

VALUE THAT WORKS

GROUP PRODUCTS



This Manual: The specification is subject to change without advance notice. Images may include optional configurations. The actual color and appearance of the product may differ from what is shown in the images.



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DE26-X3

**BATTERY ELECTRIC
CRAWLER BULLDOZER**



Operating Weight	27350kg
Vehicle-mounted Energy	453kW·h
Specific pressure to ground	64.7kPa

Value that works

DE26-X3

BATTERY ELECTRIC BULLDOZER



COMPLETELY UPGRADED EVEN MORE OUTSTANDING

- MORE DURABLE** The Group's power battery has its battery capacity increased to 453kWh, and RPC extended to 4h.
- MORE RELIABLE** The well-known battery, motor and electric control system in the industry ensures more reliable quality.
- MORE EFFICIENT** The whole machine has fast power output, strong explosive force, and high operational efficiency.

GREEN, ENERGY-SAVING POWERFUL SAFE & INTELLIGENT

- All-Electric Drive for Eco-Friendly and Cost-Efficient Performance. The use cost of whole machine is 60% lower than that of fuel-powered models.
- The wheel-side direct-drive transmission system ensures rapid power response and exceptional surge performance. The machine maintains robust power at high speeds, with a 10% boost in overall operational efficiency.
- The high-voltage system features three-stage safety protection to ensure safe operation. The intelligent temperature control system provides efficient cooling for the power battery, motor, and controller.

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BATTERY ELECTRIC BULLDOZER

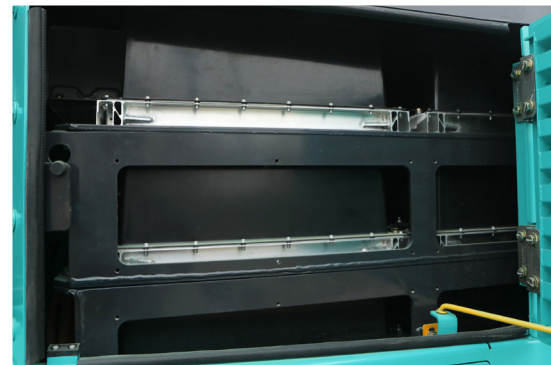
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POWER BATTERY SYSTEM

- Equipped with a large-capacity lithium iron phosphate power battery, the vehicle's total energy reaches 453kW-h. The dual-gun fast charging mode allows full charging in 1.5h, which can meet the needs of heavy-duty working conditions for 3-4h and medium/light duty working conditions for 4-5h.



INTELLIGENT TEMPERATURE CONTROL SYSTEM

- The power battery thermal management system (BTMS) and intelligent temperature control system enable efficient cooling of the power battery, motor, and motor controller.
- The radiator adopts an integrated modular design for easy maintenance.



TRANSMISSION SYSTEM

- The whole machine is provided with a wheel-side direct-drive transmission system, and applies load adaptive technology. This enables on-load steering, pivot steering, and stepless speed regulation to achieve flexible and efficient operation.
- It features quick power output response and strong explosive force, and can continuously output constant traction at high speeds, with strong power. The transmission efficiency is increased by over 20%, and the overall operational efficiency is improved by over 10%.
- The whole machine is equipped with three power modes, which can be selected according to the actual load requirements under various working conditions to achieve a reasonable match of power, efficiency, and energy consumption.



ADAPTABILITY TO WORKING CONDITIONS

- With the advantages of low noise, and zero emissions, it is suitable for working conditions such as enclosed spaces, coal yards, and power plants.
- The chassis system features long grounding length, large ground clearance, stable travel, and good passability.
- Based on specific working conditions, it can be provided with semi-U blade and rock blade. Equipped with brighter LED corking lamps as standard configuration, it enhances lighting capabilities for night construction, making it safer and more reliable.



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BATTERY ELECTRIC BULLDOZER

GREEN, ENERGY-SAVING, POWERFUL, SAFE AND INTELLIGENT

- ▶ The travel control joystick features an electric single-joystick design, offering flexible, effortless, and comfortable operation. The highly-sealed cab has a noise level as low as 73dB near driver's ear, which greatly improves driving comfort.
- ▶ The structure of whole machine is simple, featuring modular design and easy maintenance.

ELECTRICAL SYSTEM

- With 7-inch high-definition display, the vehicle data information is displayed clearly and distinctly.
- The core electric and hydraulic parts feature stable quality and high reliability.



CONTROL SYSTEM

- The travel control joystick features an electric single-joystick design, offering flexible, effortless, and comfortable operation.
- The suspended single-pedal structure features a compact size, ample foot space, and comfortable control.



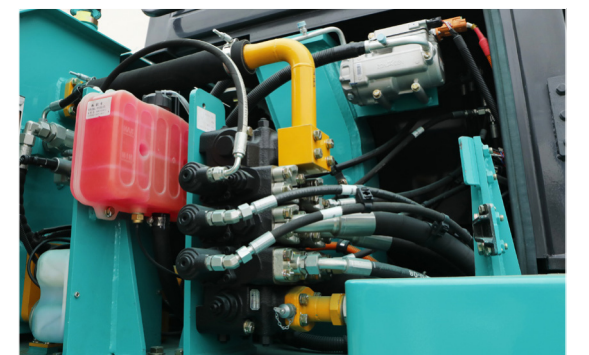
DRIVING SYSTEM

- The ergonomically-designed hexahedral integrated cab boasts spacious interior, excellent visibility, and tight sealing.
- Equipped with a highly-sealed cab, the noise level near driver's ear is less than 73dB, which greatly enhances driving comfort.
- The seat allows for a wide range of adjustments, and thus offers the driver with the most comfortable operating position.
- Equipped with dual-purpose air conditioning system, cigarette lighter, USB charging port, radio, sun blinds, fire extinguisher, and other standard accessories, it provides a more enriched and user-friendly driving experience, and ensures a comfortable and safe driving environment.
- The safety passage system of the machine guarantees the driver's safety.



EASY MAINTENANCES

- The machine adopts modular structure design, featuring simple structure, easy disassembling and assembling, handy repairs, low failure rate, and easy maintenances.



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BATTERY ELECTRIC BULLDOZER

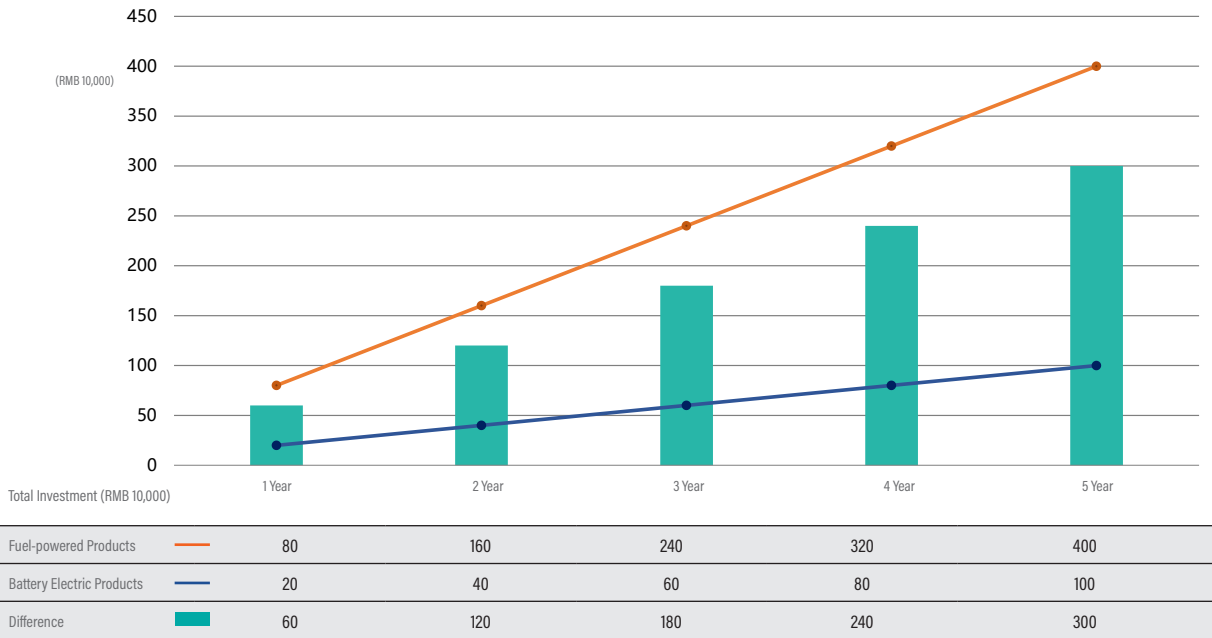
TECHNICAL PARAMETERS

DE26-X3	
Performance parameters	
Operating weight (kg)	27350
Minimum turning radius (mm)	4220
Specific pressure to ground (kPa)	64.7
Power Battery System	
Vehicle-mounted Energy (kW·h)	453
Overall dimensions	
Overall dimensions (mm)	6200×3845×3325
Travel Performance	
Speed at forward gear (km/h)	0 ~ 10
Speed at reverse gear (km/h)	0 ~ 10
Ground clearance (mm)	440
Chassis System	
Center distance of track (mm)	2200
Width of track shoe (mm)	610
Grounding length (mm)	3050
Number of Track Plates (Single Side/Piece)	41
Chain rail pitch (mm)	216
Number of Carrier Wheels (Per Side)	2
Quantity of thrust wheels (Per Side)	7
Fuel tank capacity	
Working hydraulic fuel tank (L)	148
Working device	
Blade type	Rock U-Blade
Blade width (mm)	3845
Blade height (mm)	1400
Lifting height of blade (mm)	1247
Digging depth(mm)	540

ECONOMIC BENEFITS

Economic Benefit Analysis on DE26-X3 Battery Electric Bulldozer		
Economic Benefits (Calculated Based on 3,000h/a)	Fuel-powered Bulldozer	Battery Electric Bulldozer
Unit Price of Energy Consumption (RMB/L; RMB/kWh)	7.5	0.7
Average Hourly Energy Consumption (L; kWh)	35	90
Unit Hour Cost (RMB/h)	262.5	63
Unit Hour Difference (RMB/h)	RMB 199.5/h	
Annual Workload (h)	3000	3000
Annual Cost (RMB)	787500	189000
Annual Savings of Battery Electric Bulldozer (RMB/a)	RMB 598,500/a	

The battery electric bulldozer can save about RMB 3 million (including maintenance costs) compared with the fuel-powered bulldozer in 5 years.



Remarks:
① The battery electric bulldozer can avoid or reduce production restrictions and stoppages imposed by environmental protection and emission requirements, which will bring huge indirect benefits.
② The unit prices of oil and electricity vary according to different regional markets or operating environments. The specific prices shall be subject to the actual situation.

SOCIAL BENEFITS

Environmental Benefits	Fuel-powered Bulldozer	Battery Electric Bulldozer
Annual Workload (h)	3000	3000
C02 Emission (ton)	276	0
Environmental Benefit of Battery Electric Bulldozer in Unit Price for Carbon Trading (RMB/t)	At a price of approximately RMB 50-60/t, it will increase the annual income by RMB 14,000.	

Note: The integrated electricity price is RMB 0.7/kWh. It is estimated on the basis that 2.63kg C02 will be released after 1L diesel is burned.

DE26-X3

BATTERY ELECTRIC BULLDOZER

SHANTUI PROVIDES FAST,
ACCURATE AND STABLE SERVICES



Long warranty for three electric products

Dedicated
service team
Work with
permit



Professional
operator
Training standards
and processes

Shantui e-Travel and Shantui Customer Center
Remote support service system

