

HNE80W-EL Electric Wheel Excavator 电动轮式挖掘机

HNE80W-EL 电动轮式挖掘机是一种土石方施工设备，适用于矿山、基建、道路、水电、林业、港口、货场、国防等工程进行挖掘、装卸。配置附属装置后，还可进行碎石、拆卸、抓木、抓钢，兼具有推土、装载的功能，是一种多用途、高效率的工程机械。纯电挖掘机一改发动机、柴油作为主要动力来源的传统型式，采用电动机、锂电池作为主要动力来源，“零排放、零污染、低噪声、低能耗”，实现国家节能减排的环保要求。

HNE80W-EL electric wheel excavator is a earthmoving machinery,suitable for excavating , loading and unloading in mining, construction, road, hydroelectric project,forestry,port,yard,national defense etc.

With attachments it can crash stone,disassemble,grab woods and steers, also has the functions of bulldozer and loader.It is a multi-function, high-efficiency construction machine.

HNE80W-EL electric wheel excavator change the tradition way of using diesel engine power into electric motor and lithium battery as power source," Zero emissions, zero pollution, low noise, low energy consumption" ,meet the requirement of energy conservation.

主要应用: main application:

电动轮式挖掘机是一种多用途施工机械，主要进行挖掘、装载，还可进行土地平整、修坡、吊装、破碎、拆迁、开沟等作业，在公路、铁路、桥梁、城市建设、机场港口及水利施工中有广泛应用；挖掘机兼有推土机、装载机、起重机等的功能，能代替这些设备工作，在市政建设、管线施工、城市改造作业、园林绿化、乡村公路修整、农田水利改造、鱼塘沟渠、房屋地基挖掘等新农村建设中大展身手，还能作起吊、破碎、推土、夹木叉、小型土石方工程等特殊工况作业。

Electric wheel excavator is multi-functional machine,the main purpose is excavating and loading,in the meantime it can repair slope,handling,breaking,destruction,ditching,widly used in road,railway,bridge,urban construction,airport,port,hydraulic construction;Excavator has the functions of a bulldozer, a loader, a crane,can replace these machines in some working condition:municipal construction, pipeline construction, urban renovation operations, landscaping, country road repair,new rural construction such as farmland water conservancy reconstruction, fish pond ditches, and house foundation excavation.And also it can work for handling,breaking,bulldozing,clamping.

产品描述 product description:

- 1、挖掘机是工程机械一款重要的产品，其由旋转平台、行走装置、工作装置、动力、液压、电控、制动等系统组成。Excavator is an important product of engineering machinery. It consists of rotating platform, walking device, working device, power, hydraulic, electric control, braking and other systems.
- 2、采用海迈电机匹配宁德时代锂电池，节能环保，动力系统得到最大优化，满足高效作业要求。Use Haimai generator and CATL lithium battery, energy saving and environmental protection, the power system is optimized to meet the requirements of efficient operation
- 3、采用静压传动技术，具有良好的自动适应性和操纵性能；液压泵、主阀、回转马达、中央回转接头、液压油缸、先导操纵阀均采用国内知名品牌。The static pressure transmission technology has good automatic adaptability and maneuverability; the hydraulic pump, main valve, swing motor, central rotary joint, hydraulic cylinder and pilot operated valve are all domestic famous brands.
- 4、液压系统加装回油散热器和背压防护装置，确保整机热平衡。The hydraulic system is equipped with a return radiator and back pressure protection to ensure the heat balance of the whole machine.
- 5、防护等级 IP67，电机八年质保，电池深度充放电次数 4000 次以上，具备高可靠性、使用寿命长。Protection grade IP67, motor eight-year warranty, battery deep charge and discharge times can last more than 4,000 times, with high reliability and long service life
- 6、强化回转平台和底盘车架结构，可抵抗外部强烈冲击。The slewing platform and chassis frame structure are

strengthened to resist external strong impact

7、动臂、斗杆采用大截面、高强度的箱型结构，满足重载作业的要求。The boom and the stick adopt a large-section, high-strength box structure to meet the requirements of heavy-duty operations

8、采用国内知名桥箱，两档行走减速系统，四轮全液压驱动，轻松应对各种工作路况。It adopts well-known domestic axle gearbox, two-speed travel deceleration system, four-wheel full hydraulic drive, and it can easily cope with various working road conditions

9、采用鼓式制动，双制动泵，作业和行走更安全可靠。Drum brake, double brake pump, safer and more reliable operation and walking

10、双油缸避振控制，在作业和行走中保持稳定状态。Double cylinder anti-vibration control, stable when operation and walking

11、电子油门控制系统：油门手动调节大小，根据不同需求，可在重载、标准、轻载工况下工作。Electronic throttle control system: The throttle is manually adjusted according to different requirements, and can work under heavy load, standard and light load conditions

12、电子监控系统：多功能液晶监控器超大屏幕，全面监控挖掘机的工作状态（油压、气压、水温等）。Electronic monitoring system: The multi-function LCD monitor has a large screen to fully monitor the working state of the excavator (oil pressure, air pressure, water temperature, etc.)

13、驾乘空间安全舒适，大功率绿色空调系统，全方位可调悬浮座椅，通过落物、倾翻保护和翻滚保护安全标准。 The cab is safe and comfortable, the high-power green air-conditioning system, the all-round adjustable suspension seat, and the safety standard through falling objects, tipping protection and rollover protection.

14、采用国内优质电器元件，宁德时代锂电池，电线采用抗阻燃材料，工作可靠耐用。 Use domestic high-quality electrical components, the lithium battery of Ningde era, the wire is made of anti-flame retardant material, and the work is reliable and durable

15、整机造形大气、优美、流畅；豪华宽视野驾驶室，配带天窗，无噪音，密封性好，便于驾驶员四周观察。 The whole machine is beautiful and smooth; the luxurious wide-view cab with sunroof, no noise, good sealing, easy for the driver to observe around

性能参数

性能		参数	
基本参数	整机工作质量, kg	Operating weight, kg	≤8500
	轴距, mm	Wheelbase, mm	2450

	轮距, mm	Wheel tread, mm	1650
	最小离地间隙, mm	Min.Ground clearance, mm	290
	整机长度, mm	Overall length, mm	6230
	整机最大高度, mm	Overall height, mm	2910
	整机最大宽度, mm	Overall width, mm	2130
	驾驶室高度, mm	Cab height, mm	2898
	斗容量, m ³	Bucket capacity, m ³	0.1-0.28
	最大爬坡能力, %	Max.Gradeability, %	≥30%
	最大行驶速度, Km/h	Max.drivig speed, Km/h	28
	转向角度, °	Turning raidus, °	28° ±1.5°
	系统工作压力, MPa	System working pressure, MPa	28
	回转速度, r/min	Rotating speed, r/min	11.5
	最大挖掘力, KN	Max.digging force, KN	50
系统容量	液压油箱容量, L	Fuel tank capacity, L	200
	电池容量, kW.h	Battery capacity, kW.h	109

电机参数	型号	Model	HP12517-G202W-R4U4
	额定功率, kW	Rated power, kW	46.5
	峰值功率, kW	Max. power, kW	75
	峰值扭矩, Nm/持续时间 (s)	Max. torque, Nm/lasting time(s)	400/20
	最高转速, r/min	Max. Rotating speed	3000
	额定转速, r/min	Rated rotating speed	2000
液压系统	压力, MPa	Pressure, MPa	26
	流量, L/min	Flow, L/min	160
转向系统	转向器型式	Steering gear type	负荷传感全液压转向 Load sensing full hydraulic steering
	压力, MPa	Pressure, MPa	16
制动方式	行车制动	Service brake	鼓式制动 Drum brake
	制动气压, MPa	Brake pressure, MPa	0.684-0.785
	停车制动	Parking brake	气推油鼓式制动 Pneumatic oil drum brake
标准轮胎 (可充)	(前/后) 车轮数	(front/rear) numbers of wheel	4/4

气)	(前/后) 轮胎尺寸	(front/rear) tyre size	8.25-16
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HNE80W-EL 电动轮式挖掘机作业范围图

A	最大挖掘半径	Max. Digging Reach	6720 (mm)
B	最大挖掘深度	Max. Digging Depth	3930 (mm)
C	最大挖掘高度	Max. Digging Height	6040 (mm)
D	最大卸载高度	Max. Dumping Height	4840 (mm)
E	地面最大挖掘半径	Max. Digging Reach on the Ground	6610 (mm)

