



XE160W 轮式挖掘机技术规格书

(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

XE160W Wheeled Excavator Technical Specification

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

徐工集团挖掘机械事业部

XCMG EXCAVATOR MACHINERY BUSINESS DEPARTMENT

XE160W 轮式液压挖掘机技术规格

XE160W Wheeled Excavator Technical Specification

型号 Model		单位 Unit	XE160W	
操作重量 Operating weight		Kg	15500	
铲斗容量 Bucket capacity		m ³	0.58	
发动机 Engine	型号 Model		/ CUMMINS QSB4.5	
	型式 Type	直喷 Direct injection	/	√
		4冲程 Four strokes	/	√
		水冷 Water cooling	/	√
		涡轮增压 Turbo-charging	/	√
		空气中冷 Air to air intercooler	/	√
	缸数 No. of cylinders		/	4
	额定功率/转速 Rated power/speed		kw/rpm	104/2000
	最大扭矩/转速 Maximum torque/speed		N.m	620/1500
排量 Displacement		L	4.5	
主要性能 Main performance	行驶速度(高/低/缓行) Travel speed (H/L/Creep)		km/h 35/8/3	
	回转速度 Swing speed		r/min 10	
	爬坡能力 Gradeability		° ≤35	
	接地比压 Ground pressure		kPa /	
	铲斗挖掘力 Bucket digging force		kN 103.5	
	斗杆挖掘力 Arm digging force		kN 76	
	最大牵引力 Maximum tractive force		kN 96.8	
液压系统 Hydraulic system	主泵 Main pump		/ /	
	主泵额定流量 Rated flow of main pump		L/min 270	
	主安全阀压力 Main safety valve pressure		bar 340	
	行走系统压力 Travel system pressure		bar 370	
	回转系统压力 Swing system pressure		bar 280	
	先导系统压力 Pilot system pressure		bar 32	
油类容量 Oil Capacity	燃油箱容量 Fuel tank capacity		L 250	
	液压油箱容量 Hydraulic tank capacity		L 130	
	发动机油容量 Engine oil capacity		L 11	
外形尺寸 Appearance size	A	总长 Overall length	mm 8750	
	B	总宽 Overall width	mm 2495	
	C	总高 Overall height	mm 3180	
	D	配重离地间隙 Counterweight clearance	mm 1247.5	
	E	最低离地间隙 Min. ground clearance	mm 479	
	F	尾部回转半径 Min. tail swing radius	mm 2310	

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	G	轴距 Wheel base	mm	2800
	H	胎面宽度 Tread width	mm	1920
	I	转台宽度 Width of platform	mm	2490
	J	前桥到回转中心距离 The distance from front axle to the rotary center	mm	1700
	K	发动机罩高度 Hood height	mm	2493.5
作业范围 Working range	A	最大挖掘半径 Max. digging radius	mm	8296
	B	地面最大挖掘半径 Max. reach at ground level	mm	8050
	C	最大挖掘高度 Max. digging height	mm	9150
	D	最大卸载高度 Max. dumping height	mm	6684
	E	最大挖掘深度 Max. digging depth	mm	5040
	F	8 英尺水平面挖掘深度 Maximum depth cut for 2240mm(8 ft) level bottom	mm	4825
工作装置 Equipment	G	最大垂直挖掘深度 Max. vertical wall digging depth	mm	4448
	标配 Standard	动臂长度 Length of boom	mm	4988
		斗杆长度 Length of arm	mm	2100
		铲斗斗容 Bucket capacity	m ³	0.58
	选配 Optional	动臂长度 Length of boom	m ³	/
		斗杆长度 Length of arm	m ³	2500
		铲斗斗容 Bucket capacity	m ³	0.24~0.76

XE160W 轮式挖掘机主要部件配置表
XE160W Wheeled Excavator Main Parts Lists

序号 No.	项目 Item	内容 Detail	
1	发动机 Engine	制造商 Manufacturer	康明斯 Cummins
		产地 Origin	英国 Britain
2	主泵 Main Pump	制造商 Manufacturer	林德 Linde
		产地 Origin	德国 Germany
3	主阀 Main Valve	制造商 Manufacturer	林德 Linde
		产地 Origin	德国 Germany
4	回转马达 Swing Motor	制造商 Manufacturer	波克兰 Poclain
		产地 Origin	法国 France
5	行走马达 Travel Motor	制造商 Manufacturer	林德 Linde

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		产地 Origin	德国 Germany
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XE160W 轮式挖掘机亮点介绍

XE160W Wheeled Excavator Highlights

XE160W 轮式液压挖掘机可应对各类工况。产品具有出色的稳定性、高机动性，足以应对多种工作环境。产品外形尺寸符合道路法规及运输要求。产品通过应用一系列行业先进技术、设计众多实用功能，保障客户的综合收益和最低的使用成本。

XE160W wheeled hydraulic excavator can handle all kinds of working conditions. The product has excellent stability and high mobility, which can meet the requirements for a variety of working environments. The product dimensions conform to road regulations and transportation requirements. Through the application of a series of industry-leading technologies and design of many practical functions, the comprehensive income and lowest use cost of customers will be guaranteed.

产品采用符合欧洲环保要求的高效直喷发动机，动力输出平稳，反应灵敏，噪声辐射低，更适宜在城市环境中施工；采用新一代高效片式阀，提升了溢流压力，工作能力更突出，且满足多种功能需求；优异的功率匹配技术配合电控主泵，使产品更节油。

The product adopts high-efficiency direct injection engine that meets European environmental protection requirements. It has stable power output, sensitive response and low noise radiation. It is more suitable for construction in urban environment. By use of new generation high-efficiency chip valves, it will increase overflow pressure. So it has better working capability and can meet a diversity of function requirements. Excellent power matching technology with electronically controlled main pump to make the product more fuel efficient.

产品标配多功能机具系统，可实现挖掘、破碎、抓取、剪切等不同作业需求；标配双节动臂，进一步加强产品环境适应性；配置机具快换系统，采用扭矩控制回转，使机器能够精准定位，机具更换更简捷。车辆前进、空档、倒档及高/低速档位于右侧操纵杆，符合道路设备操纵习惯，并具备 CCS 定速巡航功能和缓行功能；三种状态的前桥摆动控制模式（开/关/自动），可根据工况提供更佳的行驶性能；高品质的变速箱和重型车桥保证传动系统更适合轮式挖掘机复杂环境的应用；采用轮边制动系统，使得机器制动更有效。

The product comes standard with multi-function machine system, which can realize different operations such as excavating, crushing, grabbing and cutting. Standard double-section boom will further enhance product environmental adaptability. Equipped with quick change system and with rotation controlled by torque, the machine will accurately position and the attachment will be replaced more easily. The machine's forward, neutral, reverse and high/low gears are located on the

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right joystick side, which is in line with the operation habits of road equipment, and has CCS cruise control and slowdown functions. Three-stage front axle swing control mode (on/off/auto) can provide better driving performance in terms of operating conditions. High-quality gearboxes and heavy-duty axles ensure that the drive system is more suitable for the application of wheeled excavators in complex environments. Wheel brake system makes machine braking more efficient.

高度专业化的设计和分析工具，结合台架实验，以确保我们的机器坚固耐用。产品的材料和结构强度、韧性均在最极端的条件下经过严格测试。刚性的机器人焊接结构保证产品的优良耐久性。配重和推土铲、支腿这样的稳定性部件，均经过严格的计算和试验测试，以确保机器耐用性和稳定性。

Highly specialized design and analysis tools are combined with bench tests to ensure that our machines are sturdy and durable. The material and structural strength and toughness of the product are rigorously tested under the most extreme conditions. Rigid robot welded structure ensures excellent durability of the product. Counterweights and stability components such as dozer blades and outriggers are rigorously calculated and tested to ensure machine's durability and stability.

先进的符合 ROPS 认证的驾驶室可确保操作者的安全；标配后影像系统、右侧影像系统，消除操作者视线盲区，保证施工安全；各类工作灯、后视镜为安全工作提供进一步保障。驾驶室内隔音降噪设计、宽敞的内部空间、可调节的悬浮座椅、强劲的空调系统、精细布置的操控开关、多功能 LCD 监视器、多个方便实用的储物盒等为你带来舒适的操作感受。同时产品配置集中润滑系统和柴油电动加油泵，使维护保养更加方便。

Advanced ROPS-certified cab ensures operator's safety. Standard rear image system and right image system eliminate operator blind spots and ensure construction safety. Various work lights and rearview mirrors provide further protection for safe work. Comfortable interior noise reduction, spacious interior, adjustable suspension seats, powerful air conditioning system, finely arranged control switches, multi-function LCD monitor, and convenient and practical storage boxes for comfort operational experience. At the same time, the product is equipped with a centralized lubrication system and a diesel electric refueling pump to make maintenance more convenient.

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