

| Mast parameters | | | | | | | | | |
|----------------------------------|------------|--------------------------|--|------------------|-------------------------------|----------------------------------|--|---------------------|-------------------------------------|
| Mast type | Mast model | Max. lifting height (mm) | Load capacity (load center 500mm) (Kg) | Mast height (mm) | | | Free lifting height (with backrest) (mm) | Service weight (kg) | Mast tilting angle F/R (α/β) (deg.) |
| | | | | Fork lowered | Fork extended (with backrest) | Fork extended (without backrest) | | | |
| Wide View Standard Mast | M220 | 2200 | 5000 | 2285 | 3567 | 3542 | 160 | 8896 | 15°/15° |
| | M250 | 2500 | 5000 | 2435 | 3867 | 3842 | 160 | 8934 | 15°/15° |
| | M270 | 2700 | 5000 | 2535 | 4067 | 4042 | 160 | 8961 | 15°/15° |
| | M300 | 3000 | 5000 | 2685 | 4367 | 4342 | 160 | 9000 | 15°/15° |
| | M330 | 3300 | 5000 | 2835 | 4667 | 4642 | 160 | 9039 | 15°/15° |
| | M350 | 3500 | 5000 | 2935 | 4867 | 4842 | 160 | 9065 | 15°/15° |
| | M375 | 3750 | 5000 | 3060 | 5117 | 5092 | 160 | 9098 | 15°/15° |
| | M400 | 4000 | 5000 | 3235 | 5367 | 5342 | 160 | 9231 | 15°/15° |
| | M425 | 4250 | 5000 | 3360 | 5617 | 5592 | 160 | 9263 | 15°/15° |
| | M450 | 4500 | 5000 | 3485 | 5867 | 5842 | 160 | 9296 | 15°/15° |
| | M475 | 4750 | 5000 | 3610 | 6117 | 6092 | 160 | 9329 | 15°/10° |
| | M500 | 5000 | 5000 | 3735 | 6367 | 6342 | 160 | 9362 | 15°/10° |
| | M550 | 5500 | 4750 | 4035 | 6867 | 6842 | 160 | 9526 | 15°/10° |
| | M600 | 6000 | 4400 | 4285 | 7367 | 7342 | 160 | 9592 | 15°/10° |
| Wide View Full Free 2-Stage Mast | ZM220 | 2200 | 5000 | 2285 | 3567 | 3577 | 858 | 8946 | 15°/15° |
| | ZM250 | 2500 | 5000 | 2435 | 3867 | 3877 | 1008 | 8984 | 15°/15° |
| | ZM270 | 2700 | 5000 | 2535 | 4067 | 4077 | 1108 | 9011 | 15°/15° |
| | ZM300 | 3000 | 5000 | 2685 | 4367 | 4377 | 1258 | 9050 | 15°/15° |
| | ZM330 | 3300 | 5000 | 2835 | 4667 | 4677 | 1408 | 9089 | 15°/15° |
| | ZM350 | 3500 | 5000 | 2935 | 4867 | 4877 | 1508 | 9115 | 15°/15° |
| | ZM375 | 3750 | 5000 | 3060 | 5117 | 5127 | 1633 | 9148 | 15°/15° |
| | ZM400 | 4000 | 5000 | 3235 | 5367 | 5377 | 1808 | 9281 | 15°/15° |
| | ZM425 | 4250 | 5000 | 3360 | 5617 | 5627 | 1933 | 9313 | 15°/15° |
| | ZM450 | 4500 | 5000 | 3485 | 5867 | 5877 | 2058 | 9346 | 15°/15° |
| | ZM475 | 4750 | 5000 | 3610 | 6117 | 6127 | 2183 | 9379 | 15°/10° |
| | ZM500 | 5000 | 5000 | 3735 | 6367 | 6377 | 2308 | 9412 | 15°/10° |
| Wide View Full Free 3-Stage Mast | ZSM360 | 3600 | 4500 | 2560 | 4967 | 4977 | 1133 | 9538 | 15°/10° |
| | ZSM400 | 4000 | 4500 | 2685 | 5367 | 5377 | 1258 | 9597 | 15°/10° |
| | ZSM435 | 4350 | 4500 | 2810 | 5717 | 5727 | 1383 | 9652 | 15°/10° |
| | ZSM450 | 4500 | 4500 | 2860 | 5867 | 5877 | 1433 | 9690 | 15°/10° |
| | ZSM480 | 4800 | 4500 | 2965 | 6167 | 6177 | 1538 | 9727 | 15°/10° |
| | ZSM500 | 5000 | 4500 | 3030 | 6367 | 6377 | 1603 | 9755 | 10°/10° |
| | ZSM540 | 5400 | 4200 | 3165 | 6767 | 6777 | 1738 | 9820 | 10°/10° |
| | ZSM550 | 5500 | 4100 | 3195 | 6867 | 6877 | 1768 | 9910 | 10°/10° |
| | ZSM600 | 6000 | 4000 | 3360 | 7367 | 7377 | 1933 | 10003 | 10°/10° |

5.0t

G3 series Internal Combustion Counterbalanced Rough Terrain Forklift Truck



Superior braking performance

- Dedicated wet-type drive axle**
 Reliable braking, maintenance free, easy to handle various complex road conditions.
- Dedicated steering drive axle**
 The truck has higher safety and stability, and is suitable for operations in mountainous areas, mining areas, and other areas with poor road environment.
- Dedicated gearbox**
 Multi speed flexible-connected gearbox, balancing efficiency and performance.
- Central parking brake**
 Low operating force, strong braking force.



5.0t
 G3 series
 Internal Combustion
 Counterbalanced
 Rough Terrain Forklift Truck

Safe, reliable, and convenient maintenance



Ratchet type hand brake is reliable and has low operating force.



Front 3 and rear 1 electro-hydraulic reversing is convenient and reliable.



Equipped with two wheel drive/four wheel drive switching function, two wheel drive and four wheel drive can be switched at any time. It is convenient.



New LCD instrument with clear information display at a glance.



The hood has a large opening angle, greatly improving maintenance space.



Equipped with intake cap as standard, the intake method is more scientific and reliable.



Equipped with high exhaust as standard, which is humanized design, anti water spray and thermal insulation.



The oil filler is equipped with a lock, which is safe and reliable.



Anti slip boarding pedal is more beautiful and practical.

HELI

Manufacturer and Technical Data

| Characteristics | | | | | |
|-------------------|--|----------------|------------|------------------------------|--|
| 1.01 | Manufacturer | | | HELI | |
| 1.02 | Model | | | CPCD50-CU1Y4G3 | |
| 1.03 | Rated capacity | kg | | 5000 | |
| 1.04 | Load center distance | mm | | 600 | |
| 1.05 | Power mode | | | Diesel | |
| 1.06 | Driving mode | | | Seat-type | |
| Weight | | | | | |
| 2.01 | Total weight | kg | | 9000 | |
| Wheels and tyres | | | | | |
| 3.01 | Tyre type | | | Tubeless | |
| 3.02 | Wheels,number front/rear (x=driven wheels) | | | 2x/2 | |
| 3.03 | Tyre size,front | | | 445/65-22.5TL | |
| 3.04 | Tyre size,rear | | | 12.5/80-18TL | |
| Dimensions | | | | | |
| 4.01 | Lifting height (standard) | H | mm | 3000 | |
| 4.02 | Height (mast lowered) | H1 | mm | 2685 | |
| 4.03 | Max. Lifting height, mast extended (with backrest) | H2 | mm | 4367 | |
| 4.04 | Free lifting height | H3 | mm | 160 | |
| 4.05 | Overall height (overhead guard) | H4 | mm | 2550 | |
| 4.06 | Min.Ground clearance (between mast) | H5 | mm | 385 | |
| 4.07 | Height of backrest(from the fork surface) | H13 | mm | 1370 | |
| 4.08 | Overall length (with/without fork) | L/L' | mm | 4960/3740 | |
| 4.09 | Wheelbase(F/R) | L1 | mm | 2300 | |
| 4.10 | Front overhang | L2 | mm | 735 | |
| 4.11 | Rear overhang | L3 | mm | 720 | |
| 4.12 | Overall width | W1 | mm | 2130 | |
| 4.13 | Tread(front/rear) | W3 | mm | 1700/1800 | |
| 4.14 | Fork adjustment range (max./min. outside distance of fork) | W5 | mm | 2000/300 | |
| 4.15 | Min. Turning radius | r | mm | 4560 | |
| 4.16 | Mast tilt angle (F/R) | α/β | $^{\circ}$ | 15 $^{\circ}$ /15 $^{\circ}$ | |
| 4.17 | Fork size:thickness x width x length | TxWxL4 | mm | 55x150x1220 | |
| 4.18 | Min.Right angle stacking aisle width for pallet | Ra | mm | 5500 | |
| Performance Data | | | | | |
| 5.01 | Travelling speed ,laden/unladen | | km/h | 30/32 | |
| 5.02 | Lifting speed ,laden/unladen | | mm/s | 480/520 | |
| 5.03 | Lowering speed ,laden/unladen | | mm/s | 370/350 | |
| 5.04 | Max. drawbar pull,laden | | kN | 123 | |
| 5.05 | Max. gradeability,laden | | % | 65 | |
| Transmission | | | | | |
| 6.01 | Transmission gears (front/rear) | | | 3-1 Power shifting M/T | |
| Combustion-engine | | | | | |
| 7.01 | Engine manufacturer/Model | | | CUMMINS F3.8 | |
| 7.02 | Rated power/Speed | | kW/rpm | 90/2200 | |
| 7.03 | Max. torque/Speed | | Nm/rpm | 500/1500 | |
| 7.04 | Cylinder number-bore x stroke Engine displacement | | /L | 4-102x115/3.8 | |
| 7.05 | Emission | | | Euro V | |

