转速 Rated power/speed		kw/rpm	35.0/2200
	最大扭矩/转速 Maximum torque/speed		N.m	171.5/800-1800
	排量 Piston displacement		L	2.615
主要性能 Main performance	行驶速度(高/低) Travel speed (H/L)		km/h	4.2/2.4
	回转速度 Swing speed		r/min	11
	爬坡能力 Gradeability		°	≤35
	接地比压 Ground pressure		kPa	32.5
	铲斗挖掘力 Bucket digging force		kN	48.3
	斗杆挖掘力 Arm digging force		kN	32.5
	最大牵引力 Maximum tractive force		kN	50.5
	动臂偏转（左） Boom offset（Left）		°	/
	动臂偏转（右） Boom offset（Right）		°	/
液压系统 Hydraulic system	主泵 Main pump		/	柱塞泵
	主泵额定流量 Rated flow of main pump		L/min	158.4
	主安全阀压力 Relief valve setting pressure		MPa	24.5
	行走系统压力 Travel system pressure		MPa	24
	回转系统压力 Swing system pressure		MPa	24
	先导系统压力 Pilot system pressure		MPa	3.5
油类容量 Oil Capacity	燃油箱容量 Fuel tank capacity		L	110
	液压油箱容量 Hydraulic tank capacity		L	85
	发动机油容量 Engine oil capacity		L	12
外形尺寸 Appearance size	A	总长 Overall length	mm	6010
	B	总宽 Overall width	mm	2000
	C	总高 Overall height	mm	2650
	D	转台宽度 Width of platform	mm	1880
	E	履带长度 Track length	mm	2535
	F	底盘总宽 Overall width of undercarriage	mm	2000
	G	标准履带板宽度 Track shoe width	mm	400
	H	履带轴距 Tumbler distance	mm	1990

	I	轨距 Track gauge	mm	1600
	J	配重离地间隙 Counterweight clearance	mm	700
	K	最低离地间隙 Minimum ground clearance	mm	385
	L	最小尾部回转半径 Minimum tail swing radius	mm	1700
	M	履带高度 Track height	mm	606
作业范围 Working scope	A	最大挖掘高度 Maximum digging height	mm	5630
	B	最大卸载高度 Maximum dumping height	mm	3945
	C	最大挖掘深度 Maximum digging depth	mm	3830
	E	最大垂直挖掘深度 Maximum vertical wall digging depth	mm	2680
	F	最大挖掘半径 Maximum digging reach	mm	6130
	G	最小回转半径 Minimum swing radius	mm	2460
	H	最大推土铲提升高度 Maximum dozer lifting height	mm	390
	I	最大推土铲刀切割深度 Maximum dozer cutting depth	mm	560
工作装置 Equipment	标配 Standard	动臂长度 Length of boom	mm	3000
		斗杆长度 Length of arm	mm	1600
		铲斗斗容 Bucket capacity	m ³	0.23
	选配 Optional	动臂长度 Length of boom	m ³	/
		斗杆长度 Length of arm	m ³	/
		铲斗斗容 B Bucket capacity	m ³	/

XE55GA 主要配套件明细

XE55GA Main Parts Lists

序号 No.	部件名称 Part Name	品牌 Brand	备注 Remarks
1	发动机 Engine	久保田 Kubota	
2	主泵 Main Pump	徐工 XCMG	
3	主阀 Main Valve	徐工 XCMG	
4	行走马达 Track Motor	徐工 XCMG	
5	回转马达 Swing Motor	徐工 XCMG	
6	四轮一带 Sprocket, idler, carrier roller, track roller and track	徐工 XCMG	

XE55GA 产品亮点

XE55GA Highlights

XE55GA 液压挖掘机具有挖、装、平、开、破、钻、夹、起重等功能，在水电、交通、市政、园林、农田改造、输油管线等建设和生产领域扮演着愈来愈重要的角色。

The XE55GA hydraulic excavator has functions such as digging, loading, leveling, opening, breaking, drilling, clamping, and lifting, and plays an increasingly important role in the construction and production fields of hydropower, transportation, municipal engineering, landscaping, farmland renovation, oil pipelines, and other fields.

性能提升:

1. 新一代久保田国四发动机动力总成，燃油喷射系统全新优化，噪音低，低油耗。主泵与发动机功率完美匹配，E/P/B 三种智能模式控制，轻松应对破碎、轻载及重载工况，搭配自动怠速控制技术，实现挖掘作业综合油耗下降 4%以上。
2. 全新一代主阀，进一步优化动作协调性，提升平地效率、装车和甩方速度，斗杆更加灵活，降低操作难度和疲劳感；行走冲击优化，启动和停止更加柔和。整体操控性能更佳，客户试机时会有明显感知。
3. 加强加大型底盘，扎实的底盘使得挖掘更沉稳，作业吊装更轻松。
4. 由手动空调升级为自动空调，快速温降或温升；前侧迎面风风速加大，提升夏季清凉感；增加新风系统，优化风口位置，增加吹脚风口。空调性能提升，客户试机时会有明显感知。

Performance improvement:

1. New generation Kubota Guo-4 engine Powertrain, fuel injection system is newly optimized, with low noise and low fuel consumption. The main pump and engine power are perfectly matched, with three intelligent modes of E/P/B control, making it easy to cope with crushing, light load, and heavy load conditions. Coupled with automatic idle control technology, it achieves a comprehensive fuel consumption reduction of over 4% during excavation operations.
2. A new generation of main valves, further optimizing action coordination, improving leveling efficiency, loading and throwing speed, making the bucket more flexible, reducing operational difficulty and fatigue; Optimization of walking impact, softer start and stop. The overall handling performance is better, and customers will have a clear perception when testing the machine.

3. Strengthen and increase the size of the chassis. A solid chassis makes excavation more stable and lifting operations easier.

4. Upgrading from manual air conditioning to automatic air conditioning, with fast temperature drop or rise; The wind speed on the front side increases, enhancing the cool feeling in summer; Add Dedicated outdoor air system, optimize the position of air outlets, and add foot blowing air outlets. The air conditioning performance has been improved, and customers will have a clear perception when testing the machine.

舒适性:

1. 大气外观设计及内饰: 流线型修长的车身曲线, 更大的外形尺寸, 力量与美观兼顾, 整车更显高端大气; 7 寸触摸仪表, 新型米色内饰, 茶杯座和储物空间一应俱全, 豪华感提升; 客户试机时会有明显感知;

2. 音响效果更动听: 信号输入可采用 USB、蓝牙、收音机等; 客户试机时会有明显感知;

3. 先导手柄人机工程优化: 基于操作舒适性提升的先导手柄外形尺寸定制化设计, 配合肘托, 降低手臂操作的疲劳感; 客户试机时会有明显感知;

4. 更大的通道尺寸: 左侧翻转式扶手箱, 大幅增加上车通道空间; 更大的驾驶室空间, 满足 95 百分位人群驾驶要求; 客户试机时会有明显感知;

Comfort:

1. Atmospheric exterior design and interior: streamlined and slender body curves, larger overall dimensions, balance strength and aesthetics, and the entire vehicle shows a more high-end atmosphere; 7-inch touch instrument panel, new beige interior, complete with tea cup holders and storage space, enhancing the sense of luxury; Customers will have a clear perception during machine testing;

2. More pleasant sound effect: Signal input can use USB, Bluetooth, radio, etc; Customers will have a clear perception during machine testing;

3. Ergonomic optimization of the pilot handle: Based on the customized design of the overall dimensions of the pilot handle for improved operational comfort, combined with the elbow support, it reduces the fatigue of arm operation; Customers will have a clear perception during machine testing;

4. Larger channel size: Left flip armrest box, greatly increasing the space for boarding passage; Larger cab space to meet the driving requirements of the 95th

percentile population; Customers will have a clear perception during machine testing;

更可靠耐用:

- 1、满足 TOPS 认证驾驶室，采用大面积高强度钢化玻璃，在保证驾驶室强度的同时提升驾驶员的视野，驾驶室顶部配备照明灯，保证夜间工作精准安全。
2. 标配推土铲液压锁，长时间作业不掉铲，用作支点撑车时，守护驾驶员安全。
3. 用支重轮代替拖链轮，底盘采用加大加强 X 架结构，下车架内部通过加强筋板，形成大截面箱体，具有良好的承载性能，可以将上车的重量均匀的施加在履带梁上，车架寿命进一步提高。

More reliable and durable:

1. The TOPS certified cab is equipped with a large area of high-strength tempered glass, which not only ensures the strength of the cab but also enhances the driver's field of view. The top of the cab is equipped with lighting to ensure precise and safe night work.
2. Equipped with a hydraulic lock for bulldozers as standard, the shovel will not fall off during long-term operations. When used as a support point to support the vehicle, it protects the driver's safety.
3. Using support wheels instead of drag chain wheels, the chassis adopts an enlarged and strengthened X-frame structure. The lower frame is internally reinforced with rib plates to form a large cross-section box, which has good load-bearing performance. It can evenly apply the weight of the upper vehicle to the track beam, further improving the service life of the frame.

维修性提升:

- 1、人性化配置：增加黄油枪存放架；增加外置抽拉式工具箱；客户试机时会有明显感知；
- 2、三片式机罩，维修保养空间大：散热器清理、发动机三滤、机舱内部件维修保养一览无余，触手可及。客户试机时会有明显感知；
- 3、更大的加油口，燃油加注更方便：燃油箱加注口直径加大，手提油桶加油更加方便，同时可以有效减少滴漏情况。
- 4、发动机柴油滤、机油滤、空滤等日常的维修保养件触手可及，减少停机时间。

Maintenance improvement:

1. Humanized configuration: add storage rack for Grease gun; Add an external pull-out toolbox; Customers will have a clear perception during machine testing;
2. Three piece hood with large maintenance space: radiator cleaning, engine three filters, and maintenance of internal parts of the engine compartment at a glance, within easy reach. Customers will have a clear perception during machine testing;
3. Larger fuel filling port makes fuel filling more convenient: the diameter of the fuel tank filling port is enlarged, making it more convenient to refuel with a portable oil bucket, while effectively reducing dripping and leakage.
4. Daily maintenance and repair parts such as diesel filters, engine oil filters, and air filters are within reach, reducing downtime.

选配部分:

可选装破碎管路、破碎锤、燃油加油泵、橡胶履带块等，以拓宽机器应用领域。

Optional parts:

Optional crushing pipelines, crushing hammers, fuel refueling pumps, rubber track blocks, etc. can be installed to expand the application field of the machine.