

LONKING



12-13.5t
LG series Internal Combustion
Counterbalance Forklift Truck



■ Good Heat Dissipation

Cooling system is reasonable optimized, which improves cooling performance significantly. Thus improving reliability and durability of key components such as gearbox and engine.

■ Lowering Energy

Optimized design of hydraulic system, Adopt domestic or foreign mature hydraulic parts, reduce fuel consumption.

■ Operating Comfort

Adopted interactive ergonomic design to improve operating comfort. Equipped with wide field of view mast to improve driver's field of view.

■ Intelligent Reversing

Electro-hydraulic Reversing System. Easy to operate and labor-saving. Intelligent shift system prevent the second gear starting, ensure reliability of gearbox.

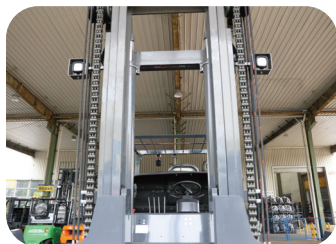
■ Convenient Maintenance

Interior space of car body is more spacious. Parts Positions are more reasonable. ZF and DANA gearboxes adopt TCU control with fault diagnosis to simplify maintenance.

■ High Reliability

Strength of the core structural parts of car body, mast and hood has been enhanced greatly to make whole vehicle more solid.

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.



Large wheelbase design, higher longitudinal stability of the vehicle, strong overload capacity, lightweight design, and low energy consumption of the vehicle.

Overall Specifications

LG Series 12-13.5t

Character					
1.01	Manufacturer			LONKING	
1.02	Model			LG120DT	LG135DT
1.03	Power type			Diesel	
1.04	Rated capacity	Q	kg	12000	13500
1.05	Load center	J	mm	600	600
Dimensions					
2.01	Max. height (with backrest)		mm	4668	4742
2.02	STD Max lifing height	H1	mm	3000	3000
2.03	Overhead guare height	H4	mm	2610	2974
2.04	Overall length (with fork)	L	mm	5945	6712
2.05	Wheelbase	L1	mm	2950	3250
2.06	Front overhang	L2	mm	753	785
2.07	Rear overhang	L3	mm	720	857
2.08	Min ground clearance (Chassis/Mast)	m1/m2	mm	360/266	280/280
2.09	Overall width (outside)	W1	mm	2350	2740
2.10	Fork adjustment range		mm	500-2190	470-2380
2.11	Fork size(STD)		mm	1520×200×85	1820×200×85
2.12	Front wheel tread	S	mm	1724	2068
2.13	Rear wheel tread	P	mm	1850	2120
2.14	Min turning radius(outside)	r	mm	4300	4500
2.15	Min aisle wiathlerfor pallet 1000x1200,crossways		mm	6775	7300
2.16	Min aisle width for pallet 800x1200.lengthways		mm	6775	7300
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			10.00-20-16PR	11.00-20-18PR
3.04	Tyres size,rear			10.00-20-16PR	11.00-20-18PR
Performance and other details					
4.01	Max. travelling speed,loaded/unloaded		km/h	25/27	25/27
4.02	Lifting speed, loaded/unloaded		mm/s	350/370	360/400
4.03	Lowering speed,loaded/unloaded		mm/s	350/310	410/320
4.04	Max. traction force(loaded)		KN	85	85
4.05	MAX. gradeability,loaded/unloaded		%	25/20	25
4.06	Service weight(with oil & water)		kg	15300	18000
4.07	Axle load, F/R(loaded)		kg	24900/2400	28100/3400
4.08	Axle load, F/R(unloaded)		kg	7200/8100	9100/8900
4.09	Service brake			Air over hysraulic brake-pedal	
4.10	Parking brake			Mechanical-hand brake lever	
4.11	Transmission type			Electrical gear box	
4.12	Gear NO.(F/R)			2/2	2/2
4.13	Fuel tanke capacity		L	200	200
4.14	Battery (voltage/capacity)		V/Ah	2×12/90	2×12/90

Optional engines

Engine model	Displacement	Manufacturer	Rated power	Max. torque(Nm/rpm)	Bore/cylinder No./displacement	Fuel consumption	Applicable model
CA6DF3-16GAG3U	CHN III	XICHA	118kW/2200rpm	640/1300-1700	110/6/7.127	230kg/kW.h	LG120/135DT
QSB4.5-C160	EURO IIIA	CUMMIUS	119kW/2200rpm	624/1500	107/4/4.5	230kg/kW.h	LG120DT

Mast Specifications

12T mast specifications

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
			LG120DTIII			
2 Stage Standard Mast-Super Wide Field	M300	3000	12000	3168	/	10/11
	M330	3300		3318		
	M350	3500		3418		
	M370	3700		3518		
	M400	4000		3668		
	M450	4500	11500	3968		6/6
	M500	5000	11000	4218		
	M550	5500	10500	4498		
	M600	6000	10000	4748		
3 Stage Free Mast	ZSM400	4000	11500	2675	1415	6/6
	ZSM450	4500	11500	2845	1575	
	ZSM500	5000	11000	3025	1755	
	ZSM550	5500	10000	3330	2060	
	ZSM600	6000	9500	3445	2185	

13.5T mast specifications

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
			LG135DT			
2 Stage Standard Mast	M260	2600	13500	3042	/	6/12
	M300	3000		3242		
	M350	3500		3492		
	M400	4000		3742		
	M450	4500		3992		
	M500	5000		4292		
	M550	5500	12500	4542		3/6
	M600	6000	11500	4842		
	M650	6500	10500	5092		
3 Stage Free Mast	ZSM450	4500	12000	3240	637	6/6
	ZSM500	5000	12000	3405	717	
	ZSM550	5500	11000	3675	907	3/6
	ZSM600	6000	9500	3840	987	

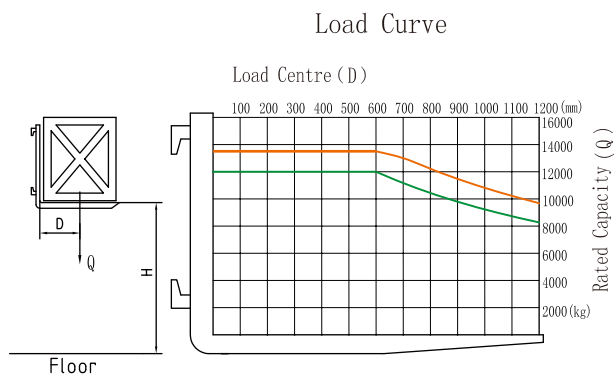
Note: Load capacity is reduced 600kg with optional side shifter for 12-13.5t forklift.

Configuration Option Sheet

LG Series 12-13.5t

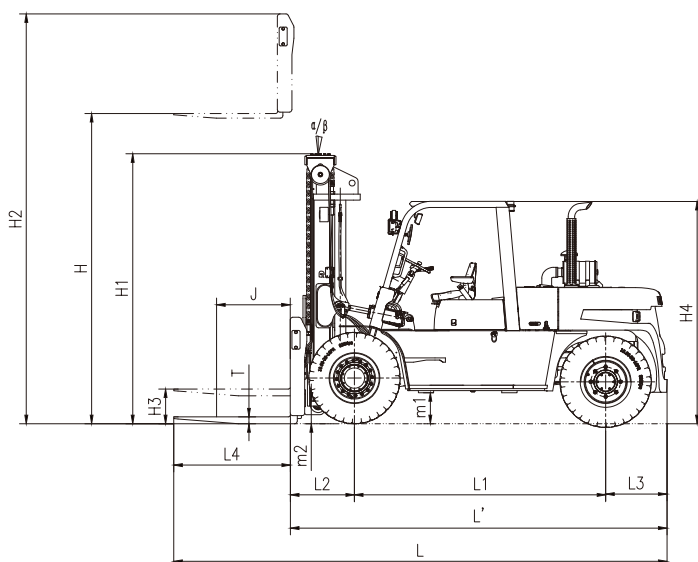
Configuration	Overhead Guard	Torque Converter Oil Temperature Alarm	Pedal Rubber	Suspension Seat	Automatic Shift
	Electro-hydraulic Reversing	Wide view mast(2 Stage)	Fork Positioner	Multi Function Display	Working Hour Meter
	Oil Content Meter	Water-thermometer	Key Shutoff Device	Neutral Position Switch	Power Master Switch
	Tilt-adjustable Steering Column	High Level Exhaust	Rear Working Light	Warning Light	Oil Pressure Warning
	Electric Horn	Full Set of LED Lights	Lifting/Tilting/Positioning Joystick	Full-hydraulic Power Steering	Tilting Cylinder Latching Valve
	Transmission Oil Filter	Hydraulic Return Filter	Push-button Parking Brake	Driving OPS	Traction Pin
	Tool Box				
Optional	Cabin(12T)	A/C(12T)	Rear Camera	Heater	Front Windscreen
	Solid Tyres	Full Set OPS(Including drive and lift)	Overspeed Alarm,10km/h	Sound-light Alarm	Purification Muffler
	Fire Extinguishing Muffler	Purification Muffler	Fork Extensions	Tilt cylinder protection	Steering cylinder protection
	Custom Colours	Multiple Hydraulic Attachments			

Load Curve

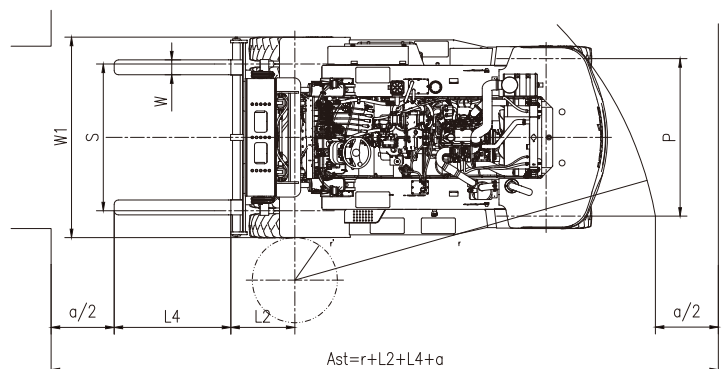


Note: The vertical axis represents the rated lifting weight, and the horizontal axis represents the load center distance. The load center is calculated from the front of the fork, and the base point of the standard load refers to the center position of a cube with a load side length of 1000 mm. When 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



UKCA CERTIFICATE

