



CPD20L1S

Electric Forklift 2.0T

- Performance improvement of AC motor
- Strength improvement of new mast
- Safety improvement of mechanical braking
- Large battery capacity

EP EQUIPMENT CO.,LTD
www.ep-equipment.com

FEATURE

■ Performance improvement of AC motor

All the motors are AC and they provide higher performance.



■ Strength improvement of new mast

CJ mast is applied in this truck thus it is more solid and durable. Moreover, using CJ mast can offer wider view for the driver.



■ Safety improvement of mechanical braking

The truck uses mechanical braking and its braking distance is shorter.



■ Large battery capacity

It is equipped with Li-ion battery and is suitable for high frequency use.

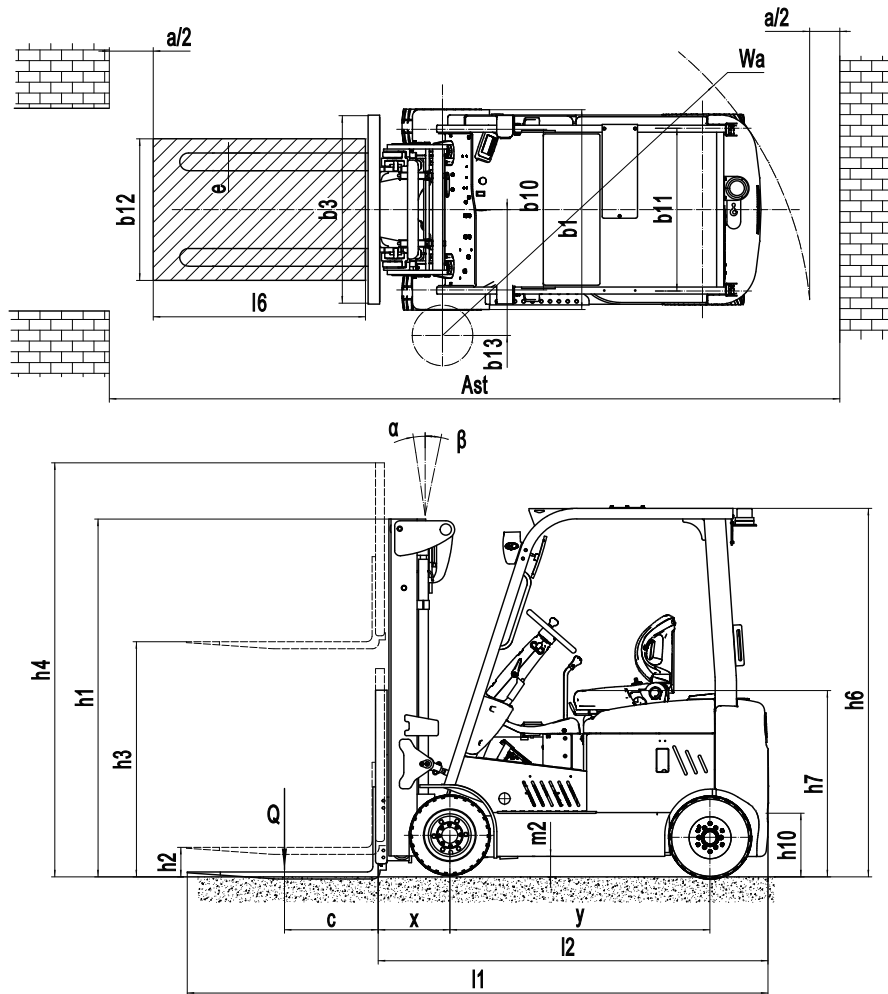


Electric Forklift 2.0T

CPD20L1S

| | | | | | | |
|---------------------|----------------------------------|---|---|------------|--------------|------|
| Distinguishing mark | 1.1 | Manufacturer | | | EP | |
| | 1.2 | Model designation | | | CPD20L1S | |
| | 1.3 | Drive | | | Electric | |
| | 1.4 | Operator type | | | Seated | |
| | 1.5 | Load capacity | Q | kg | 2000 | |
| | 1.6 | Load center distance | c | mm | 500 | |
| | 1.8 | Load distance, centre of drive axle to fork | x | mm | 435 | |
| | 1.9 | Wheelbase | y | mm | 1470 | |
| | Service weight | 2.1 | Service weight | | kg | 3280 |
| 2.2 | | Axle loading, laden front/rear | | kg | 4512/768 | |
| 2.3 | | Axle loading, unladen front/rear | | kg | 1240/2040 | |
| Tyres/chassis | 3.1 | Tyre type | | | Solid rubber | |
| | 3.2 | Tyre size, front | | | 200/50-10 | |
| | 3.3 | Tyre size, rear | | | 5.00-8 | |
| | 3.5 | Wheels, number front/rear (x=drive wheels) | | mm | 2x/ 2 | |
| | 3.6 | Tread width, front | b10 | mm | 942 | |
| | 3.7 | Tread width, rear | b11 | mm | 920 | |
| | 4.1 | Tilt of mast/fork carriage forward/backward | α/β | $^{\circ}$ | 6/ 11 | |
| Dimensions | 4.2 | Retracted mast height | h1 | mm | 2080 | |
| | 4.3 | Free lift | h2 | mm | 0 | |
| | 4.4 | Lift height | h3 | mm | 3000 | |
| | 4.5 | Height, mast extended | h4 | mm | 4028 | |
| | 4.7 | Height of overhead guard (cabin) | h6 | mm | 2080 | |
| | 4.8 | Seat height/standing height | h7 | mm | 1050 | |
| | 4.12 | Tow coupling height | h10 | mm | 360 | |
| | 4.19 | Overall length | l1 | mm | 3315 | |
| | 4.20 | Length to face of forks | l2 | mm | 2245 | |
| | 4.21 | Overall width | b1/b2 | mm | 1130 | |
| | 4.22 | Fork dimensions | s/e/l | mm | 40×122×1070 | |
| | 4.23 | A,B Fork carriage class/type A, B | | | 2A | |
| | 4.24 | Fork carriage width | b3 | mm | 1040 | |
| | 4.31 | Ground clearance, laden, below mast | m1 | mm | 110 | |
| | 4.32 | Ground clearance, center of wheelbase | m2 | mm | 105 | |
| | Performance data | 4.34.1 | Aisle width for pallets 1000×1200 crossways | Ast | mm | 3685 |
| | | 4.34.2 | Aisle width for pallets 800×1200 crossways | Ast | mm | 3885 |
| 4.35 | | Turning radius | Wa | mm | 2080 | |
| 5.1 | | Travel speed, laden/unladen | | km/h | 15/16 | |
| 5.2 | | Lifting speed, laden/unladen | | m/s | 0.33/0.48 | |
| 5.3 | | Lowering speed, laden/unladen | | m/s | 0.42/ 0.45 | |
| 5.5 | | Drawbar pull, laden/unladen | | N | — | |
| 5.6 | Max. drawbar pull, laden/unladen | | N | — | | |
| 5.8 | Max. gradeability, laden/unladen | | % | 16/20 | | |
| Electric-engine | 5.10 | Service brake | | | Hydraulic | |
| | 5.11 | Parking brake | | | Mechanical | |
| | 6.1 | Drive motor rating S2 60 min | | kW | 7 | |
| | 6.2 | Lift motor rating at S3 15% | | kW | 11 | |
| | 6.4 | Battery voltage/nominal capacity | | V/Ah | 48/405 | |
| Addition data | 6.5 | Battery weight | | kg | 220 | |
| | 8.1 | Type of drive control | | | AC | |
| | 10.5 | Steering design | | | Hydraulic | |
| | 10.7 | Sound pressure level at the driver's ear | | dB(A) | 73 | |

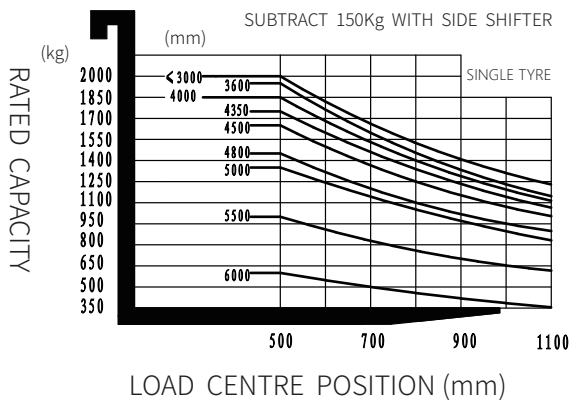
If there are improvements of technical parameters or configurations, no further notice will be given.
The diagram shown may contain non-standard configurations.



Mast option:

| Mast types | Lift height (h3) | Height, Mast | | | Height, Free lift(h2) | |
|-----------------|-----------------------|-----------------------------|---------------------------|---------------|-----------------------|---------------|
| | | Height, mast lowered(h1) | Height, mast extended(h4) | | No shelving | With shelving |
| | | | No shelving | With shelving | | |
| | mm | mm | mm | mm | mm | mm |
| 2-Standard Mast | 2700 | 1865 | 3185 | 3728 | 0 | 0 |
| | 3000 | 2015 | 3485 | 4028 | 0 | 0 |
| | 3300 | 2165 | 3785 | 4328 | 0 | 0 |
| | 3500 | 2265 | 3985 | 4528 | 0 | 0 |
| | 3600 | 2315 | 4085 | 4628 | 0 | 0 |
| | 4000 | 2565 | 4485 | 5028 | 0 | 0 |
| 2-Free Mast | 2700 | 1898 | 3185 | 3728 | 1413 | 870 |
| | 3000 | 2048 | 3485 | 4028 | 1563 | 1020 |
| | 3300 | 2198 | 3785 | 4328 | 1713 | 1170 |
| | 3600 | 2348 | 4085 | 4628 | 1863 | 1320 |
| 3-Free Mast | 4350 | 2030 | 4844 | 5378 | 1536 | 1002 |
| | 4500 | 2080 | 4994 | 5528 | 1586 | 1052 |
| | 4800 | 2180 | 5294 | 5828 | 1686 | 1152 |
| | 5000 | 2245 | 5494 | 6028 | 1751 | 1217 |
| | 5500 | 2415 | 6010 | 6510 | 1905 | 1405 |
| | 6000 | 2630 | 6510 | 7010 | 2120 | 1620 |

RATED CAPACITIES AND LOAD CENTERES GRAPH



Option:

| No. | Optional items | CPD20L1S |
|------|------------------------------|---|
| 1.1 | Fork dimension | ○122*40*920○122*40*1070○122*40*1150○122*40*1220○122*40*1370 ○122*40*1500○122*40*1600○122*40*1700○122*40*1820 |
| 1.4 | Fork carriage width | ●1040mm○Yes and can be customized |
| 1.5 | Fork carriage height | ●1010mm○Yes and can be customized |
| 2.5 | Front wheel material | ●Solid○Non-marking solid |
| 2.6 | Rear wheel material | ●Solid○Non-marking solid |
| 2.7 | Battery capacity | ●48V405AH |
| 2.8 | Charger | ○48V100A○48V150A○48V200A |
| 2.9 | Battery indicator | ●With time |
| 2.10 | Seat type | ●Premium○Suspension○Suspension+Seatbelt logic switch ○Suspension seat with armrest (KL01) |
| 2.11 | Attachments | ●No○Built-in sidershifter○External shifter○Fork positioner |
| 2.13 | Traction pin | ●Yes |
| 2.14 | Electrostatic chain | ●Yes |
| 3.1 | Foldable fork | ●No○Yes and can be customized |
| 3.5 | Front lamp | ●LED |
| 3.6 | Rear lamp | ●No○LED |
| 3.7 | Warning lamp | ●Yes |
| 3.8 | Steering lamp | ●Yes |
| 3.9 | Blue lamp | ●No○2 front○1 rear○2 front + 1 rear |
| 3.10 | Area warning lamp | ●No○Red, 1 left + 1 right |
| 3.11 | Rearview mirror | ●1 rearview mirror○Add one on both sides |
| 3.12 | Buzzer | ●Yes |
| 3.17 | OPS system | ●No○Yes and can be customized |
| 3.19 | USB interface | ●Yes |
| 3.23 | Telematics | ●No○Yes and can be customized |
| 4.1 | Battery side pull function | ●No○Yes and can be customized |
| 4.3 | Cabin | ●No○Basic semi-enclosed cabin○Upgrade semi-enclosed cabin○Full cabin |
| 4.9 | Heater | ●No○Yes and can be customized |
| 5.1 | Battery side pull attachment | ●No○Yes and can be customized |

Note: ● standard ○ option — NA