



XE15U 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)

2020 年 5 月 1 日第一版

XE15U Crawler Excavator Technical Specification

Технические характеристики гусеничного

экскаватора XE15U

This specification only applies to technical recommendations for excavator products

May 1, 2020 first version

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

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XE15U Crawler Excavator Technical Specification

型号 Model		单位 Unit	XE15U	
操作重量 Operating weight		Kg	1795	
铲斗容量 Bucket capacity		m ³	0.04	
发动机 Engine	型号 Model	/	久保田 D782	
	型式 Type	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	/	3	
	额定输出功率/转速 Output power	kw/rpm	9.8/2300	
	最大扭矩/转速 torque/speed	N.m	44.5/1800	
排量 Displacement	L	0.778		
主要性能 Main performance	行驶速度(高/低) Travel speed (H/L)	km/h	3.9/2.1	
	回转速度 Rotating speed	r/min	8.7	
	爬坡能力 Gradeability	°	≤30	
	接地比压 Ground pressure	kPa	28.5	
	铲斗挖掘力 Bucket digging force	kN	16	
	斗杆挖掘力 Arm crowd force	kN	10	
最大牵引力 Maximum traction	kN	15.6		
液压系统 Hydraulic system	主泵 Main pump	/	/	
	主泵额定流量 Rated flow of main pump	L/min	57.5	
	主安全阀压力 Pressure of prime valve	MPa	21.6	
	行走系统压力 Pressure of travel system	MPa	21.6	
	回转系统压力 Pressure of swing system	MPa	11	
	先导系统压力 Pressure of pilot system	MPa	3.9	
油类容量 Oil Capacity	燃油箱容量 Fuel tank capacity	L	17	
	液压油箱容量 Hydraulic tank capacity	L	18	
	发动机油容量 Engine oil capacity	L	3.8	
外形尺寸 Appearance	A 总长 Overall length	mm	3560	
	B 总宽 Overall width	mm	990/1240	

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size	C	总高 Overall height	mm	2350
	D	转台宽度 Width of platform	mm	990
	E	履带长度 Length of crawler	mm	1642
	F	底盘总宽 Overall width of chassis	mm	990/1240
	G	标准履带板宽度 Width of crawler	mm	230
	H	履带轴距 Track length on ground	mm	1270
	I	轨距 Crawler gauge	mm	760/1010
	J	配重离地间隙 Clearance under counterweight	mm	450
	K	最低离地间隙 Min. ground clearance	mm	145
	L	尾部回转半径 Min. tail swing radius	mm	620
	M	履带高度 Height of track	mm	380
作业范围 Working scope	A	最大挖掘高度 Max. digging height	mm	3475
	B	最大卸载高度 Max. dumping height	mm	2415
	C	最大挖掘深度 Max. digging depth	mm	2290
	D	8 英尺水平面挖掘深度	mm	2055
	E	最大垂直挖掘深度 Max. vertical wall digging depth	mm	1750
	F	最大挖掘半径 Max. digging reach	mm	3900
	G	最小回转半径 Min. swing radius	mm	1550
工作装置 Worker	标配 Standard	动臂长度 Length of boom	mm	1828
		斗杆长度 Length of arm	mm	950
		铲斗斗容 Bucket capacity	m ³	0.04
	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 Bucket capacity	m ³	/

XE15U 主要配套件明细 XE15U Main Parts Lists

序号 No.	项目 Item	内容 Detail	
1	发动机 Engine	制造商 Manufacture	久保田 Kubota
		产地 Origin	日本 Japan
2	主泵 Main Pump	制造商 Manufacture	凯斯帕
		产地 Origin	日本 Japan
3	主阀 Main Valve	制造商 Manufacture	徐工
		产地 Origin	中国
4	回转马达 Swing Motor	制造商 Manufacture	伊顿 Eaton
		产地 Origin	中国 China

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5	行走马达 Walking Motor	制造商 Manufacture	伊顿
		产地 Origin	中国

XE15U 产品样本亮点

更节能环保：

- 1.采用满足国三排放的机械式喷油发动机，动力强劲，节能环保，可靠性高，性能卓越。
- 2.关键液压件采用最新技术成果，能耗低，响应速度快，控制精准，冲击小，能保持强大的挖掘能力和优异的作业效率。发动机和液压系统功率完美匹配，保证发动机在最佳油耗区工作，提高燃油利用率，节约使用成本。新型液压系统为各工作装置提供足够流量，工作效率高。

More energy saving and environmental protection:

1. It adopts mechanical fuel injection engine that meets the national three emission, with strong power, energy saving and environmental protection, high reliability and excellent performance.
2. The key hydraulic components adopt the latest technical achievements, low energy consumption, fast response, precise control, small impact, and can maintain strong excavation ability and excellent work efficiency. The engine and hydraulic system power is perfectly matched to ensure that the engine works in the optimal fuel consumption area, improve fuel efficiency and save operating costs. The new hydraulic system provides sufficient flow for each work unit and high efficiency.

更高效回报：

1. 尾部回转半径采用无尾式设计，保证在狭窄的工况下作业不用担心尾部碰到障碍物。工作装置可偏转，左右偏转角度分别为 60 和 50 度，可与上车回转实现复合操作，通过与上车的回转配合，可在狭小的空间内实现平行于墙面的挖掘。
2. 底盘具有伸缩功能，可提高整车的通过能力。
3. 新型彩色大屏液晶监控器，更符合人机工程学要求，仪表信息显示齐全，自动控制功能更多、智能诊断故障原因，有效缩短排除故障时间。

More efficient return:

1. The tail slewing radius adopts a tailless design to ensure that the operation under narrow working conditions does not require the tail to encounter obstacles. The working device can be deflected, and the left and right deflection angles are 60 and 50 degrees respectively, which can be combined with the turning of the upper vehicle. By cooperating with the turning of the upper vehicle, the excavation parallel to the wall surface can be realized in a small space.

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2. The chassis has a telescopic function, which can improve the passing ability of the whole vehicle.
3. The new color large-screen LCD monitor is more in line with the ergonomics requirements, the instrument information display is complete, the automatic control function is more, the intelligent diagnosis of the cause of the fault, and the troubleshooting time is effectively shortened.

更可靠耐用:

1. 驾驶室采用满足安全标准的四点支撑驾驶棚,在保证驾驶棚强度的同时提升驾驶员的视野,座椅标配安全带,提高了驾驶员更高的作业安全性。
2. 对动臂、斗杆应力大的部位进行了局部强化,同时调整结构,分散应力,提高使用寿命。
3. 动臂内置工作管路和线束,更好的防护工作管路和线束,提高使用寿命。
4. 优化的下车架结构,与箱式结构推土铲,,更加坚固、耐用。

More reliable and durable:

1. The cab adopts a four-point support cockpit that meets safety standards, which enhances the driver's vision while ensuring the strength of the cockpit. The seat comes standard with seat belts, which improves the driver's higher operational safety.
2. Locally strengthen the parts with high stress on the boom and the stick, adjust the structure, disperse the stress, and improve the service life.
3. The built-in working pipeline and wiring harness of the boom can better protect the working pipeline and wiring harness and improve the service life.
4. Optimized lower frame structure, and box structure dozer blade, more sturdy and durable.

更舒适安全:

1. 全新设计手托、杯托等,最大程度的提高了操作的舒适性和便捷性。
2. 全新设计可翻转式扶手箱,有效增大通道尺寸。

More comfortable and safe:

1. Newly designed hand rest, cup holder, etc., to maximize the comfort and convenience of operation.
2. Newly designed reversible armrest box to effectively increase the channel size.

更便捷的维护保养:

1. 左后机罩和后机罩打开后,柴油滤清器、机油滤清器、油水分离器和空气滤清器检查与保养触手可及;机油、启动电机、电瓶和副水箱检查和加注极其方便。
2. 无需拆卸机罩,就可以通过布置在转台底部的防冻液放水口、机油放油口、液压油放油口、柴油放油口轻松实现放油放水。

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3.电源总开关布置在脚踏底板下防，更容易操作。

More convenient maintenance:

1. After the left rear hood and the rear hood are opened, the diesel filter, oil filter, oil water separator and air filter are inspected and maintained at your fingertips; oil, starter motor, battery and auxiliary tank check and add The note is extremely convenient.
2. It is easy to realize oil discharge and release by means of antifreeze water discharge port, oil oil discharge port, hydraulic oil drain port and diesel oil drain port arranged at the bottom of the turntable without disassembling the hood.
3. The main power switch is arranged under the footboard and is easier to operate.

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