GROS LG15DT/LG20DT/LG25DT/LG30DT/LG35DT overall specifications

Identification	1.1	Manufacture			LONKING	LONKING	LONKING	LONKING	LONKING
	1.2	Model			LG15DT	LG20DT Ⅲ	LG25DT Ⅲ	LG30DT Ⅲ	LG35DT Ⅲ
	1.4	Power type (electric,diesel, petrol LPG)			Diesel	Diesel	Diesel	Diesel	Diesel
	1.5	Type of operation:hand,pedestrian,standing,seated,order-picker			Seated	Seated	Seated	Seated	Seated
	1.6	Load capacity/rated load		kg	1500	2000	2500	3000	3500
	1.7	Load center distance	J	mm	500	500	500	500	500
	1.8	Front overhang	L3	mm	425	448	448	487	498
	1.9	Rear overhang	L4	mm	425	500	500	550	580
	2.0	Wheelbase	L2	mm	1400	1650	1650	1750	1750
Weights	2.1	Dead weight		kg	2940	3260	3500	4200	4635
	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	pneumatic	pneumatic	pneumatic
	3.2	Tires size,front			6.5-10-10PR	7.00-12-12PR	7.00-12-12PR	28x9-15-14PR	28x9-15-14PR
	3.3	Tires size,rear			5.00-8-8PR	6.00-9-10PR	6.00-9-10PR	6.50-10-10PR	6.50-10-10PR
	3.4	Wheels,number front / rear(X=wheels)			X=2/2	X=2/2	X=2/2	X=2/2	X=2/2
	3.5	Track width,front	S	mm	890	970	970	1030	1030
	3.6	Track width,rear	P	mm	870	980	980	980	980
Basic Dimensions	4.1	Mast/fork carriage tilt forward backward	α/β	degrees	6/12	6/12	6/12	6/12	6/12
	4.1	Lowered mast height	h2	mm	1995	2135	2135	2132	2180
	4.1	Free lift height	h3	mm	105	110	110	125	170
	4.1	STD Max lift height	h1	mm	3000	3000	3000	3000	3000
	4.2	Overhead guard height	h4	mm	2050	2130	2130	2150	2150
	4.2	Distance from seat to overhead guard	SIP	mm	1000	1000	1000	≅910	1000
	4.2	Overall length	L1	mm	3170	3670	3670	3850	3898
	4.2	Length to face of forks		mm	2250	2598	2598	2787	2828
	4.2	Overall width	W1	mm	1090	1165	1165	1250	1250
	4.2	Fork dimensions(hook type)	L5×W×T	mm	920×100×40	1070×120×40	1070×120×40	1070×125×45	1070×125×50
	4.2	Fork carriage ISO 2328, class / type A,B			2/A	2/A	2/A	3/A	3/A
	4.2	Fork-carriage width		mm	1036	1040	1040	1100	1100
	4.2	Ground clearance, under mast	m2	mm	110	135	135	132	132
	4.2	Ground clearance,centre of wheelbase	m1	mm	100	160	160	165	165
	4.3	Aisle width for pallets 1,000x1,200 crossways (LxW)	AST	mm	3575	3950	3950	4200	4225
	4.3	Aisle width for pallets 800x1,200 lengthways (WxL)	AST	mm	\	\	\	\	\
	4.3	Turning radius	R1	mm	1950	2300	2300	2520	2530
Performance Data	5.1	Max.traveling speed, unloaded		km/h	22	20	20	20	20
	5.2	Max.lifting speed, loaded/ unloaded		mm/s	480/500	560/580	560/580	500/520	400/420
	5.3	Lowering speed, loaded/unloaded		mm/s	＜600	＜600	＜600	＜600	＜600
	5.7	Max.gradient		%	20	20	20	20	20
	5.9	Service brake			Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic
	5.1	Parking brake			Hand	Hand	Hand	Hand	Hand
Other Details	7.1	Operating pressure		Mpa	17.5	19.5	19.5	19.5	19.5
	7.2	Fuel tank capacity		L	41	50	55	60	60
	7.4	Type of drive			Automatic				

Optional Engine(for 1.5t)					
Engine Model	Manufacturer	Rated Power（kw/rpm）	Max.Torque（Nm/rpm）	Bore/Number of Cylinders/Displacement（mm/L）	Fuel Consumption（g/KW·h）
C485	China	31/2600	131/1700-1900	85/4/2.27	230
C240	ISUZU	34/2500	137/1800	86/4/2.369	292

Optinal Engine(for 2t&2.5t)					
Engine Model	Manufacturer	Rated Power（kw/rpm）	Max.Torque（Nm/rpm）	Bore/Number of Cylinders/Displacement（mm/L）	Fuel Consumption（g/KW·h）
C490(e3)	China	36.8/2650	156/1800	90/4/2.67	230
A498BT1	China	36.8/2650	180/1800	98/4/3.17	230
C240	ISUZU	34/2500	137/1800	86/4/2.369	292

Optinal Engine(for 3t&3.5t)					
Engine Model	Manufacturer	Rated Power（kw/rpm）	Max.Torque（Nm/rpm）	Bore/Number of Cylinders/Displacement（mm/L）	Fuel Consumption（g/KW·h）
C490(e3)	China	36.8/2650	156/1800	90/4/2.67	230
C240	ISUZU	34/2500	137/1800	86/4/2.369	292
4JG2	ISUZU	44/2450	186/1700	95/4/3.059	265
4TNE98	YANMAR	42/2300	187/1600	98/4/3.319	272
S4S-408	MITSUMKISHI	38/2300	176/1800	120/4/3.3	225
D2011L04	DEUTZ	46.5/2600	190/1700	96/4/3.62	226
QSF2.8	Cummins	36.5/2500	186/1100~1500	94/4/2.8	250
A498BT1	China	36.8/2400	180/1800	98/4/3.17	230

GROS LG15DT/LG20DT/LG25DT/LG30DT/LG35DT mast specifications

Item	Lift height	LG15DT					LG20DTIII					LG25DTIII					LG30DTIII					LG35DTIII					F/R(°)
	h1 (mm)	c (kg)	h2 (mm)	h3 (mm)	h5 (mm)		c (kg)	h2 (mm)	h3 (mm)	h5 (mm)		c (kg)	h2 (mm)	h3 (mm)	h5 (mm)		c (kg)	h2 (mm)	h3 (mm)	h5 (mm)		c (kg)	h2 (mm)	h3 (mm)	h5 (mm)		
2 Stage Standard Mast	2000	1500	1487	105	105		2000	1635	110	110		2500	1635	110	110		3000	1632	125	125		3500	1680	170	170		6/12
	2500	1500	1737	105	105		2000	1885	110	110		2500	1885	110	110		3000	1882	125	125		3500	1930	170	170		6/12
	3000	1500	1987	105	105		2000	2135	110	110		2500	2135	110	110		3000	2132	125	125		3500	2180	170	170		6/12
	3300	1500	2137	105	105		2000	2285	110	110		2500	2285	110	110		3000	2282	125	125		3500	2330	170	170		6/12
	3500	1500	2237	105	105		2000	2385	110	110		2500	2385	110	110		3000	2382	125	125		3500	2430	170	170		6/12
	3700	\	\	\	\		\	\	\	\		\	\	\	\		\	\	\	\		3500	2530	170	170		6/12
	3750	1500	2362	105	105		2000	2510	110	110		2500	2510	110	110		3000	2507	125	125		\	\	\	\		6/6
	4000	1500	2537	105	105		2000	2685	110	110		2500	2685	110	110		3000	2682	125	125		3300*3500	2730	170	170		6/6
	4250	1400	2662	105	105		1900	2810	110	110		2300	2810	110	110		2850*3000	2807	125	125		3200*3500	2855	170	170		6/6
	4500	1300	2787	105	105		1800	2935	110	110		2100	2935	110	110		2600*2800	2932	125	125		2900*3100	2980	170	170		6/6
	5000	1000	3037	105	105		1100	3185	110	110		1600	3185	110	110		2100*2400	3182	125	125		2400*2750	3230	170	170		6/6
	5500 *	\	\	\	\		900	3485	110	110		1200	3485	110	110		1700*2200	3482	125	125		1800*2400	3530	170	170		6(3)/6
	6000*	\	\	\	\		700	3735	110	110		900	3735	110	110		1300*2000	3732	125	125		1400*2200	3780	170	170		6(3)/6
2 Stage Free Mast	2000	1500	1595	1040	690		2000	1635	950	660		2500	1635	950	660		3000	1632	1044	350		3500	1680	965	655		6/12
	2500	1500	1845	1290	940		2000	1885	1200	910		2500	1885	1200	910		3000	1882	1294	600		3500	1930	1215	905		6/12
	2700	\	\	\	\		\	\	\	\		\	\	\	\		\	\	\	\		3500	2030	1315	1005		6/12
	2750	1500	1970	1415	1065		2000	2010	1325	1035		2500	2010	1325	1035		3000	\	\	\		\	\	\	\		6/12
	3000	1500	2095	1540	1190		2000	2135	1450	1160		2500	2135	1450	1160		3000	2132	1544	850		3500	2180	1465	1115		6/12
	3300	1500	2245	1690	1340		2000	2285	1600	1310		2500	2285	1600	1310		3000	2282	1694	1000		3500	2330	1615	1305		6/12
	3500	1500	2345	1790	1440		2000	2385	1700	1410		2500	2385	1700	1410		3000	2382	1794	1100		3500	2430	1715	1405		6/12
	3750	1500	2470	1915	1565		1950	2510	1825	1535		2400	2510	1825	1535		3000	2507	1919	1225		\	\	\	\		6/12
	4000	1400	2645	2090	1740		1850	2685	2000	1710		2000	2685	2000	1710		3000	2682	2094	1400		3300*3500	2730	2015	1705		6/6
	4500	1200	2895	2340	1990		1650	2935	2250	1960		1700	2935	2250	1960		3000	2932	2344	1650		2900*3100	2980	2265	1955		6/6
3 Stage Free Mast	4000	1400	1920	1385	975		1900	2010	1208	1008		2300	2010	1208	1008		2800*2900	1952	1379	715		3300*3300	1987	1280	755		6/6
	4350	1300	2055	1511	1110		1850	2135	1334	1133		2200	2135	1334	1133		2700*2900	2077	1504	840		3100*3300	2112	1405	880		6/6
	4500	1200	2095	1560	1150		1750	2198	1372	1196		2000	2198	1372	1196		2500*2800	2140	1567	903		2800*3000	2175	1470	945		6/6
	4700	\	\	\	\		1720	2263	1461	1261		1800	2263	1461	1261		2350*2550	2205	1632	968		2600*2800	2240	1535	1010		6/6
	4800	1100	2195	1660	1250		1700	2285	1484	1283		1700	2285	1484	1283		2250*2450	2227	1654	990		2500*2750	2262	1555	1030		6/6
	5000	950	2295	1760	1350		1600	2385	1584	1383		1500	2385	1584	1383		2100*2300	2327	1754	1090		2300*2600	2362	1655	1130		6/6
	5400	850	2420	1885	1475		1450	2510	1708	1508		1200	2510	1708	1508		1650*2100	2452	1879	1215		1800*2300	2487	1780	1255		3/6
	5500	\	\	\	\		\	\	\	\		\	\	\	\		1500*2000	2492	1919	1255		1700*2200	2527	1820	1295		3/6
	6000	450	2645	2110	1700		950	2735	1934	1733		800	2735	1934	1733		1200*1800	2677	2104	1440		1300*2000	2712	2005	1480		3/6
	6500*	\	\	\	\		500	2950	2149	1948		600	2950	2149	1948		900*1500	2892	2319	1655		1000*1600	2927	2220	1695		3/3

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); F/R=Tilting Angle F/R;h1* means machine with this kind of mast must choose double front tires; and the digital after * in this table shows the load capacity of machine with double front tires optional.



