

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

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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	$\alpha/\beta$	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	$\geq$ 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)	L5xWxT	mm	920x100x40	1070x120x40	1070x120x40	1070x125x45	1070x125x50
	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
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
Other Details	5.1	Parking brake			Hand	Hand	Hand	Hand	Hand
	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				

Item	Lift height h1 (mm)	LG15DT				LG20DTIII				LG25DTIII				LG30DTIII				LG35DTIII				F/R(°)				
		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.

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

Optimal 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)					