



TOUGH WORLD. TOUGH EQUIPMENT.

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CPCD20-25

FORKLIFT

 LIUGONG



TOUGH WORLD. TOUGH EQUIPMENT.

MAXIMIZE YOUR RETURN ON INVESTMENT

LiuGong's **customer-driven** design and **quality-focused** engineering creates lasting value that will deliver to your bottom line.

DEPENDABLE POWER

Unmatched performance driven by the World-Class Engine.



ERGONOMIC

Widen operating space and reasonable design can give the operator better experience.



COMFORTABLE

The full hydraulic steering system allows for smooth steering in an ergonomic seating posture, hence improved operator's comfort.



HIGH EFFICIENCY

Newly optimized hydraulic system provides excellent lifting speed, assisting you to finish work efficiently and safely.

GOOD VIEW

The mast and overhead guard are designed for wider view, as well as operator's comfort and safety.



MAINTAINING

The engine hood with big angle for easy to maintain.



PARTS

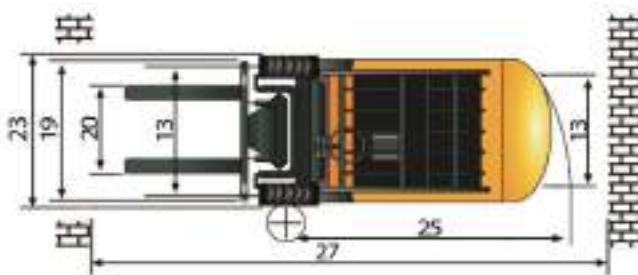
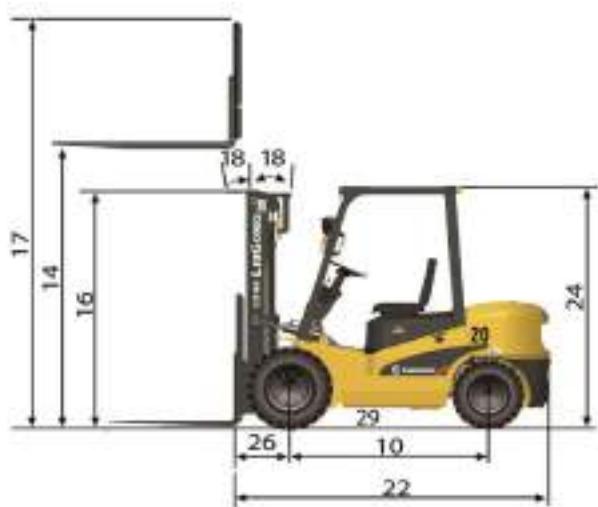
Using genuine LiuGong parts is key to keeping your costs low and your machine in top working order. Our extensive support network is always there when you need it, to maximize your business profitability.

AFTER SALES SERVICE

As a customer of LiuGong you can feel confident that our dealers and regional offices will be there to support you with training, service and maintenance needed throughout the life of your machine.

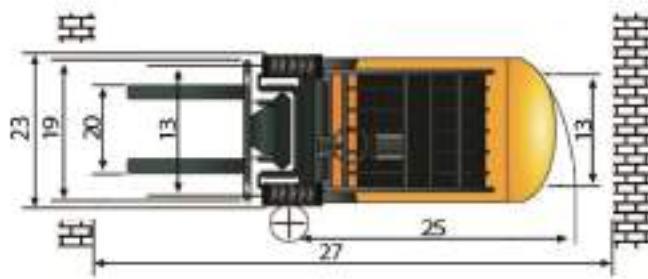
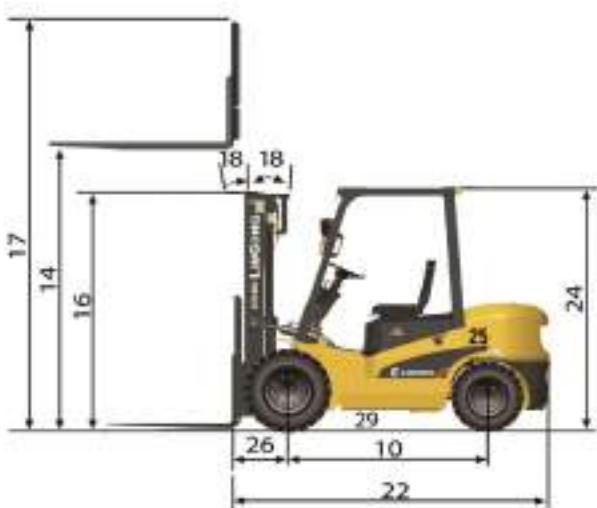
SPECIFICATION

| General | Model | 1 | | | | CPCD20 | CPCD20 |
|-------------|--------------------------|----|-------------------------------|-----------|--------------|------------------|------------------|
| | Power Type | 2 | | | | Diesel | GAS / LPG |
| | Base Capacity | 3 | @rated load center | kg | | 2,000 | 2,000 |
| | Load Center | 4 | | mm | | 500 | 500 |
| Weights | Service Weight | 5 | unloaded | kg | | 3,300 | 3,300 |
| | Axle Load | 6 | loaded / unloaded, front | kg | | 4,640 / 1,460 | 4,640 / 1,460 |
| | | 7 | loaded / unloaded, rear | kg | | 660 / 1,840 | 660 / 1,840 |
| Tires | Tire Type | 8 | | | | Pneumatic | Pneumatic |
| | Wheels | 9 | front / rear | | | 2 / 2 | 2 / 2 |
| | Wheelbase | 10 | | mm | | 1,650 | 1,650 |
| | Tire Size | 11 | front | | | 7.00-12-12PR | 7.00-12-12PR |
| | | 12 | rear | | | 6.00-9-10PR | 6.00-9-10PR |
| Mast | Tread Width | 13 | front / rear | | | 970 / 980 | 970 / 980 |
| | Max. Fork Height | 14 | with std 2-stage mast | mm | | 3,000 | 3,000 |
| | Free lift | 15 | with std 2-stage mast | mm | | 145 | 145 |
| | Height, Upright Lowered | 16 | with std 2-stage mast | mm | | 2,070 | 2,070 |
| | Height, Upright Extended | 17 | with std 2-stage mast | mm | | 4,025 | 4,025 |
| | Mast Tilt, Fwd/Back | 18 | with std 2-stage mast | deg | | 6° / 12° | 6° / 12° |
| | Carriage | 19 | width | mm | | 1,040 | 1,040 |
| | Fork Spread | 20 | minimum / maximum | mm | | 222 / 1,010 | 222 / 1,010 |
| | Fork Dimensions | 21 | T x W x L | mm | | 45 x 100 x 1,070 | 45 x 100 x 1,070 |
| Chassis | Length to Fork Face | 22 | with std 2-stage mast | mm | | 2,550 | 2,550 |
| | Overall Width | 23 | | mm | | 1,150 | 1,150 |
| | Overhead Guard Height | 24 | | mm | | 2,100 | 2,100 |
| | Turning Radius | 25 | minimum outside | mm | | 2,190 | 2,190 |
| | Fork Overhang | 26 | with std 2-stage mast | mm | | 458 | 458 |
| | Right Angle Stack | 27 | add load length and clearance | mm | | 3,900 | 3,900 |
| | Ground Clearance | 28 | minimum loaded | mm | | 120 | 120 |
| | | 29 | center of wheelbase | mm | | 140 | 140 |
| Performance | Travel Speed | 30 | loaded / unloaded | km/h | 19 / 20 | 19 / 20 | 19 / 20 |
| | Lift Speed | 31 | loaded / unloaded | m/s | 0.46 / 0.50 | 0.46 / 0.50 | 0.46 / 0.50 |
| | Lower Speed | 32 | loaded / unloaded | m/s | 0.55 / 0.40 | 0.55 / 0.40 | 0.55 / 0.40 |
| | Max. Drawbar Pull | 33 | loaded | kg | 1,600 | 1,600 | 1,600 |
| | Max. Gradeability | 34 | loaded / unloaded | % | 18 / 20 | 18 / 20 | 18 / 20 |
| Systems | Brakes | 35 | service | | Foot / Hyd | Foot / Hyd | Foot / Hyd |
| | | 36 | parking | | Hand / Mech | Hand / Mech | Hand / Mech |
| | Engine | 37 | manufacturer | | Xinchai | Isuzu | Yanmar |
| | | 38 | model | | A490BPG | C240-NBKEG | 4TNE92-HRJ |
| | | 39 | emission compliance | | CHN Stage II | EU Stage IIIA | EU Stage IIIA |
| | | 40 | cylinders | | 4 | 4 | 4 |
| | | 41 | displacement | liters | 2.54 | 2.37 | 2.66 |
| | | 42 | rated power | kW/rpm | 36.8 / 2,650 | 35.4 / 2,500 | 32.8 / 2,450 |
| | | 43 | Max. torque | N · m/rpm | 148 / 1,900 | 137.7 / 1,800 | 140 / 1,700 |



SPECIFICATION

| | | | | | | |
|--------------------|---------------------------------|----|-------------------------------|-----------|------------------|------------------|
| General | Model | 1 | | | CPCD25 | CPCD25 |
| | Power Type | 2 | | | Diesel | GAS / LPG |
| | Base Capacity | 3 | @rated load center | kg | 2,500 | 2,500 |
| | Load Center | 4 | | mm | 500 | 500 |
| | Service Weight | 5 | unloaded | kg | 3,500 | 3,500 |
| Weights | Axle Load | 6 | loaded / unloaded, front | kg | 5,390 / 1,430 | 5,390 / 1,430 |
| | | 7 | loaded / unloaded, rear | kg | 710 / 2,170 | 710 / 2,170 |
| Tires | Tire Type | 8 | | | Pneumatic | Pneumatic |
| | Wheels | 9 | front / rear | | 2 / 2 | 2 / 2 |
| | Wheelbase | 10 | | mm | 1,650 | 1,650 |
| | Tire Size | 11 | front | | 7.00-12-12PR | 7.00-12-12PR |
| | | 12 | rear | | 6.00-9-10PR | 6.00-9-10PR |
| Mast | Tread Width | 13 | front / rear | | 970 / 980 | 970 / 980 |
| | Max. Fork Height | 14 | with std 2-stage mast | mm | 3,000 | 3,000 |
| | Free lift | 15 | with std 2-stage mast | mm | 145 | 145 |
| | Height, Upright Lowered | 16 | with std 2-stage mast | mm | 2,070 | 2,070 |
| | Height, Upright Extended | 17 | with std 2-stage mast | mm | 4,025 | 4,025 |
| | Mast Tilt, Fwd/Back | 18 | with std 2-stage mast | deg | 6° / 12° | 6° / 12° |
| | Carriage | 19 | width | mm | 1,040 | 1,040 |
| | Fork Spread | 20 | minimum / maximum | mm | 222 / 1,010 | 222 / 1,010 |
| | Fork Dimensions | 21 | T x W x L | mm | 45 x 100 x 1,070 | 45 x 100 x 1,070 |
| | Length to Fork Face | 22 | with std 2-stage mast | mm | 2,630 | 2,630 |
| Chassis | Overall Width | 23 | | mm | 1,150 | 1,150 |
| | Overhead Guard Height | 24 | | mm | 2,100 | 2,100 |
| | Turning Radius | 25 | minimum outside | mm | 2,190 | 2,190 |
| | Fork Overhang | 26 | with std 2-stage mast | mm | 458 | 458 |
| | Right Angle Stack | 27 | add load length and clearance | mm | 3,950 | 3,950 |
| | Ground Clearance | 28 | minimum loaded | mm | 120 | 120 |
| | | 29 | center of wheelbase | mm | 140 | 140 |
| Performance | Travel Speed | 30 | loaded / unloaded | km/h | 19 / 20 | 19 / 20 |
| | Lift Speed | 31 | loaded / unloaded | m/s | 0.46 / 0.50 | 0.46 / 0.50 |
| | Lower Speed | 32 | loaded / unloaded | m/s | 0.55 / 0.40 | 0.55 / 0.40 |
| | Max. Drawbar Pull | 33 | loaded | kg | 1,600 | 1,600 |
| | Max. Gradeability | 34 | loaded / unloaded | % | 18 / 20 | 18 / 20 |
| Systems | Brakes | 35 | service | | Foot / Hyd | Foot / Hyd |
| | | 36 | parking | | Hand / Mech | Hand / Mech |
| | Engine | 37 | manufacturer | | Xinchai | Isuzu |
| | | 38 | model | | A490BPG | C240-NBKEG |
| | | 39 | emission compliance | | CHN Stage II | EU Stage IIIA |
| | | 40 | cylinders | | 4 | 4 |
| | | 41 | displacement | liters | 2.54 | 2.37 |
| | | 42 | rated power | kW/rpm | 36.8 / 2,650 | 35.4 / 2,500 |
| | | 43 | Max. torque | N · m/rpm | 148 / 1,900 | 137.7 / 1,800 |
| | | | | | 140 / 1,700 | 176.5 / 1,600 |

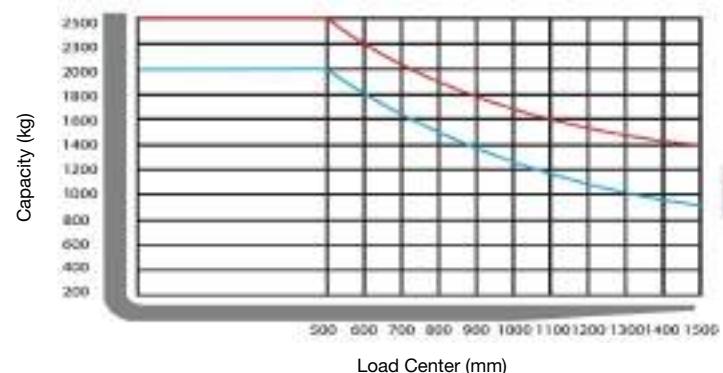


CAPACITY

| Mast type | Maximum Fork Height (MFH) | Mast Overall Lowered Height (OAL) | Freee Lift with Load Backrest | Mast Tilt Angle (F/B) | Rated Load Capacity | | | | Total Weight with Standard Forks | |
|-------------------|---------------------------|-----------------------------------|-------------------------------|-----------------------|---------------------|--------|------------------|--------|----------------------------------|--------|
| | | | | | With Standard Forks | | With Sideshifter | | | |
| | | | | | CPCD20 | CPCD25 | CPCD20 | CPCD25 | CPCD20 | CPCD25 |
| Standard 2-Stage | mm | mm | mm | degree | kg @ (500mm LC) | | kg @ (500mm LC) | | Kg | |
| | 3000 | 2080 | 120 | 6 / 12 | 2000 | 2500 | 1850 | 2350 | 3300 | 3500 |
| | 3300 | 2190 | 120 | 6 / 12 | 2000 | 2500 | 1850 | 2350 | 3321 | 3521 |
| | 3500 | 2230 | 120 | 6 / 12 | 2000 | 2500 | 1850 | 2350 | 3335 | 3535 |
| | 4000 | 2630 | 120 | 6 / 6 | 2000 | 2500 | 1750 | 2300 | 3446 | 3646 |
| | 4500 | 2880 | 120 | 6 / 6 | 1920 | 2420 | 1650 | 2150 | 3551 | 3751 |
| Full Free 2-Stage | 5000 | 3130 | 120 | 3 / 6 | 1660 | 2160 | 1450 | 2050 | 3655 | 3855 |

| Mast type | Maximum Fork Height (MFH) | Mast Overall Lowered Height (OAL) | Freee Lift with Load Backrest* | Mast Tilt Angle (F/B) | Rated Load Capacity | | | | Total Weight with Standard Forks | |
|-------------------|---------------------------|-----------------------------------|--------------------------------|-----------------------|---------------------|--------|------------------|--------|----------------------------------|--------|
| | | | | | With Standard Forks | | With Sideshifter | | | |
| | | | | | CPCD20 | CPCD25 | CPCD20 | CPCD25 | CPCD20 | CPCD25 |
| Full Free 2-Stage | mm | mm | mm | degree | kg @ (500mm LC) | | kg @ (500mm LC) | | Kg | |
| | 2700 | 1930 | 830 | 6 / 12 | 2000 | 2500 | 1850 | 2350 | 3330 | 3530 |
| | 3000 | 2080 | 980 | 6 / 12 | 2000 | 2500 | 1850 | 2350 | 3351 | 3551 |

| Mast type | Maximum Fork Height (MFH) | Mast Overall Lowered Height (OAL) | Freee Lift with Load Backrest* | Mast Tilt Angle (F/B) | Rated Load Capacity | | | | Total Weight with Standard Forks | |
|-------------------|---------------------------|-----------------------------------|--------------------------------|-----------------------|---------------------|--------|------------------|--------|----------------------------------|--------|
| | | | | | With Standard Forks | | With Sideshifter | | | |
| | | | | | CPCD20 | CPCD25 | CPCD20 | CPCD25 | CPCD20 | CPCD25 |
| Full Free 3-Stage | mm | mm | mm | degree | kg @ (500mm LC) | | kg @ (500mm LC) | | Kg | |
| | 3600 | 1820 | 660 | 6 / 6 | 1800 | 2300 | 1650 | 2150 | 3525 | 3725 |
| | 4000 | 1950 | 710 | 6 / 6 | 1800 | 2300 | 1650 | 2150 | 3560 | 3760 |
| | 4300 | 2050 | 760 | 6 / 6 | 1750 | 2200 | 1600 | 2050 | 3580 | 3780 |
| | 4500 | 2120 | 770 | 6 / 6 | 1700 | 2100 | 1550 | 1950 | 3600 | 3800 |
| | 4700 | 2190 | 820 | 6 / 6 | 1500 | 1600 | 1350 | 1600 | 3620 | 3820 |
| | 5000 | 2290 | 870 | 3 / 6 | 1500 | 1600 | 1250 | 1450 | 3770 | 3970 |



Note:

Vertical axle stands for load capacity while horizontal axle stands for load center, Load center is the distance counted from the front of the fork,.The base point of the standard load is the center point of the cubic with the same 1000mm dimension in length, width and height. The load capacity should be down if mast tilt forward or using non-standard forks of loading goods with extra width. Please realize the different load capacity between different load centers according to load chart.

STANDARD CONFIGURATION

POWER SYSTEM

- Xinchai A490BPG diesel engine
- One-speed automatic transmission
- High strength drive axle
- Reliable steering axle
- Air filter with dual-elements
- Fuel system pre-filter
- Radiator
- Low exhaust

HYDRAULIC SYSTEM

- 2-funtion hydraulic valve
- Hydrostatic steering
- Oil filter for intake and return

ELECTRIC SYSTEM

- 1 batteries
- Front flood lights
- Front steering lights
- Rear combination lights
- Buzzer for back off

UNDERCARRIAGE

- High strength frame
- 1 piece counterweight
- Tow pin
- Air filled pneumatic drive tires
- Air filled pneumatic steer tires

MAST

- 3.0M Standard 2-stage mast
- 1040mm Wide Class II carriage
- Load backrest
- 1070mm long Class II pallet forks

OPERATOR STATION

- Overhead guard
- Locks for engine hood
- Vinyl cushion seat with seat belt
- Ignition lock
- Display with alarms, fuel rate, water temperature, working hour
- Tilt steering column
- Inching, brake and accelerator pedals
- Hand parking
- Floor mat

OPTIONAL CONFIGURATION

POWER SYSTEM

- Xinchai A498BT1 diesel engine
- Isuzu C240 diesel engine
- Yanmar 4TNE92 diesel engine
- Nissan K25 engine (Gas/LPG)
- Elevated air pre-cleaner
- 2nd refined air filter
- Middle exhaust
- Vertical exhaust

HYDRAULIC SYSTEM

- 3-funtion hydraulic valve
- 4-funtion hydraulic valve

ELECTRIC SYSTEM

- Rear working light
- Amber warning light
- License plate light

UNDERCARRIAGE

- Solid pneumatic drive tires
- Solid pneumatic steer tires

MAST

- Full free 2-stage mast
- Full free 3-stage mast
- Longer Class II pallet forks

OPERATION STATION

- Enclosed cabin
- Heater for cabin
- Operator fan
- Cup holder
- Fire extinguisher
- Expansion tank
- Anti-corrosion lifting and tilting cylinde
- Protective cover for tilt cylinde
- Oil-water separator
(for Xinchai engine only)
- Master key
- Hydraulic electronic shifting
- Electronic of power off
(for Xinchai engine only)
- Half-suspension vinyl seat(tiancheng)
- Grammer full-suspension vinyl seat