

# SPECIFICATIONS

## Product Specifications

1.1 Manufacturer (Abbreviation)		CLARK	CLARK	CLARK	CLARK		
Specifications	1.2 Manufacturer's designation	<b>GTS20D</b>	<b>GTS25D</b>	<b>GTS30D</b>	<b>GTS33D</b>		
	1.3 Drive unit Diesel, L.P. Gas	Diesel	Diesel	Diesel	Diesel		
	1.4 Operator type stand on / driver seated	Driver Seated	Driver Seated	Driver Seated	Driver Seated		
	1.5 Load capacity / rated load	Q (kg)	2000	2500	3000	3300	
	1.6 Load centre distance	c (mm)	500	500	500	500	
	1.8 Load centre distance, centre of drive axle to fork face	x (mm)	455	455	460	475	
	1.9 Wheelbase	y (mm)	1620	1620	1700	1700	
	WT	2.1 Service weight	kg	3550	3840	4270	4430
		2.2 Axle loading, laden front / rear	kg	4800/750	5450/890	6340/930	6870/860
2.3 Axle loading, unladen front / rear		kg	1620/1930	1476/2364	1646/2624	1677/2753	
Tyres, Chassis	3.1 Tyre type, P = pneumatic, SE = superelastic 1)		P	P	P	P	
	3.2 Tyre size, front		7.00X12-14PR	7.00X12-14PR	28x9x15-14PR	28x9x15-14PR	
	3.3 Tyre size, rear		6.00X9-10PR	6.00X9-10PR	6.50X10-12PR	6.50X10-12PR	
	3.5 Wheels, number front/rear (x = drive wheels)		2x/2	2x/2	2x/2	2x/2	
	3.6 Tread, front (wide/dual)	b10 (mm)	996(1075/1204)	996(1075/1204)	1029(1109/1204)	1029(1109/1204)	
	3.7 Tread, rear	b11 (mm)	904	904	904	904	
	Dimensions	4.1 Tilt of upright/fork carriage, $\alpha / \beta$	°	10/6	10/6	10/6	10/6
4.2 Height, upright lowered		h1 (mm)	2165	2165	2180	2180	
4.3 Freelif		h2 (mm)	110	110	110	115	
4.4 Lift height 2)		h3 (mm)	3195	3195	3195	3165	
4.5 Height, upright extended 6)		h4 (mm)	4415	4415	4415	4395	
4.7 Height overheadguard 7)		h6 (mm)	2170	2170	2180	2180	
4.8 Seat height		h7 (mm)	1219	1219	1219	1219	
4.12 Coupling height		h10 (mm)	360	360	360	360	
4.19 Overall length		l1 (mm)	3643	3737	3842	3890	
4.20 Length to face of forks		l2 (mm)	2573	2667	2772	2820	
4.21 Width (wide/dual)		b1 (mm)	1185(1265/1629)	1185(1265/1629)	1250(1330/1629)	1250(1330/1629)	
4.22 Fork dimensions		s • e • l (mm)	45x100x1070	45x100x1070	45x122x1070	50x122x1070	
4.23 Fork carriage DIN 15173, A, B			CLASS II	CLASS II	CLASS III	CLASS III	
4.24 Fork carriage width (wide / dual drive)		b12 (mm)	1041 (1143/1549)	1041 (1143/1549)	1041 (1143/1549)	1143 (1549)	
4.31 Ground clearance minimum		m1 (mm)	135	135	150	150	
4.32 Ground clearance centre of wheelbase		m2 (mm)	150	150	165	165	
4.34 Aisle width for pallets 1000 x 1200 crossways	Ast (mm)	3945	4035	4140	4185		
4.34 Aisle width for pallets 800 x 1200 lengthways	Ast (mm)	4145	4235	4340	4385		
4.35 Outside turning radius	Wa (mm)	2290	2380	2480	2510		
4.36 Internal turning radius	b13 (mm)	825	825	852	889		
Performances	5.1 Travel speed laden/unladen	km/h	16,9/18,0	16,5/18,0	17,6/18,8	24,9/23,7	
	5.2 Lift speed laden/unladen	m/s	0,48/0,54	0,48/0,54	0,48/0,54	0,45/0,50	
	5.3 Lowering speed laden/unladen	m/s	0,54/0,50	0,54/0,50	0,54/0,50	0,50/0,43	
	5.6 Max. drawbar pull laden/unladen 3)	N	18405/6465	18470/6135	16945/6635	17740/8020	
	5.8 Max. gradeability laden/unladen 3)	%	38,9/20,8 (42,8/23,1)	32,1/17,4 (36,6/20,1)	25,2/17,0 (29,0/17,1)	23,3/17,5	
	5.10 Service brake		Wet disc brake	Wet disc brake	Wet disc brake	Wet disc brake	
I.C. - Engine	7.1 Manufacturer / Type 4)		Yanmar 4TNE98	Yanmar 4TNE98	Yanmar 4TNE98	Yanmar 4TNE98	
	7.2 Rated output acc. to SAE J 1349	kW	43	43	43	43	
	7.3 Rated speed acc. DIN 70 020	min-1	2200	2200	2200	2200	
	7.4 No. of cylinders / displacement	/cm3	4/3319	4/3319	4/3319	4/3319	
	7.5 Fuel consumption acc. VDI-Cycle	Diesel= l/h, L.P.-Gas= kg/h	-	-	-	-	
Miscellaneous	8.1 Type of control		Hydrodyn	Hydrodyn	Hydrodyn	Hydrodyn	
	8.2 Operating pressure for attachments 8)	bar	Adjustable	Adjustable	Adjustable	Adjustable	
	8.3 Oil flow for attachments	l/min	max. 35	max. 35	max. 35	max. 35	
	8.4 Sound level, driver's ear 5)	dB (A)	80,5	80,5	80,5	80,5	
	8.5 Towing coupling, class/type DIN		PIN	PIN	PIN	PIN	

\*1) Optional with super-elastic tyres \*2) Futer lift heights see upright table \*3) At friction coefficient  $\mu = 0.6$  and laden with 1.6 km/h \*4) Diesel = Yanmar (Stage 3a) or ISUZU (Stage 3b) LPG = Hyundai (Stage 0) \*5) Equivalent permanent sound-pressure level L pAeq, T in accordance with DIN EN 12053 (previously DIN 45635-36) \*6) With load backrest \*7) Height with cabin and radio antenna + 60mm \*8) Max. 140 bar

## Product Specifications

1.1 Manufacturer (Abbreviation)		CLARK	CLARK	CLARK	CLARK	
Specifications	1.2 Manufacturer's designation	<b>GTS20L</b>	<b>GTS25L</b>	<b>GTS30L</b>	<b>GTS33L</b>	
	1.3 Drive unit Diesel, L.P. Gas	LPG	LPG	LPG	LPG	
	1.4 Operator type stand on / driver seated	Driver Seated	Driver Seated	Driver Seated	Driver Seated	
	1.5 Load capacity / rated load	Q (kg)	2000	2500	3000	3300
	1.6 Load centre distance	c (mm)	500	500	500	500
	1.8 Load centre distance, centre of drive axle to fork face	x (mm)	465	465	475	480
	1.9 Wheelbase	y (mm)	1620	1620	1700	1700
WT	2.1 Service weight	kg	3327	3682	4036	4250
	2.2 Axle loading, laden front / rear	kg	4639/688	5308/874	6148/888	6561/989
	2.3 Axle loading, unladen front / rear	kg	1460/687	1335/2347	1445/2591	1387/2863
Tyres, Chassis	3.1 Tyre type, P = pneumatic, SE = superelastic 1)		P	P	P	P
	3.2 Tyre size, front		7.00X12-14PR	7.00X12-14PR	28x9x15-14PR	28x9x15-14PR
	3.3 Tyre size, rear		6.00X9-10PR	6.00X9-10PR	6.50X10-12PR	6.50X10-12PR
	3.5 Wheels, number front/rear (x = drive wheels)		2x/2	2x/2	2x/2	2x/2
	3.6 Tread, front (wide/dual)	b10 (mm)	996(1075/1204)	996(1075/1204)	1029(1109/1204)	1029(1109/1204)
	3.7 Tread, rear	b11 (mm)	904	904	904	904
	Dimensions	4.1 Tilt of upright/fork carriage, $\alpha / \beta$	$^{\circ}$	10/6	10/6	10/6
4.2 Height, upright lowered		h1(mm)	2165	2165	2180	2180
4.3 Freelift		h2(mm)	110	110	110	115
4.4 Lift height 2)		h3(mm)	3195	3195	3195	3165
4.5 Height, upright extended 6)		h4(mm)	3897	3897	3967	3903
4.7 Height overheadguard 7)		h6(mm)	2170	2170	2180	2180
4.8 Seat height		h7(mm)	1139	1139	1139	1139
4.12 Coupling height		h10(mm)	360	360	360	360
4.19 Overall length		l1(mm)	3653	3747	3857	3895
4.20 Length to face of forks		l2(mm)	2583	2677	2787	2825
4.21 Width (wide/dual)		b1 (mm)	1185(1265/1629)	1185(1265/1629)	1250(1330/1629)	1250(1330/1629)
4.22 Fork dimensions		s • e • l (mm)	45x100x1070	45x100x1070	45x122x1070	50x125x1070
4.23 Fork carriage DIN 15173, A, B			CLASS II	CLASS II	CLASS III	CLASS III
4.24 Fork carriage width (wide)		b12 (mm)	989	989	1011	1100
4.31 Ground clearance minimum		m1 (mm)	135	135	150	150
4.32 Ground clearance centre of wheelbase		m2 (mm)	155	155	165	165
4.33 Aisle width for pallets 1000 x 1200 crossways		Ast(mm)	3955	4045	4150	4170
4.34 Aisle width for pallets 800 x 1200 lengthways		Ast(mm)	4155	4245	4350	4370
4.35 Outside turning radius	Wa(mm)	2290	2380	2480	2510	
4.36 Internal turning radius	b13 (mm)	825	825	852	889	
Performances	5.1 Travel speed laden/unladen	km/h	16.5/18.0	16.5/18.0	17.9/19.1	17.8/19.0
	5.2 Lift speed laden/unladen	m/s	0.49/0.52	0.49/0.52	0.48/0.52	0.51/0.56
	5.3 Lowering speed laden/unladen	m/s	0.54/0.50	0.54/0.50	0.54/0.50	0.50/0.43
	5.6 Max. drawbar pull laden/unladen 3)	N	19829/9551	19730/9129	21074/10865	20515/10385
	5.8 Max. gradeability laden/unladen 3)	%	43.0/24.0	33.0/21.0	29.0/22.6	24.5/19.5
	5.10 Service brake		Wet disc brake	Wet disc brake	Wet disc brake	Wet disc brake
I.C.-Engine	7.1 Manufacturer / Type 4)		Hyundai / THETA2.4	THETA2.4	THETA2.4	THETA2.4
	7.2 Rated output acc. to SAE J 1349	kW	48.7	48.7	48.7	48.7
	7.3 Rated speed acc. DIN 70 020	min-1	2500	2500	2500	2500
	7.4 No. of cylinders / displacement	/cm3	4/2359	4/2359	4/2359	4/2359
	7.5 Fuel consumption acc. VDI-Cycle	Diesel= l/h, L.P.-Gas= kg/h	-	-	-	-
Miscellaneous	8.1 Type of control		Hydrodyn	Hydrodyn	Hydrodyn	Hydrodyn
	8.2 Operating pressure for attachments 8)	bar	Adjustable	Adjustable	Adjustable	Adjustable
	8.3 Oil flow for attachments	l/min	-	-	-	-
	8.4 Sound level, driver's ear 5)	dB (A)	79	79	79	79
	8.5 Towing coupling, class/type DIN		Pin	Pin	Pin	Pin

\*1) Optional with super-elastic tyres \*2) Further lift heights see upright table \*3) At friction coefficient  $\mu = 0.6$  and laden with 1.6 km/h \*4) Diesel = Yanmar (Stage 3a) or ISUZU (Stage 3b) LPG = Hyundai (Stage 0) \*5) Equivalent permanent sound-pressure level L pAeq, T in accordance with DIN EN 12053 (previously DIN 45635-36) \*6) With load backrest \*7) Height with cabin and radio antenna + 60mm \*8) Max. 140 bar

Performance may vary +5% and -10% due to motor and system efficiency tolerance. The performance shown represents nominal values which may be obtained under typical operating conditions of a machine. CLARK products and specifications are subject to change without notice.