

CONFIGURATION

Overhead Guard (12T)	Adjustable Steering Column
Cabin with Electric Fan(16-25T)	High Level Exhaust
Rear Camera(25T)	Rear Working Lamp
A/C(25T)	Working Warning Light
Pedal Rubber	Oil Pressure Warning
Suspension Seat	Electric Horn
Automatic Shift	LED Signal Lamp
Electro-hydraulic Reversing	Lifting/Tilting/Positioning Joysticks
Wide Field Mast (2 Stage)	Full-hydraulic Power Steering
Fork Positioner (12T/160DT-A)	Tilting Cylinder Latching Valve
Sideshift & Positioner (160DT-B/25T)	Transmission Oil Filter
Combination Instrument	Hydraulic Return Filter
Working Hour Meter	Push-button Parking Brake
Oil Content Meter	Driving OPS (12T)
Water-thermometer	Full Set OPS(lifting & drive)(25T)
Key Shutoff Device	Traction Pin
Neutral Position Switch	Tool Box
Power Master Switch	

OPTIONAL

Cabin(12T)	Solid Tires
A/C(12T/16T)	Oil Bath Air Filter(16T/25T)
Rear Camera(16T)	Sound-light Alarm
Warm-air Blower	Fire Extinguishing Muffler
Front Windscreen	Lengthen Fork Jacket
Torque Converter Oil Temperature Alarm	Tilting Cylinder Sleeve
Full Set OPS(lifting & drive)(12T/16T)	Steering Cylinder Sleeve
Overspeed Alarm, 10km/h	Custom Colors
Electric Fan(12T)	Multiple Work Attachments
Full Set LED Lamps	

PRODUCT FEATURES

<p>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.</p>
<p>Lowering Energy Consumption Optimized design of hydraulic system. Adopt domestic or foreign mature hydraulic parts, reduce fuel consumption.</p>
<p>Operating Comfort Adopted interactive ergonomic design to improve operating comfort. Equipped with wide field of view mast to improve driver's field of view. Multiplex valve of 16T and 25T adopt pilot control. Mast has good final motion performance.</p>
<p>Intelligent Reversing Electro-hydraulic Reversing System. Easy to operate and labor-saving. Intelligent shift system prevent the second gear starting, ensure reliability of gearbox.</p>
<p>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. (LG160DT-B)</p>
<p>High Reliability Strength of the core structural parts of car body, mast and hood has been enhanced greatly to make whole vehicle more solid.</p>

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Specifications and design are subject to change without prior notice.
Machines shown may not include optional accessories.

LONGKING 龙工

LG120DT/160DT(A)/160DT(B)/250DT BALANCEWEIGHT TYPE FORKLIFT TRUCK WITH ENGINE Efficiency Rules the Future



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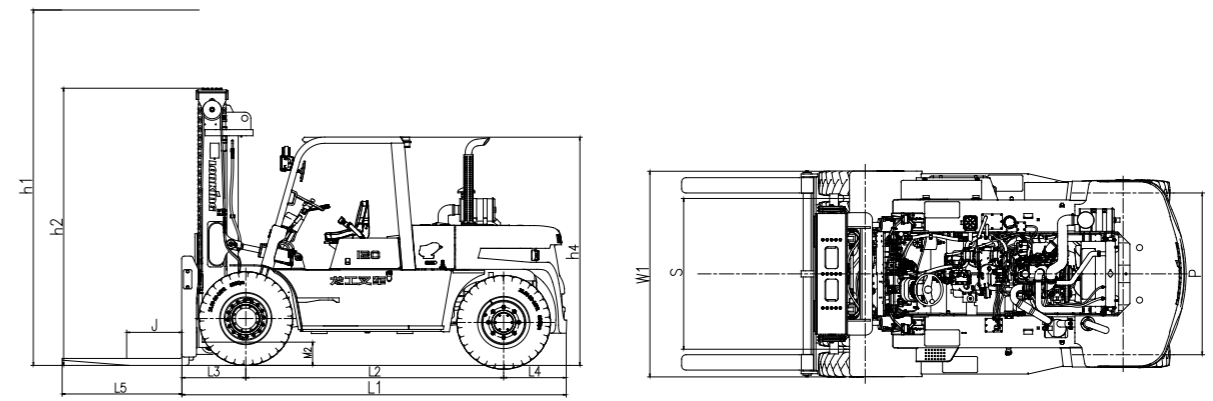
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	LG120DT	LG160DT(A)	LG160DT(B)	LG250DT
Rated Capacity (kg)	12000	16000	16000	25000
Load Center (mm)	600	900	1200	1200
Power Type	Diesel	Diesel	Diesel	Diesel

OVERALL SPECIFICATIONS

Type	No.	Item	Code	Unit	Data			
Identification	1.01	Manufacturer			LONKING			
	1.02	Model			LG120DT	LG160DT(A)	LG160DT(B)	LG250DT
	1.03	Power type			Diesel			
	1.04	Rated capacity	Q	kg	12000	16000	16000	25000
Dimensions	1.05	Load center	J	mm	600	900	1200	1200
	2.01	STD Max height (with backrest)		mm	4668	5425	5685	6000
	2.02	STD Max lifting height	h1	mm	3000	3500	4000	4000
	2.03	Overhead guard height	h4	mm	2610	3566	3150	3310
	2.04	Overall length (with fork)	L1	mm	5945	7428	7870	8902
	2.05	Wheelbase	L2	mm	2950	3800	3750	4500
	2.06	Front overhang	L3	mm	755	818	925	1095
	2.07	Rear overhang	L4	mm	720	840	795	907
	2.08	Min.ground clearance (Frame/Mast)	m1/m2	mm	360/266	335/330	280/250	330/319
	2.09	Overall width	W1	mm	2350	2752	2560	3050
	2.10	Adjusting range of fork (outside)		mm	470-2200	580-2214	900-2340	900-2700
	2.11	STD Fork size (L5*W*T)		mm	1520×200×85	1820×220×90	2400×250×100	2400×250×110
	2.12	Front wheel tread	S	mm	1724	1895	1878	2198
	2.13	Rear wheel tread	P	mm	1850	2120	2120	2332
	2.14	Min.turning radius	R1	mm	4300	5300	5175	6050
	2.15	Min aisle width for pallet 1000×1200,crossways		mm	6775	8288	8700	9745
2.16	Min aisle width for pallet 800×1200,lengthways		mm	6775	8288	8700	9745	
Tires	3.01	Wheels number, front/rear (X=driven wheels)			X=4/2			
	3.02	Tires type			Pneumatic			
	3.03	Tires size, front			10.00-20-16PR	12.00-24-20PR	12.00-24-20PR	14.00-24-28PR
	3.04	Tires size, rear			10.00-20-16PR	12.00-24-20PR	12.00-24-20PR	14.00-24-28PR
Other Details	4.01	Max.traveling speed, loaded/unloaded		km/h	25/27	22/27	26/29	25/27
	4.02	Max.lifting speed, loaded/unloaded		mm/s	350/370	280/300	320/360	240/260
	4.03	Lowering speed, loaded/unloaded		mm/s	350/310	410/320	360/310	300/320
	4.04	Max.traction, loaded		KN	85	110	130	160
	4.05	Max.gradient, loaded/unloaded		%	25/20	20	28/25	25/23
	4.06	STD operating weight (with oil & water)		kg	15760	23500	24000	34400
	4.07	Axles loading,front/rear (loaded)		kg	25320/2440	36500/3000	37200/2800	55400/4000
	4.08	Axles loading,front/rear (unloaded)		kg	7416/8344	10500/13000	11700/12300	17400/17000
	4.09	Service brake			Pneumatic clamp plate		Wet hydraulic braking	
	4.10	Parking brake			Spring energy storage		Hydraulic release spring brake	
	4.11	Drive type			Hydraulic gearbox	Electrical gearbox	Automatic-ZF	Automatic-DANA
	4.12	Number of gear (front/rear)			2/2	2/1	3/3	3/3
	4.13	Fuel tank capacity		L	200	300	250	350
	4.14	Battery votage/capacity		V/Ah	2×12/90	2×12/120	2×12/120	2×12/120



MAST SPECIFICATIONS

2 Stage Standard Mast-Super Wide Field														
Mast Model	h1 Max Lifting Height(mm)	Load Capacity (Load centers see parameter)				h2 Lowered Mast Height (mm)				Free Lifting Height(mm)	Mast tilt α/β (°)			
		12T	16T(A)	16T(B)	25T	12T	16T(A)	16T(B)	25T		All	12T	16T(A)	16T(B)
M300	3000	12000	16000	16000	/	3168	3425	3185	/	/	6/12	6/12	5/10	/
M330	3300	12000	16000	/	/	3318	3575	/	/	/	6/12	6/12	/	/
M350	3500	12000	16000	16000	25000	3418	3675	3435	3760	/	6/12	6/12	5/10	5/10
M370	3700	12000	16000	/	/	3518	3775	/	/	/	6/12	6/12	/	/
M400	4000	12000	16000	16000	25000	3668	3925	3685	4010	/	6/12	6/12	5/10	5/10
M450	4500	11500	15500	16000	25000	3968	4225	3935	4260	/	6/6	6/6	5/10	5/10
M500	5000	11000	15000	16000	25000	4218	4475	4185	4510	/	6/6	6/6	5/6	5/6
M550	5500	10500	14500	15000	24000	4498	4755	4435	4760	/	6/6	3/6	3/6	3/6
M600	6000	10000	14000	14000	23000	4748	5005	4685	5010	/	6/6	3/6	3/6	3/6

LG120DT-3 Stage Free Mast-Super Free Lifting Height					
Mast Model	h1 Max Lifting Height(mm)	Load Capacity (J=600mm) (kg)	h2 Lowered Mast Height (mm)	h3 Free Lifting Height, without backrest (mm)	Mast tilt α/β (°)
ZSM450	4500	11500	2845	1575	6/6
ZSM500	5000	11000	3025	1755	6/6

ENGINE OPTIONAL

Engine Model	Emission	Manufacturer	Rated Power	Max.Torque (N.m/rpm)	Bore/Cylinders Number/Displacement	Fuel Consumption	Applicable
CA6DF3-16GAG3U	CHN III	XICHAI	118kW/2200rpm	640/1300-1700	110/6/7.127L	225g/kW.h	LG120DT
QSB4.5-C160	Euro IIIA	DF CUMMINS	119kW/2200rpm	624/1500	107/4/4.5L	230g/kW.h	LG120DT
YC6J175-T302	CHN III	YUCHAI	129kW/2200rpm	710/1400-1700	105/6/6.494L	220g/kW.h	LG160DT(A)
WP6G190E330	CHN III	WEICHAI	140kW/2200rpm	760/1400-1600	105/6/6.75L	225g/kW.h	LG160DT(A)
QSB6.7-C190	Euro IIIA	DF CUMMINS	142kW/2200rpm	931/1400	107/6/6.7L	230g/kW.h	LG160DT(B)
TAD851VE	Euro IIIA	VOLVO	185kW/2200rpm	1137/1350	110/6/7.7L	206g/kW.h	LG250DT

