



HNE80C-EP

Excavator Powered by Grid Electricity



SOCMA Grid powered Excavator handed over to Aluminum Plant of WEIQIAO group

Cusomised made for



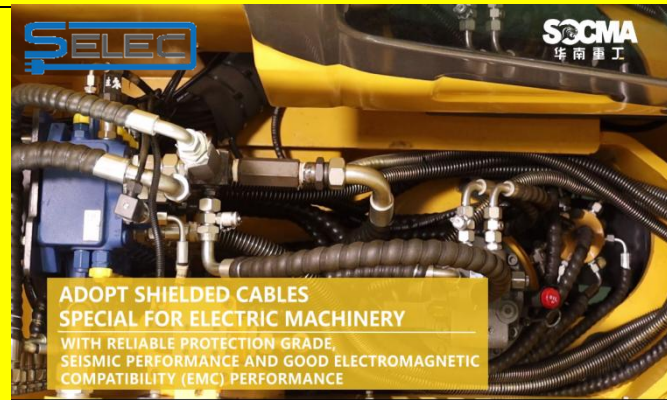
As we take high safety as foundation and priority on engineering of Electric Construction Machine, SOCMA HNE80C-EP adopts the self-developed electronic control system, which provides all-round real-time fault diagnosis and protection for the electrical system and hydraulic system. It also integrates the functions of pre-charge protection, insulation fault monitoring and high-voltage interlock, etc. 整车的高安全性是电动工程机械存在的前提和基础。华南重工电网供电履带挖掘机 HNE80C-EP 采用自主研发电控系统，对电气系统和液压系统进行全方位的实时故障诊断和保护，集成预充保护、绝缘故障监测、高压互锁等功能；采用高抗震性能的高压零部件（包括电机控制器、电机、DCDC，高压电空调等）以及新能源专用屏蔽电缆，具备可靠的防护等级、抗震性能以及良好的电磁兼容（EMC）性能；华南重工将电动工程机械安全性提升到一个新高度。



Electricity transmitted by cable



https://www.youtube.com/watch?v=L_Yj0ERto7



Adopt high-voltage parts with high seismic performance (including motor controller, motor, DCDC, high-voltage air conditioner, etc.) and special shielded cables for new energy, with reliable protection grade, seismic performance and good electromagnetic compatibility (EMC) performance; SOCMA elevate the safety level of electric construction machinery to a new record. 整机性能以及可靠性大幅度提升。采用变转速和变排量双变负载敏感系统，最大驱动力增大 20% 以上，整机能耗降低 30% 以上，作业效率提升 20%；The performance and reliability of the whole machine are greatly improved. The maximum driving force is increased by more than 20%, the energy consumption of the whole machine is reduced by more than 30%, and the working efficiency is increased by 20%.

低噪声，零排放，零污染。

✧ 电网供电，消除用户续航焦虑；

It has benefit features of low noise, zero emission, zero pollution.

The power supplying from the external grid electricity that rest assure user to use it with no worry of continuous long hours operation.

The energy consumption of the whole machine has been greatly reduced. Smart heat dissipation

system is adopted to automatically adjust heat dissipation power according to real-time temperature to realize more accurate energy consumption control.

整机维护成本大幅度下降。高压电气系统免维护，不需要定期保养，节省维护成本；

对大中小微挖掘机进行电动全覆盖。吨位覆盖 1.5T-36T 范围 The maintenance cost of the whole machine has been greatly reduced. The high voltage electrical system is free of periodic maintenance, thus saving maintenance cost;

◆ **SOCMA electric excavator produces full capacity from small, medium and micro, range from 1.5T to 36T .**



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