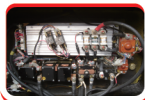


### Control (\*DC\*)

Separately Excited Motor (SEM) is a new type of DC motor where the field motor coil and armature receive power independently. This greatly improves motor performance providing increased acceleration and top speeds and reduced brush wear. One of the key benefits of Separately Excited Motor (SEM) is that it enables a significant amount of vehicular kinetic energy which is normally wasted during mechanical braking to be fed back to the battery, hence enhancing battery life. This regenerative braking is activated whenever accelerator pedal is released. The programmable controller represents the next level in drive system and is designed to provide smooth, silent, efficient and cost effective speed control. Output voltage at armature and current in field winding of the motor are controlled by varying switching frequency of MOSFETS. An infinitely variable speed can be obtained by throttle potentiometer.



### Italian SME AC

The management of aptitude power in any conditions of operation, guarantee the best electric supply status, keep the performance of forklift and accumulator balanced. this controller still provide 3 mode of power management:

- 1) Economic mode qualified the performance of accumulator control the limited performance of forklift
- 2) Standard mode balanced the performance of accumulator and forklift
- 3) Qualified mode qualified the performance of forklift control the limited performance of accumulator



### Ergonomic and comfortable seat

Concept of using ergonomic seat design, more comfortable and reliable. Optional full-suspension seat provides world-class comfort, which is adjustable for weight, leg room and back angle.



**Spacious and comfortable compartment.**  
Suspended type brake equipment offer easy and safe engagement.



**Smart design to functional handle**  
A proper mechanism to ensure a quick & effortless operation.



### Safe and comfortable device

The operator presence system provides additional protection for the operator by cutting power to the drive motors and locking out the hydraulic operation when the operator press the emergency switch.



### SME twin AC motor, Italy (\*AC\*)

The incorporation of SME developed components, including finely engineered helical gears, assures low noise, high quality and a longer service life. The front driving tyres with double motor which are two high performance, low noise, 3-way AC motors. Driving system is with strong traction and driving edit function. flexible driving, available to stop on the ramp when full load. The advantages is with strong traction and acceleration from zero to Max. speed with the control of aptitude moment and speed. It with high speed when straight going and transfer to lower speed automatic when turning.

### Standard Equipment

- MOSFET controller
- Standard fork
- Standard seat
- Cargo protecting shelf
- Backup light
- Backup buzzer
- Backup mirror
- Lighting switches
- Lighting shield
- Electronic horn
- Double piece multiple-frequency valve
- Direction switches
- Backup light set
- Durable tire with pattern
- Hour meter
- Idle shift indicator
- High visibility mast
- Guy cable parking brake
- Lift-leaning joy stick
- Lifting speed limiting valve
- Towing pin
- Front spotlight
- Lean and adjustable steering wheel
- Tilt oilway lockvalve
- Hydraulic turning
- Top ventilation device
- Joy stick
- Hand brake
- Water temperature meter
- Hour meter

### Optional Attachments

- Wide view 2-stage full free masts
- Wide view 3-stage full free masts
- Wide carriage
- Long forks
- Fork extension sleeves
- Side shift
- Hinged forks, bucket
- Load grad
- Paper roll clamp
- Carton clamp
- Rotating forks
- Multiple drum clamp
- Sleeve-in drum gripper
- Load stabilizer (with side shift)
- Load push pull
- Baked block clamp
- Crane arm
- Ram



### Optional Equipment and Accessories

- Front dual wheels and fender extension
- Solid tires
- All weather steel cabin
- Heater for steel cabin
- Color tire (white, green)
- Power brake
- Smoke reduction/spark arrester muffler
- Fire extinguisher
- Rear working light
- Custom colorpaint
- Auxiliary piping
- Auxiliary hydraulic valve modules
- Non-slip differential
- Overhead exhaust
- Headguard canvas
- 3-Fulcrums

### Fork Standard

Standard Equipment L x W x T mm	Width W mm	Thickness T mm	Length L mm							Suitable Forklift		
920×100×35	100	35	770	*920	1070	1220	1370	1520	1670	1820	1970	1.0~1.5T
1070×125×40	125	40	770	920	*1070	1220	1370	1520	1670	1820	1970	2.0T
1150×125×45	125	45	770	920	*1070	1220	1370	1520	1670	1820	1970	2.5~3.0T

Specifications and design are subject to change without prior notice. Machines shown may include optional equipment.

**SINOLIFT**  
For material handling

**CPD/CPD-J Series**

Electric Forklift

ISO9001  
CE



- Rated capacity: 1.0T/1.5T/2.0T/2.5T/3.0T
- Scientific ergonomic application
- High-capacity battery
- Separate excitation DC motor with MOSFET electric controller
- Twin AC motor with Italian S.M.E controller



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1-3T Electric balance Weigh forklift Teuac

- Arc streamline body, beautiful, wide visual view, low center of gravity, safety and high reliability.
- DC series with electric control system produced by American GE company, characterized by stepless speed adjustment, safety, reliability, electricity saving, sensitive, small heating and high efficiency, having function of brake regeneration, heat protection, too low battery capacity protection and instrument automatic testing trouble.
- Comparing with DC Motors, the AC motors provide operator with more smooth, sensitive and quicker response of operation. No more maintenance for AC motors, which can extend the service life of the motors.
- Electric control system is fitted inside the balance weight, good heat conduction efficiency, portable opening of back cover, easy to maintenance and service.
- Fully imported dual pedal accelerator, small and flexible steering wheel, big capacity battery and rubber handle.
- The lifting motor is arranged in the side of the frame, easy to maintenance and service.
- Adjustable driver's parts meet requirement of the human body engineering, low noise, no pollution and environmental protection.

Features:  
Flexibility, Quiet, Easy to drive, Efficiently

- Smooth vehicle control.
- Multi-valve control system and energy-efficient hydraulic system.
- Regenerative braking: -a) enhances life of brake shoe liners. -b) enhances period between consecutive battery charges.
- Easy trouble shooting with built-in diagnostics.
- Programmable truck characteristics to suit operating requirements.
- Lesser maintenance due to components.



Ergonomic Application

We use scientific ergonomic method to design those forklift truck, the operation space has been efficiently enlarged. The rough feeling of the driver has been reduced to the lowest extents.



High Capacity Battery

Because you open and close the battery cover for daily checking, access of battery cover is improved by using gas-spring with lock function Quick and easy battery change due to tilt-open cap module.



Traverse Cylinder

It has minibus turning radius, safe and reliable, and easy to install, with a service lift, it's not necessary to adjust the right and left steering angles, it uses tapered roller bearings to minimize play, extend durability, and reduce friction. Grease fittings are easily accessible for quick maintenance. In our new AC system electric forklift, we use the turning angle sensor makes the truck travel smoothly and safely when turning.



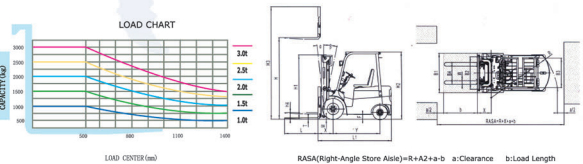
Import multifunction LCD instrument

The new multi-function LCD dash board provides more information for the operator, this LCD instrument is also waterproof and vibration-proof.

■ CPD/CPD-J Series 1.0T-3.0T Battery Forklift Specifications

General	Model	SINOLIFT									
		CPD10		CPD15		CPD20		CPD25		CPD30	
		CPD10	CPD15	CPD20	CPD25	CPD30	CPD10	CPD15	CPD20	CPD25	CPD30
Power type	Battery	Battery	Battery	Battery	Battery	Battery	Battery	Battery	Battery	Battery	
Rated capacity	kg	1000	1500	2000	2500	3000	1500	2000	2500	3000	
Load center	mm	500	500	500	500	500	500	500	500	500	
Free lift	H	mm	3000	3000	3000	3000	3000	3000	3000	3000	
Free center	E	mm	552	552	552	552	552	552	552	552	
Free wheel	mm	820x120x40	820x120x40	1070x120x40	1070x120x40	1070x120x40	820x120x40	820x120x40	1070x120x40	1070x120x40	
Fork outside spread (Min./Max.)	mm	200/960	200/960	240/1040	240/1040	250/1100	200/960	240/1040	240/1040	250/1100	
Max. tilt angle (forward/backward)	°/°	deg.	6/12	6/12	6/12	6/12	6/12	6/12	6/12	6/12	
Front overhang	mm	420	420	420	420	420	420	420	420	420	
Overall width	mm	906	906	906	906	906	906	906	906	906	
Wheel base	mm	1090	1090	1152	1152	1265	1090	1152	1152	1265	
Pinch beam height	mm	1095	1095	2060	2060	2040	1095	2040	2040	2040	
Free extended height	mm	4842	4842	4900	4900	4973	4842	4900	4900	4973	
Overhead guard height	mm	2462	2462	2359	2359	2325	2462	2325	2325	2325	
Turn radius	mm	1820	1820	2050	2100	2230	1820	2050	2100	2230	
Min. tilt angle side view	°	mm	1160	1160	2130	2130	2160	1160	2130	2160	
Min. tilt angle stacking side view	mm	1330	1330	1715	1715	1915	1330	1715	1715	1915	
Travel speed (no load / full load)	km/h	13.5/11.5	13/11	12.5/11	12.5/11	13/12	15/13	14/12	14/12	14.5/12	
Lifting speed (no load / full load)	mm/sec	400/200	390/285	400/260	390/250	380/250	400/200	420/210	420/200	420/280	
Max. pull force (full load)	KN	6	6.5	8	8	10	6.5	8	8	10	
Services weight	kg	2900	3120	4160	4360	4850	3120	4160	4360	4850	
Max. gradient	%	15	15	10	10	10	15	10	10	10	
Front	mm	6.50-8.00R	6.50-8.00R	7.00-8.25R	7.00-8.25R	7.00-8.25R	6.50-8.00R	7.00-8.25R	7.00-8.25R	7.00-8.25R	
Rear	mm	5.00-8.00R	5.00-8.00R	18.7-8.40R	18.7-8.40R	18.7-8.40R	5.00-8.00R	18.7-8.40R	18.7-8.40R	18.7-8.40R	
Front 33	mm	890	890	960	1040	1040	890	1040	1040	1040	
Rear 33	mm	590	590	590	590	590	590	590	590	590	
Wheelbase	mm	1260	1260	1590	1590	1630	1260	1590	1590	1630	
Wheel	mm	110R9.5	110R9.5	120R10.0	120R10.0	153R8.5	110R9.5	153R8.5	153R8.5	153R8.5	
Ground clearance (to load / full load)	mm	104R9.5	105R9.5	120R10.0	120R10.0	140R10.0	105R9.5	140R10.0	140R10.0	140R10.0	
Head	mm	400-430 (400-430) (400-430)	400-430 (400-430)	400-430 (400-430)	400-430 (400-430)	400-430 (400-430)	400-430 (400-430)	400-430 (400-430)	400-430 (400-430)	400-430 (400-430)	
Body	mm	4840 (4840)	4840 (4840)	4940 (4940)	4940 (4940)	4970 (4970)	4840 (4840)	4940 (4940)	4940 (4940)	4970 (4970)	
Weight	kg	2900 (3000)	3120 (3200)	4160 (4300)	4360 (4500)	4850 (5000)	3120 (3200)	4160 (4300)	4360 (4500)	4850 (5000)	
Power Weight	kg	760(810)	1180(1260)	1390(1500)	1560	1880(1940)	760(810)	1390(1500)	1560(1620)	1880(1940)	
Drive motor	mm	DC-2.5/3	DC-2.5/3	MT780	MT780	MT750	DC-2.5/3	MT780	MT750	MT780	
Red gear	mm	5.3/7.000 (6.000)	7.0/7.000 (6.000)	10.2/10.00	10.2/10.00	10.000	5.3/7.0	10.2/10.00	10.2/10.00	10.000	
Motor	mm	MD-8.1-2	MD-8.1-2	MD-8.1-2	MD-8.1-2	MD-8.1-2	MD-8.1-2	MD-8.1-2	MD-8.1-2	MD-8.1-2	
Lifting Motor	mm	8.2/1000 (8.000)	8.4/1000 (8.000)	10.2/1000	10.2/1000	10.2/1000	8.2/1000	10.2/1000	10.2/1000	10.2/1000	
Control	mm	American GE, electric excitation controller								Italian SMI, AC controller	

1. Operator's lifting height available.
2. Attachment available.
3. The specification in the table are for standard models only. All specifications indicated are subject to a variation of ± 15%, and may be further affected by operation conditions, optional fittings and accessories. Critical specification should be confirmed before placement of order. Specification are subject to change without notice, for further information, please contact us.



Notice:  
Vertical axis stands for load capacity while horizontal axis stands for load center/load center is the distance counted from the front of the fork. The load point of the standard load is the center point of the load; with the same dimensions in length, width and height, the load capacity should be lower if max. tilt is forward, using non-standard forks or loading goods with extra width, please the different load capacity between different load dimensions according to load chart.

■ Mast Specifications of CPD/CPD-J Series 1-3T Battery Forklift

2-Stage High-Visibility Mast	Mast model	Lifting Height	Lift Capacity										Overall Height of Mast						Free Lift						Mast Tilt Angle					
			1.1-1.8t		2.0t		2.5t		3.0t		1-1.5t		2-2.0t		2-2.5t		3t		1-1.5t		2-2.0t		1-1.5t		2-2.5t		3t			
			Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max		
CPD20	2000	2000	With Backrest		4-Fullturn Forklift		Lowered		Extended		Lowered		Extended		Lowered		Extended		Lowered		Extended		Lowered		Extended		Lowered		Extended	
			kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg
CPD25	2500	2500	1500	1500	2000	2000	2500	2500	1100	1100	1550	1550	1770	1770	2130	2130	2500	2500	162	162	145	145	162	162	145	145	162	162	145	145
CPD30	3000	3000	1500	1500	2000	2000	2500	2500	1100	1100	1540	1540	1760	1760	2120	2120	2490	2490	162	162	145	145	162	162	145	145	162	162	145	145
CPD40	4000	4000	1500	1500	2000	2000	2500	2500	1100	1100	1520	1520	1740	1740	2100	2100	2470	2470	162	162	145	145	162	162	145	145	162	162	145	145
CPD45	4500	4500	1500	1500	2000	2000	2500	2500	1100	1100	1500	1500	1720	1720	2080	2080	2450	2450	162	162	145	145	162	162	145	145	162	162	145	145
CPD50	5000	5000	1500	1500	2000	2000	2500	2500	1100	1100	1480	1480	1700	1700	2060	2060	2430	2430	162	162	145	145	162	162	145	145	162	162	145	145
CPD60	6000	6000	1500	1500	2000	2000	2500	2500	1100	1100	1460	1460	1680	1680	2040	2040	2410	2410	162	162	145	145	162	162	145	145	162	162	145	145

2-Stage Ultra-Vision Full Free Mast	Mast model	Lifting Height	Lift Capacity										Overall Height of Mast						Free Lift						Mast Tilt Angle					
			1.1-1.8t		2.0t		2.5t		3.0t		1-1.5t		2-2.0t		2-2.5t		3t		1-1.5t		2-2.0t		1-1.5t		2-2.5t		3t			
			Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max		
CPD30	3000	3000	With Backrest		4-Fullturn Forklift		Lowered		Extended		Lowered		Extended		Lowered		Extended		Lowered		Extended		Lowered		Extended		Lowered		Extended	
			kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg
CPD40	4000	4000	1500	1500	2000	2000	2500	2500	1100	1100	1540	1540	1760	1760	2120	2120	2490	2490	162	162	145	145	162	162	145	145	162	162	145	145
CPD45	4500	4500	1500	1500	2000	2000	2500	2500	1100	1100	1520	1520	1740	1740	2100	2100	2470	2470	162	162	145	145	162	162	145	145	162	162	145	145
CPD50	5000	5000	1500	1500	2000	2000	2500	2500	1100	1100	1500	1500	1720	1720	2080	2080	2450	2450	162	162	145	145	162	162	145	145	162	162	145	145
CPD60	6000	6000	1500	1500	2000	2000	2500	2500	1100	1100	1480	1480	1700	1700	2060	2060	2430	2430	162	162	145	145	162	162	145	145	162	162	145	145
CPD70	7000	7000	1500	1500	2000	2000	2500	2500	1100	1100	1460	1460	1680	1680	2040	2040	2410	2410	162	162	145	145	162	162	145	145	162	162	145	145
CPD80	8000	8000	1500	1500	2000	2000	2500	2500	1100	1100	1440	1440	1660	1660	2020	2020	2390	2390	162	162	145	145	162	162	145</					