

3 Wheel Electric Forklift



Model: CPD20SA-16/18/20

AC

CE Conforms to EN ISO3691-1
EN1175-1
EN16307-1
Based on Directive 2006/42/EC

Dual Front Driving Wheel



Wet disc brake



Muti-function display



Sideway battery box

MODEL		CPD20SA-16	CPD20SA-18	CPD20SA-20
Drive		Dual Front Drive Wheel	Dual Front Drive Wheel	Dual Front Drive Wheel
Operation type		seated	seated	seated
Load capacity/rated load	Q(kg)	1600	1800	2000
Load centre distance	c(mm)	500	500	500
Load distance,centre of drive axle to fork	x(mm)	358	358	358
Wheelbase	y(mm)	1362	1362	1465
Service weight (with battery)	Kg	3220	3280	3450
Axle loading,laden front/rear	Kg	3955/865	4166/914	4469/981
Axle loading,unladen front/rear	Kg	1425/1795	1455/1826	1625/1997
Tyres:solid rubber,superelastic,pneumatic,polyurethane		super elastic solid tires	super elastic solid tires	super elastic solid tires
Tyre size, front		18x7-8	200/50-10	200/50-10
Tyre size, rear		15x4 1/2-8	15x4 1/2-8	140/55-9
Wheels,number front rear(x=driven wheels)		2x/2	2x/2	2x/2
Tread,front	b ₁₀ (mm)	920	937	937
Tread,rear	b ₁₁ (mm)	165	165	188
Tilt of mast/fork carriage forward/backward	°	3/6	3/6	3/6
Height,mast lowered	h ₁ (mm)	2000-2660	2000-2660	2000-2660
Free lift	h ₂ (mm)	option	option	option
Lift height	h ₃ (mm)	3000-6200	3000-6200	3000-6200
Height,mast extended	h ₄ (mm)	4050-7250	4050-7250	4050-7250
Height of overhead guard(cabin)	h ₅ (mm)	2005	2005	2005
Seat height/stand height	h ₇ (mm)	938	938	938
Coupling height	h ₁₀ (mm)	560	560	560
Overall length	l ₁ (mm)	2880	3000	3100
Length to face of forks	l ₂ (mm)	1930	1930	2030
Overall width	b ₁ (mm)	1070	1130	1130
Fork dimensions	s/e/(mm)	35/100/950	40/100/1070	40/120/1070
Fork carriage DIN 15173,class/type A,B		2A	2A	2A
Fork-carriage width	b ₂ (mm)	1088	1088	1088
Ground clearance,laden,below mast	m ₁ (mm)	90	90	90
Ground clearance,centre of wheelbase	m ₂ (mm)	100	100	100
Aisle width for pallets 1000x1200 crossways	Ast(mm)	3120	3120	3200
Aisle width for pallets 800x1200 lengthways	Ast(mm)	3220	3220	3300
Turning radius	Wa(mm)	1552	1552	1652
Travel speed,laden/unladen	km/h	14/14	14/14	13/13
Lift speed,laden/unladen	mm/s	290/450	270/420	250/420
Lowering speed, laden/unladen	mm/s	<600	<600	<600
Max.gradeability, laden/unladen	%	15/20	15/20	15/20
Battery voltage,nominal capacity K5	V/Ah	48/420(490)	48/490(560)	48/560(640)
Battery weight	kg	720	760	800
Sound level at the driver's ear acc.to DIN 12053	dB(A)	68	68	68

Remark: The data is based on the lifting height 3000mm; Lifting height from 3000mm to 6200mm are available; Electric controller selection: ENPOWER, INMOTION, CURTIS.

Advantages:

SAFETY AND STABILITY

- Germany imported driving axle.
- Multifunctional display with using time, fault code, battery status, forklift running information.
- AC motor with regenerative braking.
- Three running modes according to different needs: low speed, moderate speed and high speed.
- Wet disk brake can make the forklift break stably, ensures high durability and safety.
- Very small turning radius is only 1552mm and minimum right angle stacking aisle is only 3220mm.

ERGONOMICS

- With two step pedal easy to get into the driving cab.
- Adjustable steering wheel column, the driver can adjust the position according to his need.
- Integrated light switch and steering wheel.
- ABS instrument board in the driving-box is durable and beautiful.
- The design of the controlling lever position fit the Ergonomic principles which can reduce the driver's fatigue.
- clearly and wide view mast with good visibility.
- Emergency power cut off plug for emergency stop.

SERVICE ABILITY

- Easy maintained controller and steering potentiometer.
- maintenance free wet disk brake.
- Lifting and driving AC motors without carbon brush free to maintain, which greatly reduce maintenance cost. And they all adopt external encoder, so the maintenance and service is more convenient.
- BDI with overall discharge protecting system.
- Braking oil cup is installed on the instrument panel, so as to check and add braking oil conveniently.
- Side way battery box is easy to change battery. it is safety and convenient.

