

# GTX GEX

**16/18/20s**  
3-WHEEL/4-WHEEL

ELECTRIC 36 or 48 VOLT  
3200 / 3600 / 4000 lbs.  
(1600 / 1800 / 2000 kg)



**CLARK**<sup>®</sup>  
**THE FORKLIFT**

# STANDARD SPECIFICATIONS

# GTX/GEX 16/18/20s

1 Manufacturer		CLARK		CLARK		CLARK	
General Information	2 Model	Manufacturer's Designation		GTX16   GEX16	GTX18   GEX18	GTX20s   GEX 20s	
	3 Load Capacity		lbs(kg)	3200 (1600)	3600 (1800)	4000 (2000)	
	4 Load Center	Fork Face to Load CG	in(mm)	24 (500)	24 (500)	24 (500)	
	5 Power Unit	Electric		36 / 48 volt	36 / 48 volt	36 / 48 volt	
	6 Operator Type			Rider Counterbalanced	Rider Counterbalanced	Rider Counterbalanced	
	7 Tire Type			Solid Pneumatic	Solid Pneumatic	Solid Pneumatic	
	8 Wheels (x=driven)	Front/Rear		2X / 2	2X / 2	2X / 2	
	Basic Dimensions	9 Upright <sup>1</sup>	Maximum Lift Height, Full Capacity	in(mm)	171 (4345)	156 (3970)	156 (3970)
10		Lift Height (Preferred Upright)	in(mm)	188 (4780)	188 (4780)	188 (4780)	
11		Freelift w/ LBR	in(mm)	34 (867)	34 (867)	34 (867)	
12 Upright Tilt		Back/Forward (Triple Stage Upright)	degrees	6 / 6	6 / 6	6 / 6	
13 Fork		Std. Fork Size (T x W x L)	in(mm)	1.4 x 4 x 42 (35 x 100 x 1067)	1.4 x 4 x 42 (35 x 100 x 1067)	1.5 x 4 x 42 (40 x 100 x 1070)	
14 Carriage		Width of Carriage	in(mm)	37 (940)	37 (940)	37 (940)	
15 Overall Dimensions		Length to Fork Face (TSU) <sup>2</sup>	in(mm)	74.6 (1896)   77.8 (1976)	78.9 (2004)   82.0 (2084)	80.7 (2049)   82.2 (2089)	
16		Width Over Tires	in(mm)	41.7 (1059)	41.7 (1059)	44.2 (1122)	
17		Width Over Frame	in(mm)	43.5 (1105)	43.5 (1105)	45.1 (1146)	
18		Height, Upright Lowered	in(mm)	83 (2165)	83 (2165)	83 (2165)	
19		Height, Upright Extended w/ LBR	in(mm)	236 (5994)	236 (5994)	236 (5994)	
20		Height, Overhead Guard	in(mm)	81.3 (2066)   80.9 (2055)	81.3 (2066)   80.9 (2055)	81.3 (2066)   81.1 (2059)	
21 Step Height		Ground to Top of Step	in(mm)	16.4 (416)	16.4 (416)	16.4 (416)	
22							
23 Turning Radius			in(mm)	60.6 (1540)   63.8 (1620)	64.9 (1648)   68.0 (1728)	66.5 (1688)   68.0 (1728)	
24 Load Center Distance		Center of Drive Axle to Fork Face <sup>2</sup>	in(mm)	14.0 (356)	14.0 (356)	14.2 (361)	
25 Right Angle Stack Aisle		Add Load Length and Clearance <sup>2</sup>	in(mm)	74.6 (1895)   77.8 (1976)	78.9 (2004)   82.0 (2084)	80.7 (2050)   82.2 (2089)	
26							
Performance	27 Stability	According to ANSI		Yes	Yes	Yes	
	28 Speeds	Travel Speed, Max. With Load	mph(kph)	9.3 (15) / 9.3 (15)	9.3 (15) / 9.3 (15)	9.3 (15) / 9.3 (15)	
	29	Travel Speed, Max. Without Load	mph(kph)	9.3 (15) / 9.9 (16)	9.3 (15) / 9.9 (16)	9.3 (15) / 9.9 (16)	
	30 Lift Speeds, Loaded	Triple Stage Upright	fpm(mps)	79 (.40) / 79 (.40)	73 (.37) / 73 (.37)	55 (.28) / 69 (.35)	
	31 Lift Speeds, Unloaded	Triple Stage Upright	fpm(mps)	98 (.50) / 98 (.50)	98 (.50) / 98 (.50)	97 (.49) / 98 (.50)	
	32 Lower Speeds, Loaded	Triple Stage Upright	fpm(mps)	112 (0.57)	112 (0.57)	112 (0.57)	
	33 Lower Speeds, Unloaded	Triple Stage Upright	fpm(mps)	102 (0.52)	102 (0.52)	102 (0.52)	
Weights <sup>3</sup>	34 Service Weight, TSU	W/Min Battery Weight	lbs(kg)	7128 (3233)   7306 (3314)	7419 (3365)   7534 (3417)	7842 (3557)   7917 (3591)	
	35 Axle loading	With Load, Front	lbs(kg)	9450 (4286)   9207 (4176)	10024 (4547)   9859 (4472)	10774 (4887)   10703 (4855)	
	36	With Load, Rear	lbs(kg)	878 (398)   1300 (590)	995 (451)   1275 (578)	1068 (484)   1214 (551)	
	37	W/O Load, Front	lbs(kg)	3843 (1743)   3600 (1633)	3923 (1779)   3758 (1705)	3980 (1805)   3910 (1774)	
	38	W/O Load, Rear	lbs(kg)	3285 (1491)   3706 (1681)	3496 (1586)   3776 (1713)	3862 (1752)   4007 (1818)	
Chassis	39 Tires	Number, Front/Rear		2 / 2	2 / 2	2 / 2	
	40	Size, Front		18 x 7-8	18 x 7-8	200/50-10	
		Size, Rear		15 x 4.5-8	15 x 4.5-8	15 x 4.5-8	
	41 Wheelbase		in(mm)	51.7 (1312)	55.9 (1420)	55.9 (1420)	
	42 Track	Front	in(mm)	35.6 (905)	35.6 (905)	36.0 (915)	
	43	Rear	in(mm)	7.6 (194)   34.3 (870)	7.6 (194)   34.3 (870)	7.6 (194)   34.3 (870)	
	44 Ground Clearance	Min w/Load	in(mm)	3.3 (85)	3.3 (85)	3.3 (85)	
	45	At Center of Wheelbase, Loaded	in(mm)	3.9 (100)   3.3 (84)	3.9 (100)   3.3 (84)	3.9 (100)   3.4 (87)	
	46 Service Brake	Type		Regenerative / Wet-Disk	Regenerative / Wet-Disk	Regenerative / Wet-Disk	
	47 Parking Brake	Type		Hand Operated	Hand Operated	Hand Operated	
Drive Line	Steering	Type		Hydrostatic	Hydrostatic	Hydrostatic	
	48 Battery	Type		Lead-Acid	Lead-Acid	Lead-Acid	
		Max Capacity (6 hr. Rate, 36V)	kWh	22.9	26.8	26.8	
		Weight, Min	lbs(kg)	1482 (672)	1793 (813)	1793 (813)	
	49 Motors, Controls	Drive Motor, Diameter (Dual)	in(mm)	7.9 (200)	7.9 (200)	7.9 (200)	
		Hydraulic Motor, Diameter	in(mm)	6.7 (170)	6.7 (170)	6.7 (170)	
		Drive Motor Control		Inverter	Inverter	Inverter	
		Speed Control		Solid State	Solid State	Solid State	
	Hydraulic Motor Control		Inverter	Inverter	Inverter		
57 Hydraulic Pressure			Adjustable	Adjustable	Adjustable		
58 Sound Level	Avg. at Operator's Ear Per ANSI B56.11.5	dB(A)	72	72	72		

- Notes:
- 1 See upright table for other available uprights.
  - 2 Dimensions are for TSU uprights, other uprights will have different dimensions.
  - 3 Specifications are given with preferred triple stage upright and minimum battery weight.