

LONKING



**8.5-10t
E Series Counterbalance
Electric Forklift Truck**

More reliable

Long wheelbase design, the vehicle's longitudinal stability is stronger, the maximum lifting height and maximum inclination of the mast are significantly improved, and the overload capacity is strong.

The instrument has rich functions and can display power and fault codes to facilitate quick and accurate troubleshooting.

More efficient

The full AC controller, motor, and reduction box cooperate with the wheel reducer to achieve a large speed ratio, high efficiency in walking and lifting operations, and excellent climbing performance.

Double gun charging is optional to meet various charging needs and improve charging efficiency.

More comfortable

Using the latest electro-hydraulic lifting control system, it is easier to control the speed of lifting and lowering.

Safer

The electrical system has protection functions such as insulation detection, overvoltage, overcurrent, and overtemperature, making safety more secure.

Maintenance

The commonality with the supporting parts of the diesel forklift of the same tonnage is over 95%, and subsequent maintenance is convenient.



Product details and advantages



Mode adjustment button, speed can be quickly switched.



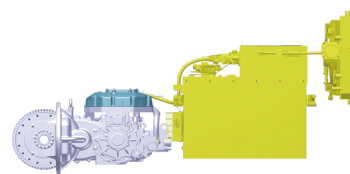
The waterproof level of all vehicle parts reaches IP65.



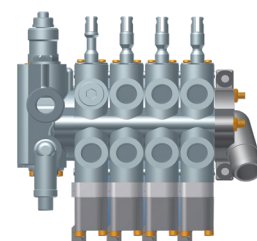
The battery operation cycle time is extended by 15%



LED lights throughout the car are brighter.



The electrical system adopts new energy vehicle-grade high-voltage technology.



Adopt the latest electro-hydraulic lifting control system

Character					
1.01	Manufacturer			LONKING	
1.02	Model			CPD85E	CPD100E
1.03	Power type			Electrical (AC)	
1.04	Rated capacity	Q	kg	8500	10000
1.05	Load center	J	mm	600	
Dimensions					
2.01	Max. height (with backrest)	H2	mm	4246	4400
2.02	STD Max lifing height	H	mm	3000	3000
2.03	Overhead guard height	H4	mm	2560	2560
2.04	Overall length (with fork)	L	mm	5465	5780
2.05	Wheelbase	L1	mm	2500	2800
2.06	Front overhang	L2	mm	705	720
2.07	Rear overhang	L3	mm	740	740
2.08	Min ground clearance (Chassis/Mast)	m1/m2	mm	300/245	300/245
2.09	Overall width (outside)	W1	mm	2165	2165
2.10	Fork adjustment range		mm	420-1950	450-2090
2.11	Fork size(STD)		mm	1520×170×70	1520×175×85
2.12	Front wheel tread	S	mm	1600	1600
2.13	Rear wheel tread	P	mm	1700	1700
2.14	Min tuming radius(outside)		mm	3650	3900
2.15	Min aisle width for pallet 1000x1200,crossways	Ast	mm	6075	6340
2.16	Min aisle width for pallet 800x1200,lengthways	Ast	mm	6075	6340
Tyres					
3.01	Capital W (F/R, X=Driven wheels)			X=4/2	
3.02	Tyres type (F/R)			Pneumatic	
3.03	Tyres size,front			9.00-20-14PR	
3.04	Tyres size,rear			9.00-20-14PR	
Performance and other details					
4.01	Max. travelling speed,loaded/unloaded		km/h	13/15	13/15
4.02	Lifting speed, loaded/unloaded		mm/s	340/400	280/300
4.03	Lowering speed,loaded/unloaded		mm/s	420/410	310/300
4.04	MAX. gradeability,loaded/unloaded		%	15/15	15/15
4.05	Service weight(with oil & water)		kg	12400	13300
4.06	Axle load, F/R(loaded)		kg	18360/2040	20970/2330
4.07	Axle load, F/R(unloaded)		kg	5580/6820	6000/7300
4.08	Drive motor		kw	35	
4.09	Lift motor		kw	26+26	
4.10	Controller			inmotion	
4.11	battery(voltage/capacity)		V/Ah	96/920	

Mast Type	Mast Model	H2 Max Lifting Height (mm)	Load Capacity (J=600mm) (kg)		H1 Lowered Mast Height(mm)		H3 Free Lifting Height (mm)		Mast Tilting Angle (°)α/β	
			CPD85	CPD100	CPD85	CPD100	CPD85	CPD100	CPD85	CPD100
2 Stage Standard Mast-Super Wide Field	M230	2300	/	10000	/	2495	200	215	/	10/12
	M250	2500	8500	/	2445	/			10/12	/
	M270	2700		10000	2545	2695				
	M300	3000			2695	2845				
	M330	3300			2845	2995				
	M350	3500			2945	3095				
	M375	3750			3070	3220				
	M400	4000			3245	3395				
	M425	4250			3370	3520				
	M450	4500			3495	3645				
	M475	4750	8200		3620	3770			6/6	6/6
	M500	5000	8200		3745	3895				
	M550	5500	7850	9000	4045	4195				
	M600	6000	7400	8000	4295	4445				
2 Stage Free Mast	ZM200	2000	8500	10000	2345		980	995	10/12	10/12
	ZM225	2250			2470		1105	1120		
	ZM250	2500			2595		1230	1245		
	ZM270	2700			2695		1330	1345		
	ZM300	3000			2845		1480	1495		
	ZM330	3300			2995		1630	1645		
	ZM350	3500			3095		1730	1745		
	ZM370	3700			3195		1830	1845		
	ZM400	4000			3395		2030	2045		
	ZM425	4250			3520		2155	2170	6/6	6/6
	ZM450	4500			3645		2280	2295		
3 Stage Free Mast	ZSM360	3600	7500	8000	2545		1180	1195	10/12	10/12
	ZSM400	4000			2675		1310	1325		
	ZSM435	4350			2795		1430	1445	6/6	6/6
	ZSM450	4500			2845		1480	1495		
	ZSM480	4800		7500	2945		1580	1595		
	ZSM500	5000		7500	3010		1645	1660		
	ZSM540	5400	7000	7000	3200		1835	1850		
	ZSM600	6000	6000	6400	3400		2035	2050		
	ZSM630	6300	5800	5800	3500		2135	2150		
	ZSM650	6500	5500	5800	3565		2200	2215		

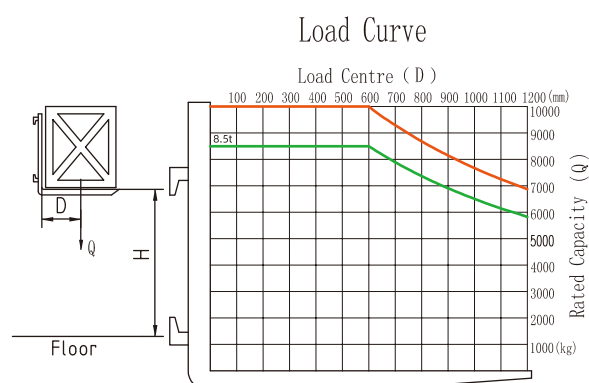
Note: Load capacity is reduced 500kg with optional side shifter for 8.5-10t forklift.

Configuration Option Sheet

E Series 8.5-10t

Configuration	Multi Function Display	Driving/lifting/steering Computer Controlled	Pedal Rubber	Lithium Battery	Emergency Stop Switch
	Full Set of LED Lights	Reversing Buzzer	Safety seat	Full-hydraulic Power Steering	Wide view mast
	Low Resistance Tyres	Four-piece Multiplex Valve	High Efficiency AC Drive Motor	Gear Pump with Low Noise	Energy Efficient Dynamic Signal
	Load Sensing Hydraulic System	Roof Weather Canopy	Charging Indicator	Electric Horn	Backup Mirror
	Traction Pin	Tool Box	Standard Forks	Lift, Tilt, Levers	
Optional	Cabin	Cold A/C	Heater	Suspension Seat	Lifting Potentiometer
	Battery Charger	Lithium Battery	Rotating Buzzer Warning Light	Rear Working Light	Warning Light
	Solid Tyres	Non Marking Tyres	Large Capacity Battery	Tailored backrest	Widen Fork Carriage
	Protective Net	Electric Fan	Reversing Handrail Horn	Corner Positioner	Reversing Radar
	Fork Extensions	Tilt cylinder protection	Steering cylinder protection	Custom Colours	Multiple Hydraulic Attachments
	Reversing Voice Horn				

Load Curve

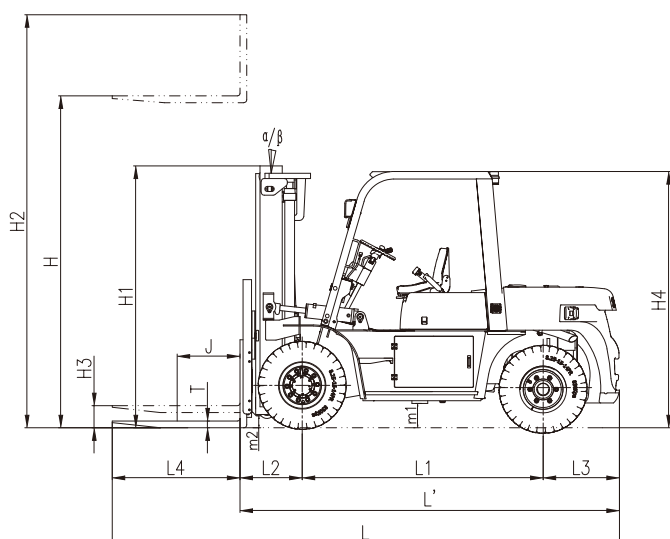


10t

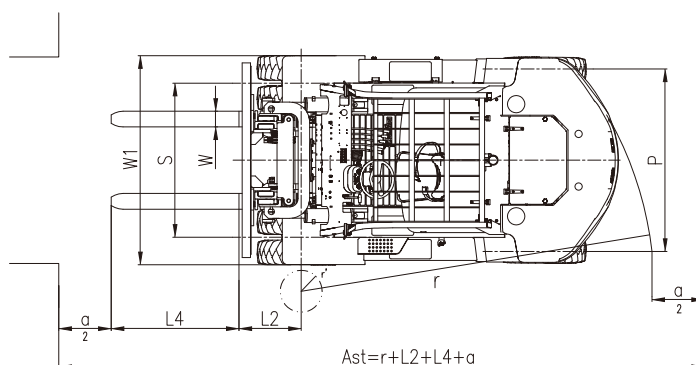
8.5t

Note: The vertical axis represents the rated lifting weight, and the horizontal axis represents the load center distance. The load center is calculated from the front of the fork, and the base point of the standard load refers to the center position of a cube with a load side length of 1000 mm. When the mast is tilted forward, non-standard forks are used, or loads exceeding the normal width are loaded, the load capacity will be reduced. Through the load curve chart, the carrying capacity of various load centers can be understood in time.

Structure Diagram



Ast : Right Angle Stacking Aisle Width
a : Clearance





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OHSAS45001:2023



ISO14001:2015



ISO9001:2015



CE CERTIFICATE



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