

SPECIFICATIONS

GEX40/50 Spec Sheet (acc. to VDI 2198)

1.1 Manufacturer (Abbreviation)		CLARK	CLARK	CLARK
Specifications	1.2 Manufacturer's designation	GEX40	GEX45	GEX50
	1.3 Drive unit	Elec -80V	Elec -80V	Elec -80V
	1.4 Operator type stand on / driver seated	Driver seated	Driver seated	Driver seated
	1.5 Load Capacity / rated load Q (Kg)	4000	4500	4990
	1.6 Load Center distance c (mm)	500	500	500
	1.8 Load Center distance, centre of drive axle to fork face *1 x (mm)	535	535	535
	1.9 Wheelbase y (mm)	2000	2000	2000
WT	2.1 Service weight *2 Kg	7019 [6852]	7499 [7332]	7909 [7742]
	2.2 Axle loading, laden front / rear *2 Kg	9795 [9723] 1225 [1129]	10745 [10673] 1255 [1159]	11450 [11379] 1449 [1353]
	2.3 Axle loading, unladen front / rear *2 Kg	3725 [3653] 3295 [3199]	3916 [3845] 3583 [3488]	3878 [3807] 4031 [3936]
Tyres, Chassis	3.1 Tyre type, SE = superelastic	SE	SE	SE
	3.2 Tyre size, front	250-15	28x12.5-15	28x12.5-15
	3.3 Tyre size, rear	21-8-9	21-8-9	21-8-9
	3.5 Wheels, number front/rear (x=drive wheels)	2X/2	2X/2	2X/2
	3.6 Tread, front b10 (mm)	1150	1180	1180
	3.7 Tread, rear b11 (mm)	1000	1000	1000
	Dimensions	4.1 Tilt of upright/fork carriage deg	8/8	8/8
4.2 Height, upright lowered h1 (mm)		2225	2225	2225
4.3 Freelift h2 (mm)		130	130	130
4.4 Lift height *3 h3 (mm)		3000	3000	3000
4.5 Height upright extended (with load backrest) h4 (mm)		4232	4232	4232
4.7 Height overheadguard (cabin) h6 (mm)		2310 (2360)	2310 (2360)	2310 (2360)
4.8 Seat height/stand height h7 (mm)		1280	1280	1280
4.12 Coupling height (mm)		500	500	500
4.19 Overall length l1 (mm)		4001	4001	4001
4.20 Length to face of forks l2 (mm)		2931	2931	2966
4.21 Width b1 (mm)		1396	1490	1490
4.22 Fork dimensions s*e*1 (mm)		1070x122x50	1070x150x50	1070x150x50
4.23 Fork carriage ISO 2328, A, B		III A	III A	III A
4.24 Fork carriage width b3 (mm)		1324	1438	1438
4.31 Ground clearance minimum, unladen m1 (mm)		135	135	135
4.32 Ground clearance center of wheelbase m2 (mm)		152	152	152
4.34 Aisle Width for pallets 1000 x 1200 crossways (mm)		4410	4410	4435
4.34 Aisle width for pallets 800 X 1200 lengthways (mm)		4610	4610	4635
4.35 Turning radius Wa (mm)		2675	2675	2700
4.36 Internal Turning radius b13 (mm)	738	785	785	
Performance	5.1 Travel speed laden/unladen Km/h	20 / 21	19 / 20	19 / 20
	5.2 Lift speed laden/unladen m/s	0,35 / 0,47	0,33 / 0,47	0,31 / 0,47
	5.3 Lowering speed laden/unladen m/s	0,53 / 0,5	0,53 / 0,5	0,53 / 0,5
	5.6 Max. drawbar pull laden/unladen * 2 *4 N	3341 [3348] / 2616 [2566]	3302 [3309] / 2739 [2698]	3266 [3276] / 2700 [2660]
	5.8 Max. gradeability laden/unladen *2 *4 %	25 [25] / 34 [31]	20 [21] / 31 [28]	20 [21] / 31 [28]
	5.10 Service brake	Wet disc brake	Wet disc brake	Wet disc brake
Drive line	6.1 Drive motor rating (S2 60min) kW	11.3x2	11.3x2	11.3x2
	6.2 Lift motor rating (S3 15%) kW	26	26	26
	6.3 Battery acc. to DIN43531/35/36 A,B,C,no	DIN 43531A	DIN 43531A	DIN 43531A
	6.4 Battery voltage, nominal capacity V/Ah	80V, 840 [775]	80V, 840 [775]	80V, 840 [775]
	6.5 Battery weight (Min) Kg	2069 [1770]	2069 [1770]	2069 [1770]
	6.6 Energy consumption acc. to VDI cycle kWh/h	17	17,5	17,9
Miscellaneous	8.1 Type of control	AC / Inverter	AC / Inverter	AC / Inverter
	8.2 Operating pressure for attachments	adjustable	adjustable	adjustable
	8.3 Oil volume for attachments (adjustable) l/min	max. 35	max. 35	max. 35
	8.4 Sound level, driver's ear according to DIN 12053 dB (A)	74	74	74

*1 Load center distance is for Standard and Hi-Lo uprights with FEM forks. For triple stage uprights add +34 mm.

For Clark integral side-shifter add +74 mm. For Clark hook on side-shifter add +78 mm.

*2 Figures in brackets showing the values for the GEX40-50 version with battery 775Ah (optional placeholders in the battery compartment required)

*3 Further lift heights see upright table

*4 At friction coefficient $\mu=0.6$ with 1.6 km/h

All values shown are for standard lift truck with standard equipment. If the truck is supplied with options, values may change. All values given may vary +5% and -10% due to the motor and system tolerances and represent nominal values obtained under typical operating conditions. Specifications for Non-emission limited truck.