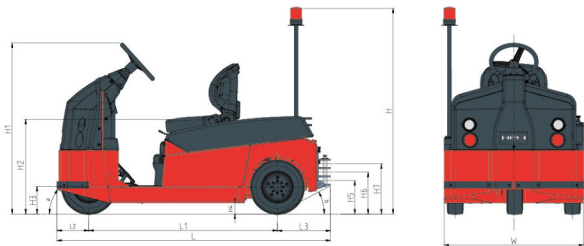
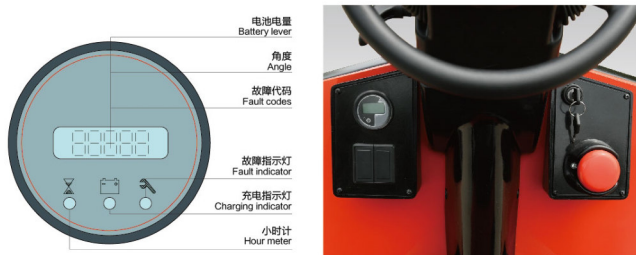


2-7 吨
G2系列电动牵引车
G2 SERIES AC TYPE ELECTRIC TRACTOR



» 多功能液晶仪表 Multifunctional LCD meter



» 能量再生技术 Energy regeneration technology

- 交流控制能量再生技术，使电动牵引车更节能，蓄电池单作业循环时间最大延长15%。
- With AC type energy regeneration technology, the working hour of single battery shift is 15% increased.

↑15%

蓄电池单作业循环时间延长
Working hour of single battery shift 15% increased

技术参数 Technical parameters

| 项目 Item | 单位 Unit | G2系列2-7吨电动牵引车 | | | | | |
|--|--------------|---------------|-------------|--|-------------|-----------------|-------------|
| | | OYD205-JG32 | OYD305-JG32 | OYD405-JG32 | OYD505-JG32 | OYD605-JG32 | OYD705-JG32 |
| 1 额定牵引质量 Rated towing weight | kg | 2000 | 3000 | 4000 | 5000 | 6000 | 7000 |
| 2 最大牵引牵引力 Max. towing force | N | 3000 | 3100 | 4500 | 5000 | 5500 | 6000 |
| 3 额定牵引牵引力 Rated towing force | N | 800 | 1000 | 1560 | 1600 | 2600 | 2800 |
| 4 总长 Length | L(mm) | 1740 | 1950 | | | 2060 | |
| 5 总宽 Width | W(mm) | 860 | 960 | | | 1050 | |
| 6 总高 Height | H(mm) | 1270 | 1270 | | | 1540 | |
| 7 前悬 Overhang length | L2(mm) | 260 | 240 | | | 240 | |
| 8 后悬 Overhang length | L3(mm) | 280 | 400 | | | 400 | |
| 9 座架高度 Seat height | H2(mm) | | | | 710 | | |
| 10 踏板高度 Pedal height | H3(mm) | | | | 200 | | |
| 11 牵引座离地高度 Traction hook height | H5/H6/H7(mm) | 250/310 | | 290/350 | | 250/315/380 | |
| 12 最小离地间隙 Min. ground clearance | H4(mm) | | | | 75 | | |
| 13 接近角 Approach angle | α (°) | 43 | | | | 38 | |
| 14 离去角 Departure angle | β (°) | 30 | | | | 28 | |
| 15 最小转弯半径 Min. steering radius | mm | 1530 | | 1580 | | 1790 | |
| 16 轴距 Wheel base | L1(mm) | 1200 | | 1310 | | 1420 | |
| 17 轮胎 Tread | mm | | | | | | |
| 18 前 Front | mm | 730 | | 825 | | 882 | |
| 19 后 Rear | mm | 730 | | 825 | | 882 | |
| 20 轮胎类型 Tire type | \ | 3.50-8 | | 4.00-8 | | 4.00-8 | |
| 21 整车重量 Tractor weight | kg | 735 | 790 | 1070 | | 1140 | |
| 22 前轴承载质量 Front axle load | kg | 260 | 300 | 375 | | 360 | |
| 23 后轴承载质量 Rear axle load | kg | 475 | 490 | 695 | | 780 | |
| 24 行驶速度 (空载/满载) Driving speed (unloaded/loaded) | km/h | 12/9 | | | | 14/9 | |
| 25 爬坡能力 (空载/满载) Climbing ability (unloaded/loaded) | % | 10x20, 6x20 | | 8x20, 6x20 | | 6x20, 4x20 | |
| 26 制动系统 Braking system | \ | | | 液压、交流再生制动 AC type hydraulic regeneration | | 机械制动 Mechanical | |
| 27 驱动电机功率 Driving motor power | kW | 3.0 AC | | 4.0 AC | | 6.5 AC | |
| 28 转向电机功率 Steering motor power | kW | \ | | \ | | 0.6 AC | |
| 29 蓄电池电压容量 Battery voltage capacity | V/Ah | | | 48/240 | | 48/320 | |
| 30 行驶控制方式 Driving control mode | \ | | | 电子无级式 Electronic stepless mode | | | |
| 31 驾驶员耳边噪音 Operator's ear noise | db | | | <65 | | | |

标准配置 Standard configuration

| 标准配置 Standard configuration | 选装配置 Optional configuration |
|---|---------------------------------|
| 国产蓄电池 Domestic battery | FAAM蓄电池 FAAM battery |
| 紧急断电开关 Emergency power | 灭火器 Fire extinguisher |
| 液晶仪表 Liquid crystal instrument | HOPPECKE蓄电池 HOPPECKE battery |
| 全车实心轮胎 Solid tyre for all wheels | 随车工具 Driver's tool |
| 多层面牵引座 Multi layer traction seat | 半封闭驾驶室 Semi-closed driver's cab |
| 杆式警示灯(6-7吨) Pole type warning light(6-7 ton only) | 无级式实心轮胎 Trainless solid type |
| | 倒车镜装置 Rearview mirror |



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2-7 吨 G2系列
电动牵引车
G2 SERIES AC TYPE ELECTRIC TRACTOR

G2 series / 智能·环保 INTELLIGENT ENVIRONMENT-FRIENDLY

HELI
中国合力 提升未来



整车简介

G2系列2-7吨电动牵引车是安徽合力股份有限公司新研发的全新产品，整车布局、操纵性能得到全面的提升。该车采用低踏板驾驶室结构布局，兼顾上、下车方便性与驾驶舒适性，降低劳动强度，提高生产效率。

G2系列2-7吨电动牵引车的研发，体现了合力“以市场需求为导向”的研发体系和“以人为本，以精品回报社会”的核心价值观。适用于汽车制造业、邮政、医药、烟草等场内货物的牵引作业。

Brief introduction

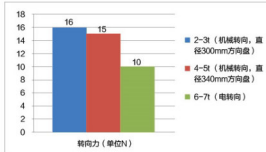
G2 series 2-7 ton AC type electric tractor, with huge improvement on layout and operating performance, is a new product designed by HELI. With low step height, the tractor realized both strength of stand-on tractor that low step height which allows for easy entry and exit and strength of sit-down tractor that sit-down driving which provide comfortable driving and reduce operator fatigue.

HELI R&D system that "Oriented by market demand" and core values that "people-oriented and repay the society with high quality products" are fully expressed by G2 series 2-7 ton AC type electric tractor. The tractor is mainly used in car industry, postal service, medicine, tobacco, and other transport and logistics industry.



转向系统 Steering system

- 2-5吨电动牵引车采用齿轮式机械转向，结构可靠、转向力小，符合助力转向系统的转向力要求。
- 6-7吨电动牵引车采用电子转向，选用进口交流转向控制系统，实现闭环控制、CAN总线通讯、转弯限速、转向角度显示、开机自动回位功能。
- 2-5t electric tractor adopts reliable gear type mechanical steering system. The steering force is light and meets power-assisted steering system requirement.
- 6-7t electric tractor adopts electric steering control system. With imported steering controller, closed-loop control, CAN communication, limited steering speed, display of steering angle and automatic back to center position when starting are realized.



驱动系统 Driving system

- 驱动系统采用进口交流驱动控制系统，闭环控制。有坡道缓慢下坡、CAN总线通讯、车辆制动等功能。
- 驱动电机采用低压三相交流异步电机，电机配有速度编码器和温度传感器，速度编码器外置在电机的后端部，维修方便。
- AC type control system is adopted for driving control system. Imported AC driving controller is used. It has close-loop control, slope parking, CAN communication, inching centering, speed limiting, parking brake switch and service parking brake.
- Low voltage three phase AC type asynchronous motor is used for driving. There are speed encoder and temperature sensor in it. Speed encoder is outside installed at the rear end of the motor for easy maintenance.

主要特点

- 满足欧洲市场及国内中高端用户开发；
- 人机工程的设计布局，使驾驶员很舒服地操纵所有的按钮和踏板，有助于缓解驾驶疲劳。
- 低踏板，上下非常方便；
- 采用交流驱动和转向控制系统，高效率、低能耗；
- 前进及后退双向制动功能，可实现单人脱、挂销作业；
- 6-7吨具有转弯限速功能，安全可靠；
- 高效的传动系统设计，爬坡强劲，动力充沛。
- 选配便捷式牵引机构，驾驶员不离开座椅即可操纵牵引销；

Main characteristics

- The tractor was designed for Euro-market and domestic high-end market.
- Ergonomically designed compartment allows easy operation of all controls and pedals to help reduce operator fatigue.
- Low step height allows easy entry and exit;
- AC control system is adopted on driving and steering which provide high efficiency and low energy-consumption.
- With forward&backward inching button at both side, connect&release the pin can be realized by oneself.
- With speed limit when turning so the tractor is more safe and reliable.
- Efficient transmission system provides a strong power while climbing.
- With the option of convenient towing mechanism, operator can control the pin without leaving the seat.

更加优越的智能化设计 Superior intellectualized design

- 更多智能化设计的装备与功能使整车智能。这不仅保护驾驶员和整车安全，还提高工作效率，降低了能耗。
- Superior intellectualized designs not only ensure operator and truck safety but also improve working efficiency, reduce energy consumption.



操纵系统 Operating system

- 合理的制动踏板、加速踏板的角度及位置，轻巧的踏板力，充分满足人机工程要求。
- 采用可调式方向盘，方向盘的位置可前后调节，以适应不同体形驾驶员操纵的要求。
- 具有良好的制动功能，配置机械、液压及电制动的三套独立的制动系统，安全可靠。
- Proper angle and position of braking pedal and acceleration pedal and slight pedal force fully satisfy ergonomic requirements.
- Adjustable steering wheel fits different operator' s size.
- With mechanical, hydraulic and electric these three independent braking system, the brake is safe and reliable.

