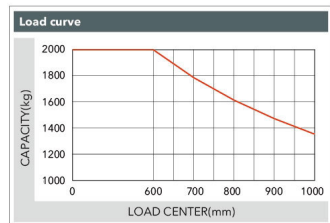
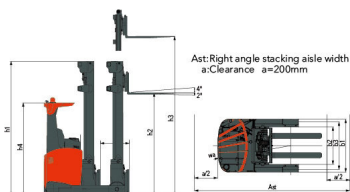


| WIDE VIEW MAST |                      |                            |                             |                    |                   |                                      |
|----------------|----------------------|----------------------------|-----------------------------|--------------------|-------------------|--------------------------------------|
| Mast model     | Lifting height (mm)h | Free lifting height (mm)h2 | Mast height, lowered (mm)h1 | Load capacity (kg) | Total weight (kg) | Fork tilt angle (front/rear) α / β ° |
| M290           | 2900                 | 80                         | 2200                        | 2000               | 3290              | 2°/4°                                |
| M320           | 3200                 | 80                         | 2350                        | 2000               | 3300              | 2°/4°                                |
| M360           | 3600                 | 80                         | 2550                        | 2000               | 3330              | 2°/4°                                |
| M380           | 3800                 | 80                         | 2650                        | 2000               | 3350              | 2°/4°                                |
| M400           | 4000                 | 80                         | 2750                        | 2000               | 3360              | 2°/4°                                |
| M420           | 4200                 | 80                         | 2850                        | 2000               | 3380              | 2°/4°                                |
| M440           | 4400                 | 80                         | 2950                        | 2000               | 3390              | 2°/4°                                |
| M460           | 4600                 | 80                         | 3050                        | 2000               | 3440              | 2°/4°                                |
| M500           | 5000                 | 80                         | 3250                        | 1900               | 3540              | 2°/4°                                |

| WIDE VIEW FULL FREE 3-STAGE MAST |                      |                            |                             |                    |                   |                                      |
|----------------------------------|----------------------|----------------------------|-----------------------------|--------------------|-------------------|--------------------------------------|
| Mast model                       | Lifting height (mm)h | Free lifting height (mm)h2 | Mast height, lowered (mm)h1 | Load capacity (kg) | Total weight (kg) | Fork tilt angle (front/rear) α / β ° |
| ZSM460                           | 4600                 | 1280                       | 2314                        | 2000               | 3490              | 2°/4°                                |
| ZSM480                           | 4800                 | 1340                       | 2381                        | 2000               | 3510              | 2°/4°                                |
| ZSM540                           | 5400                 | 1540                       | 2581                        | 2000               | 3570              | 2°/4°                                |
| ZSM570                           | 5700                 | 1640                       | 2681                        | 1900               | 3600              | 2°/4°                                |
| ZSM630                           | 6300                 | 1840                       | 2881                        | 1900               | 3660              | 2°/4°                                |
| ZSM675                           | 6750                 | 1940                       | 2982                        | 1800               | 3705              | 2°/4°                                |
| ZSM700                           | 7000                 | 2030                       | 3065                        | 1700               | 3730              | 2°/4°                                |
| ZSM715                           | 7150                 | 2080                       | 3115                        | 1700               | 3750              | 2°/4°                                |
| ZSM750                           | 7500                 | 2190                       | 3232                        | 1700               | 3780              | 2°/4°                                |
| ZSM800                           | 8000                 | 2360                       | 3398                        | 1500               | 3830              | 2°/4°                                |
| ZSM850                           | 8500                 | 2530                       | 3564                        | 1300               | 3880              | 2°/4°                                |



### Renewable energy technologies

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

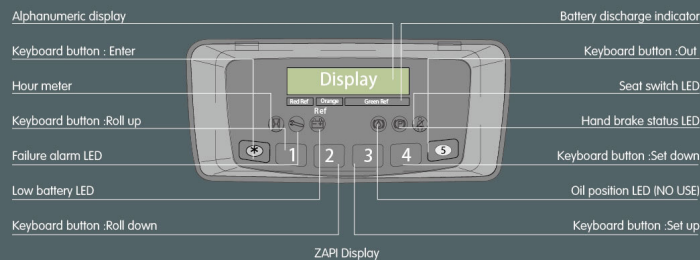
**Note:** The vertical axis denotes capacity and the horizontal axis denotes load center, which is calculated from front face of fork to centre of load. Standard load is one cubic metre hence 500mm load centre. When tilting forward or using non-standard forks, the capacity will be reduced as load center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

| Manufacturer's Data and Design Characteristics |                                                             |         |      |                               |
|------------------------------------------------|-------------------------------------------------------------|---------|------|-------------------------------|
| Character                                      |                                                             |         |      |                               |
| 1.01                                           | Manufacturer                                                |         |      | HELI                          |
| 1.02                                           | Model                                                       |         |      | COD20                         |
| 1.03                                           | Configuration number                                        |         |      | GC25                          |
| 1.04                                           | Load capacity                                               | Q       | kg   | 2000                          |
| 1.05                                           | load center distance                                        | C       | mm   | 600                           |
| 1.06                                           | Power mode                                                  |         |      | Battery                       |
| 1.07                                           | Driving mode                                                |         |      | Seated                        |
| 1.08                                           | Wheel base                                                  | Y       | mm   | 1515                          |
| Type                                           |                                                             |         |      |                               |
| 2.01                                           | Tyre type                                                   |         |      | Polyurethane                  |
| 2.02                                           | Wheels, number front/rear (x=driven wheels)                 |         |      | 1x/2                          |
| 2.03                                           | Track width, rear                                           | b3      | mm   | 1143                          |
| 2.04                                           | Wheel size, rear                                            |         | mm   | φ 330×100                     |
| 2.05                                           | Wheel size, front                                           |         | mm   | φ 343×114                     |
| Size                                           |                                                             |         |      |                               |
| 3.01                                           | Lift height                                                 | h3      | mm   | 4600                          |
| 3.02                                           | Free lift                                                   | h2      | mm   | 1280                          |
| 3.03                                           | Mast height, lowered                                        | h1      | mm   | 2314                          |
| 3.04                                           | Fork size: thickness×width×length                           | s/e/l   | mm   | 40×122×1150                   |
| 3.05                                           | Fork adjusting width                                        |         | mm   | 0~724                         |
| 3.06                                           | Fork tilt angle (front/rear)                                | α / β ° |      | 2°/4°                         |
| 3.07                                           | Fork sideshifting                                           |         | mm   | ±75                           |
| 3.08                                           | Truck body length (fork excluded)                           | L       | mm   | 1942                          |
| 3.09                                           | Truck body width                                            | b1      | mm   | 1270                          |
| 3.10                                           | Distance between support arms                               | b2      | mm   | 900                           |
| 3.11                                           | Reach distance                                              | L4      | mm   | 620                           |
| 3.12                                           | Height of overhead guard (cab)                              | h4      | mm   | 2215                          |
| 3.13                                           | Ground clearance, below mast                                | m2      | mm   | 75                            |
| 3.14                                           | Turning radius                                              | Wa      | mm   | 1751                          |
| 3.15                                           | Load distance, centre of support arm wheel to face of forks | X       | mm   | 383                           |
| 3.16                                           | Asile width with pallet 1200x1200 along forks               | Aat     | mm   | 2965                          |
| 3.17                                           | Asile width with pallet 1000 x 1200 across forks            | Ast     | mm   | 2810                          |
| Performance                                    |                                                             |         |      |                               |
| 4.01                                           | Travelling speed: with/without load                         |         | km/h | 10/11                         |
| 4.02                                           | Lifting speed: with/without load                            |         | m/s  | 0.32/0.44                     |
| 4.03                                           | Lowering speed: with/without load                           |         | m/s  | 0.5/0.5                       |
| 4.04                                           | Reach speed, with/without load                              |         | m/s  | 0.11/0.11                     |
| 4.05                                           | Maximum climbing ability, with/without load                 |         | %    | 10/15                         |
| Weight                                         |                                                             |         |      |                               |
| 5.01                                           | Total weight (with battery)                                 |         | kg   | 3490                          |
| 5.02                                           | Avle load, fork outreached, without load, front/rear        |         | kg   | 1620/1870                     |
| 5.03                                           | Avle load, fork retracted, without load, front/rear         |         | kg   | 2180/1310                     |
| 5.04                                           | Avle load, fork outreached, with load, front/rear           |         | kg   | 650/4840                      |
| 5.05                                           | Avle load, fork retracted, with load, front/rear            |         | kg   | 2060/3430                     |
| Battery                                        |                                                             |         |      |                               |
| 6.01                                           | Battery voltage/capacity Ks                                 |         | V/Ah | 48/500                        |
| 6.02                                           | Battery weight                                              |         | kg   | 860                           |
| 6.03                                           | Battery box dimension                                       |         | mm   | 1220×352×784                  |
| Motor and controller                           |                                                             |         |      |                               |
| 7.01                                           | Drive motor power                                           |         | kW   | 6                             |
| 7.02                                           | Lifting motor power                                         |         | kW   | 11                            |
| 7.03                                           | Steering motor power                                        |         | kW   | 0.4                           |
| 7.04                                           | Type of driving control                                     |         |      | MOSFET/AC                     |
| 7.05                                           | Type of Lifting control                                     |         |      | MOSFET/AC                     |
| 7.06                                           | Type of Steering control                                    |         |      | MOSFET/AC                     |
| 7.07                                           | Transmission box                                            |         |      | HELI special transmission box |
| 7.08                                           | Service brake                                               |         |      | Hydraulic Brake               |
| 7.09                                           | Hydraulic system working pressure                           |         | Mpa  | 18.5                          |

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

**HELI**

The reliable special instrument gives a complete display of the vital information, like operation status, fault detection, etc. It ensures the operator predominate the vehicle status more intuitive and convenient.



### STANDARD CONFIGURATION

Travelling motor 48v/6.0kw  
Lifting motor 48v/11.0kw  
Steering motor 48v/0.4kw  
ZAPI travelling motor controller  
ZAPI lifting motor controller  
ZAPI steering motor controller  
Battery 48v/500Ah  
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)  
Two-stage wide view mast  
Fork with other length  
Fork extension  
Monitoring system  
Battery 48v/560Ah  
Other battery  
Germany hoppecker battery  
Italy FAAM battery  
Japan GS battery  
Battery charger  
Customer made color

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



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AUTHORIZED DEALER

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# 2.0t G2 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 respond on travel direction shifting Free from maintenance motor without carbon brush having long service life and low maintenance cost
- > Energy regenerating during deceleration extending operation hours

#### 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

## Gseries / INTELLIGENT ENVIRONMENT-FRIENDLY

#### Advanced EPS electric powered steering

- > EPS electric powered steering offering easy, flexible, high efficient and mute operation
- > Steering motor controller
- > Automatic centering function
- > Automatic limit on speed and accelerated speed when steering

#### 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



#### Displayer

- > High quality meter displaying important operating data
- > 180° steering angle position display
- > Display of battery quantity and fault code
- > Travelling mode selection
- > Lifting lock indication
- > Hour meter
- > Labor hour display

#### Wide view mast

- > Good view when loaded
- > Integral sideshifter
- > Mast vertical, fork tilt
- > High residual load capacity at high lift height
- > Buffering during lifting and lowering
- > Buffering on lifting and lowering limit
- > High quality parts ensures long service life
- > Lift height range:4600-8500mm

#### Comfort cab

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

#### Overhead guard

- > Fence on top of the overhead guard offering driver wide view
- > Beveled view angle design with front ring beam meeting humanized requirements

