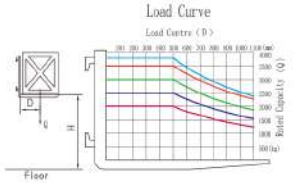
## Configuration Option Sheet

5 Series 2-3.8t

| | | | | | |
|---|---|---|---|---|---|
| Configuration | Hydraulic Gearbox | Mechanical Reversing | Overhead Guard | Roof Weather Canopy | Pedal Rubber |
| | Safety seat | Wide view mast (2 Stage) | Fork Carriage | Backrest | Standard Forks |
| | Adjustable Steering Column | Lift, Tilt, Levers | Two-piece Multiplex Valve | Fully-hydraulic Power Steering | Warning Light |
| | Tilting Cylinder Latching Valve | Multi Function Display | Working Hour Meter | Oil Content Meter | Water-thermometer |
| | Charging Indicator | Neutral Position Switch | Oil Pressure Warning | Electric Horn | Full Set of LED Lights |
| | Reversing Buzzer | Wide Angle Backup Mirror | Traction Pin | Tool Box | |
| Optional | Mechanical Gearbox | Electric Reversing(Some models) | Solid Tyres | Cabin | Suspension Seat |
| | Cold A/C | Heater | Front Windscreen | High Level Exhaust | Double Air Filter |
| | Oil Bath Air Filter(Some models) | Full Set OPS(Including drive and lift) | Fire Extinguishing Muffler | Double Row of Wheels | Reversing Voice Horn |
| | Electric Fan | Sound-light Alarm | Rear Working Light | Widen Fork Carriage | Fork Extensions |
| | Tilt cylinder protection | Steering cylinder protection | Custom Colours | Multiple Hydraulic Attachments | Transparent Roof Cover |

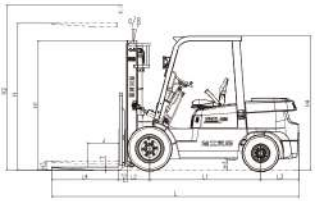
## Load Curve

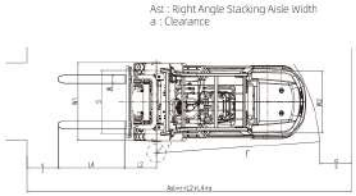



3.8t
3.5t
3.0t
2.5t
2.0t

Note: The vertical axis represents the rated lifting weight, and the horizontal axis represents the load center distance. The load center is calculated from the front of the fork, and the base point of the standard load refers to the center position of a cube with a load side length of 1000 mm. When the mast is tilted forward, non-standard forks are used, or loads exceeding the normal width are loaded, the load capacity will be reduced. Through the load curve chart, the carrying capacity of various load centers can be understood in time.

## Structure Diagram








**LONKING HOLDINGS LIMITED**

**LONKING (SHANGHAI) FORKLIFT SALES CO.,LTD.**

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GROS




# 2-3.8t

## 5 series Internal Combustion Counterbalance Forklift Truck




- New product, new appearance design scheme, the whole machine is tough, square and solid;
- The iron hood is designed to prevent water accumulation and is sturdy and durable;
- The rear pillar is widened to increase the air intake and extend the service life of the engine;
- The mast has a descending buffer function to prevent impact and vibration under load;
- The wide-view mast ensures that the driver has a clear forward view;
- The front and rear columns of the overhead guard are thickened to enhance impact resistance and make it safer;
- The ground clearance of the vehicle is increased and the passability is better;
- Standard National IV common rail engine, with large torque and good fuel economy;
- The fuel tank volume is enlarged to meet the requirements of all-weather high-intensity continuous operation.

## Product details and advantages



Advanced ergonomic design, small diameter steering wheel and ergonomically designed seats greatly reduce driving fatigue.



Equipped with CHN IV common rail engine, which is fuel-efficient and powerful.



The rear column is widened to increase the air intake and extend the service life of the engine.



PVC double-layer seats with base fabric are highly breathable, enhance leg and waist support, effectively reduce driver fatigue and improve the life of colleagues.



The newly designed directional column locking mechanism can easily adjust the front and rear swing angle of the column.




The ground clearance of the vehicle is increased and the passability is better.

## Overall Specifications

5 Series 2-3.8t

| | Character | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1.01 | Manufacturer | | | LONKING | | | | |
| 1.02 | Model | | | CPCD20-5X09 | CPCD25-5X09 | CPCD30-5X09 | CPCD35-5X09 | CPCD38-5X09 |
| 1.03 | Power type | | | Diesel | | | | |
| 1.04 | Rated capacity | Q | kg | 2000 | 2500 | 3000 | 3500 | 3800 |
| 1.05 | Load center | J | mm | 500 | 500 | 500 | 500 | 500 |
| | Dimensions | | | | | | | |
| 2.01 | Max. height (with backrest) | | mm | 4040 | 4040 | 4110 | 4110 | 4110 |
| 2.02 | STD Max lifing height | H1 | mm | 3000 | 3000 | 3000 | 3000 | 3000 |
| 2.03 | Overhead guard height | H4 | mm | 2100 | 2100 | 2120 | 2120 | 2120 |
| 2.04 | Overall length (with fork) | L1 | mm | 3760 | 3760 | 3895 | 3930 | 3965 |
| 2.05 | Wheelbase | L2 | mm | 1665 | 1665 | 1760 | 1760 | 1760 |
| 2.06 | Front overhang | L3 | mm | 470 | 470 | 485 | 490 | 490 |
| 2.07 | Rear overhang | L4 | mm | 555 | 555 | 580 | 610 | 645 |
| 2.08 | Min ground clearance (Chassis/Mast) | m1/m2 | mm | 150/110 | 150/110 | 160/140 | 160/140 | 160/140 |
| 2.09 | Overall width (outside) | W1 | mm | 1166 | 1166 | 1226 | 1226 | 1226 |
| 2.10 | Fork adjustment range | | mm | 243-1037 | 243-1037 | 252-1092 | 252-1092 | 252-1092 |
| 2.11 | Fork size(STD) | | mm | 1070×120×40 | | 1070×122×45 | 1070×122×50 | 1070×122×50 |
| 2.12 | Front wheel tread | S | mm | 970 | 970 | 1000 | 1000 | 1000 |
| 2.13 | Rear wheel tread | P | mm | 980 | 980 | 980 | 980 | 980 |
| 2.14 | Min turning radius(outside) | R1 | mm | 2420 | 2420 | 2600 | 2650 | 2700 |
| 2.15 | Min aisle widthfor pallet 1000x1200,crossways | | mm | 4160 | 4160 | 4355 | 4410 | 4460 |
| 2.16 | Min aisle width for pallet 800x1200.lengthways | | mm | 4290 | 4290 | 4485 | 4540 | 4590 |
| | Tyres | | | | | | | |
| 3.01 | Capital W (F/R, X=Driven wheels) | | | X=2/2 | | | | |
| 3.02 | Tyres type (F/R) | | | Pneumatic | | | | |
| 3.03 | Tyres size,front | | | 7.00-12-12PR | | 28×9-15-14PR | | |
| 3.04 | Tyres size,rear | | | 6.00-9-10PR | | 6.50-10-10PR | | |
| | Performance and other details | | | | | | | |
| 4.01 | Max. travelling speed,loaded/unloaded | | km/h | 18/20 | 18/20 | 18.5/20 | 18.5/20 | 18.5/20 |
| 4.02 | Lifting speed, loaded/unloaded | | mm/s | 540/560 | 540/560 | 460/500 | 370/400 | 370/400 |
| 4.03 | Lowering speed,loaded/unloaded | | mm/s | loadeds600/unloadeds300 | | | | |
| 4.04 | MAX.gradeability,loaded/unloaded | | % | 20 | 20 | 20 | 20 | 20 |
| 4.05 | Service weight(with oil & water) | | kg | 3600 | 3860 | 4200 | 4580 | 4760 |
| 4.06 | Axle load, F/R(loaded) | | kg | 5050/560 | 5750/610 | 6480/720 | 7270/810 | 7700/860 |
| 4.07 | Axle load, F/R(unloaded) | | kg | 1450/2150 | 1550/2310 | 1670/2530 | 1830/2750 | 1900/2860 |
| 4.08 | Service brake | | | Power brake -pedal | | | | |
| 4.09 | Parking brake | | | Mechanical-hand brake lever | | | | |
| 4.10 | Transmission type | | | Mechanical reversing hydraulic transmission | | | | |
| 4.11 | Fuel tanke capacity | | L | 60 | 60 | 70 | 70 | 70 |
| 4.12 | Battery (voltage/capacity) | | V/Ah | 12/80 | | | | |

## Engine Optional

5 Series 2-3.8t

Optional Engines

| Engine model | Displacement | Manufacturer | Rated power | Max. torque(Nm/rpm) | Bore/cylinder No./displaceme | Fuel concumprion | Applicable model |
|---|---|---|---|---|---|---|---|
| C490BPG-225 | CHN II | XINCHAI | 40kW/2200rpm | 156/1800 | 90mm/4/2.67L | 230g/kW.h | 2-3.8T |

## Mast Specifications

| Mast type | Mast model | h4 Max lifting height (mm) | Load capacity (J=500mm) (kg) | | | | | h3 Lowered Mast Height(mm) | | | h1 Free lifting Height (mm) | | | Mast tilting angle (°)a/β |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 2T | 2.5T | 3T | 3.5T | 3.8T | 2-2.5T | 3T | 3.5-3.8T | 2-2.5T | 3T | 3.5-3.8T | 2-3.8T |
| 2 Stage Standard Mast | M200 | 2000 | 2000 | 2500 | 3000 | 3500 | 3800 | 1525 | 1555 | 1670 | 140 | 145 | 150 | 6/12 |
| | M250 | 2500 | 2000 | 2500 | 3000 | 3500 | 3800 | 1775 | 1805 | 1920 | 140 | 145 | 150 | 6/12 |
| | M270 | 2700 | 2000 | 2500 | 3000 | 3500 | 3800 | 1875 | 1905 | 2020 | 140 | 145 | 150 | 6/12 |
| | M300 | 3000 | 2000 | 2500 | 3000 | 3500 | 3800 | 2025 | 2055 | 2170 | 140 | 145 | 150 | 6/12 |
| | M330 | 3300 | 2000 | 2500 | 3000 | 3500 | 3800 | 2175 | 2205 | 2320 | 140 | 145 | 150 | 6/12 |
| | M350 | 3500 | 2000 | 2500 | 3000 | 3500 | 3800 | 2275 | 2305 | 2420 | 140 | 145 | 150 | 6/12 |
| | M370 | 3700 | 2000 | 2500 | 3000 | 3500 | 3800 | 2375 | 2405 | 2520 | 140 | 145 | 150 | 6/12 |
| | M400 | 4000 | 2000 | 2500 | 2950 | 3200*3400 | 3600*3700 | 2575 | 2605 | 2720 | 140 | 145 | 150 | 6/8 |
| | M425 | 4250 | 1850*2000 | 2250*2500 | 2850*3000 | 3100*3300 | 3350*3600 | 2700 | 2730 | 2845 | 140 | 145 | 150 | 6/8 |
| | M450 | 4500 | 1600*1900 | 2100*2400 | 2600*2800 | 2900*3100 | 3100*3500 | 2825 | 2855 | 2970 | 140 | 145 | 150 | 6/8 |
| | M475 | 4750 | 1400*1800 | 1900*2200 | 2350*2600 | 2700*2900 | 2900*3300 | 2950 | 2980 | 3095 | 140 | 145 | 150 | 6/8 |
| | M500 | 5000 | 1300*1700 | 1600*1900 | 2100*2400 | 2400*2750 | 2700*3100 | 3075 | 3105 | 3220 | 140 | 145 | 150 | 6/8 |
| | M550 | 5500 | 1200*1500 | 1200*1700 | 2000*2400 | 2200*2400 | 2350*2700 | 3375 | 3405 | 3520 | 140 | 145 | 150 | 3/6 |
| | M600 | 6000 | 1000*1300 | 900*1400 | 1500*2000 | 1800*2200 | 1900*2350 | 3625 | 3655 | 3770 | 140 | 145 | 150 | 3/6 |
| | Note: * means capacity of double front wheels. | | | | | | | | | | | | | |
| 2 Stage Free Mast | ZM200 | 2000 | 2000 | 2500 | 3000 | 3500 | 3800 | 1525 | 1555 | 1670 | 910 | 860 | 895 | 6/12 |
| | ZM250 | 2500 | 2000 | 2500 | 3000 | 3500 | 3800 | 1775 | 1805 | 1920 | 1160 | 1110 | 1145 | 6/12 |
| | ZM270 | 2700 | 2000 | 2500 | 3000 | 3500 | 3800 | 1875 | 1905 | 2020 | 1260 | 1210 | 1245 | 6/12 |
| | ZM300 | 3000 | 2000 | 2500 | 3000 | 3500 | 3800 | 2025 | 2055 | 2170 | 1410 | 1360 | 1395 | 6/12 |
| | ZM330 | 3300 | 2000 | 2500 | 3000 | 3500 | 3800 | 2175 | 2205 | 2320 | 1560 | 1510 | 1545 | 6/12 |
| | ZM350 | 3500 | 2000 | 2500 | 3000 | 3500 | 3800 | 2275 | 2305 | 2420 | 1660 | 1610 | 1645 | 6/12 |
| | ZM370 | 3700 | 2000 | 2500 | 3000 | 3500 | 3650*3800 | 2375 | 2405 | 2520 | 1760 | 1710 | 1745 | 6/12 |
| | ZM400 | 4000 | 2000 | 2500 | 2850 | 3250*3500 | 3550*3700 | 2575 | 2605 | 2720 | 1960 | 1910 | 1945 | 6/8 |
| | ZM450 | 4500 | 1600*1900 | 2100*2400 | 2600*2800 | 2900*3100 | 3100*3500 | 2825 | 2855 | 2970 | 2210 | 2160 | 2195 | 6/8 |
| | Note: 2.5T free lifting height with backrest minus 395mm. 3T free lifting height with backrest minus 380mm. 3.5-3.8T free lifting height with backrest minus 295mm. | | | | | | | | | | | | | |
| | Note: * means capacity of double front wheels. | | | | | | | | | | | | | |
| 3 Stage Free Mast | ZSM360 | 3600 | 1900 | 2400 | 2900 | 3300 | 3700*3800 | 1840 | 1870 | | 1225 | 1090 | 1095 | 6/8 |
| | ZSM400 | 4000 | 1800*1900 | 2300 | 2800 | 3300 | 3500*3700 | 1975 | 2005 | | 1360 | 1225 | 1230 | 6/8 |
| | ZSM430 | 4300 | 1750*1900 | 2200*2400 | 2700*2900 | 2900*3100 | 3200*3600 | 2070 | 2100 | | 1455 | 1320 | 1325 | 6/8 |
| | ZSM450 | 4500 | 1600*1800 | 2000*2300 | 2500*2700 | 2800*3000 | 3100*3550 | 2140 | 2170 | | 1525 | 1390 | 1395 | 6/8 |
| | ZSM470 | 4700 | 1300*1700 | 1800*2100 | 2350*2550 | 2600*2800 | 2850*3350 | 2210 | 2240 | | 1595 | 1460 | 1465 | 6/8 |
| | ZSM480 | 4800 | 1250*1700 | 1700*2000 | 2250*2450 | 2500*2750 | 2800*3150 | 2240 | 2270 | | 1625 | 1490 | 1495 | 6/8 |
| | ZSM500 | 5000 | 1100*1600 | 1500*1800 | 2100*2300 | 2300*2600 | 2600*3100 | 2305 | 2335 | | 1690 | 1555 | 1560 | 6/8 |
| | ZSM550 | 5500 | 800*1300 | 1100*1500 | 1500*2000 | 1700*2200 | 2350*2800 | 2470 | 2500 | | 1855 | 1720 | 1725 | 3/6 |
| | ZSM600 | 6000 | 600*1100 | 800*1300 | 1200*1800 | 1300*2000 | 1650*2550 | 2690 | 2720 | | 2075 | 1940 | 1945 | 3/6 |
| | ZSM650 | 6500 | 400*800 | 600*1000 | 900*1500 | 1000*1600 | 1100*1800 | 2880 | 2910 | | 2265 | 2130 | 2135 | 3/3 |
| | ZSM700 | 7000 | 300*500 | 400*700 | 700*1200 | 700*1200 | 1000*1500 | 3085 | 3115 | | 2470 | 2335 | 2340 | 3/3 |
| | Note: 2-2.5T free lifting height with backrest minus 395mm. 3.5-3.8T free lifting height with backrest minus 295mm. | | | | | | | | | | | | | |
| | Note: * means capacity of double front wheels. | | | | | | | | | | | | | |

Note: Load capacity is reduced 150kg with optional side shifter for 2-2.5t forklift, and 200kg for 3-3.8t forklift.