

LONKING



2-3.5t
**X series Internal Combustion
Counterbalance Forklift Truck**

- Optimize the position of the center of gravity of the whole vehicle and the distribution of the bridge load, the center of gravity is shifted back, the longitudinal stability is improved, and the load carrying capacity is enhanced.
- Optimize the hinge point of the tilting cylinder, effectively reduce the stress at the position of the door frame and frame tilting cylinder support, improve fatigue strength, more reliable and durable.
- Suspension roof rack design, the use of full suspension roof rack separated from the body, the frame and roof rack through a special shock absorber connection, effectively absorbing most of the vibration from the body.
- Dynamic load-sensing hydraulic steering system can reduce hydraulic loss and improve energy efficiency.
- The suspended running brake and optimized design of the hood increase the driver's leg space, and the overall driving space increases by 10%, making driving more comfortable.



Product details and advantages



Wide field of view mast improves the safety of stacking operations.



LED lights throughout the car are brighter.



Advanced ergonomic design, ample left space, Easy to operate and reduce fatigue.



The use of small diameter steering wheel and low torque steering gear, reduce driver arm fatigue, driving more comfortable.

Character					
1.01	Manufacturer			LONKING	
1.02	Model			CPCD30X	CPCD35X
1.03	Power type			Diesel	Diesel
1.04	Rated capacity	Q	kg	3000	3500
1.05	Load center	J	mm	500	500
Dimensions					
2.01	Max. height (with backrest)		mm	4110	4110
2.02	STD Max lifing height	H1	mm	3000	3000
2.03	Overhead guard height	H4	mm	2210	2210
2.04	Overall length (with fork)	L1	mm	3885	3930
2.05	Wheelbase	L2	mm	1750	1750
2.06	Front overhang	L3	mm	485	490
2.07	Rear overhang	L4	mm	580	620
2.08	Min ground clearance (Chassis/Mast)	m1/m2	mm	165/140	165/140
2.09	Overall width (outside)	W1	mm	1225	1225
2.10	Fork adjustment range		mm	252-1092	252-1092
2.11	Fork size(STD)		mm	1070×122×45	1070×122×50
2.12	Front wheel tread	S	mm	1000	1000
2.13	Rear wheel tread	P	mm	980	980
2.14	Min turing radius(outside)	R1	mm	2530	2560
2.15	Min aisle width for pallet 1000x1200,crossways		mm	4290	4320
2.16	Min aisle width for pallet 800x1200.lengthways		mm	4420	4450
Tyres					
3.01	Capital W (F/R, X=Driven wheels)			X=2/2	X=2/2
3.02	Tyres type (F/R)			Pneumatic	
3.03	Tyres size,front			28×9-15-14PR	
3.04	Tyres size,rear			6.50-10-10PR	
Performance and other details					
4.01	Max. travelling speed,loaded/unloaded		km/h	18/19	18/19
4.02	Lifting speed, loaded/unloaded		mm/s	485/500	400/420
4.03	Lowering speed,loaded/unloaded		mm/s		
4.04	MAX. gradeability,loaded/unloaded		%	25	25
4.05	Service weight(with oil & water)		kg	4160	4530
4.06	Axle load, F/R(loaded)		kg	6450/710	7220/810
4.07	Axle load, F/R(unloaded)		kg	1650/2510	1810/2720
4.08	Service brake			Power brake -pedal	
4.09	Parking brake			Mechanical-hand brake lever	
4.10	Transmission type			Electrical reversing hydraulic	
4.11	Fuel tanke capacity		L	70	70
4.12	Battery (voltage/capacity)		V/Ah		

Optional Engines

Engine model	Displacement	Manufacturer	Rated power	Max. torque(Nm/rpm)	Bore/cylinder No./displacement	Fuel consumption	Applicable model
DEF20CDF4	Euro V	YUNNEI	45kw/2400rpm	233/1500~1800	81mm/4//2.0L	205g/kW.h	3/3.5T

Mast Specifications

Mast Type	Mast Model	H2 Max Lifting Height (mm)	Load Capacity (J=500mm) (kg)				H1 Lowered Mast Height(mm)			H3 Free Lifting Height (mm)			Mast Tilting Angle (°)α/β
			2T	2.5T	3T	3.5T	2-2.5T	3T	3.5T	2-2.5T	3T	3.5T	
2 Stage Standard Mast	M200	2000	2000	2500	3000	3500	1525	1555	1670	140	145	150	6/12
	M250	2500	2000	2500	3000	3500	1775	1805	1920	140	145	150	6/12
	M270	2700	2000	2500	3000	3500	1875	1905	2020	140	145	150	6/12
	M300	3000	2000	2500	3000	3500	2025	2055	2170	140	145	150	6/12
	M330	3300	2000	2500	3000	3500	2175	2205	2320	140	145	150	6/12
	M350	3500	2000	2500	3000	3500	2275	2305	2420	140	145	150	6/12
	M370	3700	2000	2500	3000	3500	2375	2405	2520	140	145	150	6/12
	M400	4000	2000	2500	2950	3200*3400	2575	2605	2720	140	145	150	6/6
	M425	4250	1850*2000	2250*2500	2850*3000	3100*3300	2700	2730	2845	140	145	150	6/6
	M450	4500	1600*1900	2100*2400	2600*2800	2900*3100	2825	2855	2970	140	145	150	6/6
	M475	4750	1400*1800	1900*2200	2350*2600	2700*2900	2950	2980	3095	140	145	150	6/6
	M500	5000	1300*1700	1600*1900	2100*2400	2400*2750	3075	3105	3220	140	145	150	6/6
	M550	5500	1200*1500	1200*1700	2000*2400	2200*2400	3375	3405	3520	140	145	150	3/6
	M600	6000	1000*1300	900*1400	1500*2000	1800*2200	3625	3655	3770	140	145	150	3/6
	Note: * means capacity of double front wheels.												
2 Stage Free Mast	ZM200	2000	2000	2500	3000	3500	1525	1555	1670	910	860	895	6/12
	ZM250	2500	2000	2500	3000	3500	1775	1805	1920	1160	1110	1145	6/12
	ZM270	2700	2000	2500	3000	3500	1875	1905	2020	1260	1210	1245	6/12
	ZM300	3000	2000	2500	3000	3500	2025	2055	2170	1410	1360	1395	6/12
	ZM330	3300	2000	2500	3000	3500	2175	2205	2320	1560	1510	1545	6/12
	ZM350	3500	2000	2500	3000	3500	2275	2305	2420	1660	1610	1645	6/12
	ZM370	3700	2000	2500	3000	3500	2375	2405	2520	1760	1710	1745	6/12
	ZM400	4000	2000	2500	2850	3250*3500	2575	2605	2720	1960	1910	1945	6/6
	ZM450	4500	1600*1900	2100*2400	2600*2800	2900*3100	2825	2855	2970	2210	2160	2195	6/6
	Note: 2-2.5T free lifting height with backrest minus 395mm. 3T free lifting height with backrest minus 380mm. 3.5T free lifting height with backrest minus 295mm.												
Note: * means capacity of double front wheels.													
3 Stage Free Mast	ZSM360	3600	1900	2400	2900	3300	1840	1870		1225	1090	1095	6/6
	ZSM400	4000	1800*1900	2300	2800	3300	1975	2005		1360	1225	1230	6/6
	ZSM430	4300	1750*1900	2200*2400	2700*2900	2900*3100	2070	2100		1455	1320	1325	6/6
	ZSM450	4500	1600*1800	2000*2300	2500*2700	2800*3000	2140	2170		1525	1390	1395	6/6
	ZSM470	4700	1300*1700	1800*2100	2350*2550	2600*2800	2210	2240		1595	1460	1465	6/6
	ZSM480	4800	1250*1700	1700*2000	2250*2450	2500*2750	2240	2270		1625	1490	1495	6/6
	ZSM500	5000	1100*1600	1500*1800	2100*2300	2300*2600	2305	2335		1690	1555	1560	6/6
	ZSM550	5500	800*1300	1100*1500	1500*2000	1700*2200	2470	2500		1855	1720	1725	3/6
	ZSM600	6000	600*1100	800*1300	1200*1800	1300*2000	2690	2720		2075	1940	1945	3/6
	ZSM650	6500	400*800	600*1000	900*1500	1000*1600	2880	2910		2265	2130	2135	3/3
	ZSM700	7000	300*500	400*700	700*1200	700*1200	3085	3115		2470	2335	2340	3/3
	Note: 2-2.5T free lifting height with backrest minus 395mm. 3-3.5T free lifting height with backrest minus 295mm.												
Note: * means capacity of double front wheels.													

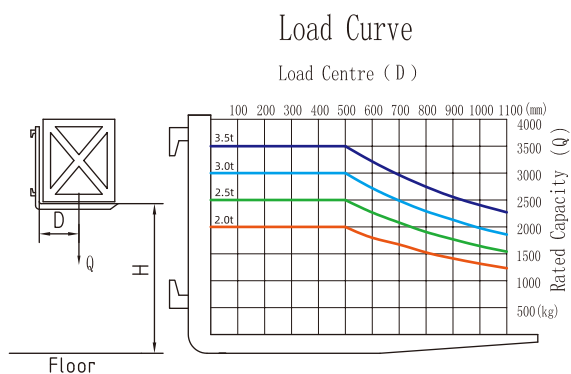
Note: Load capacity is reduced 150kg with optional side shifter for 2-2.5t forklift, and 200kg for 3-3.5t forklift.

Configuration Option Sheet

X Series 2-3.5t

Configuration	Hydraulic Gearbox	Electric Reversing	Overhead Guard	Roof Weather Canopy	Pedal Rubber
	Armrest Seat	Warning Light	Fork Carriage	Backrest	Standard Forks
	Adjustable Steering Column	Lift, Tilt, Levers	Two-piece Multiplex Valve	Fully-hydraulic Power Steering	Dynamic Load Sensing Steering
	Tilting Cylinder Latching Valve	Multi Function Display	Working Hour Meter	Oil Content Meter	Water-thermometer
	Charging Indicator	Neutral Position Switch	Oil Pressure Warning	Electric Horn	Full Set of LED Lights
	Reversing Buzzer	Backup Mirror	Traction Pin	Tool Box	
Optional	Solid Tyres	Cabin	Suspension Seat	Cold A/C	Heater
	Front Windscreen	Transparent Roof Cover	Double Air Filter (S4S NA)	Oil Bath Air Filter	Widen Fork Carriage
	Multiple Hydraulic	Custom Colours	Rear Handrail with Horn	Fire Extinguishing Muffler	Driving OPS
	Full Set OPS (Including drive and lift)	Reversing Voice Horn	Overspeed Alarm, 8km/h	Electric Fan	Sound-light Alarm
	Rear Working Light	Fork Extensions	Tilt cylinder protection	Steering cylinder protection	Double Row of Wheels
	Emergency Stop Switch				

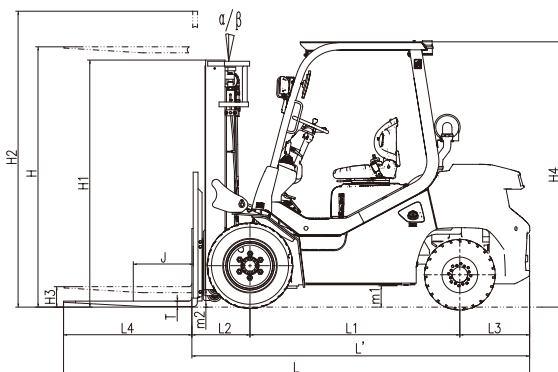
Load Curve



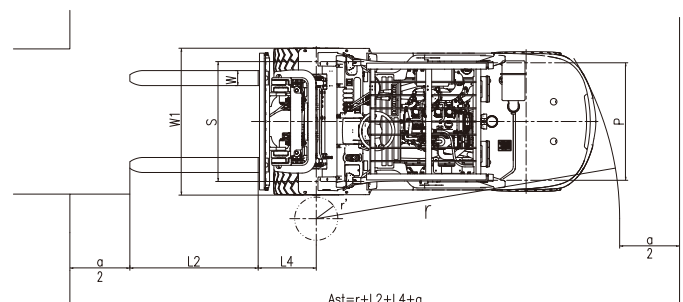
— 3.5t
— 3.0t
— 2.5t
— 2.0t

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





LONKING



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OHSAS45001:2023



ISO14001:2015



ISO9001:2015



CE CERTIFICATE



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