



F SERIES LITHIUM BATTERY FORKLIFT TRUCK

CPD15/18/20L

TOUGH WORLD.TOUGH EQUIPMENT.



LG-PB-CPD15/18/20L-122024-EN

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Media Platform

TOUGH WORLD.TOUGH EQUIPMENT.

MAIN FEATURES

Unique appearance,Maximum manoeuvrability

- The new family platform design,powerful appearance, modern design present fashion industry concept;
- Enclosed automotive grade instrument platform, beautiful and elegant;
- Special-shaped tube overhead guard for easy cab installation.



Precise controlling ,comfortable operation

- The cockpit adopts ergonomic simulation design to bring the driver the driving experience of human-vehicle integration;
- Electro-hydraulic transmission system optimization and matching, acceleration is more agile, hydraulic frethy performance is extremely smooth;
- Transmission, pump, structure and cover components adopt vibration and noise reduction design, and the vehicle noise is less than 65dB, reaching the industry-leading level;
- The semi-surround seat has good shock absorption performance and alleviates driving fatigue.

SMART

SAVE TIME



Strong power, Efficient and flexible

- High speed permanent magnet synchronous motor with large speed ratio transmission, acceleration response fast and excellent gradeability;
- Using large angle steering axle, small turning radius, more flexible operation;
- Steering axle hinge point is fixed in high position, good lateral stability, more comfortable driving.



Advanced platform, easy and convenient

- A new generation of lithium electric forklift special platform, lower center of gravity, more stable driving;
- The side removeable lithium battery can achieve 3 minutes of quick exchange to meet the continuous operation of multiple shifts;
- The charging port is arranged on the side for easy charging.



RELIABLE

Reliable platform,operate more confidently

- The frame adopts layered layout design, the structural strength is 30% higher than the traditional model, satisfy to heavy load application;
- The integrated casting steering axle used tapered roller bearings, which have higher strength and can easily cope with heavy and bumpy application;
- Vehicle water-proof level achieve IPX4;Three core electric protection level IP54 or above, meet all-weather operation;
- Truck uses LED lights, high brightness, service life of 20,000 hours



WORRY FREE

Safe and intelligent, technological escort

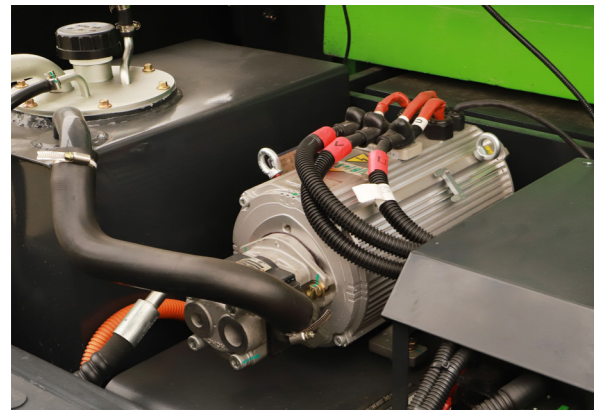
- Equipped with a 4.3-inch intelligent LCD instrument, runtime display of vehicle status, three driving modes to select, so to meet the requirements of different working conditions;
- It is equipped with a steering wheel intelligent start system, which provides convenient operation when you hold it.



High efficiency and energy saving, low cost

- High efficient Permanent magnet synchronous system, a 15% reduction in energy consumption result in lower usage costs;
- Braking regenerative energy recovery system, longer working time;
- The charger can be setup to charge during the low electricity price period, 50% reduction;
- Wide base tires, good wear resistance, long service life.

SAVE MONEY



Easy maintenance reduce cost

- Maintenance-free lithium battery, service life of more than 5000 cycles;
- Controller, pump motor, hydraulic tank and other parts can be touched directly when open the hood;
- The lubrication points are arranged in the maintenance area, easily tagged;
- The dust-proof filter design of the charger can adapt to the operation of the dust environment.

LOW TCO

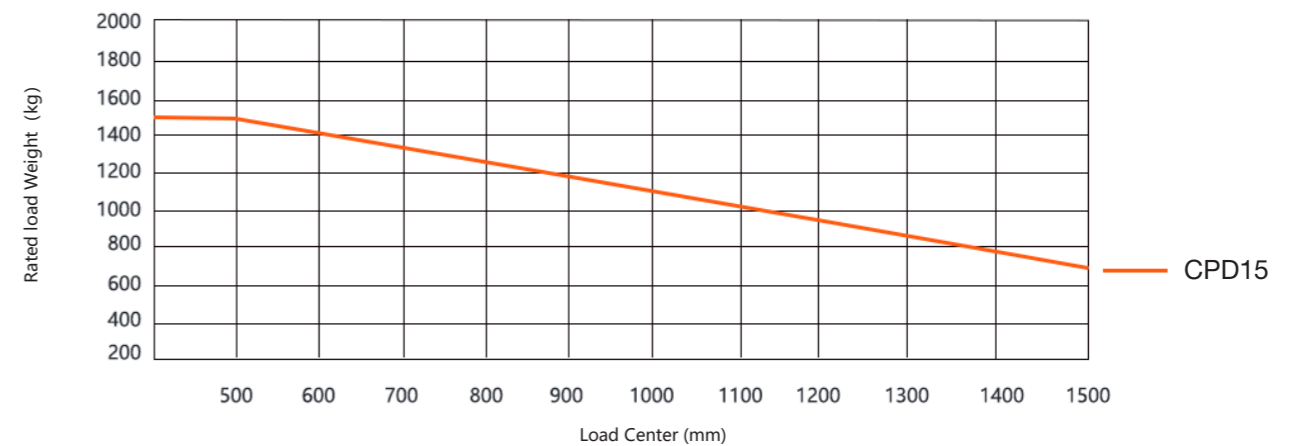
Robust and durable,High residual value

- High-strength steel,significant re-turn on investment;
- The cover is scratch-proof and not easily damaged;
- Automotive-grade instrument panel has good durability;
- The working light is protected by a metal guard and remains undamaged.



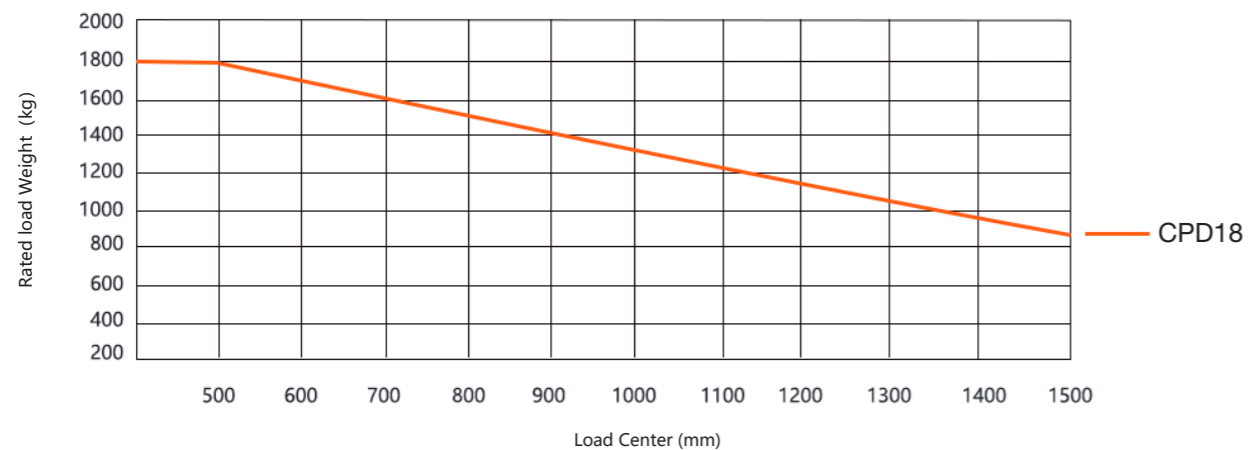
MAST AND CAPACITY INFORMATION

| Mast type | Maximum Fork Height (MFH) (mm) | Mast Overall Lowered Height (OAL) (mm) | Free Lift with Load Backrest (mm) | Mast Tilt Angle (F/B) (°) | Rated Load Capacity (kg) | | Total Weight with Standard Forks (kg) | |
|-------------------|--------------------------------|--|-----------------------------------|---------------------------|--------------------------|------------------|---------------------------------------|------|
| | | | | | With Standard Forks | With Sideshifter | | |
| Standard 2-Stage | CPD15 | | | | CPD15 | | CPD15 | |
| | 2000 | 1495 | 110 | 6/12 | 1500 | 1350 | 2752 | |
| | 2300 | 1645 | 110 | 6/12 | 1500 | 1350 | 2774 | |
| | 2500 | 1745 | 110 | 6/12 | 1500 | 1350 | 2788 | |
| | 2700 | 1845 | 110 | 6/12 | 1500 | 1350 | 2803 | |
| | 3000 | 1995 | 110 | 6/12 | 1500 | 1350 | 2824 | |
| | 3300 | 2145 | 110 | 6/12 | 1500 | 1350 | 2846 | |
| | 3500 | 2245 | 110 | 6/12 | 1500 | 1350 | 2861 | |
| | 4000 | 2545 | 110 | 6/12 | 1500 | 1350 | 2926 | |
| | 4500 | 2795 | 110 | 6/10 | 1450 | 1300 | 2962 | |
| Full Free 2-Stage | 5000 | 3045 | 110 | 6/10 | 1300 | 1150 | 2998 | |
| | 5500 | 3345 | 110 | 6/6 | 1150 | 1000 | 3041 | |
| | 6000 | 3595 | 110 | 6/6 | 1000 | 850 | 3077 | |
| | 2500 | 1835 | 1154 | 6/10 | 1500 | 1350 | 2799 | |
| | 2700 | 1935 | 1254 | 6/10 | 1500 | 1350 | 2814 | |
| | 3000 | 2085 | 1404 | 6/10 | 1500 | 1350 | 2839 | |
| | 3300 | 2235 | 1554 | 6/10 | 1500 | 1350 | 2862 | |
| | 3500 | 2335 | 1654 | 6/10 | 1500 | 1350 | 2877 | |
| | Full Free 3-Stage | 3600 | 1785 | 1104 | 6/6 | 1500 | 1350 | 2949 |
| | | 4000 | 1915 | 1234 | 6/6 | 1500 | 1350 | 2978 |
| 4300 | | 2015 | 1334 | 6/6 | 1470 | 1320 | 3002 | |
| 4500 | | 2085 | 1404 | 6/6 | 1450 | 1300 | 3017 | |
| 4700 | | 2155 | 1474 | 6/6 | 1390 | 1240 | 3033 | |
| 5000 | | 2255 | 1574 | 6/6 | 1300 | 1150 | 3054 | |
| 5500 | | 2505 | 1824 | 6/6 | 1150 | 1000 | 3136 | |
| 6000 | 2755 | 2030 | 6/6 | 1000 | 850 | 3188 | | |



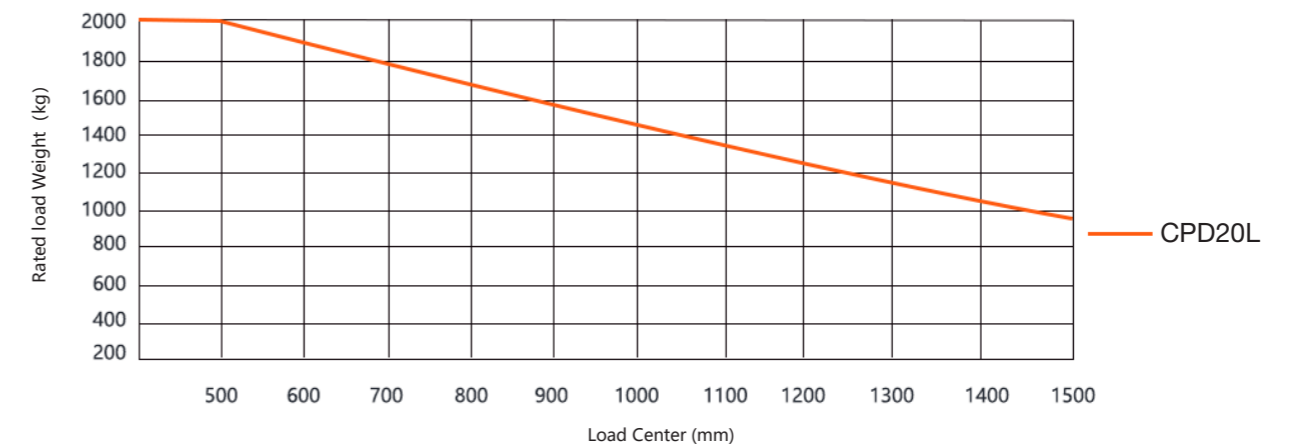
MAST AND CAPACITY INFORMATION

| Mast Type | Maximum Fork Height (MFH) (mm) | Mast Overall Lowered Height (OAL) (mm) | Free Lift with Load Backrest (mm) | Mast Tilt Angle (F/B) (°) | Rated Load Capacity (kg) | | Total Weight with Standard Forks (kg) |
|-------------------|--------------------------------|--|-----------------------------------|---------------------------|--------------------------|------------------|---------------------------------------|
| | | | | | With Standard Forks | With Sideshifter | |
| Standard 2-Stage | CPD18 | | | | CPD18 | | CPD18 |
| | 2000 | 1495 | 110 | 6/12 | 1800 | 1650 | 2872 |
| | 2300 | 1645 | 110 | 6/12 | 1800 | 1650 | 2894 |
| | 2500 | 1745 | 110 | 6/12 | 1800 | 1650 | 2908 |
| | 2700 | 1845 | 110 | 6/12 | 1800 | 1650 | 2923 |
| | 3000 | 1995 | 110 | 6/12 | 1800 | 1650 | 2944 |
| | 3300 | 2145 | 110 | 6/12 | 1800 | 1650 | 2966 |
| | 3500 | 2245 | 110 | 6/12 | 1800 | 1650 | 2981 |
| | 4000 | 2545 | 110 | 6/12 | 1800 | 1650 | 3046 |
| | 4500 | 2795 | 110 | 6/10 | 1650 | 1500 | 3082 |
| | 5000 | 3045 | 110 | 6/10 | 1500 | 1350 | 3118 |
| | 5500 | 3345 | 110 | 6/6 | 1350 | 1200 | 3161 |
| Full Free 2-Stage | 2500 | 1835 | 1154 | 6/10 | 1800 | 1650 | 2919 |
| | 2700 | 1935 | 1254 | 6/10 | 1800 | 1650 | 2934 |
| | 3000 | 2085 | 1404 | 6/10 | 1800 | 1650 | 2959 |
| | 3300 | 2235 | 1554 | 6/10 | 1800 | 1650 | 2982 |
| | 3500 | 2335 | 1654 | 6/10 | 1800 | 1650 | 2997 |
| Full Free 3-Stage | 3600 | 1785 | 1104 | 6/6 | 1800 | 1650 | 3069 |
| | 4000 | 1915 | 1234 | 6/6 | 1800 | 1650 | 3098 |
| | 4300 | 2015 | 1334 | 6/6 | 1670 | 1520 | 3122 |
| | 4500 | 2085 | 1404 | 6/6 | 1650 | 1500 | 3137 |
| | 4700 | 2155 | 1474 | 6/6 | 1590 | 1440 | 3153 |
| Full | 5000 | 2255 | 1574 | 6/6 | 1500 | 1350 | 3174 |
| | 5500 | 2505 | 1824 | 6/6 | 1350 | 1200 | 3256 |
| | 6000 | 2755 | 2030 | 6/6 | 1150 | 1000 | 3308 |



MAST AND CAPACITY INFORMATION

| Mast Type | Maximum Fork Height (MFH) (mm) | Mast Overall Lowered Height (OAL) (mm) | Free Lift with Load Backrest (mm) | Mast Tilt Angle (F/B) (°) | Rated Load Capacity (kg) | | Total Weight with Standard Forks (kg) |
|-------------------|--------------------------------|--|-----------------------------------|---------------------------|--------------------------|------------------|---------------------------------------|
| | | | | | With Standard Forks | With Sideshifter | |
| Standard 2-Stage | CPD20L | | | | CPD20L | | CPD20L |
| | 2000 | 1495 | 110 | 6/12 | 2000 | 1850 | 2973 |
| | 2300 | 1645 | 110 | 6/12 | 2000 | 1850 | 2995 |
| | 2500 | 1745 | 110 | 6/12 | 2000 | 1850 | 3009 |
| | 2700 | 1845 | 110 | 6/12 | 2000 | 1850 | 3024 |
| | 3000 | 1995 | 110 | 6/12 | 2000 | 1850 | 3045 |
| | 3300 | 2145 | 110 | 6/12 | 2000 | 1850 | 3067 |
| | 3500 | 2245 | 110 | 6/12 | 2000 | 1850 | 3082 |
| | 4000 | 2545 | 110 | 6/12 | 1930 | 1780 | 3147 |
| | 4500 | 2795 | 110 | 6/10 | 1750 | 1600 | 3183 |
| | 5000 | 3045 | 110 | 6/10 | 1550 | 1400 | 3219 |
| | 5500 | 3345 | 110 | 6/6 | 1350 | 1200 | 3262 |
| Full Free 2-Stage | 2500 | 1835 | 1154 | 6/10 | 2000 | 1850 | 3020 |
| | 2700 | 1935 | 1254 | 6/10 | 2000 | 1850 | 3035 |
| | 3000 | 2085 | 1404 | 6/10 | 2000 | 1850 | 3060 |
| | 3300 | 2235 | 1554 | 6/10 | 2000 | 1850 | 3083 |
| | 3500 | 2335 | 1654 | 6/10 | 2000 | 1850 | 3098 |
| Full Free 3-Stage | 3600 | 1785 | 1104 | 6/6 | 1970 | 1820 | 3170 |
| | 4000 | 1915 | 1234 | 6/6 | 1820 | 1670 | 3199 |
| | 4300 | 2015 | 1334 | 6/6 | 1730 | 1580 | 3223 |
| | 4500 | 2085 | 1404 | 6/6 | 1670 | 1520 | 3238 |
| | 4700 | 2155 | 1474 | 6/6 | 1600 | 1450 | 3254 |
| Full | 5000 | 2255 | 1574 | 6/6 | 1500 | 1350 | 3275 |
| | 5500 | 2505 | 1824 | 6/6 | 1300 | 1150 | 3357 |
| | 6000 | 2755 | 2030 | 6/6 | 1100 | 950 | 3409 |

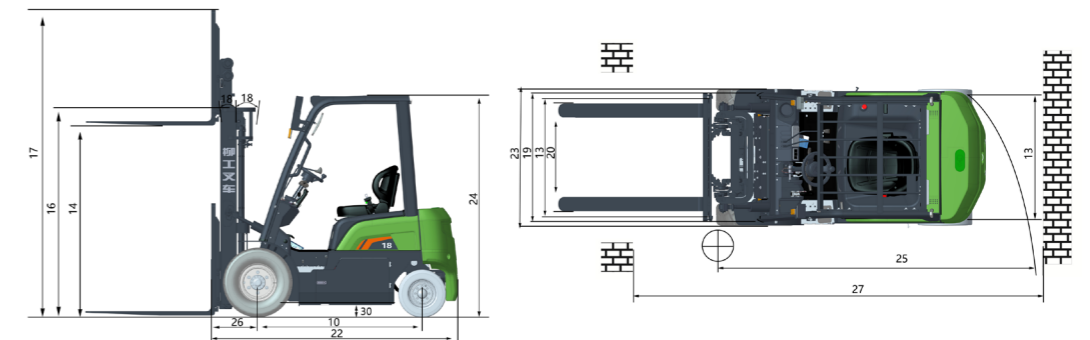
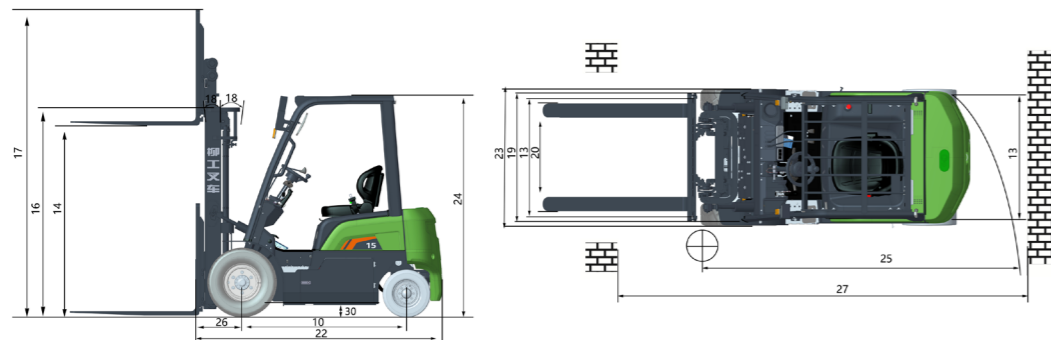


MAST AND CAPACITY INFORMATION

| | | | | | |
|---|-----------------------|-------------------------------|--|--------------------|--------------|
| General | Model | 1 | | CPD15 | |
| | Configuration number | 2 | | FSJ | |
| Weights | Load capacity | 3 | At rated load center | kg 1500 | |
| | Load center distance | 4 | | mm 500 | |
| Weights | Service weight | 5 | Unloaded | kg 2824 | |
| | Axle load | 6 | Full load, front/rear | kg 3705/619 | |
| | | 7 | Unloaded, front/rear | kg 1251/1573 | |
| Tires | Tire type | 8 | Front wheel/rear wheel | Pneumatic | |
| | Wheels | 9 | Front wheel/rear wheel | 2/2 | |
| | Wheelbase | 10 | | mm 1430 | |
| | Tire size | 11 | Front | 6.5-10NHS | |
| | | 12 | Rear | 5.0-8NHS | |
| Tread width | 13 | Front wheel/rear wheel | mm 958/920 | | |
| Mast | Max. fork height | 14 | Std 2-Stage mast | mm 3000 | |
| | Free lift | 15 | Std 2-Stage mast | mm 105 | |
| | Height, mast lowered | 16 | Std 2-Stage mast | mm 1995 | |
| | Height, mast extended | 17 | Std 2-Stage mast | mm 4079 | |
| | Mast tilt, fwd/back | 18 | Std 2-Stage mast | deg 6/12 | |
| | Fork carriage | 19 | Installation rating | mm 1040 | |
| | Fork spread | 20 | Min/Max | mm 262/1024 | |
| | Fork dimensions | 21 | T x W x L | mm 35×100×920 | |
| | Chassis | Overall length (to fork face) | 22 | Std 2-Stage mast | mm 2230 |
| | | Overall width | 23 | | mm 1136 |
| Overhead guard height | | 24 | | mm 2096 | |
| Turning radius | | 25 | | mm 1990 | |
| Fork overhang | | 26 | | mm 410 | |
| Right angle stack (add load length and clearance) | | 27 | AST 800×1200 Crossways AST 1000×1200 Lengthways | mm 3800 3600 | |
| | | Ground clearance | 28 | Below mast | mm 95 |
| Performance | | Travel speed | 30 | Full load/unloaded | km/h 17/18 |
| | | Lift speed | 31 | Full load/unloaded | mm/s 360/450 |
| | | Lower speed | 32 | Full load/unloaded | mm/s 500/490 |
| | Max. traction force | 33 | 5-minute working system | N 6920 | |
| | Maximum gradeability | 34 | Full load/unloaded | % 15/20 | |
| | | 35 | | Jiachen | |
| Systems | Motor | 36 | Drive motor power | kW 8 | |
| | | 37 | Hlydraulic motor power | kW 10 | |
| | Battery | 38 | Voltage | V 80 | |
| | | 39 | Capacity | Ah 150 | |

MAST AND CAPACITY INFORMATION

| | | | | | |
|---|-----------------------|-------------------------------|--|----------------------------------|--------------|
| General | Model | 1 | | CPD18 | |
| | Configuration number | 2 | | FSJ | |
| Weights | Load capacity | 3 | At rated load center | kg 1800 | |
| | Load center distance | 4 | | mm 500 | |
| Weights | Service weight | 5 | Unloaded | kg 2944 | |
| | Axle load | 6 | Full load, front/rear | kg 4189/555 | |
| | | 7 | Unloaded, front/rear | kg 1244/1700 | |
| Tires | Tire type | 8 | Front wheel/rear wheel | Pneumatic | |
| | Wheels | 9 | Front wheel/rear wheel | 2/2 | |
| | Wheelbase | 10 | | mm 1430 | |
| | Tire size | 11 | Front | 6.5-10NHS | |
| | | 12 | Rear | 5.0-8NHS | |
| Tread width | 13 | Front wheel/rear wheel | mm 958/920 | | |
| Mast | Max. fork height | 14 | Std 2-Stage mast | mm 3000 | |
| | Free lift | 15 | Std 2-Stage mast | mm 105 | |
| | Height, mast lowered | 16 | Std 2-Stage mast | mm 1995 | |
| | Height, mast extended | 17 | Std 2-Stage mast | mm 4079 | |
| | Mast tilt, fwd/back | 18 | Std 2-Stage mast | deg 6/12 | |
| | Fork carriage | 19 | Installation rating | mm 2A | |
| | Fork spread | 20 | Min/Max | mm 262/1024 | |
| | Fork dimensions | 21 | T x W x L | mm 35×100×920 | |
| | Chassis | Overall length (to fork face) | 22 | Std 2-Stage mast | mm 2230 |
| | | Overall width | 23 | | mm 1136 |
| Overhead guard height | | 24 | | mm 2096 | |
| Turning radius | | 25 | | mm 1990 | |
| Fork overhang | | 26 | | mm 410 | |
| Right angle stack (add load length and clearance) | | 27 | AST 800×1200 Crossways AST 1000×1200 Lengthways | mm 3800 3600 | |
| | | Ground clearance | 28 | Below mast | mm 95 |
| Performance | | Travel speed | 30 | Full load/unloaded | km/h 17/18 |
| | | Lift speed | 31 | Full load/unloaded | mm/s 360/450 |
| | | Lower speed | 32 | Full load/unloaded | mm/s 500/490 |
| | Max. traction force | 33 | 5-minute working system | N 8073 | |
| | Maximum gradeability | 34 | Full load/unloaded | % 15/20 | |
| | | 35 | | Permanent magnet synchronization | |
| Systems | Motor | 36 | Drive motor power | kW 8 | |
| | | 37 | Hlydraulic motor power | kW 10 | |
| | Battery | 38 | Voltage | V 80 | |
| | | 39 | Capacity | Ah 150 | |



PRODUCT SPECIFICATIONS

| General | Model | 1 | | | CPD20L | |
|---|-----------------------|-------------------------------|--|--------------------|--------------|---------|
| | Configuration number | 2 | | | FSJ | |
| | Load capacity | 3 | At rated load center | kg | 2000 | |
| | Load center distance | 4 | | mm | 500 | |
| Weights | Service weight | 5 | Unloaded | kg | 3045 | |
| | Axle load | 6 | Full load, front/rear | kg | 4511/534 | |
| Tires | | 7 | Unloaded, front/rear | kg | 1239/1806 | |
| | Tire type | 8 | Front wheel/rear wheel | | Pneumatic | |
| | Wheels | 9 | Front wheel/rear wheel | | 2/2 | |
| | Wheelbase | 10 | | mm | 1430 | |
| | Tire size | 11 | Front | | 6.5-10NHS | |
| | | 12 | Rear | | 5.0-8NHS | |
| Mast | Tread width | 13 | Front wheel/rear wheel | mm | 958/920 | |
| | Max. fork height | 14 | Std 2-Stage mast | mm | 3000 | |
| | Free lift | 15 | Std 2-Stage mast | mm | 110 | |
| | Height, mast lowered | 16 | Std 2-Stage mast | mm | 1995 | |
| | Height, mast extended | 17 | Std 2-Stage mast | mm | 4079 | |
| | Mast tilt, fwd/back | 18 | Std 2-Stage mast | deg | 6/12 | |
| | Fork carriage | 19 | Installation rating | mm | 1040 | |
| | Fork spread | 20 | Min/Max | mm | 284/1040 | |
| | Fork dimensions | 21 | T x W x L | mm | 40×122×920 | |
| | Chassis | Overall length (to fork face) | 22 | Std 2-Stage mast | mm | 2235 |
| Overall width | | 23 | | mm | 1136 | |
| Overhead guard height | | 24 | | mm | 2096 | |
| Turning radius | | 25 | | mm | 1990 | |
| Fork overhang | | 26 | | mm | 415 | |
| Right angle stack (add load length and clearance) | | 27 | AST 800×1200 Crossways AST 1000×1200 Lengthways | mm | 3800 3600 | |
| Ground clearance | | 28 | Below mast | mm | 95 | |
| | | 29 | Center of wheelbase | mm | 100 | |
| Performance | | Travel speed | 30 | Full load/unloaded | km/h | 17/18 |
| | | Lift speed | 31 | Full load/unloaded | mm/s | 360/450 |
| | Lower speed | 32 | Full load/unloaded | mm/s | 500/490 | |
| | Max. traction force | 33 | 5-minute working system | N | 8815 | |
| | Maximum gradeability | 34 | Full load/unloaded | % | 15/20 | |
| | Systems | | 35 | | | Jiachen |
| Motor | | 36 | Drive motor power | kW | 8 | |
| | | 37 | Hlydraulic motor power | kW | 10 | |
| Battery | | 38 | Voltage | V | 80 | |
| | | 39 | Capacity | Ah | 150 | |

STANDARD SPECIFICATIONS/ AVAILABLE OPTIONS

| CONFIGURATION | STANDARD | OPTION |
|----------------------------|---------------------------------------|--|
| Battery type | FS:150Ah | Choice of battery capacities with heating |
| Tires | Pneumatic | Solid tires; Pneumatic dual tires;Solid and Pneumatic dual tires;Non-mark pneumatic tires |
| Light system | LED light protect guard | Warning lamp、Rear work light、License plate light、Regional red warning lights(left、right、rear)、Blue spot light(front/rear)、Rear grab with horn button |
| Hydraulic system | 2-way valve | 3-way valve;4-way valve |
| Cold/warm system | / | Heater、Air-condition(only cooling) |
| Intelligent Control System | Auto slope parking ;USB charging port | Automatic speed limit function for steering; Steering wheel active HYD system |
| Overhead guard | Rain shelter | Cab;Front windshield;Three rear view mirrors;Overhead guard with transparent plate on top |
| Seat | Semi-surrounded seat | Semi-suspension/Full-suspension seat/Grammer seat |
| Mast | 2 stage 3m mast | 2 stage 3-6m Duplex mast; 2 stage 2.7-3.5m Full Free Lift mast 3 stage 3.6-6m Full Free Lift mast |
| Others | Lowering cushion | Sideshifter;Regular attachment |

