

ELECTRIC EXCAVATOR



NE80

NEW ENERGY ASIA PACIFIC CO., LTD.

**“ We’re Changing the Way
the World Thinks About
Machinery “**

New Energy Asia Pacific Co., Ltd

as part of the effort to make construction more sustainable, we are rolling out all-electric versions of traditional construction vehicles. Electric construction equipment isn't a new concept. Hybrid electric machines have been available for years, and all-electric models of excavators, loaders, dump truck and other heavy machinery are currently available over the world. In coming years, electric heavy machinery will join the ranks of electric cars and public transportation as an eco-friendly alternative, it will be the push for sustainable construction practices intensifie.

NE80 ELECTRIC EXCAVATOR

Equipped with a Robust Performance, High-efficiency Electric Motor



- Low noise compared to diesel-powered engines
- Carbon-free, environmentally-friendly power source
- Haimai Generator and CATL lithium battery, energy saving and the power system is optimized to meet the requirements of efficient operation

Reduces Operating Costs, High Safety



- adopts AC/DC dual-mode charging, which can directly supply power to the mains, realize diversification of the work site, improve endurance and save operating costs
- 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.
- The hydraulic system is equipped with a return radiator and back pressure protection to ensure the heat balance of the whole machine
- 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

Customized Power Supply Solutions

- Adopt grid and lithium battery composite power supply technology. It can be powered directly by cables or lithium batteries. Solve the problem that crawler excavator is not flexible in moving.



Cable Power Supply



Lithium Battery Power Supply

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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.

The boom and the stick adopt a large-section, high-strength box structure to meet the requirements of heavy-duty operations.

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

The luxurious wide-view cab with sunroof, no noise, good sealing, easy for the driver to observe around.

The Electronic throttle control system is manually adjusted according to different requirements, and can work under heavy load, standard and light load conditions.

The slewing platform and chassis frame structure are strengthened to resist external strong impact. Extended life by more than 30%



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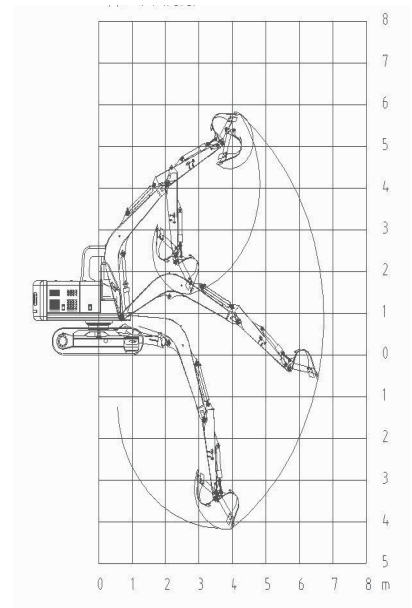
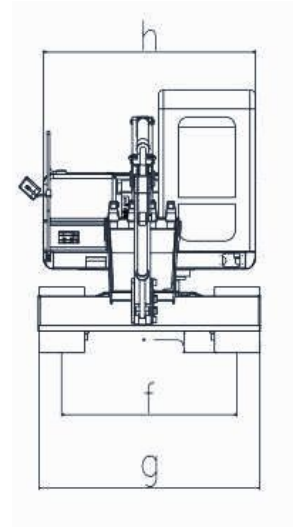
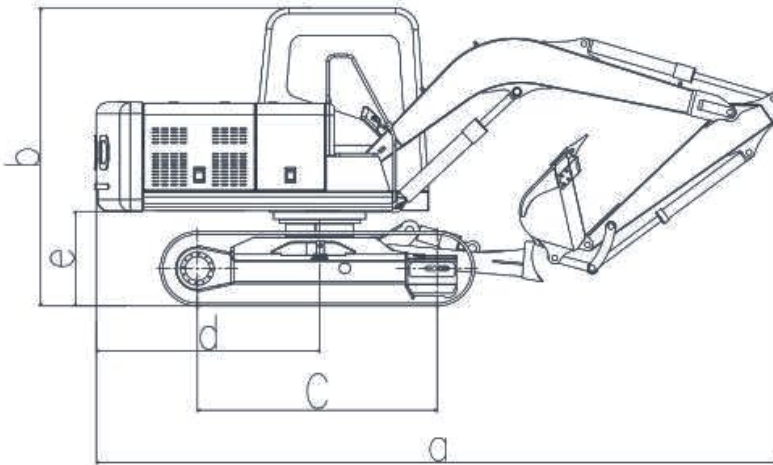
Performance

| Model | | NE80 | |
|------------------|----------------------------|----------------|--------------------|
| Basic Parameter | Operating mass | kg | ≤8500 |
| | Track Gauge | mm | 1750 |
| | Crawler wheelbase | mm | 2142 |
| | Turning radius | mm | 1965 |
| | Min.Ground clearance | mm | 380 |
| | Overall length | mm | 5970 |
| | Overall height | mm | 2600 |
| | Overall width | mm | 2190 |
| | Width of Upper Structure | mm | 2100 |
| | Cab height | mm | 2600 |
| | Bucket capacity | m ³ | 0.1-0.28 |
| | Max.Gradeability | % | 350 |
| | Standard track width | mm | 450 |
| | Max.driving speed | Km/h | 3.8/2.5 |
| | Max.Gradeability | % | ≥70%(35°) |
| | System working pressure | Mpa | 28 |
| | Rotating speed | r/min | 11.5 |
| | Max.digging force | KN | 50 |
| System Capacity | Fuel tank capacity | L | 200 |
| | Battery capacity | kW.h | 109.3 |
| Electric Motor | Model | | HP12517-G202W-R4U4 |
| | Rated power | kW | 46.5 |
| | Max.power | kW | 75 |
| | Max.torque, Nm/a stng time | Nm/s | 400/20 |
| | Max.Rotating speed | rpm | 3000 |
| | Rated rotating speed | rpm | 2000 |
| Hydraulic System | Pressure | MPa | 28 |
| | Flow | L/min | 160 |
| DC/DC Parameters | Input voltage | V | DC540 |
| | Output voltage | V | DC27 |
| | Power | KW | 3 |

Note: Due to technological improvements, the above data are subject to change without prior notice.

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Dimensions



| | | | |
|----------|---|----|-------|
| | Boom | mm | 3,500 |
| | Arm | mm | 1,900 |
| a | Overall Length | mm | 5,970 |
| b | Overall Height | mm | 2,600 |
| c | Tumblers Distance | mm | 2,110 |
| d | Radius of Swing Center to Rear End | mm | 1,965 |
| e | Counterweight Clearance | mm | 825 |
| f | Track Gauge | mm | 1,740 |
| g | Overall Width | mm | 2,190 |
| h | Upper Structure Width | mm | 2,100 |
| i | Track Width | mm | 450 |
| j | Ground Clearance | mm | 380 |
| | Max. Digging Reach | mm | 6,710 |
| | Max. Digging Depth | mm | 4,190 |
| | Max. Digging Height | mm | 5,780 |
| | Max. Dumping Height | mm | 4,580 |
| | Max. Turning Radius | mm | 6,655 |

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