星航★STAR

XHD15T | MINI WHEEL ELECTRIC LOADER







AXLE

Heavy-duty axle

• The overload-bearing capacity is strong, capable of withstanding the impact load of the entire machine's operation. The bridge body is unlikely to deform.

• Four-wheel drive axle, the front and rear wheels output power synchronously.



CONTROL HANDLE

ADVANCED ELECTRONIC CONTROL SYSTEM

• Operators can precisely control the lifting and rotation of the bucket as well as the speed of the vehicle through joysticks or buttons.

• Improving the accuracy and fficiency of the operation and reducing material leakage and waste.



STEERING WHEEL

ERGONOMIC GRIP

• On the left side of the steering wheel, there is a steering wheel control knob. During operation, the other hand can operate the joystick to achieve steering with one hand.

• Ergonomic steering wheel, with a comfortable grip and durable material.



MINI ELECTRIC WHEEL LOADER

LIQUID CRYSTAL INSTRUMENT PANEL

·This vehicle communicates with the digital dashboard via the CAN bus, and can display real-time and accurate information such as voltage, battery capacity, driving speed and fuel pump rotation speed.

XHD15



FLEXIBLE BODY





WIDE RANGE OF OPERATIONS

▶Anti-slip pattern pedal

• The diamond-patterned steel plate steps increase friction and are less prone to slipping; the two-level stepped design makes it convenient for operators to easily enter and exit the cab.

▶Transmission system

• This framework adopts a lightweight hinged structure and shaft transmission design, featuring powerful power, a small steering angle and turning radius, excellent passage capacity, and flexible operability.

▲COMPACT BODY

This compact body design has a width of only 1850mm, making it highly suitable for operations in confined spaces, such as narrow alleys, indoor buildings, feeding areas of livestock farms, and shopping centers. In these places, the electric control is lightweight and sensitive, and it is effortless to repeatedly move and change directions.

▲MOTOR HOUSING

The side-opening design makes maintenance effortless; daily maintenance tasks have become extremely simple. It can be opened upwards, making the inspection and maintenance of these components easier and more convenient.







FEATURES AND FUNCTIONS



KEY FEATURES



▶Built-in vehicle-mounted fan to enhance comfort during summer operations, energy-efficient and durable: Engineering-grade 24V DC fan with low power consumption, metal mesh structure is sturdy and resistant to bumps.
▶Comfortable seats, designed with ergonomics in mind, reduce fatigue caused by prolonged.





▶Porous solid tire, with thickened large-scale cross-country pattern, has a much longer service life than ordinary pneumatic tires.
▶The large-opening side door structure allows the side guard plate to be fully opened. Maintenance and repair will be more convenient.



PRECISE HINGE PIN SHAFT STRUCTURE

• Thickened and high-strength welded boom, with strong load-bearing capacity.
• High lifting force and stable movement.



LED LIGHT

• Standard equipped with LED headlights, low-temperature resistant and shockproof.





FULL SUSPENSION VEHICLE AXLE

The axle is designed with full suspension reinforcement, which not only ensures riding comfort but also has excellent load-bearing capacity.



ATTACHMENTS



PERFORMANCE MATCHED

The multi-functional tool switching function enables the equipment to be used in various ways, meeting the needs of different operation scenarios. Specific tools such as fixtures and fork-shaped tools can be selected according to the specific work requirements.

Visit the website : www.xinghangmachinery.com



TRENCH FILLER

Optional sizes

- Size (mm): 1445 × 530 × 450
- Filling width (mm): 1100
- Weight (KG): 125



FLATTING MACHINE

Optional Sizes

- Size (mm): 1080 × 1200 × 310
- Flatting Area (㎡): 1.2 Weight (kg): 65



FORK

Optional sizes

- Size (mm): 1090×930×800
- Fork length (mm): 850
- Side shift size (mm): 2×150
- Rated load capacity (kg): 230
- Weight (kg): 105



LAWN MOWER

Optional sizes

- Size (mm): 1200×1230×480
- Mowing width (mm): 1100
- Mowing height (mm): 20 - 100
- Number of blades: 3
- Weight (kg): 185



4 IN 1 BUCKET

Optional sizes

- Size (mm): 1050 × 710 × 510
- Volume (m^3): 0.14 Opening (mm): 500
- Weight (kg): 115



SWEEPER

Optional sizes

- Size(mm): 1445 × 1100 × 580
- Brush diameter (mm): 500
- Cleaning width (mm): 1050
- Left-right swing angle (°): ±25
- Weight (kg): 145



HYDRAULIC BREAKER

Optional sizes

- Size (mm): 1165 × 615 × 265
- Drill Rod Diameter (mm): 45
- Pressure (Mpa): 8 - 12
- Impact Force (J): 80 - 100
- Weight (kg): 135



Excavator

Optional sizes

- Size (mm): 1100 × 670 × 700
- Slope angle (°): ±30
- System pressure (Mpa): 16
- Weight (KG): 90



TRENCHER

Optional sizes

- Size (mm): 1700 × 800 × 760
- Maximum trench depth (mm): 900
- Single trench width (mm): 150/200
- Trench link pitch (mm): 50.8
- Weight (kg): 178

ATTACHMENTS

LOAD LIFTER

Optional Sizes

Size (mm): 1000×870×810

Length of the fork (mm): 850

Fork spacing (mm): 790

Rated load capacity (kg): 230

Weight (kg): 85



APPLICATION SCENARIO



PASTORALISM



CLEARING SNOW



AGRICULTURE



CLOSED INDOOE RAEA

DETAILED PARAMETER CONFIGURATION

BASIC PARAMETERS

Electric Loader Model XHD15/XHDL15 Overall System Performance Parameters, Single-speed Gearbox			
Overall System Specifications (Theoretical Value)		Overall System Specifications	
Descriptions	Parameters	Descriptions	Parameters
Minimum Turning Radius, mm	4,500	Body Length, mm	5,240
Theoretical Climbing Angle, degree	15	Machine Width, mm	1,850
High Gear Speed, Km/H	12	Machine Height, mm	2,600
Maximum Bucket Unloading Height, mm	2700-3000	Minimum Ground Clearance, mm	255
No-load Lifting Time, second	≤4.8	Wheel Track, mm	1,500
No-load Fall Time, second	≤3.1	Rated Load Capacity, kg	1,500
Unloading Time under No-load Condition, second	≤1.2	Total Weight of the Machine, kg	3,700
Sum of the Three Terms	≤9.1	Bucket Length, mm	1, 800
Axle Base, mm	2,280	Bucket Depth, mm	490
Discharge Distance, mm	740	Bucket Height, mm	785
Discharge Angle, degree	32.5	Bucket Capacity, m^3	0.8
Operating Parameters		Transmission System Parameters	
Descriptions	Parameters	Descriptions	Parameters
Travel Motor	153.6V/20kw	Transmission Type	DE20, Single-speed
Working Motor	153.6V/12kw	Gear Shift	Forward 1, Reverse 1
Walking Controller	350A	Braking System Type	Hydraulic Braking
Working Controller	350A	Axle	Electric Vehicle-specific
12V Converter	500W		Small Wheel Axle
Gear Pump Displacement	32ml/round	Tire Model	23.5/70-16
		Charger	153.6A, Optional
Steering System		Battery Capacity & Hydraulic Capacity	
Descriptions	Parameters	Descriptions	Parameters
Steering Method	Fully Hydraulic Steering	Battery	153.6V300AH-45kw/h
Steering Angle, degree	30±1	Theoretical Volume of Hydraulic Oil, litre	68.5

COMPANY PROFILE

Jining Xinghang Machinery Manufacturing Co., Ltd. is located at No. 3, Ziwizi Road, Yanzhou District, Jining City, one of the six major machinery manufacturing centers in China. It is a pioneering enterprise in the electric compact equipment industry. Relying on two modern production bases and a complete industrial chain system, we focus on converting heavy power into flexible, efficient and environmentally friendly solutions.

Contact Us

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