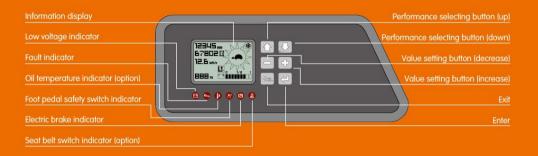


The new design instrument display gives a clear, convenient and more intuitive set of information to the operator, including operation status and fault detection.



STANDARD CONFIGURATION

Travelling motor 48v/6.5kw

Lifting motor 48v/12.5kw

Steering motor 48v/0.4kw

Zapi travelling motor controller

Zapi lifting motor controller

Zapi steering motor controller

Electromagnetic brake

Battery 48v/560Ah

DC/DC converter

Low noisy gear pump

Control valve (four throw)

4600mm three stage full free lift mast

Integral sideshifter

Standard fork

Backrest

Polyurethane tyre

LED meter

Front working light

Warning light

OPTIONAL DEVICE

Three-stage full free lift mast (other lifting height)

Fork with other length

Fork extension

Lifting height pre-selector

Monitoring system

Other battery

German brand hoppecker battery

Italian brand FAAM battery

Battery charger

Customer own colours



ADD: NO.668 Fangxing Street, Economical Development Zone, Hefei, P.R. China TEL: (86 551) 63639068, 63639258, 63639358, 63662105

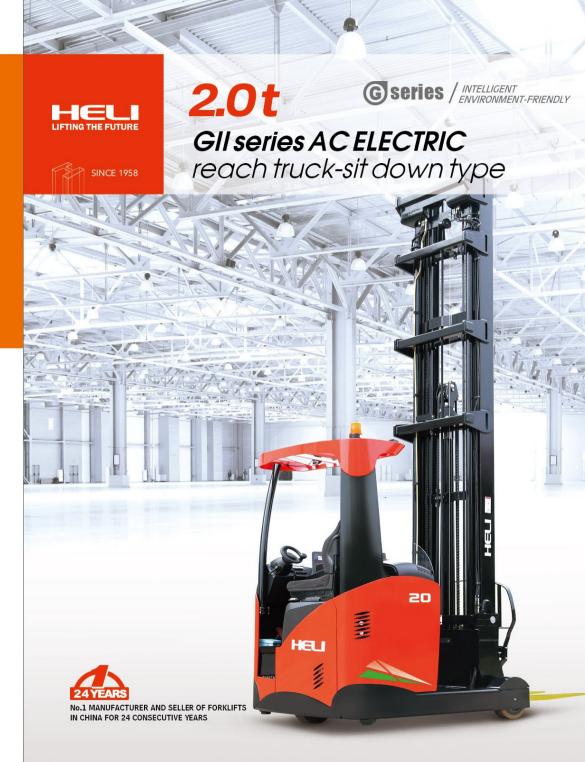
FAX : (86 551)63639966

WEBSITE: http://www.helichina.net

Email: heli@helichina.net

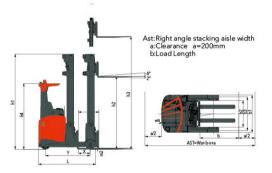
 Details of specifications and equipment are based on information available at time of printing and may change without notice. AUTHORIZED DEALER

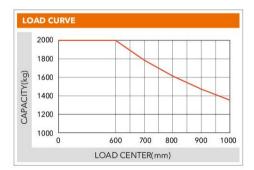
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G series / INTELLIGENT ENVIRONMENT-FRIENDLY

| Mast model | Lifting height (mm) h3 | Free lifting height (mm) h2 | Mast height, lowered (mm) h1 | Load capacity (kg) | Fork tilt angle (front/rear (°) α / β |
|------------|---------------------------|-----------------------------|---------------------------------|-----------------------|--|
| ZSM460 | 4600 | 1280 | 2314 | 2000 | 2°/4° |
| ZSM480 | 4800 | 1340 | 2381 | 2000 | 2°/4° |
| ZSM540 | 5400 | 1540 | 2581 | 2000 | 2°/4° |
| ZSM570 | 5700 | 1640 | 2681 | 1900 | 2°/4° |
| ZSM630 | 6300 | 1840 | 2881 | 1900 | 2°/4° |
| ZSM675 | 6750 | 1940 | 2982 | 1800 | 2°/4° |
| ZSM700 | 7000 | 2030 | 3065 | 1700 | 2°/4° |
| ZSM715 | 7150 | 2080 | 3115 | 1700 | 2°/4° |
| ZSM750 | 7500 | 2190 | 3232 | 1700 | 2°/4° |
| ZSM800 | 8000 | 2360 | 3398 | 1500 | 2°/4° |
| ZSM850 | 8500 | 2530 | 3564 | 1300 | 2°/4° |
| ZSM900 | 9000 | 2690 | 3730 | 1100 | 2°/4° |
| ZSM950 | 9500 | 2860 | 3898 | 1000 | 2°/4° |
| ZSM1000 | 10000 | 3030 | 4064 | 850 | 2°/4° |
| ZSM1050 | 10500 | 3190 | 4230 | 800 | 2°/4° |
| ZSM1080 | 10800 | 3290 | 4330 | 750 | 2°/4° |
| ZSM1100 | 11000 | 3360 | 4398 | 700 | 2°/4° |
| ZSM1150 | 11500 | 3530 | 4564 | 650 | 2°/4° |
| ZSM1200 | 12000 | 3690 | 4730 | 550 | 2°/4° |
| ZSM1250 | 12500 | 3860 | 4898 | 500 | 2°/4° |







Renewable energy technologies

With the use of the excellent load-sensing steering system and AC controlling renewable energy technologies, the forklift is more energy-saving and the working hour of the battery is extended by 15%.

Note: The vertical axis denotes capacity and the horizontal axis denotes load center, which is calculated from front face of fork to centre of load. Standard load is one cubic metre hence 500mm load centre. When tilting forward or using non-standard forks, the capacity will be reduced as load center is increased.





| | Character | | | |
|------|---|-------|------|-------------------------------|
| 1.01 | Manufacturer | | | HELI |
| .02 | Model | | | CQD20 |
| .03 | Configuration number | | | GB2S |
| .04 | Load capacity | Q | kg | 2000 |
| .05 | load center distance | С | mm | 600 |
| .06 | Power type | | | Battery |
| .07 | Driving type | | | Seated |
| .08 | Wheel base | Y | mm | 1515 |
| | Tyre | | | |
| 01 | Tyre type | | | Polyurethane |
| 02 | Wheels, number front/rear (x=driven wheels) | | | 1x/2 |
| 03 | Track width, rear | b3 | mm | 1143 |
| 04 | Wheel size, rear | | mm | ф330×100 |
| 05 | Wheel size, front | | mm | ф 343x114 |
| | Size | | | |
| .01 | Lift height | h3 | mm | 4600 |
| 02 | Free lift | h2 | mm | 1280 |
| .03 | Mast height, lowered | h1 | mm | 2314 |
| 04 | Fork size:thickness×width×length | s/e/l | mm | 40x122x1150 |
| .05 | Fork adjusting width | | mm | 0~724 |
| .06 | Fork tilt angle (front/rear) | α/β | 0 | 2°/4° |
| .07 | Fork sideshifting | | mm | ±75 |
| .08 | Truck body length (fork excluded) | L | mm | 1942 |
| .09 | Truck body width | b1 | mm | 1270 |
| .10 | Distance between support arms | b2 | mm | 900 |
| .11 | Reach distance | L4 | mm | 620 |
| .12 | Height of overhead guard (cab) | h4 | mm | 2215 |
| .13 | Ground clearance, below mast | m2 | mm | 75 |
| 14 | Turning radius | Wa | mm | 1751 |
| .15 | Load distance, centre of support arm wheel to face of forks | X | mm | 383 |
| .16 | Right angle aisle width | | mm | 2200 |
| .17 | Aisle width with pallet 1000 x 1200 across forks | Ast | mm | 2810 |
| | Performance | | | |
| .01 | Travelling speed: with/without load | | km/h | 12/14 |
| .02 | Lifting speed: with/without load | | m/s | 0.35/0.55 |
| 03 | Lowering speed: with/without load | | m/s | 0.5/0.5 |
| 04 | Reach speed, with/without load | | m/s | 0.11/0.11 |
| 05 | Maximum climbing ability, with/without load | | % | 10/15 |
| - 7 | Weight | | | |
| .01 | Total weight (with battery) | | kg | 3560 |
| .02 | Axle load,fork outreached,without load,front/rear | | kg | 1590/1970 |
| .03 | Axle load fork retracted, without load front/rear | | kg | 2230/1330 |
| .04 | Axle load, fork outreached, with load, front/rear | | kg | 550/5010 |
| .05 | Axle load,fork retracted, with load, front/rear | | kg | 1960/3600 |
| | Battery | | | |
| .01 | Battery voltage/capacity K5 | | V/Ah | 560/48 |
| .02 | Battery weight | | kg | 967 |
| .03 | Battery box dimension | | mm | 1220×352×784 |
| | Motor and controller | | | |
| 01 | Drive motor power | | kW | 6.5 |
| 02 | Lifting motor power | | kW | 12.5 |
| .03 | Steering motor power | | kW | 0.4 |
| 04 | Type of driving control | | | MOSFET/AC |
| 05 | Type of Lifting control | | | MOSFET/AC MOSFET/AC |
| .06 | Type of Steering control | | | MOSFET/AC MOSFET/AC |
| 07 | Transmission box | | | HELI special transmission box |
| .07 | Service brake | | | Electromagnetic brake |
| .00 | Hydraulic system working pressure | | Мра | 18.5 |

NOTE: *Detailed information about battery, please contact our salesmen or engineer.

2.0t

GII series AC ELECTRIC reach truck-sit down type

>>> FEATURES OF THE COMPLETED TRUCK

Three phase AC type motor technology

- > Three phase AC type motor control on travelling, lifting and steering
- > Good acceleration
- > Fast and sensitive response to travel direction shifting
- > Free from maintenance motor without carbon brush having long service life and low maintenance cost
- > Energy regeneration during deceleration extending operation hours
- Max. travelling speed without load 20% increased
- Max. travelling speed with load 27% increased

Newly designed hydraulic system

- > Newly designed hydraulic system with high working efficiency
- > High power lifting motor
- MOSFET lifting speed governing electric controller
- New type low noisy gear pump
- Max. lifting speed without load 15% increased
- Max. lifting speed with load 15% increased



Optimized intelligent design

- > ZAPI travelling motor controller
- > ZAPI lifting motor controller
- > ZAPI steering motor controller
- > CAN bus technology
- Emergency power off of both main circuit and control circuit
- > Parking brake on slope
- > Operation sequence protection
- Travelling speed control
- > Electric controller self protection
- > Lifting height pre-selector (optional)

Advanced EPS electric powered steering

- EPS electric powered steering offering easy, flexible, high efficient and mute operation
- > Steering motor controller
- Automatic centering function
- Real-time shifting between 180°steering mode and 360° steering mode
- Automatic limit on speed and accelerated speed when steering

Easy operated finger control

- > To control hydraulic functions
- Clear operating units
- Proportional solenoid offering a stable and comfort lowering action

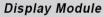












- > High quality meter displaying important operating data
- Display of traveling direction and drive wheel angle
- Display of 180°/360° steering mode
- Display of battery quantity and fault code
- Travelling mode selection
- Lifting lock indication
- Hour meter
- Labor hour display
- Time
- Fork height display (optional)

Wide view mast

- > Good view when loaded
- > Integral sideshifter
- Mast vertical, fork tilt
- High residual load capacity at high lift
- > Lift height range:4600-12500mm
- Buffering during lifting and lowering
- Buffering on lifting and lowering limit
- Buffering when cylinder moving forward





Comfortable cab

- > Comfortable cab offering driver good working environment and easy operation
- > Easy reach to important operation
- > Adjustable seat (seat position /backrest angle)

Overhead guard

- > Fence style overhead guard offering good operator visibility.
- > Good bevelled design with front ring beam giving a high standard of operator protection.

