

LG100DT/LG160DT overall specifications

Identification	1.1	Manufacture		LONKING	LONKING
	1.2	Model		LG100DT	LG160DT
	1.4	Power type (electric,diesel, petrol LPG)		Diesel	Diesel
	1.5	Type of operation:hand,pedestrian,standing,seated,orderpicker		Seated	Seated
	1.6	Load capacity/rated load	kg	10000	16000
	1.7	Load center distance	J mm	600	600
	1.8	Front overhang	L3 mm	716	979
	1.9	Rear overhang	L4 mm	780	931
	2.0	Wheelbase	L2 mm	2800	3800
	Weights	2.1	Dead weight	kg	12900
2.2		Axle loading,loaded front/rear	kg	\	\
2.3		Axle loading,unloaded front/rear	kg	\	\
Wheels,Chassis	3.1	Tires:pneumatic,solid rubber		pneumatic	pneumatic
	3.2	Tires size,front		9.00-20-14PR	12.00-24-18PR
	3.3	Tires size,rear		9.00-20-14PR	12.00-24-18PR
	3.4	Wheels,number front / rear(X=wheels)		X=4/2	X=4/2
	3.5	Track width,front	S mm	1600	2064
	3.6	Track width,rear	P mm	1700	2120
Basic Dimensions	4.11	Mast/fork carriage tilt forward backward	α/β degrees	6/12	6/12
	4.12	STD Lowered mast height	h2 mm	2845	3675
	4.13	Free lift height	h3 mm	210	\
	4.14	STD Max lift height	h1 mm	3000	3500
	4.15	Overhead guard height	h4 mm	2580	3566
	4.16	Distance from seat to overhead guard	SIP mm	1075	\
	4.17	Overall length	L1 mm	5514	7410
	4.18	Length to face of fork-carriage	L6 mm	4296	5700
	4.19	Overall width	W1 mm	2169	2752
	4.2	Fork dimensions(hook type)	L5×W×T mm	1520×175×85	1800×180×100
	4.21	Fork carriage ISO 2328, class / type A,B		2/A	2/A
	4.22	Fork-carriage width	mm	2243	2354
	4.23	Ground clearance, under mast	m2 mm	240	285
	4.24	Ground clearance,centre of wheelbase	m1 mm	300	340
	4.25	Aisle width for pallets 1,000x1,200 crossways (LxW)	AST mm	\	\
	4.26	Aisle width for pallets 800x1,200 lengthways (WxL)	AST mm	\	\
	4.27	Turning radius	R1 mm	4000	5300
Performance Data	5.1	Max.traveling speed, unloaded	km/h	27	27
	5.2	Max.lifting speed, loaded/ unloaded	mm/s	330/450	300/350
	5.3	Lowering speed, loaded/unloaded	mm/s	<600	<600
	5.7	Max.gradient	%	20	20
	5.9	Service brake		Hydraulic	Hydraulic
	5.10	Parking brake		Hand	Hand
Other Details	7.1	Operating pressure	Mpa	17.5	17.5
	7.2	Fuel tank capacity	L	170	200
	7.4	Type of drive		Automatic	

Optimal Engine(for 10t)

Engine Model	Manufacturer	Rated Power (kw/rpm)	Max.Torque (Nm/rpm)	Bore/Number of Cylinders/Displacement (mm/L)	Fuel Consumption (g/KW-h)
YC6B125	China	92/2200	463/1600	108/6/6.781	235
6BG1	ISUZU	82/2000	416/1500	105/6/6.494	232
1104D-44TA	Perkins	83/2200	418/1400	105/4/4.4	232

Optimal Engine(for 16t)

YC6A175Z	China	128/2200	670/1500-1800	108/6/7.252	235
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LG100DT/LG160DT mast specifications

Item	LG100DT					LG160DT				F/R(°)
	h1(mm)	c(kg)	h2(mm)	h3(mm)	h5(mm)	c(kg)	h2(mm)	h3(mm)	h5(mm)	
2 Stage Standard Mast	3000	10000	2845	210	210	16000	3425	\	\	6/12
	3250	10000	2970	210	210	\	\	\	\	6/12
	3300	10000	2995	210	210	16000	3575	\	\	6/12
	3500	10000	3095	210	210	16000	3675	\	\	6/12
	3700	\	\	\	\	16000	3775	\	\	6/12
	3750	10000	3220	210	210	16000	3925	\	\	6/12
	4000	10000	3395	210	210	\	\	\	\	6/6(6/12)
	4250	10000	3520	210	210	\	\	\	\	6/6(6/12)
	4500	10000	3645	210	210	15500	4225	\	\	6/6
	4750	9500	3770	210	210	\	\	\	\	6/6
	5000	9000	3895	210	210	15000	4475	\	\	6/6
	5500	8500	4195	210	210	14500	4755	\	\	3/6
	6000	8000	4445	210	210	14000	5005	\	\	3/6
	6500	\	\	\	\	13500	5305	\	\	3/6
	7000	\	\	\	\	13000	5555	\	\	3/6

h1=Max.Lift Height; c=Load Capacity; h2=Lowered Mast Height; h3=Free Lift Height(without backrest) ;
h4=Overhead guard height; h5=Free Lift Height (with backrest)

