

LONKING



4-5t
**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 Consumption

Optimized design of load sensing hydraulic system reduces vehicle fuel consumption effectively.

■ 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. Upgrade new intelligent shift system, prevent the second gear starting, ensure reliability of gearbox.

■ Convenient Maintenance

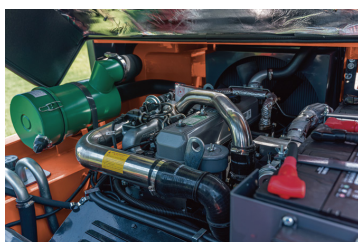
Interior space of car body is more spacious. Parts Positions are more reasonable. Opening angle of hood is increased to 80°. Maintainability of machine is better.

■ High Reliability

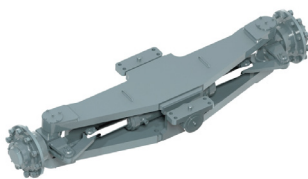
Strength of the core structural parts of car body, mast and hood has been enhanced greatly to make whole vehicle more solid.



Product details and advantages



It is equipped with engines that meet the non-road CHN IV emission standards and adopts turbocharging technology, which is powerful.



The hydraulic system adopts load sensing technology (steering priority) to make lifting/tilting operations more efficient.



Reliable step-by-step operation. Pointer instrument, water temperature, oil temperature and driving time are clear at a glance.



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



The hood opening angle is increased to 80°, making maintenance more convenient.



The steering wheel angle is adjustable, applicable to a wide range of people.

Character						
1.01	Manufacturer			LONKING		
1.02	Model			LG40DTIV	LG45DTIV	LG50DTIV
1.03	Power type			Diesel		
1.04	Rated capacity	Q	kg	4000	4500	5000
1.05	Load center	J	mm	500	500	500
Dimensions						
2.01	Max. height (with backrest)	H2	mm	4066	4066	4066
2.02	STD Max lifing height	H	mm	3000	3000	3000
2.03	Overhead guard height	H4	mm	2250	2250	2250
2.04	Overall length (with fork)	L	mm	4245	4265	4309
2.05	Wheelbase	L1	mm	2100	2100	2100
2.06	Front overhang	L2	mm	550	550	550
2.07	Rear overhang	L3	mm	520	540	584
2.08	Min ground clearance (Chassis/Mast)	m1/m2	mm	180/175	180/175	180/175
2.09	Overall width (outside)	W1	mm	1480	1480	1480
2.10	Fork adjustment range		mm	305-1335	305-1335	305-1335
2.11	Fork size(STD)	L4*W*T	mm	1070×150×50		
2.12	Front wheel tread	S	mm	1180	1180	1180
2.13	Rear wheel tread	P	mm	1190	1190	1190
2.14	Min turing radius(outside)	r	mm	2835	2855	2900
2.15	Min aisle width for pallet 1000x1200,crossways	Ast	mm	4560	4580	4625
2.16	Min aisle width for pallet 800x1200.lengthways	Ast	mm	4760	4780	4825
Tyres						
3.01	Capital W (F/R, X=Driven wheels)			X=2/2		
3.02	Tyres type (F/R)			Pneumatic		
3.03	Tyres size,front			8.25-15-14PR	300-15-20PR	
3.04	Tyres size,rear			7.00-12-12PR		
Performance and other details						
4.01	Max. travelling speed,loaded/unloaded		km/h	20/23	20/23	20/23
4.02	Lifting speed, loaded/unloaded		mm/s	460/500	460/500	460/500
4.03	Lowering speed,loaded/unloaded		mm/s	loaded≤600/unloaded≥300		
4.04	Max. traction force(loaded)		KN	31	31	31
4.05	MAX.gradeability,loaded/unloaded		%	23/20	22/20	21/20
4.06	Service weight(with oil & water)		kg	6520	6750	7000
4.07	Axle load, F/R(loaded)		kg	9710/810	10155/1095	10800/1200
4.08	Axle load, F/R(unloaded)		kg	2650/3870	2680/4070	2800/4200
4.09	Service brake			Power brake -pedal		
4.10	Parking brake			Mechanical-hand brake lever		
4.11	Transmission type			Automatic		
4.12	Gear NO.(F/R)			2/1		
4.13	Fuel capacity		L	90		
4.14	Battery(voltage/capacity)		V/Ah	2×12/60		

Optional engines

Engine model	Displacement	Manufacturer	Rated power	Max. torque(Nm/rpm)	Bore/cylinder No./displacement	Fuel consumption
4DX23-82GG3U	CHN III	XICHA	60kW/2200rpm	320/1400-1700	102mm/4/3.8L	215g/kW.h
S6S-229	Euro IIIA	MITSUBISHI	52kW/2300rpm	248/1700	94mm/6/3.3L	245g/kW.h
4E30YG52	Euro V	XINCHAI	55.8kW/2200rpm	320/1200-1600	94mm/4/2.9L	250g/kW.h
YN38CFD4	CHN IV	YUNNEI	70kW/2200rpm	380/1300 ~ 1650	102mm/4/3.8L	215g/kW.h

Mast Specifications

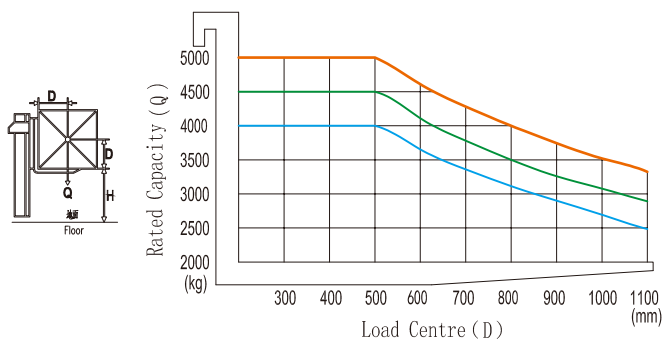
Mast Type	Mast Model	H2 Max Lifting Height (mm)	Load Capacity (J=500mm) (kg)			H1 Lowered Mast Height(mm)	H3 Free Lifting Height (mm)	Mast Tilting Angle (°)α/β
			40DTIV	45DTIV	50DTIV			
2 Stage Standard Mast-Super Wide Field	M230	2300	4000	4500	5000	1895	150	6/12
	M250	2500	4000	4500	5000	1995	150	6/12
	M275	2750	4000	4500	5000	2120	150	6/12
	M300	3000	4000	4500	5000	2245	150	6/12
	M330	3300	4000	4500	5000	2395	150	6/12
	M350	3500	4000	4500	5000	2495	150	6/12
	M375	3750	4000	4500	5000	2620	150	6/12
	M400	4000	4000	4500	5000	2795	150	6/6
	M425	4250	3800*4000	4300*4500	4700*5000	2920	150	6/6
	M450	4500	3700*4000	4200*4500	4500*5000	3045	150	6/6
	M475	4750	3500*3700	4000*4200	4250*4600	3170	150	6/6
	M500	5000	3200*3400	3600*4000	4000*4200	3295	150	6/6
	M550	5500	*3200	*3600	3400*3800	3545	150	3/6
	M600	6000	2400*2900	2500*3200	3100*3600	3795	150	3/6
Note: * means capacity of double front wheels.								
2 Stage Free Mast	ZM200	2000	4000	4500	5000	1745	908	6/12
	ZM250	2500	4000	4500	5000	1995	1158	6/12
	ZM270	2700	4000	4500	5000	2095	1258	6/12
	ZM300	3000	4000	4500	5000	2245	1408	6/12
	ZM330	3300	4000	4500	5000	2395	1558	6/12
	ZM350	3500	4000	4500	5000	2495	1658	6/12
	ZM370	3700	4000	4500	5000	2620	1783	6/12
	ZM400	4000	3800*3900	4300*4400	4800*4900	2745	1908	6/6
Note: *The free lifting height with backrest minus 189mm.								
Note: * means capacity of double front wheels.								
3 Stage Free Mast	ZSM320	3200	4000	4500	5000	1810	1023	6/6
	ZSM360	3600	3900*4000	4400*4500	4900*5000	1944	1157	6/6
	ZSM400	4000	3750*4000	4300*4500	4750*5000	2078	1291	6/6
	ZSM435	4350	3500*3800	4100*4300	4400*4800	2194	1407	6/6
	ZSM450	4500	3350*3500	4000*4200	4300*4600	2245	1458	6/6
	ZSM480	4800	3150*3300	3700*3900	3950*4100	2345	1558	6/6
	ZSM500	5000	3050*3200	3400*3700	3800*4000	2444	1657	6/6
	ZSM540	5400	2750*3000	3000*3400	3500*3600	2569	1782	3/6
	ZSM600	6000	1900*2500	2400*3000	2800*3400	2810	2023	3/6
	ZSM650	6500	1200*1800	1800*2400	2300*2900	2977	2190	3/3
Note: *The free lifting height with backrest minus 239mm.								
Note: * means capacity of double front wheels.								

Note: Load capacity is reduced 200kg with optional side shifter for 4-5t forklift.

LG Series 4-5t

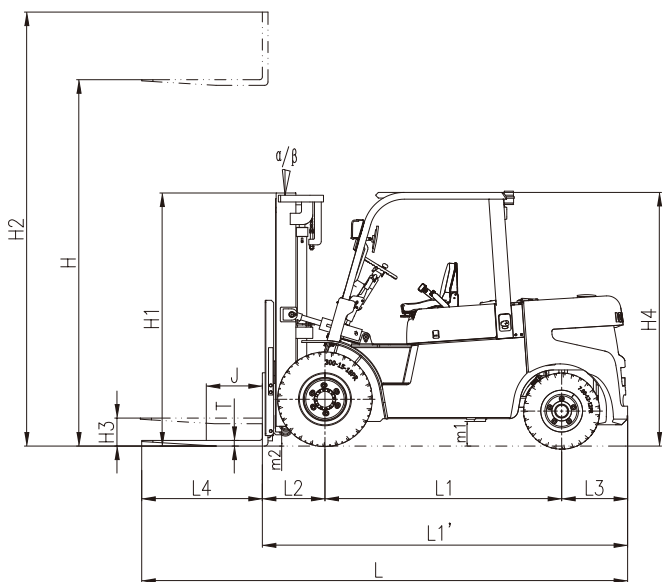
Configuration	Overhead Guard	Roof Weather Canopy	Pedal Rubber	Semi-suspension Seat	Automatic Shift
	Electro-hydraulic Reversing	Warning Light	Backrest	Standard Forks	Tilt-adjustable Steering Column
	Lift, Tilt, Levers	Two-piece Multiplex Valve	Fully-hydraulic Power Steering	Tilting Cylinder Latching Valve	Transmission Oil Filter
	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
	Key Shutoff Device	Push-button Parking Brake	Torque Converter Oil Dipstick	Traction Pin	Tool Box
Optional	Solid Tyres	Rear Working Light	Multiple Hydraulic Attachments	Driving OPS	Full Set OPS (Including drive and lift)
	Cabin	High Level Exhaust	Torque Converter Oil Temperature Alarm	Reversing Voice Horn	Sound-light Alarm
	Three sides(left,right and rear)red/blue bar light	Double Air Filter	Overspeed Alarm,10km/h	Electric Fan	Power Master Switch
	Suspension Seat	Oil Bath Air Filter	Fork Extensions	Tilt cylinder protection	Steering cylinder protection
	Heater	Fire Extinguishing Muffler	Custom Colours	Widen Fork Carriage	Front Windscreen

Load Curve

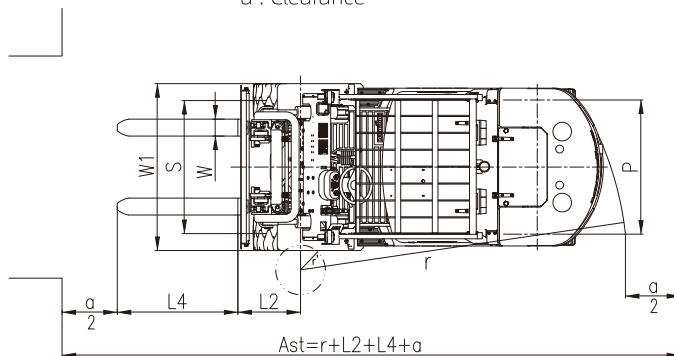


— 5t
— 4.5t
— 4t

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.



Ast : Right Angle Stacking Aisle Width
a : Clearance





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