

CPD20/25-FS/FH

STANDARD SPECIFICATIONS/
AVAILABLE OPTIONS

configuration	standard	option
lithium-ion Battery	lithium-ion Battery	Big capacity lithium-ion battery;Fast charging lithium-ion battery;Battery heating
tires	pneumatic	Solid pneumatic tires; Air Pneumatic dual tires;Solid Pneumatic dual tires; Non-mark pneumatic tires,control valve 2 way valve、 3 way valve、 4 way valve
light system	LED light F/R light protect guard	Warning lamp、 Rear work light、 license plate light、 Regional red warning lights(left、 right、 rear)、 blue spot light(front/rear)、 rear grip with horn button
Cold/warm system	/	Heater、 Air-condition(only cooling)
Intelligent Control System	OPS Control ;slope Parking ;Operator authority Card access;USB charging port	Automatic speed limit function for turning; Fleet management; AI Obstacle avoidance;reverse camera; Steering wheel active HYD system
Overhead guard	Overhead guard; Rain shelter	Cab;Front windshield;Three rear view mirrors; Transparent plastic top
Seat	Half surrounded comfort seat	Semi-suspension/Full-suspension seat/Grammer seat
mast	2 stage 3m mast	2 stage 3-6m Duplex mast; 2 stage 2.7-3.5m Full Free Lift mast 3 stage 3.6-6m Full Free Lift mast
Others	lowering cushion	Sideshifter ; Attachment



LG-PB-CPD20/25-FS/FH -052024-EN

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Media Platform



F Series Lithium
Battery Forklift Truck

CPD20/25-FS/FH



TOUGH WORLD.TOUGH EQUIPMENT.

MAIN FEATURES

Unique appearance,Maximum manoeuvrable

- The new family platform design,powerfull appreance, Modern design present fashion industry concept;
- Closed automotive Grade instrument platform, beautiful and elegant;
- Special-shaped steel overhead guard for easy cab installation.



Precise control ,comfortable

- The cockpit adopts ergonomic simulation design to bring the driver the driving experience of human-vehicle integration;
- Electro-hydraulic transmission system optimization and matching, acceleration is more agile, hydraulic micro-motion performance is better, more accurate control;
- Transmission, hydraulic, structure and covering parts adopt vibration and noise reduction design, and the vehicle noise is less than 65dB, reaching the industry-leading level;
- The semi-surround seat has good shock absorption performance and alleviates driving fatigue.



Strong power, Efficient and flexible

- High speed permanent magnet synchronous motor with large speed ratio transmission, acceleration response fast and excellent gradeability;
- Using large angle steering axle, small turning radius, more flexible operation;
- Steering axle hinge point is fixed in high position, good lateral stability, more comfortable driving.



Advanced platform, efficient and convenient

- A new generation of lithium electric forklift special platform, lower center of gravity, more stable driving;
- The side removeable lithium battery can achieve 3 minutes of quick exchange to meet the continuous operation of multiple shifts;
- The charging port is arranged on the side for easy charging.



RELIABLE



Reliable platform, confidently use

- The frame adopts layered layout design, the structural strength is 30% higher than the traditional model, and can adapt to heavy load application;
- The integrated casting steering axle used tapered roller bearings, which have higher strength and can easily cope with heavy and bumpy application;
- Vehicle protection level IPX4 core three electric protection level IP54 or above, meet all-weather operation;
- Truck uses LED lights, high brightness, service life of 20,000 hours

SAVE WORRY



Safe and intelligent, technological escort

- Equipped with a 4.3-inch intelligent LCD instrument, real-time display of vehicle status, three driving modes to select, so to meet the requirements of different working conditions;
- It is equipped with a steering wheel intelligent start system, which provides convenient operation when you hold it.

High efficiency and energy saving, low cost

- Permanent magnet synchronous system, higher efficiency, energy consumption is reduced by 15%-20%, lower using costs;
- Braking regenerative energy recovery system, longer battery work time;
- The charger can be setup to charge during the low electricity price period, charging cost reduced by 50%;
- Wide base tires, good wear resistance, long service life.



SAVE MONEY

Simple maintenance and low maintenance cost

- Maintenance-free lithium battery, service life of more than 5000 cycles;
 - Controller, pump motor, hydraulic tank and other same layers layout, open the hood can be maintained;
 - The lubrication points are arranged in the easy maintenance area, and the maintenance is simple
 - The dust-proof filter design of the charger can adapt to the operation of the dust environment.
- Charger dust proof filter design, can adapt to dust environment operation.

LOW TCO

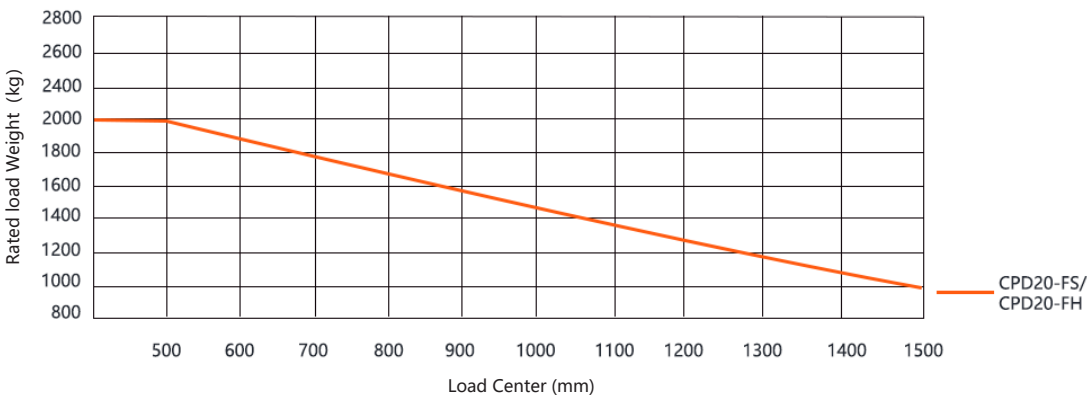
Robust and durable,High residual

- High-strength steel, high residual value, significant return on investment;
- The cover is scratch-proof and not easily damaged;
- Automotive-grade instrument panel has good durability;
- The headlight is protected by a metal guard and remains undamaged.



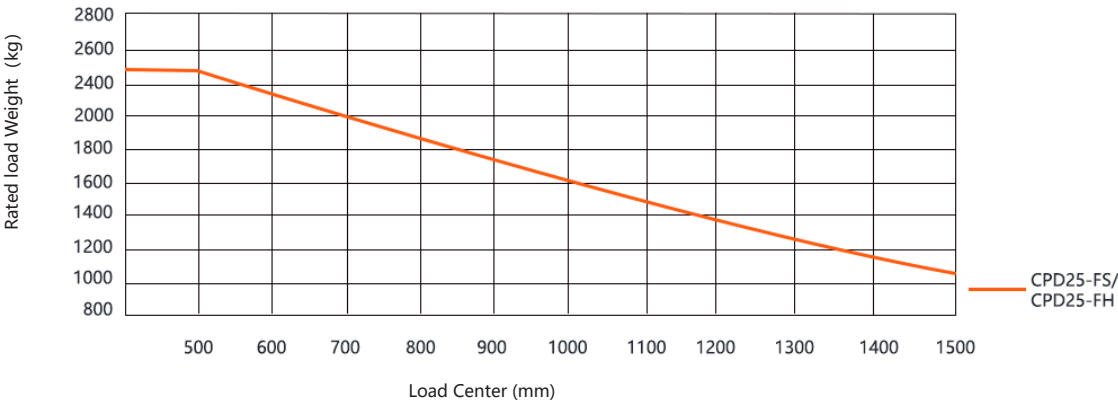
MAST AND CAPACITY INFORMATION

Mast type	Maximum Fork Height (MFH)	Mast Overall Lowered Height (OAL)	Free Lift with Load Backrest	Mast Tilt Angle (F/B)	Rated Load Capacity				Total Weight with Standard Forks
					With Standard Forks		With Sideshifter		
	mm			°	kg				kg
	20-FS/FH			20-FS/FH	20-FS	20-FH	20-FS	20-FH	20-FS/FH
Standard 2-Stage	3000	2030	90	6/12	2000	2000	1850	1850	3430
	3300	2180	90	6/12	2000	2000	1850	1850	3452
	3500	2280	90	6/12	2000	2000	1850	1850	3466
	4000	2580	90	6/6	2000	2000	1850	1850	3538
	4500	2830	90	6/6	1950	1950	1770	1770	3574
	5000	3080	90	6/6	1850	1850	1510	1510	3610
	5500	3380	90	6/6	1750	1750	1210	1210	3653
	6000	3630	90	6/6	1550	1550	880	880	3689
Full Free 2-Stage	2700	1950	862	6/12	1900	2000	1750	1750	3418
	3000	2100	1012	6/12	1900	2000	1750	1750	3460
	3300	2250	1162	6/12	1800	2000	1650	1650	3484
	3500	2350	1262	6/12	1800	2000	1650	1650	3500
Full Free 3-Stage	3600	1800	712	6/6	1800	2000	1650	1650	3577
	4000	1930	847	6/6	1800	2000	1650	1650	3606
	4500	2100	1012	6/6	1700	1950	1550	1550	3645
	4700	2170	1082	6/6	1600	1900	1450	1450	3661
	5000	2270	1182	6/6	1500	1850	1350	1350	3683
	5500	2520	1432	6/6	1200	1750	1050	1050	3768
	6000	2770	1682	6/6	900	1550	750	750	3821



MAST AND CAPACITY INFORMATION

Mast type	Maximum Fork Height (MFH)	Mast Overall Lowered Height (OAL)	Free Lift with Load Backrest	Mast Tilt Angle (F/B)	Rated Load Capacity				Total Weight with Standard Forks
					With Standard Forks		With Sideshifter		
	mm			°	kg				kg
	25-FS/FH			25-FS/FH	25-FS	25-FH	25-FS	25-FH	25-FS/FH
Standard 2-Stage	3000	2030	90	6/12	2500	2500	2350	2350	3720
	3300	2300	90	6/12	2500	2500	2350	2350	3742
	3500	2400	90	6/12	2500	2500	2350	2350	3756
	4000	2700	90	6/6	2500	2500	2350	2350	3828
	4500	2950	90	6/6	2420	2420	2270	2270	3864
	5000	3200	90	6/6	2160	2160	2010	2010	3900
	5500	3500	90	6/6	1860	1860	1710	1710	3943
	6000	3750	90	6/6	1560	1560	1410	1410	3979
Full Free 2-Stage	2700	2000	858	6/12	2400	2400	2250	2250	3722
	3000	2150	1008	6/12	2400	2400	2250	2250	3748
	3300	2300	1158	6/12	2300	2300	2150	2150	3772
	3500	2400	1258	6/12	2300	2300	2150	2150	3788
Full Free 3-Stage	3600	1920	778	6/6	2300	2300	2150	2150	3840
	4000	2055	913	6/6	2300	2300	2150	2150	3869
	4500	2220	1078	6/6	2100	2100	1950	1950	3908
	4700	2290	1148	6/6	1900	1900	1750	1750	3924
	5000	2390	1248	6/6	1600	1600	1450	1450	3945
	5500	2640	1498	6/6	1300	1300	1150	1150	4031
	6000	2890	1748	6/6	1000	1000	850	850	4084



PRODUCT SPECIFICATIONS

General	Model	1			CPD20-FS	CPD20-FH	CPD25-FS	CPD25-FH
	Power Type	2			Electric	Electric	Electric	Electric
	Base Capacity	3	Rated load center	kg	2000	2000	2500	2500
	Load Center	4		mm	500	500	500	500
Weights	Service Weight	5	Unloaded	kg	3430	3430	3720	3720
	Axle Load	6	Full load, front/rear	kg	4660/770	4660/770	5490/730	5490/730
		7	unloaded, front/rear	kg	1470/1960	1470/1960	1510/2210	1510/2210
Tires	Tire Type	8	Front /rear		Pneumatic tire	Pneumatic tire	Pneumatic tire	Pneumatic tire
	Wheels	9	Front wheel/rear wheel		2/2	2/2	2/2	2/2
	Wheelbase	10		mm	1600	1600	1600	1600
	Tire Size	11	Front Tire		7.00-12-12PR	7.00-12-12PR	7.00-12-12PR	7.00-12-12PR
		12	Rear wheel		18×7-8-14PR	18×7-8-14PR	18×7-8-14PR	18×7-8-14PR
	Tread Width	13	Front wheel/rear wheel	mm	968/976	968/976	968/976	968/976
Mast	Max. Fork Height	14	std 2-Stage mast	mm	3000	3000	3000	3000
	Free lift	15	std 2-Stage mast	mm	90	90	90	90
	Height, mast lowered	16	std 2-Stage mast	mm	2030	2030	2030	2030
	Height, mast extended	17	std 2-Stage mast	mm	4080	4080	4080	4080
	Mast tilt, fwd/back	18	std 2-Stage mast	°	6/12	6/12	6/12	6/12
	Fork carriage	19	Installation rating		2A	2A	2A	2A
	Fork spread	20	Min/Max	mm	244/1032	244/1032	244/1032	244/1032
	Fork dimensions	21	T x W x L	mm	40/122/1070	40/122/1070	40/122/1070	40/122/1070
Chassis	Overall Length (to thefront end of the fork)	22	std 2-Stage mast	mm	2415	2415	2415	2415
	Overall width	23		mm	1160	1160	1160	1160
	Overhead Guard Height	24		mm	2140	2140	2140	2140
	Turning Radius	25		mm	2095	2095	2095	2095
	Fork Overhang	26			455	455	455	455
	Right Angle Stack	27	AST1000×1200 Crossways	mm	3750	3750	3750	3750
	add load length and clearance	28	AST800×1200 Lengthways	mm	3950	3950	3950	3950
	Ground Clearance	29	minimum loaded	mm	115	115	115	115
		30	center of wheelbase	mm	110	110	110	110
Performance	Travel speed	31	Full load/unloaded	km/h	15/15	20/22	15/15	20/22
	Lift speed	32	Full load/unloaded	mm/s	320/450	460/560	320/450	460/560
	Lower speed	33	Full load/unloaded	mm/s	470/420	500/450	470/420	470/420
	Max. traction force	34	5-minute working system	KN	14	14	14	14
	Maximum Gradeability	35	Full load/unloaded	%	15/18	20/22	15/18	19/22
Systems	Electrical control, motor type	36	Permanent magnet synchronization					
	Drive motor power	37	S2 60min working system	kW	10	12	10	12
	Work pump motor power	38	S3 15%working system	kW	14	20	14	20
	Battery	39	Voltage	V	80	80	80	80
		40	Capacity	Ah	sta: 150 opt: 205/230/ 280/412/460	sta: 205 opt: 230/280/412	sta: 150 opt: 205/230/ 280/412/460	sta: 205 opt: 230/280/412

