



# H Series

1.2 / 1.4 / 1.6 T  
Electric Reach Truck



## H Series Reach forklift mast specification

| Type                            | Model | Overall height   |               | Free lift | Tilt range       |     | Capacity |                         |        |        |        |
|---------------------------------|-------|------------------|---------------|-----------|------------------|-----|----------|-------------------------|--------|--------|--------|
|                                 |       | Mast fork height | Lowered       | Extended  | Without backrest | FWD | RWD      | Load capacity at 500 mm |        |        |        |
|                                 |       |                  | With backrest | mm        | mm               | mm  | Deg      | Deg                     | CGD12H | CGD14H | CGD16H |
| Wide view mast                  | 1.4GN | 2700             | 1925          | 3265      | 340              | 2   | 4        | 1200                    | 1400   | 1600   | 2000   |
|                                 |       | 3000             | 2075          | 3565      | 340              | 2   | 4        | 1200                    | 1400   | 1600   | 2000   |
|                                 |       | 3300             | 2225          | 3865      | 340              | 2   | 4        | 1200                    | 1400   | 1600   | 2000   |
|                                 |       | 3500             | 2325          | 4065      | 340              | 2   | 4        | 1200                    | 1400   | 1600   | 2000   |
|                                 |       | 3600             | 2375          | 4165      | 340              | 2   | 4        | 1200                    | 1400   | 1600   | 2000   |
|                                 |       | 4000             | 2625          | 4565      | 340              | 2   | 4        | 1200                    | 1400   | 1600   | 2000   |
|                                 |       | 4300             | 2780          | 4865      | 340              | 2   | 4        | 1200                    | 1400   | 1600   | 2000   |
|                                 |       | 4500             | 2900          | 5065      | 340              | 2   | 4        | 1200                    | 1400   | 1600   | 2000   |
|                                 |       | 4300             | 2085          | 4900      | 1500             | 2   | 4        | 1200                    | 1400   | 1600   | 2000   |
|                                 |       | 4500             | 2165          | 5100      | 1500             | 2   | 4        | 1200                    | 1400   | 1600   | 2000   |
| Wide view all rise 3-stage mast | 1.4GN | 4800             | 2265          | 5400      | 1500             | 2   | 4        | 1200                    | 1400   | 1600   | 2000   |
|                                 |       | 5000             | 2315          | 5600      | 1700             | 2   | 4        | 1200                    | 1400   | 1600   | 2000   |
|                                 |       | 5500             | 2490          | 6100      | 1850             | 1   | 3        | 1100                    | 1300   | 1500   | 1800   |
|                                 |       | 6000             | 2665          | 6600      | 2000             | 1   | 3        | 1000                    | 1200   | 1400   | 1600   |
|                                 |       | 6500             | 2815          | 7100      | 2200             | 0.5 | 2        | 900                     | 1100   | 1300   | 1600   |
|                                 |       | 7000             | 2975          | 7600      | 2380             | 0.5 | 2        | 850                     | 1000   | 1200   | 1400   |
|                                 |       | 7500             | 3145          | 8100      | 2540             | 0.5 | 1        | 750                     | 900    | 1100   | 1200   |

### Standard Feature

- PU drive wheel & support wheel
- High capacity storage battery
- Emergency disconnect switch
- 3 Spools control valve
- Arm rest, head protector
- High elastic seat
- Drive, lift, steering control
- LED Instrument and LCD hour meter
- 3 meters 2-stage mast
- Adjustable steering column
- Front head lamp
- CURTIS MOSFET chopper controller
- Separated Excited Motor



### Optional Feature

- Safety pedal
- 4 spools control valve
- 4.3-7.5 meters 3-stage mast
- 2.7-4.5 meters 2-stage mast
- With attachment
- Fast battery-charge system
- High capacity battery
- Front wheel protect cover
- Higher or wider backrest



CE CERTIFICATE



ISO 14001: 1996



ISO 9001: 2000



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**F** Or more than 30 years, ZHEJIANG HANGCHA ENGINEERING MACHINERY CO., LTD. Has played a leading role in the manufacture and production of Chinese forklift industry. We constantly strive to develop and incorporate the latest advances in forklift design and technology to ensure that our products provide an optimum level of performance, all the time. Our new generation H series of forklifts truly exemplifies this commitment to excellence.

### H series 1.2 / 1.4 / 1.6 ton Electric Reach Truck

The New H series Electric Reach Truck, 1.2-1.6 ton, apart from its excellent performance, is also very economical. The reach trucks are used wherever space is confined and where heavy loads are to be raised to high lift heights.

1) The drive's compartment, through generous dimensioning, provides the driver with a comfortable body position. The excellent all-around visibility and the low noise level add to the ease of working.

2) The operator compartment incorporates controls for hydraulic functions, direction control, horn, lights and handbrake, all within convenient reach of the operator. Padded armrest, rubber floor mat and resin coated control knobs ensure comfort for daylong operation. The tilt of the steering column can be freely adjusted to any degree.

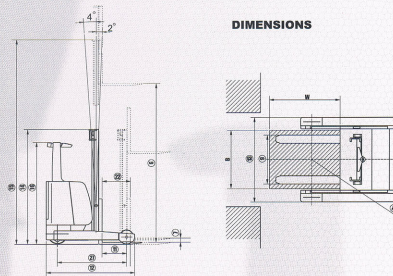
3) Curtis made Multi-function instrument, together with the multi display monitor provide information and function input to the operator to allow optimum performance and operator confidence.

4) Drive and hydraulic control fitted as standard. MOSFET CHOPPER, Power transistors with high impulse frequencies control the motors in an energy saving and noiseless manner. The drive control permits jerk-free starting and a strong acceleration. Adjustable energy feedback on releasing the drive pedal through regenerative braking.

5) The chassis design and steering geometry provide an outstanding turning radius of 1675mm and reach stroke of 602mm (1.4 ton model). The steering angle of 90° in each direction further enhances maneuverability. These specifications ensure improved safety clearances in confined spaced with high loading.

6) Low noise, less pollution and energy saving, these features all satisfied with environment protection.

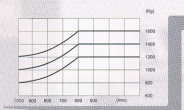
7) Drive and electronics cover may be opened quickly and easily for servicing and maintenance work. The service access door on the truck provides excellent access to the major service components. All motors, drive gearbox, pumps, brakes and steering are easily accessible.



**DIMENSIONS**



### LOAD CHART



### H Series Reach forklift specificatio

| General  | 1                                  | Model                  | 2          | 3          | 4          |
|--|------------------------------------|------------------------|------------|------------|------------|
| 2 Model  | 1200                               | 1400                   | 1600       | 2000       |            |
| 3 Power type                                   | Battery                            | Battery                | Battery    | Battery    |            |
| 4 Rated capacity                               | 1200                               | 1400                   | 1600       | 2000       |            |
| 5 Load center                                  | 600                                | 600                    | 600        | 600        |            |
| 6 L/R height                                   | 3000                               | 3000                   | 3000       | 3000       |            |
| 7 Free lift height                             | 340                                | 340                    | 340        | 340        |            |
| 8 Fork size                                    | 216                                | 216                    | 216        | 216        |            |
| 9 Fork spread(outside)                         | L x W x T                          |                        |            |            |            |
| 10 Mast tilt range                             | Min. / Max.                        |                        |            |            |            |
| 11 Axle centre of fork face                    | F / R                              |                        |            |            |            |
| Dimensions                                     | 12 Overall width                   | Length to face of fork |            |            |            |
|  | 13 Mast lowered height             | 2160                   | 2100       | 2100       | 2100       |
|  | 14 Mast extended height            | 3565                   | 3565       | 3565       | 3565       |
|  | 15 Overall dimensions              | 2075                   | 2075       | 2075       | 2075       |
|  | 16 Overhead guard height           | 1675                   | 1675       | 1675       | 1755       |
|  | 17 Turning radius(outside)         | 2625                   | 2625       | 2625       | 2905       |
| 18 Min. right angle stacking aisle width (Std) | Pallet: W x B=1200 x 1000          |                        |            |            |            |
| 19 Min. right angle stacking aisle width (Alt) | Pallet: W x B=800 x 1200           |                        |            |            |            |
| Performance                                    | 20 Speed                           | Trawl                  | 10.2       | 10.2       | 10.2       |
|  | 21 Lifting ( Full load )           | 260                    | 260        | 220        | 210        |
| Performance                                    | 22 Extend distance                 | 602                    | 602        | 542        | 542        |
|  | 23 Max. Gradeability ( Full load ) | 10                     | 10         | 10         | 10         |
| Performance                                    | 24 Self weight                     | 2850                   | 2950       | 3000       | 3250       |
|  | 25 Wheels                          | 285 x 100              | 285 x 100  | 285 x 100  | 343 x 108  |
| Wheels   | 26 ( diameter/width )              | Front                  |            |            |            |
|  | 27 Wheelbase                       | Drive                  | 343 x 114  | 343 x 114  | 343 x 114  |
| Wheels   | 28 Ground clearance                | 1420                   | 1420       | 1420       | 1500       |
|  | 29 Battery                         | Model                  | 70         | 70         | 70         |
| Battery  | 30 Voltage / Capacity ( 5 HR )     | D-400B                 | D-400B     | D-500      | D-500      |
|  | 31 Weight ( with box )             | 48 / 400               | 48 / 400   | 48 / 500   | 48 / 500   |
| Electric motors                                | 32 Model                           | 760                    | 900        | 900        | 900        |
|  | 33 Rated output / r.p.m            | XQ-5H-1                | XQ-5H-1    | XQ-5H-1    | XQ-5H-1    |
| Electric motors                                | 34 Model                           | 5.4 / 1680             | 5.4 / 1680 | 5.4 / 1680 | 5.4 / 1680 |
|  | 35 Rated output / r.p.m            | XQD-7.5-2H             | XQD-7.5-2H | XQD-7.5-2H | XQD-7.5-2H |
| Control  | 36 Type                            | 7.5 / 2000             | 7.5 / 2000 | 7.5 / 2000 | 7.5 / 2000 |
|  | 37 MOSFET                          | MOSFET                 | MOSFET     | MOSFET     | MOSFET     |
| Operating pressure                             | 38 For attachments                 | 14.5                   | 14.5       | 14.5       | 14.5       |

| CGD12H     | CGD14H     | CGD16H     | CGD20H     |
|------------|------------|------------|------------|
| Battery    | Battery    | Battery    | Battery    |
| 1200       | 1400       | 1600       | 2000       |
| 600        | 600        | 600        | 600        |
| 3000       | 3000       | 3000       | 3000       |
| 340        | 340        | 340        | 340        |
| 216        | 216        | 216        | 216        |
| 220 / 896  | 220 / 896  | 220 / 896  | 220 / 896  |
| 2 / 4      | 2 / 4      | 2 / 4      | 2 / 4      |
| 390        | 390        | 330        | 330        |
| 1802       | 1802       | 1802       | 1882       |
| 1240       | 1240       | 1240       | 1272       |
| 2100       | 2100       | 2100       | 2100       |
| 3565       | 3565       | 3565       | 3565       |
| 2075       | 2075       | 2075       | 2075       |
| 1675       | 1675       | 1675       | 1755       |
| 2625       | 2625       | 2625       | 2905       |
| 2600       | 2600       | 2600       | 2680       |
| 10.2       | 10.2       | 10.2       | 10.2       |
| 260        | 260        | 220        | 210        |
| 602        | 602        | 542        | 542        |
| 10         | 10         | 10         | 10         |
| 2850       | 2950       | 3000       | 3250       |
| 285 x 100  | 285 x 100  | 285 x 100  | 343 x 108  |
| 343 x 114  | 343 x 114  | 343 x 114  | 343 x 114  |
| 1420       | 1420       | 1420       | 1500       |
| 70         | 70         | 70         | 70         |
| D-400B     | D-400B     | D-500      | D-500      |
| 48 / 400   | 48 / 400   | 48 / 500   | 48 / 500   |
| 760        | 760        | 900        | 900        |
| XQ-5H-1    | XQ-5H-1    | XQ-5H-1    | XQ-5H-1    |
| 5.4 / 1680 | 5.4 / 1680 | 5.4 / 1680 | 5.4 / 1680 |
| XQD-7.5-2H | XQD-7.5-2H | XQD-7.5-2H | XQD-7.5-2H |
| 7.5 / 2000 | 7.5 / 2000 | 7.5 / 2000 | 7.5 / 2000 |
| CURTIS     | CURTIS     | CURTIS     | CURTIS     |
| MOSFET     | MOSFET     | MOSFET     | MOSFET     |
| 14.5       | 14.5       | 14.5       | 14.5       |

n, 5m, 5.5m, 6m, 6.5m, 7m, 7.5m )

omation please contact us.



1. Special lifting height available ( 2.7m, 3.5m, 3.6m, 4m, 4.3m, 4.4m )  
 2. Attachment available.  
 3. Battery charger available.  
 4. The specification in this table are for standard models only. For F or H series, specification are subject to change without notice.