

3 Wheel Electric Forklift

Model: CPD20SA-16/18/20

Dual Front Driving Wheel



Wet disc brake



Muti-function display



Sideway battery box



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

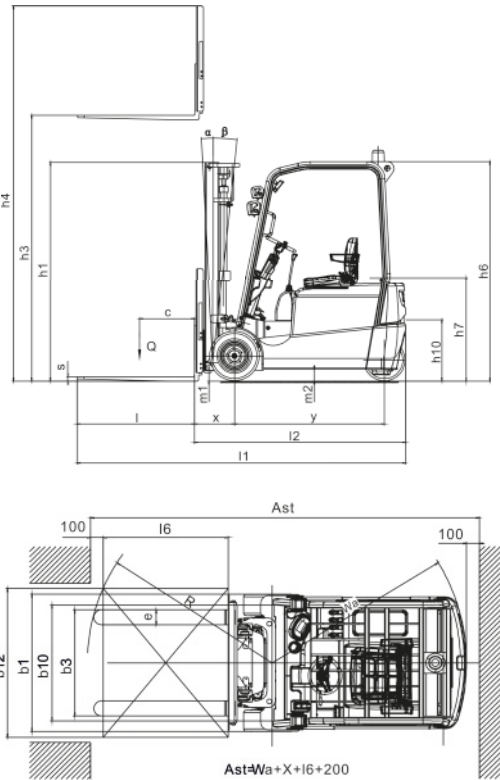
- Easy maintained controller and steering potentiometer.
- Maintenance free wet disk brake.
- Lifting and driving AC motors without carbon brush free to maintain, which greatly reduce maintenance cost. And they all adopt external encoder, so the maintenance and service is more convenient.
- BDI with 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.



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

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
Weight	1.4	Operator type: hand, pedestrian, standing, seated, order-picker	Seated	Seated	Seated
	1.5	Rated capacity/rated load	1600	1800	2000
Tyres/Chassis	1.6	Load centre distance	c (mm)	500	500
	1.8	Load distance, centre of drive axle to fork	x (mm)	366	366
Dimensions	1.9	Wheelbase	y (mm)	1368	1468
	2.1	Service weight	kg	3200	3350
Performance Data	2.2	Axle loading, laden front/rear	kg	3955/865	4166/914
	2.3	Axle loading, unladen front/rear	kg	1425/1795	1455/1826
Motors	3.1	Tyres: solid rubber, superelastic, pneumatic, polyurethane	Solid rubber	Solid rubber	Solid rubber
	3.2	Tyre size, front	18x7-8	200/50-10	200/50-10
Additional Data	3.3	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
Mast	3.6	Tread, front	b10 (mm)	920	937
	3.7	Tread, rear	b11 (mm)	165	188
Dimensions	4.1	Tilt of mast/fork carriage forward/backward	a/b (°)	3/6	3/6
	4.2	Height, mast lowered	h1 (mm)	2010	2010
Performance Data	4.3	Free lift	h2 (mm)	Option	Option
	4.4	Lift	h3 (mm)	3000	3000
Motors	4.5	Height, mast extended	h4 (mm)	4050	4050
	4.7	Height of overhead guard (cabin)	h6 (mm)	2013	2013
Additional Data	4.8	Seat height relating to SIP/stand height	h7 (mm)	950	950
	4.12	Coupling height	h10 (mm)	560	560
Mast	4.19	Overall length	l1 (mm)	2880	3000
	4.20	Length to face of forks	l2 (mm)	1930	1930
Dimensions	4.21	Overall width	b1/b2 (mm)	1077	1145
	4.22	Fork dimensions DIN ISO 2331	s / e / l (mm)	40/100/950	40/120/1070
Performance Data	4.24	Fork-carriage width	b3 (mm)	968	968
	4.31	Ground clearance, laden, below mast	m1 (mm)	90	90
Mast	4.32	Ground clearance, centre of wheelbase	m2 (mm)	100	100
	4.34.1	Aisle width for pallets 1000 × 1200 crossways	Ast (mm)	3120	3200
Additional Data	4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast (mm)	3220	3300
	4.35	Turning radius	Wa (mm)	1552	1652
Performance Data	5.1	Travel speed, laden/unladen	km/h	14/14	13/13
	5.2	Lift speed, laden/unladen	m/s	0.29/0.45	0.27/0.42
Motors	5.3	Lowering speed, laden/unladen	m/s	0.45/0.43	0.45/0.43
	5.8	Max.Gradeability, laden/unladen	%	15/20	15/20
Additional Data	5.10	Service brake	Hydraulic	Hydraulic	Hydraulic
	6.1	Drive motor rating S2 60 min	kW	2x4.75(AC)	2x4.75(AC)
Mast	6.2	Lift motor rating at S3 15%	kW	10(AC)	10(AC)
	6.4	Battery voltage/nominal capacity K5	(V)/(Ah)	48/420(490)	48/490(560)
Performance Data	6.5	Battery weight	kg	720(760)	760(800)
	10.2	Oil volume for attachments	ℓ/min	7.5	7.5
Additional Data	10.7	Sound pressure level at the driver's seat	dB (A)	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.



CPD20SA-16/18/20											
Type	Lifting Height(H3)	Lowered height (H1)	Mast Extended Height(H4)		Free Lift Height (H2)		Mast Tilt Degree		Capacity		
			With backrest	Without backrest	With backrest	Without backrest	Forward	Backward	C=500 Without sideshift		
	mm	mm	mm	mm	mm	mm	deg	deg	Kg(CPD20SA-16)	Kg(CPD20SA-18)	Kg(CPD20SA-20)
2-stage mast wide view	2000	1510	3000	2570	0	0	3	6	1600	1800	2000
	2500	1720	3500	3070	0	0	3	6	1600	1800	2000
	2700	1695	3700	3270	0	0	3	6	1600	1800	2000
	3000	2010	4000	3570	0	0	3	6	1600	1800	2000
	3300	2160	4300	3870	0	0	3	6	1600	1800	2000
	3500	2260	4500	4070	0	0	3	6	1600	1800	2000
	3700	2360	4700	4270	0	0	3	6	1550	1750	1950
	4000	2510	5000	4570	0	0	3	6	1500	1700	1900
	4500	2760	5500	5070	0	0	3	6	1300	1450	1650
	4800	2910	5800	5370	0	0	3	6	1150	1350	1550
2-stage full free lifting	5000	3010	6000	5570	0	0	3	6	1050	1250	1450
	2000	1510	3000	2570	510	940	3	6	1600	1800	2000
	2500	1850	3500	3070	850	1280	3	6	1600	1800	2000
	3000	2100	4000	3570	1100	1530	3	6	1600	1800	2000
	3300	2250	4300	3870	1250	1680	3	6	1600	1800	2000
	3500	2400	4500	4070	1400	1830	3	6	1600	1800	2000
	3700	2500	4700	4270	1500	1930	3	6	1550	1750	1950
3-stage full free lifting	4000	2650	5000	4570	1650	2080	3	6	1500	1700	1900
	4000	1900	5000	4570	900	1330	3	6	1500	1700	1900
	4500	2110	5500	5070	1110	1540	3	6	1300	1450	1650
	4800	2210	5800	5370	1210	1640	3	6	1150	1350	1550
	5000	2270	6000	5570	1270	1700	3	6	1050	1250	1450
	5600	2470	6600	6170	1470	1900	3	6	700	850	1050
	6000	2610	7000	6570	1610	2040	3	6	550	650	800
	6200	2670	7200	6770	1670	2100	3	6	450	500	600
	6500	2770	7500	7070	1770	2200	3	6	300	400	550
	7000	2940	8000	7570	1940	2370	3	6	100	200	350

