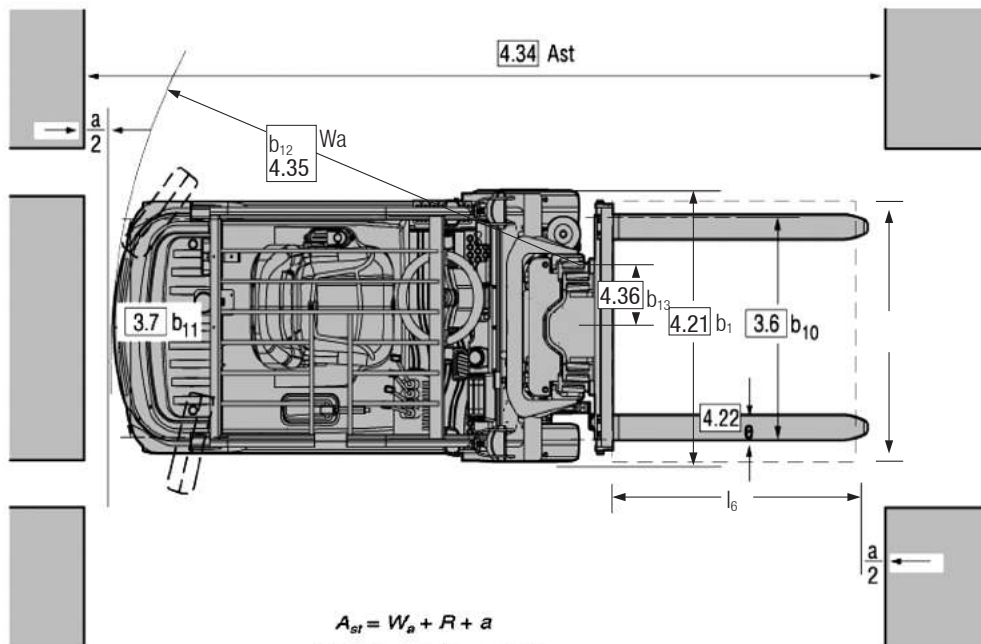
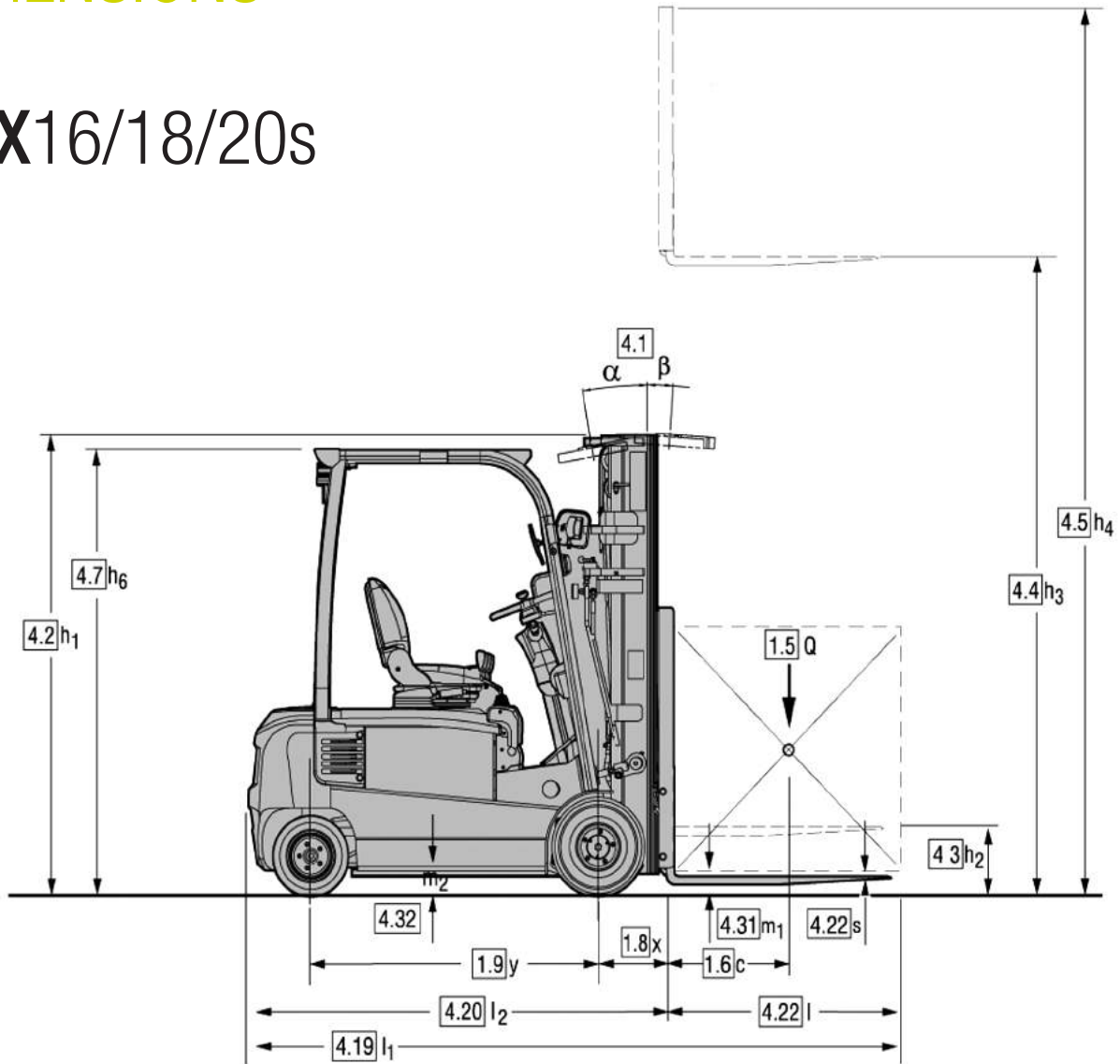


# DIMENSIONS

## GEX16/18/20s



$$A_{st} = W_a + R + a$$

$$A_{st} = W_a + \sqrt{(\ell_6 + x)^2 + \left(\frac{b_{12}}{2} - b_{13}\right)^2} + a$$

applies only if  $\frac{b_{12}}{2} \geq b_{13}$

For corresponding data see Specification Chart.



# SPECIFICATIONS

## Product Specifications acc. to VDI 2198

1.1 Manufacturer (Abbreviation)		CLARK	CLARK	CLARK	
Specifications	1.2 Manufacturer's designation	GEX16	GEX18	GEX20s	
	1.3 Drive unit	Elec-48V	Elec-48V	Elec-48V	
	1.4 Operator type stand on / driver seated	Rider-seated	Rider-seated	Rider-seated	
	1.5 Load capacity / rated load	Q (kg)	1600	1800	2000
	1.6 Load centre distance	c (mm)	500	500	500
	1.8 Load centre distance, centre of drive axle to fork face	x (mm)	356	356	361
	1.9 Wheelbase	y (mm)	1312	1420	1420
Weight	2.1 Service weight	kg	3132	3235	3409
	2.2 Axle loading, laden front / rear	kg	3979/753	4373/662	4759/650
	2.3 Axle loading, unladen front / rear	kg	1416/1716	1490/1745	1559/1850
Tyres, Chassis	3.1 Tyre type, SE = superelastic, C = cushion		SE	SE	SE
	3.2 Tyre size, front, superelastic		18x7-8	18x7-8	200/50-10
	3.3 Tyre size, rear, superelastic		15x4.5x8	15x4.5x8	15x4.5x8
	3.5 Wheels, number front/rear (x = drive wheels)		2x/2	2x/2	2x/2
	3.6 Tread, front SE (C)	b10 (mm)	905	905	915
	3.7 Tread, rear	b11 (mm)	870	870	870
	Dimensions	4.1 Tilt of upright/fork carriage, a / b	deg	6/6	6/6
4.2 Height, upright lowered		h1 (mm)	2060	2060	2060
4.3 Freelift		h2 (mm)	132	132	132
4.4 Lift height *1		h3 (mm)	3085	3085	3085
4.5 Height, upright extended (with load backrest)		h4 (mm)	4309	4309	4304
4.7 Height overheadguard (Cabin)		h6 (mm)	2055 (2090)	2055 (2090)	2059 (2094)
4.8 Seat height		h7 (mm)	1020	1020	1020
4.12 Coupling height		h10 (mm)	360	360	360
4.19 Overall length		l1 (mm)	3044	3154	3159
4.20 Length to face of forks		l2 (mm)	1976	2084	2089
4.21 Width		b1 (mm)	1059	1059	1122
4.22 Fork dimensions		s*e*l (mm)	40x100x1070	40x100x1070	40x100x1070
4.23 Fork carriage DIN 15173, A, B			II A	II A	II A
4.24 Fork carriage width		b3 (mm)	940	940	940
4.31 Ground clearance minimum, laden		m1 (mm)	85	85	85
4.32 Ground clearance centre of wheelbase		m2 (mm)	84	84	87
4.34 Stacking aisle for pallets (l6 • b12) 1000 x 1200 across	Ast (mm)	3275	3391	3395	
4.34 Stacking aisle for pallets (l6 • b12) 800 x 1200 along	Ast (mm)	3410	3522	3527	
4.35 Turning radius	Wa (mm)	1620	1728	1728	
4.36 Internal turning radius	b13 (mm)	72	52	52	
Performance	5.1 Travel speed laden/unladen	Km/h	15/16	15/16	15/16
	5.2 Lift speed laden/unladen	m/s	0,40/0,50	0,37/0,50	0,35/0,50
	5.3 Lowering speed laden/unladen	m/s	0,57/0,52	0,57/0,52	0,57/0,52
	5.6 Max. drawbar pull laden/unladen (S2 5 min) *2	N	7277/16357	7698/16397	7326/16053
	5.8 Max. gradeability laden/unladen (S2 5 min) *2	%	21,3/37,7	22,1/35,2	22,4/31,8
	5.10 Service brake		Wet disc brake	Wet disc brake	Wet disc brake
Drive line	6.1 Drive motor rating (S2 60 min)	kW	2x4.4	2x4.4	2x4.4
	6.2 Lift motor rating (S3 15%)	kW	15,2	15,2	15,2
	6.3 Battery acc. to DIN43531/35/36		DIN43531A	DIN43531A	DIN43531A
	6.4 Battery voltage, nominal capacity K5	V/Ah	48/460(500)	48/575(625)	48/575(625)
	6.5 Battery weight (min)	kg	708	856	856
Misc.	8.1 Type of control		AC/Inverter	AC/Inverter	AC/Inverter
	8.2 Operating pressure for attachments	bar	max. 140	max. 140	max. 140
	8.4 Sound level, driver's ear	dB (A)	72	72	72

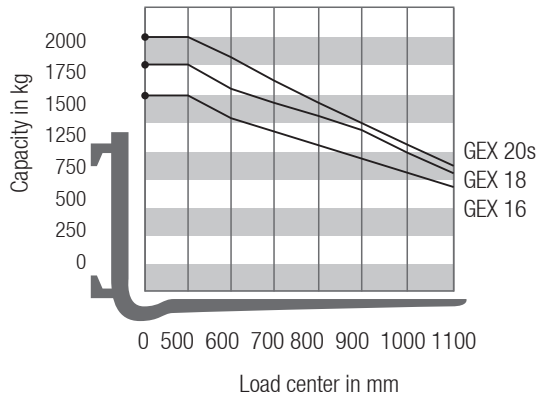
\*1 Further lift heights see upright table

\*2 At friction coefficient  $\mu=0.8$  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.

# GENERAL DATA

## Truck Capacities Capacity at different load centres



### Note:

The listed capacities are valid only for the standard upright in vertical position with standard fork carriage and standard forks, up to max. lifting height of 3085 mm. The centre of gravity of the load may be displaced by max. 100 mm against the longitudinal centre plane of the truck. Load centre is determined from top and front face of the forks. The values are based on a 1000 mm cube load configuration with the centre of gravity at the true centre of the cube with upright tilted forward lower capacity values are valid. Attachments, longer forks, exceptional load dimensions and higher lifting heights can reduce the capacity.

Please talk to your CLARK dealer if you require further information.

## Upright table GEX16/18/20s

Mast type	Maximum Fork Height (h3)	Mast Lowered (h1)	Mast Extended (h4)		Free lift (h2)	
			with load backrest	without load backrest	with load backrest	without load backrest
	mm	mm	mm	mm	mm	mm
Standard	2545	1792	3771	3169	132	132
	2795	1917	4021	3419		
	3085	2060	4311	3709		
	3285	2162	4511	3909		
	3639	2339	4865	4263		
	4069	2612	5295	4693		
	4365	2812	5591	4989		
	4653	3007	5879	5277		
Triple	3970	1835	5194	4594	611	1211
	4345	1960	5569	4969	736	1336
	4780	2105	6004	5404	881	1481
	5185	2255	6409	5809	1031	1631
	5565	2415	6789	6189	1191	1791
	5740	2480	6964	6364	1256	1856
	6015	2605	7239	6639	1381	1981
	6470	2795	7694	7094	1571	2171
	7075	3050	8299	7699	1826	2426
HI-LO	2925	1960	4149	3549	736	1336
	3215	2105	4439	3839	881	1481
	3515	2255	4739	4139	1031	1631
	3695	2345	4919	4319	1121	1721
	3810	2415	5034	4434	1191	1791

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.