

# HELI

## AC ELECTRIC THREE-WHEEL FORKLIFT TRUCKS

G Series  
**1-2ton**  
Ac Power



CPD10S-CQ  
CPD10S-FQ  
CPD15S-CQ  
CPD15S-FQ  
CPD18S-FQ  
CPD18S-CQ  
CPD20S-CQ

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## THE FEATURES OF THE CPD10-20S

- Dual AC Drive motor.
- Wet-disc braking system.
- AC traction controller.
- Standard CAN-BUS.
- Interactive communication multifunction LED meter.
- Self-braking on ramp.
- New type of lower speed and bigger torque DC series lifting motor.
- Excellent MOSFET lifting speed controller.
- New type of low noise pump which is adopted the splitting-teeth technology.
- New technology of dynamic signal load sensing in hydraulic system.
- New type of integrated steering unit with the load sensing.
- Emergency power shut-down.
- Lifting speed being controlled steplessly.
- Electric controller self-protecting.
- Preventing abnormal operating.

### ● 2-MOTOR FRONT WHEEL DRIVE

Integrated drive unit is consisted of two independent AC drive motors of 4.5kw and compact drive axle in construction, having optimum acceleration and climbing capabilities.

### ● POWER-STEERING SYSTEM

With power steering assembly with twin wheels, the driver can easily operate turning. With electronic differential, the travel speed changes with the steering angle automatically so as to achieve the turning of truck at original place.

### ● HIGH EFFICIENCY

CPD10-20S series is adopted an excellent performance DC series lifting motor in design, which increases the lifting speed of no load, enhances productivity of the truck. This series yet is adopted advanced technology of dynamic signal load sensing in hydraulic system, which makes the truck hydraulic system is more efficient and more economical.

### ● LOW NOISE

CPD10-20S series is adopted a new type of integrated steering unit with the load sensing, eliminate the steering motor and steering pump, achieved hydraulic system driven by only single pump. This series is adopted the excellent performance DC motor and the low noise pump, it remarkably decrease noise of the driving and action of low speed lift, and the truck is more friendly to environment.

### ● USER-FRIENDLY LCD INSTRUMENTS

All the running states of the truck and trouble shooting message can be totally expressed in the form of relevant icons and displayed in the big-size LCD. It lets you get to know the relevant message more easily and dynamically.

### ● WET-DISC BRAKING SYSTEM

Operating brake:Foot operated oil-bathed multiple disc brake. Parking brake: hand operated cable brake and acted upon the oil-bathed multiple disc brake. Oil-bathed Multiple Disc Brake is helpful to prolong it's life and reduce the maintenance expense for it.

### ● BATTERY COMPARTMENT SIZE:

Model	Compartment Size	Battery Specifications	
	WD×LG×HT	Size	Standard
CPD10-15S-CQ	845×433×789	835×418×784	DIN 43531A
CPD10S-FQ	845×433×860	830×414×827	DIN 43531A
CPD15S-FQ	845×533×860	830×522×827	DIN 43531A
CPD18S-FQ	1040×460×660	1030×439×627	DIN 43531B
CPD18-20S-CQ	1040×540×660	1030×529×627	DIN 43531B

STANDARD DIMENSIONS (FRONT SINGLE TIRE)

① Manufacturer		HELI						
② Model		CPD10S-CQ	CPD10S-FQ	CPD15S-CQ	CPD15S-FQ	CPD18S-FQ	CPD18S-CQ	CPD20S-CQ
③ Load Distance	(mm)	339	339	343	343	356	356	356
④ Wheelbase	(mm)	1250	1250	1250	1350	1350	1455	1455
⑤ Mast Tilt Angle, forwards/backwards	(deg)	5/7	5/7	5/7	5/7	5/7	5/7	5/7
⑥ Height with mast lowered	(mm)	2220	2220	2220	2220	2220	2220	2220
⑦ Free lift	(mm)	125	125	125	125	130	130	130
⑧ Standard lift height	(mm)	3300	3300	3300	3300	3300	3300	3300
⑨ Height with mast extended	(mm)	4335	4335	4335	4335	4335	4335	4335
⑩ Overhead Guard Height	(mm)	2080	1980	2080	1980	1980	1980	1980
⑪ Fork Size	(mm)	31×100×770	31×100×770	35×100×920	35×100×920	38×100×920	38×100×920	40×122×920
⑫ Length to fork face	(mm)	1784	1784	1788	1888	1896	2016	2016
⑬ Overall Width	(mm)	1060/1070	1060/1070	1060/1070	1060/1070	1110/1140	1110/1140	1110/1140
⑭ Tread(front)	(mm)	926	926	926	926	925	925	925
⑮ Tread(rear)	(mm)	163	163	163	163	163	190	190
⑯ Ground Clearance, at mast, loaded	(mm)	90	90	90	90	90	90	90
⑰ Ground Clearance, at centre of wheelbase, loaded	(mm)	100	100	100	100	100	100	100
⑱ Turning Radius	(mm)	1445	1445	1445	1545	1540	1660	1660
⑲ Seat height	(mm)	1000	910	1000	910	910	910	910
⑳ Right Angle Stacking Aisle width (Pellet size: 1000x1000mm, Clearance:200mm)	(mm)	3075	3075	3090	3180	3185	3305	3305
㉑ Right Angle Stacking Aisle width (Pellet size: 1200x1200mm, Clearance:200mm)	(mm)	3300	3300	3300	3400	3410	3530	3530

