

Stand-up Electric Forklift



Model: CPD20SR AC



More productive and comfortable operation space



Multi-function control Joy-stick



Advantages:

SAFETY AND STABILITY

- This feature appears especially important when in or out of the container, and carrying goods in congested area and narrow aisle. Standing type design with wide view ,clear visibility.
- Imported drive wheel and mast .
- With multi-function LED display with BID can be programmed , include battery discharge ,faulty code ,drive direction ,hour meter, brake situation etc.
- Advanced AC control system offers strong driven ability. No brush with generative brake.
- Offers three type driven speed : low speed , normal speed, high speed . You may choice according to different request .
- Multi-function type joy stick can control forward, reverse , mast lifting/lowering , tilting and sideshift etc .easy to operate .
- Germany made magnetic multi-valve , with proportional valve and offers adjustable lifting/lowering speed .
- Wet disc brake .
- With small turning radius 1440mm and aisle width smallest is 3060mm.

OFFERS 6 TYPE CONTROL SPEED

- **System Controlled Hydraulic Speeds:** The hydraulic system automatically controls tilt and stable side-shift speed to increase forklift stability and operator confidence.
- **Travel Speed Control:** truck can automatically controls travel speeds and braking based on fork height and other operating conditions.
- **Cornering Speed Control:** the truck will automatically adjust travel speed when steering.
- **Ramp Speed Control:** The intelligent control system can maintains holds truck stopped on the ramp until the operator start travel forward at a constant speed.
- **Safe Speed Control:** The forklift will slow down automatically if the foot of the operator places out of the standing platform.
- **Lift/lower Speed Control**
The operator can adjust the lift and lower speed by control handle.

ERGONOMICS

- With adjustable armrest, comfortable and stable. Suit for different height driver using.
- Large compartment for standing, with foot relax plate, can effectively relax foot while static operation.
- The standing platform has a good shock absorption, conform to ergonomic design to make the operation more comfortable.
- The adjustable armrest and seat provides padded support to ensure the hand comfortable and stable, and meet different requirements for the operators.

SERVICE ABILITY

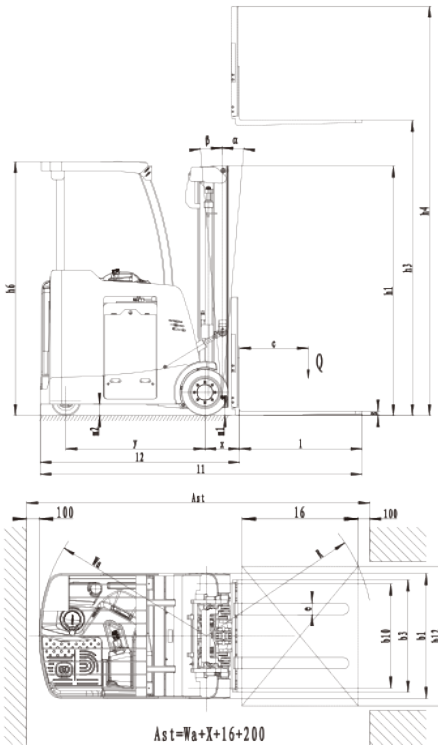
- Easy reach to electrical system while open the front cover, easy for maintenance.
- Driving motor and lifting motor are all with AC system, brushless easy to maintain, external encoder is easy to replace.
- Sideway moving battery with lock system it is convenience for maintenance.
- Lifting function will be cut off while battery discharge is over 80%.
- The multi-function display with error code can easy to check troubles of truck.

Option

- Reading light
- Electric fan
- Sideshift and other attachment of the forklift

		1.2	Manufacturer's type designation	CPD20SR-16	CPD20SR-18
Features	1.3	Drive:	electric (battery type, mains, ...), diesel, petrol, fuel gas	Electric	Electric
	1.4	Operator type:	hand, pedestrian, standing, seated, order-picker	Standing	Standing
	1.5	Rated capacity/rated load	Q (kg)	1600	1800
	1.6	Load centre distance	c (mm)	600	600
	1.8	Load distance, centre of drive axle to fork	x (mm)	310	310
	1.9	Wheelbase	y (mm)	1200	1260
Weight	2.1	Service weight	kg	3060	3250
	2.2	Axle loading, laden front/rear	kg	4780/830(4.8m)	4880/910
	2.3	Axle loading, unladen front/rear	kg	2130/1880(4.8m)	2260/1930
Tyres/Chassis	3.1	Tyres:	solid rubber, superelastic, pneumatic, polyurethane	Solid rubber	Solid rubber
	3.2	Tyre size, front		16x7x10.5	16x7x10.5
	3.3	Tyre size, rear		10x5x6.5	10x5x6.5
	3.5	Wheels, number front/rear (× = driven wheels)		2x+2	2x+2
	3.6	Tread, front	b10 (mm)	896	896
	3.7	Tread, rear	b11 (mm)	176	176
	4.1	Tilt of mast/fork carriage forward/backward	a/b (°)	5/5	5/5
Dimensions	4.2	Height, mast lowered	h1 (mm)	2215-2610	2215-2610
	4.3	Free lift	h2 (mm)	960-1350	960-1350
	4.4	Lift	h3 (mm)	4800-6000	4800-6000
	4.5	Height, mast extended	h4 (mm)	6055-7255	6055-7255
	4.7	Height of overhead guard (cabin)	h6 (mm)	2220	2220
	4.8	Seat height relating to SIP/stand height	h7 (mm)	230	230
	4.19	Overall length	l1 (mm)	2700	2760
	4.20	Length to face of forks	l2 (mm)	1780	1840
	4.21	Overall width	b1/b2 (mm)	1075	1075
	4.22	Fork dimensions DIN ISO 2331	s / e / l (mm)	40/100/920(1070)	40/100/920(1070)
	4.24	Fork-carriage width	b3 (mm)	968	968
	4.31	Ground clearance, laden, below mast	m1 (mm)	70	70
	4.32	Ground clearance, centre of wheelbase	m2 (mm)	90	90
	4.34.1	Aisle width for pallets 1000 × 1200 crossways	Ast (mm)	3060	3120
	4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast (mm)	3160	3220
Performance Data	4.35	Turning radius	Wa (mm)	1440	1500
	5.1	Travel speed, laden/unladen	km/h	11.5/12.0	11.5/12.0
	5.1.1	Travel speed, laden/unladen, backwards	km/h	11.5/12.0	11.5/12.0
	5.2	Lift speed, laden/unladen	m/s	0.28/0.40	0.26/0.40
	5.3	Lowering speed, laden/unladen	m/s	0.4/0.4	0.4/0.4
	5.7	Gradeability, laden/unladen	%	10/15	10/15
	5.8	Max.Gradeability, laden/unladen	%	10/12	10/12
	5.10	Service brake		Electromagnetic	Electromagnetic
	6.1	Drive motor rating S2 60 min	kW	2X4.5(AC)	2X4.5(AC)
	6.2	Lift motor rating at S3 15%	kW	10.0(AC)	10.0(AC)
Motors	6.4	Battery voltage/nominal capacity K5	(V)/(Ah)	36/800	36/900
	6.5	Battery weight	kg	920-980	1100-1160
Additional Data	10.1	Operating pressure for attachments	bar	16	16
	10.2	Oil volume for attachments	ℓ/min	7.5	7.5
	10.7	Sound pressure level at the driver's seat	dB (A)	68	68

Remark: The data is based on the lifting height 4800mm; Lifting height from 3000mm to 6500mm are available;



Mast Data(CPD20SR-16&18)									
Type	Lifting Height(H3)	Lowered height (H1)	Max Height of Mast Extended (H4)		Free Lifting Height (H2)		Mast Tilt Degree		Capacity
	mm	mm	With backrest	Without backrest	With backrest	Without backrest	Forward	Backward	C = 600 Without sideshift
2-stage mast wide view	3000	2030	4220	3570	0	0	5°	5°	1600
	3300	2180	4520	3870	0	0	5°	5°	1600
	3500	2280	4720	4070	0	0	5°	5°	1600
	3700	2380	4920	4270	0	0	5°	5°	1550
	4000	2530	5220	4570	0	0	5°	5°	1450
	4500	2830	5720	5120	0	0	5°	5°	1250
2-stage full free lifting	3000	2030	4220	3570	810	1390	5°	5°	1600
	3300	2180	4520	3870	960	1540	5°	5°	1600
	3500	2280	4720	4070	1060	1640	5°	5°	1600
	3700	2380	4920	4270	1160	1740	5°	5°	1400
	4000	2530	5220	4570	1310	1940	5°	5°	1350
3-stage full free lifting	4800	2135	6020	5395	960	1610	5°	5°	1020
	5000	2193	6220	5597	1018	1666	5°	5°	950
	5600	2393	6820	6197	1218	1866	5°	5°	800
	6000	2527	7220	6597	1352	2000	5°	5°	700
	6500	2694	7720	7098	1518	2166	5°	5°	500

