

X Series Electric Tow Tractor

with capacities of 20,000 to 32,000kg

The World of Hangcha

SINCE 1956

HANGCHA

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ISO14001:2015

ISO9001:2015

HANGCHA trucks conform to the European Safety Requirements.

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Exterior

/ With a streamlined integral steel structure, a vivid stylish profile formed by a combination of large arcs and streamlined curved surfaces and a centered driving position, the vehicle is suitable for pushing operations.

Safety

/ An advanced AC control system—the high-frequency integrated IMOTION controller ensures stable and accurate driving, good performance of electronic control matching the motor, and with the functions of stable starting, regenerative braking, reverse braking and anti-sliding on ramps, etc., is energy-saving and is highly safe and reliable.
/ Electric vacuum assisted braking: the double-chamber and double-pipeline all-wheel braking systems with front and rear dynamic proportional partial pressure control performs safe, stable and reliable braking. The large-capacity vacuum cylinder designed can reliably assist braking (by pumping the pedal six times) to enable higher safety when the vehicle is not powered.
/ With the electrical main switch to perform emergency shut-off and ensure the safety of the vehicle.
/ The S-EPS (Electric Power Steering) synchronous steering system and the synchronous steering axle operate according to road conditions to ensure straight driving and safe and reliable steering.
/ Double safety hook operation: the pull rod is equipped with a safety device to prevent mis-operation of the pull rod, simple but reliable and highly safe.
/ The water resistance level of the vehicle is IPX5. Key parts (for electric control, etc.) are placed in the high position of the vehicle body to prevent road surface water from entering and ensure strong wading ability, safety and reliability.

Comfort

/ With the human-machine interaction system that consists of compact and reliable novel digital multifunctional instruments and a combination rocker switch, the operations of the vehicle can be shown clearly.
/ The entire cab (console) is fully suspended, with good sealing and less vibration, plus a suspended seat for great operating comfort.
/ The chassis elastic suspension technology and the long wheelbase design enable a great ride comfort.
/ The wide-view cab with an integral frame constituted by profiled steel pipes is flexibly connected to the body and has good sealing, sound insulation, vibration isolation and heat insulation, etc., so that the driver's comfort is improved. The large operating space and low boarding steps allow the operator to very easily get on and off the vehicle.
/ The forward and backward inclination angles of the hand wheel is adjustable and the seat can be adjusted by 150mm backwards and forwards, so that the operator can choose the best driving position.











Advancement

/ The AC power system provides strong power and has more precise speed regulation performance.
/ High-efficiency power system and high-performance lithium iron phosphate battery: the lithium battery is installed vertically. A standard 80.5V404A.h battery is provided for the standard configuration and a standard 80.5V4808A.h battery for the airport configuration. The battery can last for a long time.
/ The LED-screen have the functions of battery display, timer and fault self-diagnosis, without a handheld unit, maintenance and changing of the vehicle performance can be completed through the instruments. Faults are indicated in the form of a combination of codes and text, which are clearer and easier to read.
/ There are operating switches at the rear of the vehicle: front and rear jog switches and an emergency shut-off switch.
/ For the standard configuration, the vehicle is equipped with LED lights and integrated high-beam and low-beam headlights.
/ The electric parts of the vehicle are designed to be water-proof and forced air cooling is provided for electric control, where the functions of heat dissipation, ventilation, dust resistance and water resistance.





Environmental protection

/ Silence, no pollution, energy saving and other advantages meet environmental protection requirements.
/ Asbestos-free materials are used for the vehicle.

Maintainability

/ The electric components such as the electric controller, contactor, instruments and accelerator light are all of internationally-renowned brands and have high reliability.
/ An AC power system is used for driving and steering, and the motor is maintenance-free motor so that the maintenance cost of replacing the carbon brush light is reduced.
/ The wide-opened front hood, the easy-to-dismount electric controller hood plate, etc. make maintenance and commissioning very convenient.
/ The easy-to-dismount electric controller hood plate and the rear hood plate make the maintenance and commissioning of drive and electric control very convenient.

Standard Specification

/ LED headlights (high-beam and low-beam)
/ Turn signal lights
/ Combination real LED operating light
/ Multi-function instrument cluster
/ Electric horn
/ Reverse buzzer
/ Ceiling light
/ USB interface
/ Boarding handle
/ Steering wheel adjusting device
/ Standard seat
/ Front wiper
/ Standard lithium battery
/ Reflective mirror
/ Jog switch
/ Large integral rubber pedal pads
/ High-power AC drive system
/ Electric power–assisted synchronous steering system
/ Vacuum assisted hydraulic braking
/ Fully enclosed cab
/ Sunshade
/ Standard traction pin

Options

/ Semi-enclosed cab
/ Heater
/ Suspended seat
/ OPS
/ Traction pin height scheme
/ Rear platform rail
/ No cab
/ Lithium iron phosphate battery 404-542-808
/ Turning deceleration
/ Reversing video
/ Air conditioner
/ Battery charger
/ Fire extinguisher
/ Speed limit
/ Monitoring equipment