



X Series Electric Tow Tractor

with capacities of 25,000 to 32,000kg



The World of Hangcha



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ISO 9001:2015

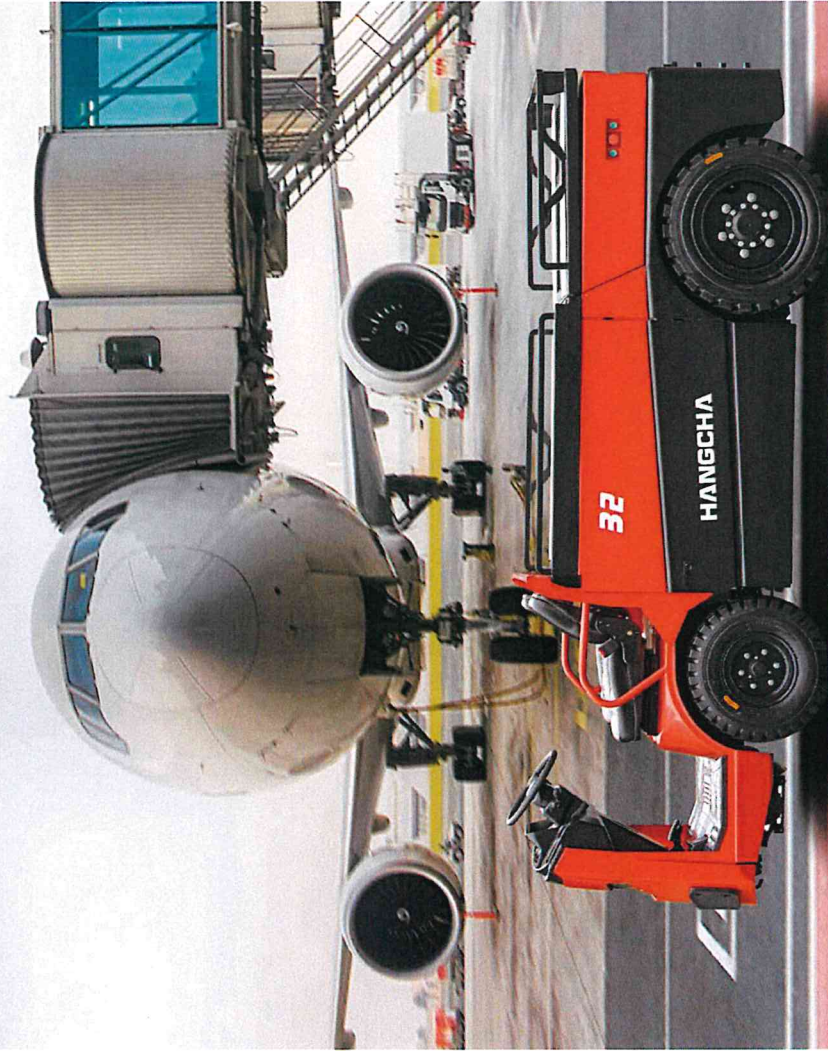


HANGCHA Truck conforms
to the European Safety
Requirements

EN 15713:2012

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**Easy/
Efficiency/
Economy**



Appearance

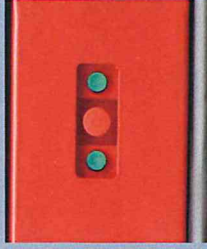
- / With the integrated steel structure, the internationally-fashionable large arc and streamline pattern is utilized. The appearance is beautiful. The vehicle is applicable to such works as traction, pushing and handling.

Safety

- / Advanced AC control system-The high-frequency IMOTION integrated controller can guarantee stable and accurate vehicle running. The motor has fine electric control matching performance, and has such functions as stable start-up, regenerative braking, plug braking, anti-slip at ramp and so on. It is energy-saving, high-efficiency, safe and reliable.
- / With the vacuum servo braking system, double-cavity and double-pipe are arranged in X lay-out. The front and rear parts are provided with differential pressure. All wheels can be braked. The servo ratio is great, braking is safe, stable and reliable; with the vacuum bucket design, when the power is ineffective, servo braking can be reliably realized.
- / The meter electric switch is provided, the vehicle safety can be guaranteed through emergency power shut-off.

Advancedness

- / The fully AC power system provides strong power and more accurate speed-adjusting performance. AC power system is used for both running and steering.
- / The high-efficiency power system and high-performance battery extend the operating time after one charging.
- / The LED display instrument of the international first-class brand is utilized; such instrument has functions of electric quantity display, timing meter and failure self-diagnosis. Without the handheld unit, changing vehicle performance and overhaul can be completed via the instruments. The failure will be displayed both in code and text, which is more visual and easy for reading.
- / At the vehicle rear side, there are the operating switches (front and behind electric switches, emergency power shut-off switch).
- / The vehicle battery can be replaced through being hoisted or laterally moved out, which provides convenience for use by the user.
- / The electric system of the whole vehicle utilizes the waterproof design; the electric control utilizes the forced cooling and can also have functions of heat emission, air guide, dust prevention, waterproofing.
- / The bottom plate at the rear part of the vehicle can be used as the loading platform, and can carry 500kg.



At the vehicle left rear side, there are the operating switches (front and behind electric switches, emergency power shut-off switch). The look can be conveniently and safely manipulated.



The imported and fully AC power system has advanced performance. It is fully enclosed, utilizes forced air-cooling and is safe and reliable.



Remote control (optional): Vehicle management system. Vehicle status enquiry and record alarm for overspeed, door lock radar and so on. The equipment can be provided with 7-inch touch screen. The operation is simple and convenient. With overall data display & real-time status reminding, monitoring, management and service can be realized in remote way.



With the internationally-advanced and transversely-arranged driving unit, the special reduction gearbox is utilized, and the gear reduction ratio design is used.

Stability

- / The battery is placed at the bottom of the vehicle frame and between the front axle and rear axle. With the ultra-low gravity center, the excellent stability of the whole vehicle is ensured.

Comfort

- / The man-machine interactive system utilizes the new-type digital panel and combined rocker switch, the vehicle travel condition can be displayed clearly, and it is simple, reliable and visual.
- / With such special technologies for vehicle as transversely-arranged oil cylinder steering axle, fully-hydraulic steering device and so on, the steering radius is small, and the special operating force is less than 1.0N.
- / With the advanced chassis elastic suspension technology and long wheelbase design, the vehicle has fine smoothness.
- / The integrated driver's cab has large visual field and is made of irregular tubes. The driver's cab is flexibly connected to the vehicle body, has fine tightness, can isolate sound, vibration, heat and so on. Better comfort and lower boarding/get-down pedal, the operator can board or get down conveniently.
- / The front and rear angles of inclination of the steering wheel are adjustable; the seat can be adjusted by 150mm to front or rear. The operator can select the best driving position.

Environmental protection

- / With such advantages of mute, non-pollution and saving energy, the environmental protection requirements can be met.
- / The whole vehicle utilizes the asbestos-free material.

Maintainability

- / Such electric elements as electric control, contactor, instrument, accelerator and so on are products of internationally well-known brands, and have high reliability.
- / AC power system is used for both running and steering. The motor is maintenance-free, and the maintenance cost for carbon brush replacement and so on is reduced.
- / With the rear cover design provided with air spring, large openness and barrier-free rear view, maintenance for such electric elements as battery, motor, controller and so on is very convenient.

Standard specification

- / Head lamp (high beam head lamp and dipped head lamp)
- / Boarding handle
- / Large and integrated rubber pedal cushion
- / Steering signal lamp
- / Steering wheel adjustable device
- / High-power AC drive system
- / LED rear work lamp assembly
- / Standard seat
- / Fully hydraulic steering
- / Multi-functional combined instrument
- / Front windshield wipers
- / Vacuum servo hydraulic brake
- / Electric horn
- / Front windshield wiper water
- / Standard battery
- / Reversing buzzer
- / Reflecting mirror
- / Fully-enclosed driver's cab
- / Top light
- / Inching switch
- / Sun-shield
- / Fan
- / Standard traction pin
- / Front bumper

Options

- / High-performance imported lead-acid battery
- / Speed limit
- / Warm air blower
- / Large-capacity domestically-made lead-acid battery
- / Speed limit alarm
- / Solid tyre
- / Domestically-made lithium iron phosphate battery
- / Traction pin height solution
- / Semi-enclosed driver's cab
- / Imported lithium iron phosphate battery
- / Alarm light
- / Rear windshield wipers
- / Battery charger
- / Rear work light
- / Rear windshield wiper water
- / Suspended seat
- / Extinguisher
- / Remote management system



The integrated driver's cab has large visual field and is made of irregular tubes. The driver's cab is flexibly connected to the vehicle body, has fine tightness, can isolate sound, vibration, heat and so on. With the wide operating space, better comfort is offered for the driver.



The battery can be replaced through being hoisted or laterally moved out, which provides convenience for use by the user.



The large LED display screen has functions of electric quantity display, timing meter and failure self-diagnosis. Without the handheld unit, changing vehicle performance and overhaul can be completed via the instruments. The failure will be displayed both in code and text, which is more visual and easy for reading.



X Series

Electric Tow Tractor



X series 25-32t Electric Tow Tractor Specification

Distinctions	Manufacturer	HANGCHA GROUP CO. LTD.			
		03D25D-X02	03D25D-X02-L	03D21D-X02	03D20-X02-L
1.1	Manufacturer's type designation	25000	25000	32000	32000
1.2	Rated capacity/rated load	6300	6300	6300	6300
1.3	Rated drawbar pull	3475	3760	3475	3760
1.4	Wheelbase	3750	4380	3750	4380
2.1	Service weight	1600/2150	1650/2650	1600/2150	1650/2650
2.2	Axle loading, front/rear	650/1010PR	650/1010PR	650/1010PR	650/1010PR
3.2	Type size, front	20*9-15-12PR	20*9-15-12PR	20*9-15-12PR	20*9-15-12PR
3.3	Type size, rear	1124.5	1124.5	1124.5	1124.5
3.4	Wheels, number front/rear (x = driven wheels)	1/1	1/1	1/1	1/1
3.5	Tread, front	1150	1150	1150	1150
3.6	Tread, rear	1895	1895	1895	1895
3.7	Height of overhead guard (cab)	550/450/350	550/450/350	550/450/350	550/450/350
4.1	Length of loading surface	1685	1685	1685	1685
4.2	Width of loading surface	1350	1350	1350	1350
4.3	Overall length	3045	3045	3045	3045
4.4	Overall width	1380	1380	1380	1380
4.5	Ground clearance, centre of wheelbase	160	160	160	160
4.6	Turning radius	2825	2825	2825	2825
5.1	Travel speed, maximum/urban	7.25	7.25	7.25	7.25
5.2	Drawbar pull at 60 minute rating	6300	6300	6300	6300
5.3	Power, drawbar pull at 15 minute rating	20000	20000	20000	20000
5.4	Efficiency, intervention	73%	73%	73%	73%
5.5	Drawbar pull at 15 minute rating	20000	20000	20000	20000
5.6	Efficiency, intervention	73%	73%	73%	73%
5.7	Drawbar pull at 15 minute rating	20000	20000	20000	20000
5.8	Efficiency, intervention	73%	73%	73%	73%
5.9	Drawbar pull at 15 minute rating	20000	20000	20000	20000
5.10	Efficiency, intervention	73%	73%	73%	73%
6.1	Drive motor rating, 52.60 min	800/500	800/500	800/500	800/500
6.2	Battery voltage, nominal capacity YS	80/775	80/775	80/620	80/775
6.3	Battery weight	1200	1200	1200	1200
6.4	Battery voltage, nominal capacity YS	80/775	80/775	80/620	80/775
6.5	Battery weight	1200	1200	1200	1200

