



AUTHORISED XILIN DEALER, IRELAND

Xilin CPD20SA

Product brochure

Supplied, serviced and supported in Ireland by AWE Forklifts

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Manufacturer brochure follows. Contact AWE for a written quote, demo or on-site visit.

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

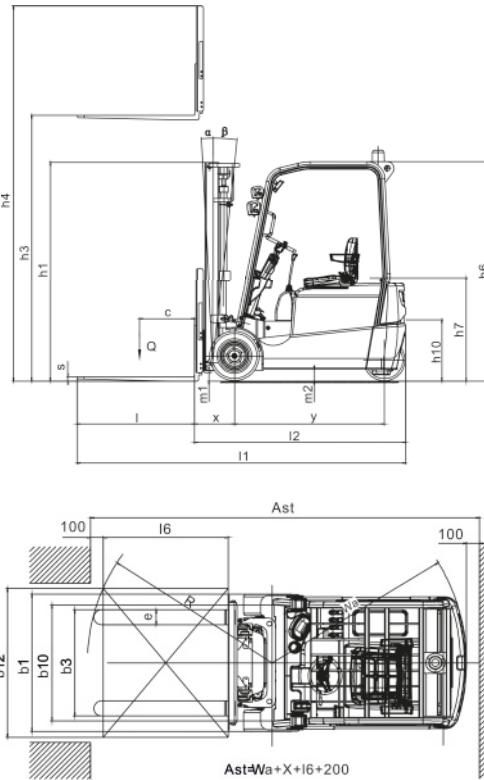
- Easy maintained controller and steering potentiometer.
- Maintenance free wet disk brake.
- Lifting and driving AC motors without carbon brush free to maintain, which greatly reduce maintenance cost. And they all adopt external encoder, so the maintenance and service is more convenient.
- BDI with 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	Q (kg)	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
Performance Data	4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast (mm)	3220	3300
	4.35	Turning radius	Wa (mm)	1552	1652
Motors	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
Additional Data	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
Mast	5.10	Service brake	Hydraulic	Hydraulic	Hydraulic
	6.1	Drive motor rating S2 60 min	kW	2x4.75(AC)	2x4.75(AC)
Performance Data	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)
Additional Data	6.5	Battery weight	kg	720(760)	760(800)
	10.2	Oil volume for attachments	l/min	7.5	7.5
Mast	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	
	mm	mm	mm	mm	mm	mm	mm	mm	deg	deg
2-stage mast wide view	2000	1510	3000	2570	0	0	3	6	1600	1800
	2500	1720	3500	3070	0	0	3	6	1600	1800
	2700	1695	3700	3270	0	0	3	6	1600	1800
	3000	2010	4000	3570	0	0	3	6	1600	1800
	3300	2160	4300	3870	0	0	3	6	1600	1800
	3500	2260	4500	4070	0	0	3	6	1600	1800
	3700	2360	4700	4270	0	0	3	6	1550	1750
	4000	2510	5000	4570	0	0	3	6	1500	1700
	4500	2760	5500	5070	0	0	3	6	1300	1450
	4800	2910	5800	5370	0	0	3	6	1150	1350
2-stage full free lifting	5000	3010	6000	5570	0	0	3	6	1050	1250
	2000	1510	3000	2570	510	940	3	6	1600	1800
	2500	1850	3500	3070	850	1280	3	6	1600	1800
	3000	2100	4000	3570	1100	1530	3	6	1600	1800
	3300	2250	4300	3870	1250	1680	3	6	1600	1800
	3500	2400	4500	4070	1400	1830	3	6	1600	1800
	3700	2500	4700	4270	1500	1930	3	6	1550	1750
	4000	2650	5000	4570	1650	2080	3	6	1500	1700
	4500	2900	5500	5070	1900	2330	3	6	1300	1450
	4800	3050	5800	5370	2050	2480	3	6	1150	1350
3-stage full free lifting	5000	3200	6200	5770	2200	2630	3	6	1050	1250
	5500	3450	6700	6070	2450	2880	3	6	700	850
	6000	3700	7000	6370	2700	3130	3	6	550	650
	6200	3800	7200	6470	2800	3230	3	6	450	500
	6500	3950	7350	6620	2950	3380	3	6	300	350
	7000	4200	7600	6920	3200	3630	3	6	100	100
	7500	4450	7850	7170	3450	3880	3	6	100	100
	8000	4700	8100	7420	3700	4130	3	6	100	100
	8500	4950	8350	7670	3950	4380	3	6	100	100
	9000	5200	8600	7920	4200	4630	3	6	100	100

