

LONKING



8.5-10t
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

Electronic 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



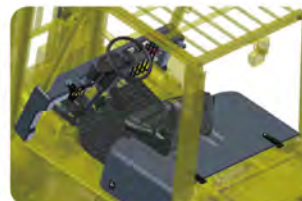
Using high-pressure common rail engine (CHN IV), Bosch high-pressure multiple injection technology, power performance is significantly improved, and the smoke emission is lower.



The whole machine has a large internal space, reasonable layout of parts, good heat dissipation performance and higher efficiency.



Wide-view mast improves safety in stacking operations.



Adopt interactive ergonomic design to effectively improve operating comfort.

Character					
1.01	Manufacturer			LONKING	
1.02	Model			LG85DTIII	LG100DTIII
1.03	Power type			Diesel	
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 guare 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)	r	mm	3650	3900
2.15	Min aisle wiathlerfor 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	24/28	24/28
4.02	Lifting speed, loaded/unloaded		mm/s	390/420	330/350
4.03	Lowering speed,loaded/unloaded		mm/s	420/410	310/300
4.04	Max. traction force(loaded)		KN	60	60
4.05	MAX. gradeability,loaded/unloaded		%	23/20	21/20
4.06	Service weight(with oil & water)		kg	11870	13250
4.07	Axle load, F/R(loaded)		kg	18270/2100	21000/2250
4.08	Axle load, F/R(unloaded)		kg	5220/6650	6000/7250
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)			2/2	
4.13	Fuel tanke capacity		L	120	
4.14	Battery (voltage/capacity)		V/Ah	2×12/90	

Optional engines

Engine model	Displacement	Manufacturer	Rated power	Max. torque(Nm/rpm)	Bore/cylinder No./displacement	Fuel consumption	Applicable model
CA6110/125G2	CHN II	XICHA	85kW/2000rpm	450/1400-1500	110/6/7.127	230kg/kW.h	8.5-10t
CA4DF3-12GCG3U	CHN III	XICHA	85kW/2200rpm	460/1400-1500	110/4/4.75	220kg/kW.h	8.5-10t
YC4A125-T300	CHN III	YUCHAI	92kW/2200rpm	480/1600-1800	108/4/4.85	/	8.5-10t
6BG1-NAABD-03-C2	Euro I	ISUZU	82.4kW/2000rpm	416.8/1500	105/6/6.494	232kg/kW.h	8.5-10t
WP4.1G125E302	CHN III	WEICHA	92kW/2200rpm	480/1400-1600	105/4/4.09	/	8.5-10t
QSB4.5-C110-30	CHN III//Euro IIIA	DONGFENG CUMMIUS	82kW/2200rpm	480/1500	107/4/4.5	/	8.5-10t
YCA05115-S500	Euro V	YUCHAI	85kW/2000rpm	500/1300-1500	108/4/4.837	202kg/kW.h	10t

Mast Specifications

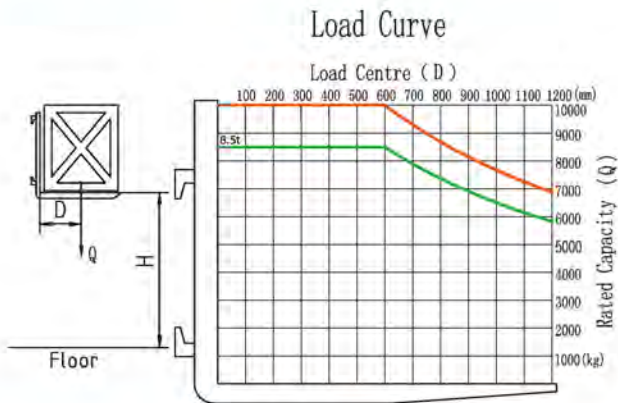
Mast Type	Mast Model	H2 Max Lifting Height (mm)	Load Capacity (J=500mm) (kg)		H1 Lowered Mast Height(mm)		H3 Free Lifting Height (mm)		Mast Tilting Angle(°)α/β	
			LG85DTIII	LG100DTIII	LG85DTIII	LG100DTIII	LG85DTIII	LG100DTIII	LG85DTIII	LG100DTIII
2 Stage Standard Mast-Super Wide Field	M230	2300	/	10000	/	2495	200	215	/	10/12
	M250	2500	8500	/	2445	/			10/12	10/12
	M270	2700		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				
	M500	5000		8200	3745	3895				
	M550	5500		7850	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			
	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			
	ZSM450	4500			2845	1480	1495			
	ZSM480	4800		7500	2945	1580	1595	6/6	6/6	
	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	Overhead Guard	Roof Weather Canopy	Pedal Rubber	Semi-suspension Seat	Automatic Shift
	Warning Light	Wide view mast(2 Stage)	Backrest	Standard Forks	Multi Function Display
	Working Hour Meter	Oil Content Meter	Water-thermometer	Charging Indicator	Neutral Position Switch
	Power Master Switch	Fuel Cap with Lock	Oil Pressure Warning	Electric Horn	Full Set of LED Lights
	Reversing Buzzer	Key Shutoff Device	Tilt-adjustable Steering Column	Lift, Tilt, Levers	Two-piece Multiplex Valve(8.5T)
	Four-piece Multiplex Valve(10T)	Fully-hydraulic Power Steering	Tilting Cylinder Latching Valve	Transmission Oil Filter	Torque Converter Oil Dipstick
	Push-button Parking	Traction Pin	Tool Box	Balanced Weight Heat Sink	

Optional	Solid Tyres	Cabin	Suspension Seat	Heater	Front Windscreen
	Rear Working Light	High Level Exhaust	Double Air Filter	Oil Bath Air Filter	Driving OPS
	Full Set OPS (Including drive and lift)	Torque Converter Oil Temperature Alarm	Reversing Voice Horn	Overspeed Alarm,10km/h	Electric Fan
	Sound-light Alarm	Cold A/C	Fire Extinguishing Muffler	Widen Fork Carriage	Fork Extensions
	Tilt cylinder protection	Steering cylinder protection	Custom Colours	Multiple Hydraulic Attachments	

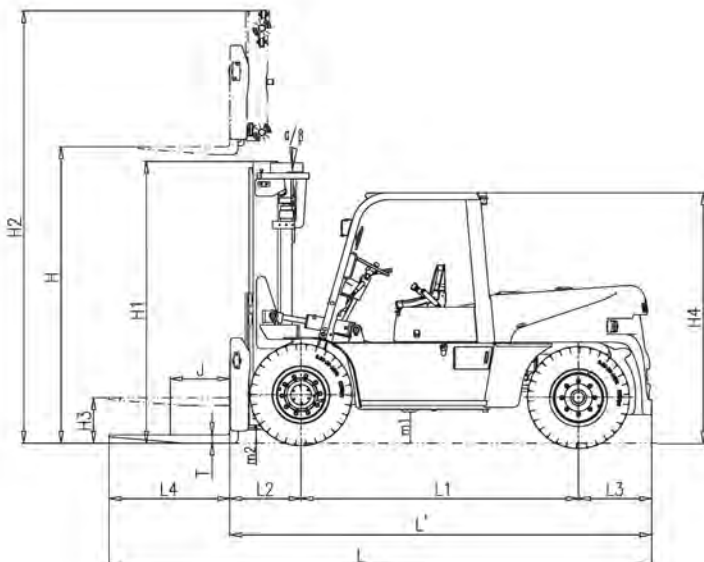
Load Curve



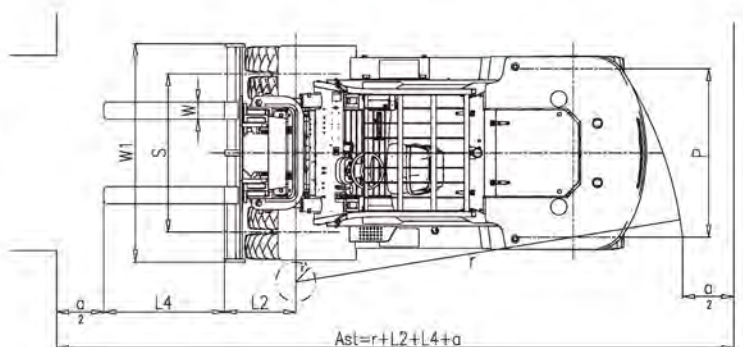
- 10t
- 8.5t

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





LONKING



LONKING HOLDINGS LIMITED
LONKING (SHANGHAI) FORKLIFT SALES CO.,LTD.

Add:196,Xinrun Road,Xinqiao,Songjiang Industrial,Zone Shanghai
Sales Hot-line:+86-21-37602160 sales hotline:+86-400-021-6969
Fax:+86-21-61303339-8195 E-mail:cctw@lonking.cn
<http://www.lonking.cc> P.C:201612



OHSAS45001:2023



ISO14001:2015



ISO9001:2015



CE CERTIFICATE



UKCA CERTIFICATE

