

## Reliable special designed instrument



Reliable special meter display the whole truck's working condition, fault detect and other important information completely which make the operator master the whole truck condition directly and conveniently.

## Standard configuration

|                                   |                                      |
|-----------------------------------|--------------------------------------|
| Horn                              | Standard fork                        |
| Control valve                     | Integrated electric box              |
| Wholly hydraulic-powered steering | Hydraulic oil circuit filter         |
| Half enclosed seat                | Flow regulator                       |
| Backrest                          | Wide view mast                       |
| Back view mirror                  | Air intaking device                  |
| Front combined lamp               | Durable tread tyre                   |
| Transmission oil filter           | Lifting and tilting operation lever  |
| Engine flame out device           | Traction pin                         |
| Cable type parking brake          | Head lamp                            |
| Driver's tool                     | Hydraulic oil dipstick               |
| Rear combined lamp                | Overhead guard                       |
| Backward buzzer                   | Torque converter oil dipstick        |
| Tilt oil circuit self lock valve  | Combined instrument                  |
| Tilt adjustable steering column   | Electro-hydraulic direction changing |
| Overhead guard rain cover         |                                      |

## Optional

|                                |                                        |
|--------------------------------|----------------------------------------|
| Driver's cab                   | Torque converter oil temperature meter |
| Warning light                  | Tilting cylinder bush                  |
| High air exhausting device     | Customer made color                    |
| Double air cleaner             | Optional attachments                   |
| Suspension seat                | Steel protection net                   |
| Lengthening fork extension     | Double-tyre and protection device      |
| Warm air blower                | Rotating seat for lpg                  |
| Solid tyre                     | Single/dual fuel system                |
| Widen fork arm carrier         | Low speed alarm                        |
| Wind shield                    |                                        |
| Cleansing muffler              |                                        |
| Fire extinguisher muffler      |                                        |
| Fire extinguisher              |                                        |
| Rear working light             |                                        |
| Air conditioner (certain type) |                                        |
| Travelling control system      |                                        |



**HELI** 安徽合力股份有限公司  
ANHUI HELI CO., LTD.

ADD: NO. 668 Fangxing Street, Economical Development Zone, Hefei, P.R. China  
TEL: (86 551) 63639068 (America); 63639258 (Europe);  
63639358 (Asia); 63662105 (Africa & Middle East);  
63639530 (Warehouse Equipment); 63639531 (Wheel loader)  
FAX: (86 551) 63639966  
WEBSITE: <http://www.helichina.net>

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# 2-3.5t

## H3 series Internal Combustion Counterbalanced Forklift Truck



**H3 series** | HIGH EFFICIENCY  
ENERGY SAVING

**HELI**  
LIFTING THE FUTURE

**25 YEARS** TOP1 FORKLIFT MANUFACTURER AND SELLER  
IN CHINA FOR CONSECUTIVE 25 YEARS



# 2-3.5t H3 series Internal Combustion Counterbalanced Forklift Truck



## Improved performance, *superior quality*



### ↓ Vibration 20% reduced

### ↓ Noise 3dB reduced

- Cushion connection and wholly suspension driver's cab absorb whole truck's vibration effectively.
- Noise around ear is reduced through down the tilting cylinder under the floor board and using fully closed patch type driver's cab.
- Lower damping device inside the lifting system reduces mast shock and vibration, avoiding crash noise caused by goods falling to the ground.

### ↑ Workspace 45% increased

- Space around foot is effectively increased through up steering unit and using suspension type inching.
- The operation space is enlarged by heightened overhead guard and using large arc shape of the overhead guard's front leg
- Semi-suspension seat, steering wheel with small diameter, electro-hydraulic direction changing and automobile type double joystick combined switch effectively improve driving comfort.

### ↑ Operator's view 20% improved

- Operator's front view is improved through the assembling of stand wide view mast and lowering the dashboard.
- Operator's rear view improved through the CAE optimal designed counterweight.



### ↑ Working efficiency 20% improved

- Small turning radius makes steering flexible and easy.
- The truck has fast lifting speed, good gradeability and high efficiency.
- High working efficiency guarantees the truck could meet the requirements for various kinds of complicated work condition perfectly wherever at port, dock and railway station.

### ↑ Loading capacity increased over 5%

### ↑ Stability 5% improved

### ↑ Reliability 40% improved

- The hot air reflow isolating device, optimal thermal dissipation duct and aluminum plate-fin type radiator improve cooling ability and ensure engine work reliability.
- Automobile type oil filling cap and optimal oil filling channel structure and process ensure whole truck's safety.
- The constant displacement pump load sensing steering system increases the lifting speed and reduces the hydraulic oil temperature.
- The optimal design of key parts like frame, mast, overhead guard and steering axle improve the whole truck's safety and reliability.
- The retroposition of whole truck's gravity center improve loading capacity, stability and safety.

### ↑ Engine hood open angle increased to 80°

- Enlarged internal space is convenient for engine and transmission box maintenance.
- Increased hood open angle contributes to quick and convenient maintenance.



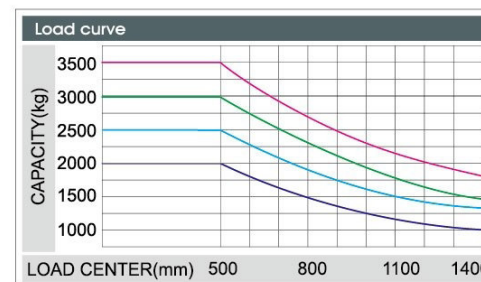
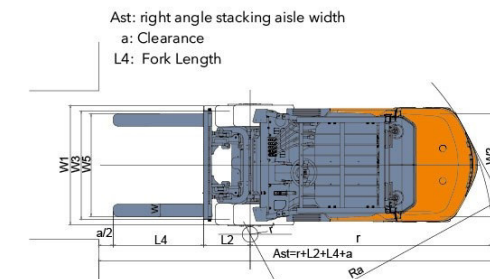
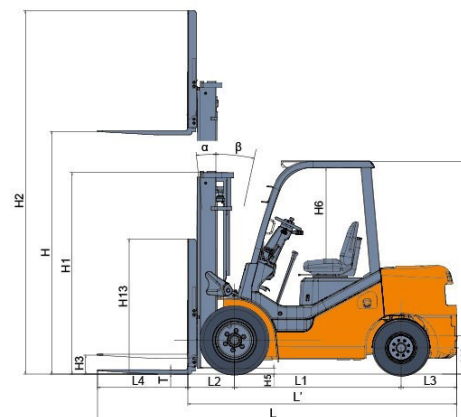


# 2-3.5t H3 series Internal Combustion Counterbalanced Forklift Truck



## Manufacturer and technical parameters

| Character      |                                                              |         |    | HELI                                  |                                       |                                       |                                       |
|----------------|--------------------------------------------------------------|---------|----|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|
| 1.01           | Manufacturer                                                 |         |    |                                       |                                       |                                       |                                       |
| 1.02           | Model                                                        |         |    | CPC20 / CPCD20 / CP(Q)Y20 / CP(Q)YD20 | CPC25 / CPCD25 / CP(Q)Y25 / CP(Q)YD25 | CPC30 / CPCD30 / CP(Q)Y30 / CP(Q)YD30 | CPC35 / CPCD35 / CP(Q)Y35 / CP(Q)YD35 |
| 1.03           | Rated capacity                                               |         | kg | 2000                                  | 2500                                  | 3000                                  | 3500                                  |
| 1.04           | Load center                                                  |         | mm | 500                                   |                                       |                                       |                                       |
| 1.05           | Operation mode                                               |         |    | Seat-type                             |                                       |                                       |                                       |
| Size           |                                                              |         |    |                                       |                                       |                                       |                                       |
| 2.01           | Max.lifting height                                           | H       | mm | 3000                                  | 3000                                  | 3000                                  | 3000                                  |
| 2.02           | Mast overall height(Fork to the ground and mast be vertical) | H1      | mm | 2000                                  | 2000                                  | 2065                                  | 2180                                  |
| 2.03           | Max.fork lifting height(With backrest)                       | H2      | mm | 4030                                  | 4030                                  | 4245                                  | 4235                                  |
| 2.04           | Free lift height                                             | H3      | mm | 165                                   | 165                                   | 160                                   | 170                                   |
| 2.05           | Overall height(Overhead guard)                               | H4      | mm | 2150                                  | 2150                                  | 2170                                  | 2170                                  |
| 2.06           | Min.ground clearance(At the mast)                            | H5      | mm | 115                                   | 115                                   | 135                                   | 135                                   |
| 2.07           | Distance from the surface of the seat to the overahead guard | H6      | mm | 1030                                  | 1030                                  | 1030                                  | 1030                                  |
| 2.08           | Traction pin height                                          | H9      | mm | 275                                   | 275                                   | 280                                   | 280                                   |
| 2.09           | Backrest height(Calculated from the surface of the fork)     | H13     | mm | 1000                                  | 1000                                  | 1227                                  | 1222                                  |
| 2.10           | Overall length(With fork/Without fork)                       | (L/L')  | mm | 3500/2580                             | 3708/2638                             | 3818/2748                             | 3836/2766                             |
| 2.11           | Wheel base                                                   | L1      | mm | 1650                                  | 1650                                  | 1700                                  | 1700                                  |
| 2.12           | Front overhang                                               | L2      | mm | 473                                   | 473                                   | 478                                   | 496                                   |
| 2.13           | Rear overhang                                                | L3      | mm | 457                                   | 515                                   | 570                                   | 570                                   |
| 2.14           | Overall width                                                | W1      | mm | 1150                                  | 1150                                  | 1225                                  | 1225                                  |
| 2.15           | Tread (Front tread/Rear tread)                               | (W3/W2) | mm | 970/970                               | 970/970                               | 1000/970                              | 1000/970                              |
| 2.16           | Fork adjustable range(the external of the fork)(Max./Min.)   | W5      | mm | 1030/244                              | 1030/244                              | 1060/250                              | 1060/250                              |
| 2.17           | Min.turning radius(Exterior)                                 | r       | mm | 2170                                  | 2240                                  | 2400                                  | 2420                                  |
| 2.18           | Min.turning radius(Interior)                                 | r'      | mm | 180                                   | 180                                   | 200                                   | 200                                   |
| 2.19           | Min.right angle stacking aisle width                         | Ra      | mm | 2200                                  | 2280                                  | 2380                                  | 2400                                  |
| 2.20           | Mast tilting angle                                           | α / β   | %  | 6°/12°                                | 6°/12°                                | 6°/12°                                | 6°/12°                                |
| 2.21           | Fork size                                                    | L4×W×T  | mm | 920×122×40                            | 1070×122×40                           | 1070×125×45                           | 1070×125×50                           |
| Weight         |                                                              |         |    |                                       |                                       |                                       |                                       |
| 3.01           | Total weight                                                 |         | kg | 3420                                  | 3800                                  | 4370                                  | 4800                                  |
| 3.02           | Weight distribution loaded (Front/Rear)                      |         | kg | 4770/650                              | 5480/820                              | 6460/910                              | 7470/830                              |
| 3.03           | Weight distribution unloaded (Front/Rear)                    |         | kg | 1600/1820                             | 1560/2240                             | 1710/2660                             | 1880/2920                             |
| Wheel and tyre |                                                              |         |    |                                       |                                       |                                       |                                       |
| 4.01           | Wheel number x = drive wheel (Front/Rear)                    |         |    | 2X/2                                  |                                       |                                       |                                       |
| 4.02           | Tyre type(Front/Rear)                                        |         |    | Pneumatic tyre                        |                                       |                                       |                                       |
| 4.03           | Tyre size(Front/Rear)                                        |         |    | 7.00-12-12PR/<br>6.00-9-10PR          | 7.00-12-12PR/<br>6.00-9-10PR          | 28×9-15-12PR/<br>6.50-10-10PR         | 28×9-15-14PR/<br>6.50-10-10PR         |
| 4.04           | Service brake                                                |         |    | Hydraulic-Foot Pedal                  |                                       |                                       |                                       |
| 4.05           | Parking brake                                                |         |    | Mechanical-Hand Lever                 |                                       |                                       |                                       |



CPC20 / CPCD20 / CP(Q)Y20 / CP(Q)YD20  
CPC25 / CPCD25 / CP(Q)Y25 / CP(Q)YD25  
CPC30 / CPCD30 / CP(Q)Y30 / CP(Q)YD30  
CPC35 / CPCD35 / CP(Q)Y35 / CP(Q)YD35

**Note:** The vertical axis stands for load capacity and the horizontal axis stands for load center which is calculated from the front of the fork. The base point of the standard load refers to the center position of the cube with 1000mm length of side. When mast is tilted forward, nonstandard fork usage or load with over wide goods, load capacity will be reduced. Different load capacity in different load center can be known in time through load chart.

| WIDE VIEW MAST |                          |                                       |                                       |                                       |                                       |                                          |      |      |                                       |                                       |                                       |
|----------------|--------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|------------------------------------------|------|------|---------------------------------------|---------------------------------------|---------------------------------------|
| Mast model     | Max. lifting height (mm) | Load capacity (load center 500mm)     |                                       |                                       |                                       | Mast overall height (fork to the ground) |      |      | Service weight                        |                                       |                                       |
|                |                          | CP(Q)Y20 / CP(Q)YD20 / CPC20 / CPCD20 | CP(Q)Y25 / CP(Q)YD25 / CPC25 / CPCD25 | CP(Q)Y30 / CP(Q)YD30 / CPC30 / CPCD30 | CP(Q)Y35 / CP(Q)YD35 / CPC35 / CPCD35 | 2-2.5t                                   | 3t   | 3.5t | CP(Q)Y20 / CP(Q)YD20 / CPC20 / CPCD20 | CP(Q)Y25 / CP(Q)YD25 / CPC25 / CPCD25 | CP(Q)Y30 / CP(Q)YD30 / CPC30 / CPCD30 |
| M200           | 2000                     | 2000                                  | 2500                                  | 3000                                  | 3500                                  | 1500                                     | 1570 | 1680 | 3340                                  | 3720                                  | 4280                                  |
| M250           | 2500                     | 2000                                  | 2500                                  | 3000                                  | 3500                                  | 1750                                     | 1820 | 1930 | 3385                                  | 3765                                  | 4335                                  |
| M300           | 3000                     | 2000                                  | 2500                                  | 3000                                  | 3500                                  | 2000                                     | 2070 | 2180 | 3420                                  | 3800                                  | 4370                                  |
| M330           | 3300                     | 2000                                  | 2500                                  | 3000                                  | 3500                                  | 2150                                     | 2220 | 2330 | 3460                                  | 3840                                  | 4395                                  |
| M350           | 3500                     | 2000                                  | 2500                                  | 3000                                  | 3500                                  | 2250                                     | 2320 | 2430 | 3480                                  | 3860                                  | 4420                                  |
| M370           | 3700                     | 2000                                  | 2500                                  | 3000                                  | 3500                                  | 2350                                     | 2420 | 2530 | 3500                                  | 3880                                  | 4430                                  |
| M400           | 4000                     | 2000                                  | 2500                                  | 3000                                  | 3500                                  | 2500                                     | 2570 | 2680 | 3565                                  | 3945                                  | 4490                                  |
| M425           | 4250                     | 2000                                  | 2500                                  | 3000                                  | 3500                                  | 2675                                     | 2745 | 2855 | 3590                                  | 3970                                  | 4510                                  |
| M450           | 4500                     | 2000                                  | 2500                                  | 3000                                  | 3500                                  | 2800                                     | 2870 | 2980 | 3615                                  | 3995                                  | 4535                                  |
| M500           | 5000                     | 2000                                  | 2500                                  | 3000                                  | 3500                                  | 3050                                     | 3120 | 3230 | 3655                                  | 4035                                  | 4575                                  |
| M550           | 5500                     | 2000                                  | 2500                                  | 3000                                  | 3500                                  | 3350                                     | 3420 | 3530 | 3740                                  | 4120                                  | 4745                                  |
| M600           | 6000                     | 2000                                  | 2500                                  | 3000                                  | 3500                                  | 3600                                     | 3670 | 3780 | 3785                                  | 4165                                  | 4795                                  |

Note: (1) \*stands for the rated capacity when the front tyre is double-tyre.  
(2) When the front tyre of the 2-3.5t truck is double tyre, the service weight of the truck is the weight in the table plus 110kg.

| Performance                                       |        |               |         |         |           |         |         |                                           |         |          |           |          |           |                 |           |          |           |
|---------------------------------------------------|--------|---------------|---------|---------|-----------|---------|---------|-------------------------------------------|---------|----------|-----------|----------|-----------|-----------------|-----------|----------|-----------|
| Model                                             |        | CPC20         | CPCD20  | CPC25   | CPCD25    | CPC30   | CPCD30  | CPC35                                     | CPCD35  | CP(Q)Y20 | CP(Q)YD20 | CP(Q)Y25 | CP(Q)YD25 | CP(Q)Y30        | CP(Q)YD30 | CP(Q)Y35 | CP(Q)YD35 |
| Max.drawbar pull (Loaded/Unloaded)                | kN     | 12.5/8.5      | 16/11.5 | 15/8.5  | 16.5/11.5 | 17/14.5 | 19/14.5 | 18/14.5                                   | 21/14.5 | 15/10.5  | 16/10.5   | 15/10.5  | 16.5/10.5 | 17/13.5         | 18/13.5   | 18/13.5  | 20/13.5   |
| Max.Gradeability (Loaded/Unloaded)                | %      | 15/20         | 20/20   | 15/20   | 20/20     | 17/20   | 23/20   | 15/20                                     | 21/20   | 15/20    | 20/20     | 15/20    | 20/20     | 17/20           | 23/20     | 15/20    | 21/20     |
| Max.traveling speed (Loaded/Unloaded)             | km/h   | 17/19         |         | 17/19   |           | 19/20   |         | 19/19                                     |         | 17/19    |           | 17/19    |           | 19/20           |           | 19/20    |           |
| Lifting Speed (Loaded/Unloaded)                   | mm/s   | 560/600       |         | 560/600 |           | 500/550 |         | 400/420                                   |         | 520/570  |           | 520/570  |           | 420/480         |           | 370/410  |           |
| Lowing Speed (Loaded/Unloaded)                    | mm/s   | 450/500       |         | 450/500 |           | 450/550 |         | 350/400                                   |         | 450/500  |           | 450/500  |           | 450/550         |           | 350/400  |           |
| Drive and transmission control device             |        |               |         |         |           |         |         |                                           |         |          |           |          |           |                 |           |          |           |
| Engine mode                                       |        | ISUZU C240PKJ |         |         |           |         |         | ISUZU 4JG2                                |         |          |           |          |           | GCT K25         |           |          |           |
| Engine rated power                                | kW/rpm | 35.4/2500     |         |         |           |         |         | 44.9/2450                                 |         |          |           |          |           | 37.4/2400       |           |          |           |
| Engine rated torque                               | Nm/rpm | 139.9/1800    |         |         |           |         |         | 184.7/1600-1800                           |         |          |           |          |           | 176.5/1600      |           |          |           |
| Engine cylinder number-borexstroke                |        | 4-86×102      |         |         |           |         |         | 4-95.4×107                                |         |          |           |          |           | 4-89×100        |           |          |           |
| Engine displacement                               | L      | 2.369         |         |         |           |         |         | 3.05                                      |         |          |           |          |           | 2.488           |           |          |           |
| Engine type                                       |        | Diesel        |         |         |           |         |         |                                           |         |          |           |          |           | Gasoline or LPG |           |          |           |
| Emission                                          |        | Euro IIIA     |         |         |           |         |         | CHINA STAGE II                            |         |          |           |          |           |                 |           |          |           |
| Battery(Voltage/Capacity)                         | V/Ah   | 12/80         |         |         |           |         |         | 60                                        |         |          |           |          |           | 12/60           |           |          |           |
| Engine fuel tank capacity                         | L      |               |         |         |           |         |         |                                           |         |          |           |          |           |                 |           |          |           |
| Transmission box shifting gears (Front/Rear type) |        |               |         |         |           |         |         | 1-1Power Shift T/M / 2-2 Manual Shift T/M |         |          |           |          |           |                 |           |          |           |

| Engine Model and Main Specification for Option |                                      |                                      |                         |                        |                               |                 |                    |
|------------------------------------------------|--------------------------------------|--------------------------------------|-------------------------|------------------------|-------------------------------|-----------------|--------------------|
| Engine model                                   | Rated power/ rotating speed (Kw/rpm) | Rated power/ rotating speed (Nm/rpm) | Engine displacement (L) | Engine cylinder number | Cylinder number - Bore×Stroke | Engine type     | Emission           |
| JMC HJ493                                      | 39/2500                              | 165/1800                             | 2.771                   | 4                      | 4-93×102                      | Diesel          | CHINA STAGE II     |
| DACHAI CA498                                   | 45/2500                              | 170~180/1600~1800                    | 3.168                   | 4                      | 4-98×105                      | Diesel          | CHINA STAGE II     |
| GCT K21                                        | 31.5/2200                            | 140/1600                             | 2.065                   | 4                      | 4-89×83                       | Gasoline or LPG |                    |
| Cummins Q5F2.8                                 | 36.5/2500                            | 180/800~1800                         | 2.8                     | 4                      | 4-94×100                      | Diesel          | Euro IIIA          |
| ISUZU 4JG2                                     | 35/2450                              | 170/1700                             | 3.059                   | 4                      | 4-95.4×107                    | Diesel          | Euro IIIA          |
| JMC HJ 493G43                                  | 36.8/2500                            | 156/1800                             | 2.771                   | 4                      | 4-93×102                      | Diesel          | Euro IIIA          |
| KUBOTA V2403                                   | 34.1/2400                            | 155.9/1600                           | 2.434                   | 4                      | 4-87 ×102.4                   | Diesel          | Euro IIIA/ EPA T4I |

| WIDE VIEW FULL FREE 2-STAGE MAST |                          |                                   |                        |                        |                        |  |                                         |      |      |                                     |      |      |                        |                        |                        |                        |                            |
|----------------------------------|--------------------------|-----------------------------------|------------------------|------------------------|------------------------|--|-----------------------------------------|------|------|-------------------------------------|------|------|------------------------|------------------------|------------------------|------------------------|----------------------------|
| Mast model                       | Max. lifting height (mm) | Load capacity (load center 500mm) |                        |                        |                        |  | Mast overall height(fork to the ground) |      |      | Free lifting height (with backrest) |      |      | Service weight         |                        |                        |                        | Mast tilting angle (°) α/β |
|                                  |                          | CPQW120/CPQW120/CPCD20            | CPQW125/CPQW125/CPCD25 | CPQW130/CPQW130/CPCD30 | CPQW135/CPQW135/CPCD35 |  | 2-2.5t                                  | 3t   | 3.5t | 2-2.5t                              | 3t   | 3.5t | CPQW120/CPQW120/CPCD20 | CPQW125/CPQW125/CPCD25 | CPQW130/CPQW130/CPCD30 | CPQW135/CPQW135/CPCD35 |                            |
| ZM200                            | 2000                     | 2000                              | 2500                   | 3000                   | 3500                   |  | 1495                                    | 1570 | 1680 | 495                                 | 340  | 460  | 3470                   | 3850                   | 4330                   | 4770                   | 6-12                       |
| ZM250                            | 2500                     | 2000                              | 2500                   | 3000                   | 3500                   |  | 1745                                    | 1820 | 1930 | 745                                 | 590  | 710  | 3515                   | 3895                   | 4370                   | 4820                   | 6-12                       |
| ZM300                            | 3000                     | 2000                              | 2500                   | 3000                   | 3500                   |  | 1995                                    | 2070 | 2180 | 995                                 | 840  | 960  | 3565                   | 3945                   | 4420                   | 4870                   | 6-12                       |
| ZM330                            | 3300                     | 2000                              | 2500                   | 3000                   | 3500                   |  | 2145                                    | 2220 | 2330 | 1145                                | 990  | 1100 | 3595                   | 3975                   | 4445                   | 4895                   | 6-12                       |
| ZM350                            | 3500                     | 2000                              | 2500                   | 3000                   | 3500                   |  | 2245                                    | 2320 | 2430 | 1245                                | 1090 | 1210 | 3615                   | 3995                   | 4465                   | 4915                   | +6-12                      |
| ZM370                            | 3700                     | 2000                              | 2500                   | 3000                   | 3500                   |  | 2345                                    | 2420 | 2530 | 1370                                | 1205 | 1310 | 3635                   | 4015                   | 4480                   | 4935                   | +6-12                      |
| ZM400                            | 4000                     | 2000                              | 2500                   | 3000                   | 3500                   |  | 2545                                    | 2620 | 2730 | 1545                                | 1390 | 1510 | 3705                   | 4085                   | 4550                   | 5000                   | +6-12                      |
| ZM425                            | 4250                     | +2000                             | +2500                  | +3000                  | +3500                  |  | 2670                                    | 2745 | 2855 | 1670                                | 1515 | 1635 | 3730                   | 4110                   | 4575                   | 5025                   | +6-12                      |
| ZM450                            | 4500                     | +1800                             | +2100                  | +2750                  | +3000                  |  | 2795                                    | 2870 | 2980 | 1795                                | 1640 | 1760 | 3755                   | 4135                   | 4595                   | 5050                   | +6-12                      |
| ZM500                            | 5000                     | +1600                             | +1650                  | +2400                  | +2500                  |  | 3045                                    | 3120 | 3230 | 2045                                | 1910 | 2010 | 3805                   | 4185                   | 4640                   | 5100                   | *3-6                       |
| ZM550                            | 5500                     | +1700                             | +2200                  | +2850                  | +2850                  |  | 3345                                    | 3420 | 3530 | 2345                                | 2190 | 2310 | 3890                   | 4270                   | 4830                   | 5295                   | *3-6                       |
| ZM600                            | 6000                     | +1500                             | +1800                  | +2200                  | +2300                  |  | 3595                                    | 3670 | 3780 | 2595                                | 2440 | 2560 | 3935                   | 4315                   | 4875                   | 5350                   | *3-6                       |

Note:(1)\*stands for the rated capacity when the front tyre is double-tyre.

(2)When the front tyre of the 2-3.5t truck is double tyre, the service weight of the truck is the weight in the table plus 110kg.

(3)The free lifting height (without backrest) of the 1-1.8t truck is the height (with backrest) in the table plus 431mm. The free lifting height (without backrest) of the 2-2.5t truck is the height (with backrest) in the table plus 459mm. The free lifting height (without backrest) of the 3t truck is the height (with backrest) in the table plus 588mm. The free lifting height (without backrest) of the 3.5t truck is the height (with backrest) in the table plus 523mm.

| 三级全自由门架 WIDE VIEW FULL FREE 3-STAGE MAST |                          |                                   |                        |                        |                        |  |                                          |      |      |                                     |      |      |                        |                        |                        |                        |                            |
|------------------------------------------|--------------------------|-----------------------------------|------------------------|------------------------|------------------------|--|------------------------------------------|------|------|-------------------------------------|------|------|------------------------|------------------------|------------------------|------------------------|----------------------------|
| Mast model                               | Max. lifting height (mm) | Load capacity (load center 500mm) |                        |                        |                        |  | Mast overall height (fork to the ground) |      |      | Free lifting height (with backrest) |      |      | Service weight         |                        |                        |                        | Mast tilting angle (°) α/β |
|                                          |                          | CPQW120/CPQW120/CPCD20            | CPQW125/CPQW125/CPCD25 | CPQW130/CPQW130/CPCD30 | CPQW135/CPQW135/CPCD35 |  | 2-2.5t                                   | 3t   | 3.5t | 2-2.5t                              | 3t   | 3.5t | CPQW120/CPQW120/CPCD20 | CPQW125/CPQW125/CPCD25 | CPQW130/CPQW130/CPCD30 | CPQW135/CPQW135/CPCD35 |                            |
| ZSM360                                   | 3600                     | 2000                              | 2400                   | 2900                   | 3300                   |  | 1795                                     | 1946 | 1946 | 795                                 | 705  | 710  | 3715                   | 4095                   | 4610                   | 4925                   | 6-6                        |
| ZSM400                                   | 4000                     | 1900                              | 2400                   | 2900                   | 3300                   |  | 1920                                     | 2065 | 2065 | 920                                 | 830  | 835  | 3745                   | 4125                   | 4640                   | 4955                   | 6-6                        |
| ZSM435                                   | 4350                     | +1850                             | +2200                  | +2800                  | +2900                  |  | 2045                                     | 2190 | 2190 | 1045                                | 955  | 960  | 3775                   | 4155                   | 4665                   | 4980                   | 6-6                        |
| ZSM450                                   | 4500                     | +1750                             | +2150                  | +2700                  | +2800                  |  | 2095                                     | 2240 | 2240 | 1095                                | 1005 | 1010 | 3785                   | 4165                   | 4680                   | 4995                   | 6-6                        |
| ZSM470                                   | 4700                     | +1800                             | +2300                  | +2900                  | +3000                  |  | 2160                                     | 2240 | 2240 | 1160                                | 1005 | 1010 | 3800                   | 4180                   | 4700                   | 5015                   | 6-6                        |
| ZSM480                                   | 4800                     | +1700                             | +2150                  | +2500                  | +2600                  |  | 2195                                     | 2340 | 2340 | 1195                                | 1105 | 1110 | 3805                   | 4185                   | 4720                   | 5025                   | 6-6                        |
| ZSM500                                   | 5000                     | +1600                             | +1650                  | +2400                  | +2450                  |  | 2295                                     | 2440 | 2440 | 1295                                | 1205 | 1210 | 3830                   | 4210                   | 4745                   | 5060                   | 6-6                        |
| ZSM540                                   | 5400                     | +1450                             | +1500                  | +2250                  | +2300                  |  | 2420                                     | 2565 | 2565 | 1420                                | 1330 | 1335 | 3860                   | 4240                   | 4775                   | 5090                   | 6-6                        |
| ZSM600                                   | 6000                     | +1700                             | +1750                  | +2550                  | +2700                  |  | 2645                                     | 2790 | 2790 | 1645                                | 1555 | 1560 | 3940                   | 4320                   | 4865                   | 5180                   | 6-6                        |

Note:(1)\*stands for the rated capacity when the front tyre is double-tyre.

(2)When the front tyre of the 2-3.5t truck is double tyre, the service weight of the truck is the weight in the table plus 110kg.

(3)The free lifting height (without backrest) of the 1-1.8t truck is the height (with backrest) in the table plus 496mm. The free lifting height (without backrest) of the 2-2.5t truck is the height (with backrest) in the table plus 453mm. The free lifting height (without backrest) of the 3t truck is the height (with backrest) in the table plus 582mm. The free lifting height (without backrest) of the 3.5t truck is the height (with backrest) in the table plus 487mm.