

GENERAL DATA & STANDARD DIMENSIONS

STANDARD SPECIFICATIONS

GEX20/25/30

Upright Table

Maximum Fork Height in	Overall Height Lowered in	Free Lift in	Standard Tilt Spec B°/F°	GEX 20	GEX 25	GEX 30
79 (2015)	62.0 (1575)	4.3 (110)	8/8			41%
101 (2575)	73.0 (1855)	4.3 (110)	8/8			38%
113 (2875)	78.9 (2005)	4.3 (110)	8/8			36%
126 (3195)	85.2 (2165)	4.3 (110)	8/8			
147 (3725)	96.7 (2455)	4.3 (110)	8/8			
152 (3860)	99.6 (2530)	4.3 (110)	8/8			
164 (4165)	110.2 (2800)	4.3 (110)	5/6			
172 (4380)	118.1 (3000)	4.3 (110)	5/6			
182 (4620)	127.2 (3230)	4.3 (110)	5/6			
203 (5170)	137.6 (3495)	4.3 (110)	5/3			

Standard Two Stage

79 (2015)	62.0 (1575)	4.3 (110)	8/8
101 (2575)	73.0 (1855)	4.3 (110)	8/8
113 (2875)	78.9 (2005)	4.3 (110)	8/8
126 (3195)	85.2 (2165)	4.3 (110)	8/8
147 (3725)	96.7 (2455)	4.3 (110)	8/8
152 (3860)	99.6 (2530)	4.3 (110)	8/8
164 (4165)	110.2 (2800)	4.3 (110)	5/6
172 (4380)	118.1 (3000)	4.3 (110)	5/6
182 (4620)	127.2 (3230)	4.3 (110)	5/6
203 (5170)	137.6 (3495)	4.3 (110)	5/3

Triple Stage

152 (3860)	73.0 (1855)	25.0 (636)	5/6
170 (4320)	78.9 (2005)	30.9 (786)	5/6
189 (4800)	85.2 (2165)	37.2 (946)	5/6
205 (5210)	90.7 (2305)	42.8 (1086)	5/3
217 (5520)	96.7 (2455)	48.7 (1236)	5/3
226 (5740)	99.6 (2530)	51.6 (1311)	5/3
240 (6100)	105.9 (2690)	57.9 (1471)	5/3
251 (6370)	110.2 (2800)	62.2 (1581)	3/3
269 (6830)	118.1 (3000)	70.1 (1781)	3/3
288 (7315)	127.2 (3230)	79.2 (2011)	3/3

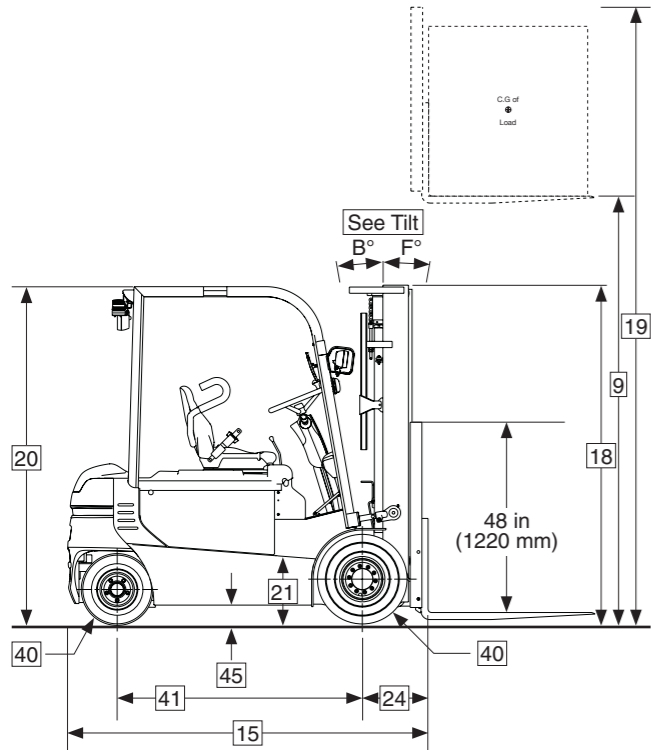
Hi-Lo

115 (2935)	78.9 (2005)	30.9 (786)	8/8
128 (3255)	85.2 (2165)	37.2 (946)	8/8
139 (3530)	90.7 (2305)	42.8 (1086)	8/8
148 (3760)	96.7 (2455)	48.7 (1236)	8/8
154 (3910)	99.6 (2530)	51.6 (1311)	8/8

• Indicates preferred standard sizes. For overall height raised with load backrest, add 48 in. (1220 mm) to maximum fork height. Other uprights available. Contact a Clark representative.

Battery Compartment Dimensions

Width (W) in	Length (L) in	Height (H) in	Weight lbs	kg
GEX 20/25				
40.5 (1029)	28.0 (711)	30.75 (781)	3435 (1558)	
GEX 30				
40.5 (1029)	33.6 (853)	30.75 (781)	4108 (1863)	



For corresponding data see Specification Chart

Grade Clearance*

GEX 20	41%
GEX 25	38%
GEX 30	36%

* The GEX is designed for operation on and over grades but must be limited to 20%.

Tilt Specifications*

Upright MFH (in / mm) Tilt Angle B° / F°

Standard and Hi-Lo uprights thru 154 in. (3910 mm) 8°B / 8°F

TSU thru 189 in. (4800 mm) and Standard 164 in. (4165 mm) thru 182 in. (4620 mm) 5°B / 6°F

TSU 205 in. (5210 mm) thru 240 in. (6100 mm) and 203 in. (5170 mm) Standard 5°B / 3°F

TSU 251 in. (6370 mm) thru 288 in. (7315 mm) 3°B / 3°F

* Standard tilt with MFH's noted. Contact Clark representative for information on optional tilt.

Notes

Performance may vary +5% and -10% due to motor and systems efficiency tolerance. The performance shown represents nominal values which may be obtained under typical operating conditions of a standard machine.

ANSI/ITSDF and Insurance Classification

Standard truck meets all applicable mandatory requirements of Part III-ANSI/ITSDF B56.1 Safety Standard for Powered Industrial Trucks (latest edition at time of manufacture) and Underwriters Laboratories requirements as to fire and electrical shock hazard only for "E" classification. For further information contact a Clark representative.

Users should be aware of, and adhere to, applicable codes and regulations regarding operator training, use, operation and maintenance of powered industrial trucks, including:

- ANSI/ITSDF B56.1
- NFPA 505, fire safety standard for powered industrial trucks - type designations, areas of use, maintenance and operation.
- Occupational Safety and Health Administration (OSHA) regulations that may apply.

Contact your authorized CLARK forklift truck dealer for further information including operator training programs and auxiliary visual and audible warning systems, fire extinguishers, etc., as available for specific user applications and requirements.

Specifications, equipment, technical data, photos and illustrations are based on information at time of printing and are subject to change without notice. Some products may be shown with optional equipment.

And Don't Forget... Safety Starts With You!

Before operating a lift truck, an operator must:

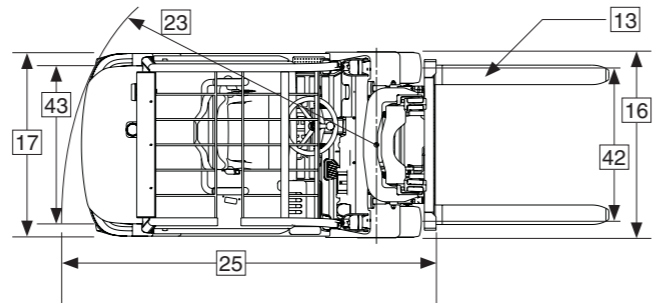
- Be trained and authorized
- Read and understand operator's manual
- Not operate a faulty lift truck
- Not repair a lift truck unless trained and authorized
- Have the overhead guard and load backrest extension in place
- Perform daily inspections

During operation, a lift truck operator must:

- Wear a seat belt
- Keep entire body inside truck cab
- Never carry passengers or lift people
- Keep truck away from people and obstructions
- Travel with lift mechanism as low as possible and tilted back
- Allow safe stopping distance and come to a complete stop before leaving operator compartment

To park a lift truck, an operator must:

- Completely lower forks or attachments • Shift into neutral • Turn key off • Set parking brake



1	Manufacturer		Clark	Clark	Clark
2	Model	Manufacturer's Designation	GEX20	GEX25	GEX30
3	Load Capacity	lbs(kg)	4000 (2000)	5000 (2500)	6000 (3000)
4	Load Center	Fork Face to Load CG in(mm)	24 (500)	24 (500)	24 (500)
5	Power Unit		80 Volt	80 Volt	80 Volt
6	Operator Type		Rider Counterbalance	Rider Counterbalance	Rider Counterbalance
7	Tire Type		Solid Pneumatic	Solid Pneumatic	Solid Pneumatic
8	Wheels (x=driven)	Front/Rear	2X / 2	2X / 2	2X / 2
9	Upright ^{1,2}	Maximum Lift Height, Full Capacity in(mm)	217 (5520)	189 (4800)	170 (4320)
10		Lift Height (Preferred Upright) in(mm)	189 (4800)	189 (4800)	189 (4800)
11		Freelift w / wo LBR in(mm)	37.2 / 60.7 (945 / 1542)	37.2 / 60.7 (945 / 1542)	37.2 / 60.7 (945 / 1542)
12	Upright Tilt	Back/Forward (Triple Stage Upright) degrees	See Table	See Table	See Table
13	Fork	Std. Fork Size (T x W x L) in(mm)	1.75x4x42 (45x100x1067)	1.75x4x42 (45x100x1067)	1.75x5x42 (45x122x1067)
14	Carriage	Width of Carriage in(mm)	41 (1041)	41 (1041)	41 (1041)
15	Overall Dimensions	Length to Fork Face (TSU) ² in(mm)	93.3 (2370)	93.3 (2370)	98.9 (2512)
16		Width Over Tires in(mm)	48.4 (1230)	48.4 (1230)	48.4 (1230)
17		Width Over Frame in(mm)	46.8 (1187)	46.8 (1187)	46.8 (1187)
18		Height, Upright Lowered in(mm)	84.8 (2154)	84.8 (2154)	84.8 (2154)
19		Height, Upright Extended w / wo LBR in(mm)	237 / 213.5 (6020 / 5423)	237 / 213.5 (6020 / 5423)	237 / 213.5 (6020 / 5423)
20		Height, Overhead Guard in(mm)	84.6 (2148)	84.6 (2148)	84.6 (2148)
21	Step Height	Ground to Top of Step in(mm)	16.5 (419)	16.5 (419)	16.5 (419)
22					
23	Turning Radius	in(mm)	75.8 (1925)	75.8 (1925)	82.2 (2087)
24	Load Center Distance	Center of Drive Axle to Fork Face ² in(mm)	17.4 (442)	17.4 (442)	17.8 (452)
25	Right Angle Stack Aisle	Add Load Length and Clearance ² in(mm)	93.2 (2367)	93.2 (2367)	100.0 (2539)
26					
27	Stability	According to ANSI	Yes	Yes	Yes
28	Speeds	Travel Speed, Max, With Load mph(kph)	9.7 (15.7)	9.6 (15.4)	9.4 (15.2)
29		Travel Speed, Max, Without Load mph(kph)	10.3 (16.7)	10.3 (16.7)	10.3 (16.7)
30	Lift Speeds, Loaded	Triple Stage Upright fpm(mps)	94 (0.48)	80 (0.41)	74 (0.38)
31	Lift Speeds, Unloaded	Triple Stage Upright fpm(mps)	106 (0.54)	106 (0.54)	98 (0.50)
32	Lower Speeds, Loaded	Triple Stage Upright fpm(mps)	92 (0.47)	92 (0.47)	92 (0.47)
33	Lower Speeds, Unloaded	Triple Stage Upright fpm(mps)	84 (0.43)	84 (0.43)	84 (0.43)
34	Service Weight, TSU	W/Min Battery Weight lbs(kg)	9592 (4350)	10033 (4550)	10099 (4580)
35	Axle loading	With Load, Front lbs(kg)	11880 (5560)	13636 (6400)	15084 (7103)
36		With Load, Rear lbs(kg)	1712 (790)	1396 (650)	1015 (477)
37		W/O Load, Front lbs(kg)	5268 (2389)	5371 (2436)	5444 (2469)
38		W/O Load, Rear lbs(kg)	4324 (1961)	4661 (2114)	4655 (2111)
39	Tires	Number, Front/Rear	2 / 2	2 / 2	2 / 2
40		Size, Front in	23x9-10 (16PR)	23x9-10 (16PR)	23x9-10 (16PR)
		Size, Rear in(mm)	18X7-8 (16PR)	18X7-8 (16PR)	18X7-8 (16PR)
41	Wheelbase	in(mm)	63.4 (1610)	63.4 (1610)	68.9 (1750)
42	Track	Front in(mm)	39.6 (1005)	39.6 (1005)	39.6 (1005)
43		Rear in(mm)	38.0 (966)	38.0 (966)	38.0 (966)
44	Ground Clearance ⁴	Min w/Load in(mm)	5.3 (135)	5.3 (135)	5.3 (135)
45		At Center of Wheelbase, Loaded in(mm)	4.5 (114)	4.5 (114)	4.5 (114)
46	Service Brake	Type	Regenerative/Wet-Disk	Regenerative/Wet-Disk	Regenerative/Wet-Disk
47	Parking Brake	Type	Hand Operated	Hand Operated	Hand Operated
	Steering	Type	Hydrostatic	Hydrostatic	Hydrostatic
48	Battery	Type	Lead-Acid	Lead-Acid	Lead-Acid
		Max Capacity (6 hr. Rate) kWh	54.4	54.4	60.5
		Weight, Min lbs(kg)	3435 (1558)	3435 (1558)	4108 (1863)
49	Motors, Controls	Drive Motor, Diameter (Dual) in(mm)	2X 9.4 (240)	2X 9.4 (240)	2X 9.4 (240)
		Hydraulic Motor, Diameter in(mm)	7.9 (200)	7.9 (200)	7.9 (200)
		Drive Motor Control	Mosfet Inverter	Mosfet Inverter	Mosfet Inverter
		Speed Control	Solid State	Solid State	Solid State
		Hydraulic Motor Control	Mosfet Inverter	Mosfet Inverter	Mosfet Inverter
57	Hydraulic Pressure		Adjustable	Adjustable	Adjustable
58	Sound Level	Avg. at Operator's Ear Per ANSI B56.11.5 dB(A)	73	73	73

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

4 Ground clearance at center of wheelbase is 4.5" and 3.0" at drive tires.