

3 Wheel Electric Forklift



Model: CPD20SA-16/18/20

AC

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

Dual Front Driving Wheel



Wet disc brake



Muti-function display



Sideway battery box



Advantages:

SAFETY AND STABILITY

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

ERGONOMICS

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

SERVICE ABILITY

- 1. Easy maintained controller and steering potentiometer.
- 2. maintenance free wet disk brake.
- 3. 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.
- 4. BDI with overall discharge protecting system.
- 5. Braking oil cup is installed on the instrument panel, so as to check and add braking oil conveniently.
- 6. Side way battery box is easy to change battery . it is safety and convenient.

Features	1.2	Manufacturer's type designation			
		CPD20SA-16	CPD20SA-18	CPD20SA-20	
1.3	Drive: electric (battery type, mains, ...), diesel, petrol, fuel gas	Electric	Electric	Electric	
	Operator type: hand, pedestrian, standing, seated, order-picker	Seated	Seated	Seated	
	Rated capacity/rated load	Q (kg)	1600	1800	2000
1.6	Load centre distance	c (mm)	500	500	500
	Load distance, centre of drive axle to fork	x (mm)	366	366	366
	Wheelbase	y (mm)	1362	1362	1465
2.1	Service weight	kg	3200	3350	3500
	Axle loading, laden front/rear	kg	3955/865	4166/914	4469/981
	Axle loading, unladen front/rear	kg	1425/1795	1455/1826	1625/1997
3.1	Tyres: solid rubber, superelastic, pneumatic, polyurethane	Solid rubber	Solid rubber	Solid rubber	
	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	
3.5	Wheels, number front/rear (x = driven wheels)	2x+2	2x+2	2x+2	
	Tread, front	b10 (mm)	920	937	937
	Tread, rear	b11 (mm)	165	165	188
4.1	Tilt of mast/fork carriage forward/backward	a/b (°)	3/6	3/6	3/6
	Height, mast lowered	h1 (mm)	2000-2660	2000-2660	2000-2660
	Free lift	h2 (mm)	Option	Option	Option
4.4	Lift	h3 (mm)	3000-6200	3000-6200	3000-6200
	Height, mast extended	h4 (mm)	4050-7250	4050-7250	4050-7250
	Height of overhead guard (cabin)	h6 (mm)	2013	2013	2013
4.8	Seat height relating to SIP/stand height	h7 (mm)	950	950	950
	Coupling height	h10 (mm)	560	560	560
	Overall length	l1 (mm)	2880	3000	3100
4.20	Length to face of forks	l2 (mm)	1930	1930	2030
	Overall width	b1/b2 (mm)	1077	1145	1145
	Fork dimensions DIN ISO 2331	s / e / l (mm)	40/100/950	40/120/1070	40/120/1070
4.24	Fork-carriage width	b3 (mm)	968	968	968
	Ground clearance, laden, below mast	m1 (mm)	90	90	90
	Ground clearance, centre of wheelbase	m2 (mm)	100	100	100
4.34.1	Aisle width for pallets 1000 × 1200 crossways	Ast (mm)	3120	3120	3200
	Aisle width for pallets 800 × 1200 lengthways	Ast (mm)	3220	3220	3300
	Turning radius	Wa (mm)	1552	1552	1652
5.1	Travel speed, laden/unladen	km/h	14/14	14/14	13/13
	Lift speed, laden/unladen	m/s	0.29/0.45	0.27/0.42	0.25/0.42
	Lowering speed, laden/unladen	m/s	0.45/0.43	0.45/0.43	0.45/0.43
5.8	Max.Gradeability, laden/unladen	%	15/20	15/20	15/20
	Service brake	Hydraulic	Hydraulic	Hydraulic	
	Drive motor rating S2 60 min	kW	2x4.75(AC)	2x4.75(AC)	2x4.75(AC)
6.2	Lift motor rating at S3 15%	kW	10(AC)	10(AC)	10(AC)
	Battery voltage/nominal capacity K5	(V)/(Ah) or kWh	48/420(490)	48/490(560)	48/560(640)
	Battery weight	kg	720(760)	760(800)	800(845)
10.2	Oil volume for attachments	ℓ/min	7.5	7.5	7.5
	Sound pressure level at the driver's seat	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: INMOTION, CURTIS.

