









Highly Maneuverable, Easily Serviceable, Broadly Flexible, Extremely Dependable

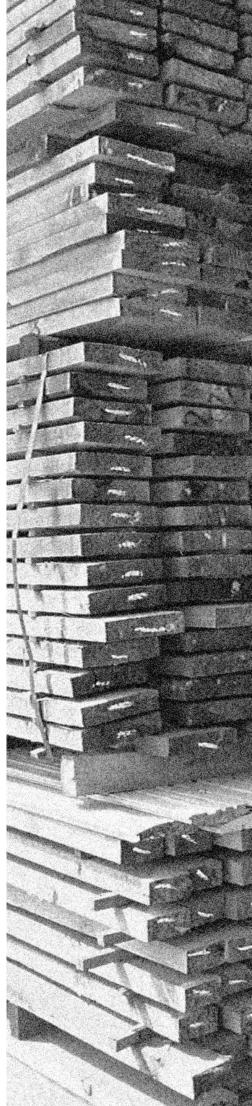
In the past, one truck would be used for outdoor applications and another truck would be used for indoor warehousing. Now one GEX can handle both environments, leaving you with the realization... two "hands" aren't always better than one.

The 80 volt high performance drive and lift systems allow the GEX to rival internal combustion truck performance in speed, acceleration and gradeability.

Speed of the independent dual-drive motors is factored by steer angle; this
reduces tire wear and enables gentle start-up, even when steering is fully
locked. Solid-pneumatic tires, plus enclosed motors and sealed controls,
allow the truck to operate outdoors as well, making the GEX an excellent
indoor/outdoor truck.

Maximum Visibility + Minimum Fatigue = Increased Safety & Product Integrity





GEX STANDARD FEATURES & BENEFITS



HEAVY DUTY AC DRIVE MOTORS & AXLES

- Fewer Parts & Minimum Wear = Less Downtime and Cost = Higher ROI
- Enclosed
 Brushless
 Thermal protection
- Stall protection Suitable for wet applications
- Dual/powered independent control for tight turns
- . Same motors for E & EE

REGEN & WET DISC BRAKES

■ Three Forms of Regen Brake

- Accelerator release. (Proportional to accelerator position)
- Change of direction. (Proportional to accelerator position)
- Service brake. (Foot Brake)

■ Wet Disc Brakes

- Enclosed and oil cooled for smooth, quiet operation.
- "Wet" brakes provide long life.
- · Less downtime.



80 VOLT 100% AC SYSTEM

■ High Performance

 Rivals IC truck performance in speed, acceleration and gradeability.

■ More Efficient System

 Higher Voltage = Lower Line Loss & Heating = Greater Efficiency

■ Better Suited to Fast/Rapid Charge

• Only requires one receptacle via single battery connector.

■ More Battery Capacity

• GEX 40/45/50 can accommodate a 71.8 Kwh battery.

Standard Equipment

- 80 Volt
- · Wet Disc Brakes
- Single Aux Valve
- · Tilt Steer Column
- · Regenerative Braking
- Solid Pneumatic Tires
- Hood Mounted Levers
- Vinyl Full Suspension Seat
- Hydrostatic Power Steering
- Independent Drive Motors
- OHG Mounted 12 Volt Head Lights
- · Programmable, Color Dash Display
- 100% AC (drive and pump control)

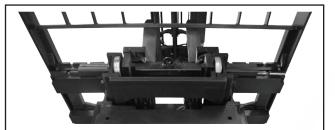
Optional Equipment

- Sideshifters
- EE Construction
- Armrest Controls
- Double Aux Valves
- 2, 3, & 4-Stage Uprights
- Cold Storage with Heaters
- Lights and Backup Alarms
- · Cloth Full Suspension Seat



EASILY SERVICED

 The rear control cover is hinged and supported by gas springs for easy service access from a standing position. On board diagnostics allow servicing mechanic to check fault codes without service tool.



RUGGED UPRIGHT AND CARRIAGE

- **■** Hydraulic Cushioning Valves
 - Silent Staging Reduces Shock & Vibration.

■ Anti-Rattle Upright

- Shims added to reduce rattle when forks are lowered.
- Nested I-channel point



STABLE PLATFORM

■ Low Center of Gravity

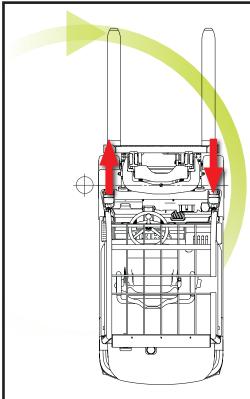
 CLARK moved back the steer axle, dropped the battery compartment, and moved all major components lower.

■ Curve Cutback

· Reduces truck travel speed in turns.

■ Wide Stance

· Provides excellent lateral stability.



POWERED INDEPENDENT DRIVE MOTORS

■ 2-Wheel Drive

 Provides added traction, especially on wet or uneven surfaces.

■ Will Not Scuff Tires

 Inside wheel power slows/stops in tight turns preventing scuffing of steer tires like conventional 4-wheel trucks.

■ Hall Effect Steer Sensor

• Relays steer tire position to controller.



INTERACTIVE LCD DASH DISPLAY

■ Fully Adjustable/Programmable

- The operator can select from 4 pre-set performance modes.
- Additional adjustments can be made to maximize performance in certain operations.

■ Alarm codes

• Indicates the current alarm code and stores previous alarm codes for quick access.

■ Password Protected

 Certain adjustments are password protected to allow only authorized operators to make adjustments.

GENERAL DATA & STANDARD DIMENSIONS

Unria	ht Tabl	e				
Maxir			l Height ed mm	Free I in	Lift mm	Standard Tilt Spec B°/F°
Standar	d Two Stag	ne — GEX4	N/45/5N			
98 106 118 130 138 146 157 177	2500 2700 3000 3300 3500 3700 4000 4500 5000	78 82 88 94 97 101 107 117 127 EX40/45/5 0	1975 2075 2225 2375 2475 2575 2725 2975 3225	5555555555	130 130 130 130 130 130 130 130 130	8/8 8/8 8/8 8/8 8/8 5/6 5/6 5/3
146 157 169 177 189 197 216 236 256 275	Stage — Gi 3700 4000 4300 4500 4800 5000 5500 6000 6500 7000	79 83 87 89 93 96 102 109 116	2002 2102 2202 2269 2369 2436 2603 2770 2937 3104	31 35 39 41 45 48 54 61 68 74	782 882 982 1049 1149 1216 1383 1550 1717 1884	5/6 5/6 5/6 5/6 5/6 5/3 5/3 3/3 3/3 3/3
Hi-Lo — 106 118 130	GEX40/45 2700 3000 3300	or 50 only 83 89 94	2099 2249 2399	35 41 46	879 1029 1179	8/8 8/8 8/8

• For Triple stage and Hi-lo uprights, freelift increases by 483 mm (19") without LBR.

Battery Compartment Dimensions

Width (W) in mm	Length (L) in mm	Height (H) in mm	Weight Ibs kg
GEX 40/45/50 — Sta 40.5 (1029)		30.8 (782)	4562 (2069)
GEX 40/45/50 — Opt 40.5 (1029)	i onal 33.6 (853)	30.8 (782)	3903 (1770)

See Tilt

Note: Optional battery will reduce truck capacity. Consult factory for details.

15

Grade Clearance*

GEX 40	34%
GEX 45	31%
GEX 50	31%

* 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 uprights thru 146 in. (3780 mm) and Hi-Lo thru 130 in. (3300 mm)	8 / 8
TSU thru 189 in. (4800 mm), Standard 157 in. (4000 mm) thru 177 in. (4500 mm)	5 / 6
TSU 197 in. (5000 mm) thru 216 in. (5500 mm) and 197 in. (5000 mm) Standard	5/3
TSU 236 in. (6000 mm) thru 275 in. (7000 mm)	3/3

^{*} 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, 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,

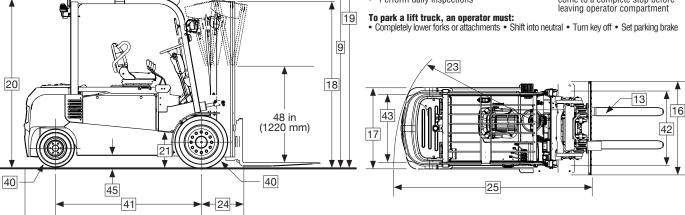
an operator must:
 Be trained and authorized

- 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



STANDARD SPECIFICATIONS

GEX40/45/50

	1	Manufacturer			Clark	Clark	Clark
=	2	Model	Manufacturer's Designation		GEX40	GEX45	GEX50
nati	3	Load Capacity	, and the second	lbs(kg)	8000/4000	9000/4500	10000/4990
forn	4	Load Center	Fork Face to Load CG	in(mm)	24 (500)	24 (500)	24 (500)
General Information	5	Power Unit	Electric		80 volt	80 volt	80 volt
ners	6	Operator Type			Rider Counterbalanced	Rider Counterbalanced	Rider Counterbalanced
Ge	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)	177 (4500)	177 (4500)	177 (4500)
	10		Lift Height (Preferred Upright)	in(mm)	177 (4500)	177 (4500)	177 (4500)
	11		Freelift w / wo LBR	in(mm)	41 (1049)	41 (1049)	41 (1049)
	12	Upright Tilt	Back/Forward (Triple Stage Upright)	degrees	5/6	5/6	5/6
	13	Fork	Std. Fork Size (T x W x L)	in(mm)	42X5X2 (1067X122X50)	42X6X2 (1067X150X50)	42X6X2 (1067X150X50)
	14	Carriage	Width of Carriage	in(mm)	52 (1324)	57 (1438)	57 (1438)
2	15	Overall Dimensions	Length to Fork Face (TSU)2	in(mm)	116.7 (2965)	116.7 (2965)	118.1 (3000)
sior	16		Width Over Tires	in(mm)	55 (1396)	58.7 (1490)	58.7 (1490)
nen	17						
Din	18		Height, Upright Lowered	in(mm)	89.3 (2269)	89.3 (2269)	89.3 (2269)
Basic Dimensions	19		Height, Upright Extended w/wo LBR	in(mm)	207.4 (5269)	207.4 (5269)	207.4 (5269)
ä	20		Height, Overhead Guard	in(mm)	90.9 (2310)	90.9 (2310)	90.9 (2310)
	21	Step Height	Ground to Top of Step	in(mm)	19.9 (506)	19.9 (506)	19.9 (506)
	22						
	23	Turning Radius		in(mm)	105.3 (2675)	105.3 (2675)	106.3 (2700)
	24	Load Center Distance	Center of Drive Axle to Fork Face ²	in(mm)	22.4 (569)	22.4 (569)	22.4 (569)
	25	Right Angle Stack Aisle	Add Load Length and Clearance ²	in(mm)	127.7 (3244)	127.7 (3244)	128.7 (3269)
	26						
	27	Stability	According to ANSI		Yes	Yes	Yes
æ	28	Speeds	Travel Speed, Max, With Load	mph(kph)	12.4 (20.0)	11.8 (19.0)	11.8 (19.0)
anc	29		Travel Speed, Max, Without Load	mph(kph)	13.0 (21.0)	12.4 (20.0)	12.4 (20.0)
Performance	30	Lift Speeds, Loaded	Triple Stage Upright	fpm(mps)	69 (0.35)	645 (0.33)	61 (0.31)
erfe	31	Lift Speeds, Unloaded	Triple Stage Upright	fpm(mps)	93 (0.47)	93 (0.47)	93 (0.47)
-	32	Lower Speeds, Loaded	Triple Stage Upright	fpm(mps)	104 (0.53)	104 (0.53)	104 (0.53)
	33	Lower Speeds, Unloaded	Triple Stage Upright	fpm(mps)	98 (0.50)	98 (0.50)	98 (0.50)
	34	Service Weight, TSU	W/Min Battery Weight	lbs(kg)	15477 (7019)	16535. (7499)	17439 (7909)
Its ⁵		Axle loading	With Load, Front	lbs(kg)	21598 (9795)	23692 (10745)	25247 (11450)
	36		With Load, Rear	lbs(kg)	2701 (1225)	2767 (1255)	3195 (1449)
	37		W/O Load, Front	lbs(kg)	8214 (3725)	8635 (3916)	8551 (3878)
	38		W/O Load, Rear	lbs(kg)	7265 (3295)	7901 (3583)	8888 (4031)
	39	Tires	Number, Front/Rear		2/2	2/2	2/2
	40		Size, Front	in	250-15	28x12.5-15	28x12.5-15
			Size, Rear	in(mm)	21x8-9	21x8-9	21x8-9
		Wheelbase		in(mm)	78.7 (2000)	78.7 (2000)	78.7 (2000)
Si.	42	Track	Front	in(mm)	45.3 (1150)	46.5 (1180)	46.5 (1180)
_	43		Rear	in(mm)	39.4 (1000)	39.4 (1000)	39.4 (1000)
		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)	6.0 (152)	6.0 (152)	6.0 (152)
		Service Brake	Type		Wet Disk	Wet Disk	Wet Disk
		Parking Brake	Type		Pedal Actuated	Pedal Actuated	Pedal Actuated
		Steering	Туре		Hydrostatic	Hydrostatic	Hydrostatic
	48	Battery	Type		Lead-Acid	Lead-Acid	Lead-Acid
			Max Capacity (6 hr. Rate)	kWh	71.8	71.8	71.8
ne			Weight, Min	lbs(kg)	4562 (2069)	4562 (2069)	4562 (2069)
Drive Line	49	Motors, Controls	Drive Motor, Diameter (Dual)	in(mm)	9.4 X 6.3 (240 x 160)	9.4 X 6.3 (240 x 160)	9.4 X 6.3 (240 x 160)
rive			Hydraulic Motor, Diameter	in(mm)	9.4 x 9.4 (240 x 240)	9.4 x 9.4 (240 x 240)	9.4 x 9.4 (240 x 240)
			Drive Motor Control		Mosfet	Mosfet	Mosfet
			Speed Control		Solid State	Solid State	Solid State
			THE PROPERTY OF THE		Manfat huartar	Mosfet Iverter	Mosfet Iverter
			Hydraulic Motor Control		Mosfet Iverter		
	$\overline{}$	Hydraulic Pressure Sound Level	Avg. at Operator's Ear Per DIN 12053	dB(A)	Adjustable 74	Adjustable 74	Adjustable 74

See upright table for other available uprights.

Dimensions are for TSU uprights, w/ standard forks. Subtract 34mm (1.3") for STD or Hi-Lo upright.

4 Ground clearance at center of wheelbase is 6.0" and 5.3" at drive tires.

5 All service weights are for units equipped with 130" STD upright.

Specifications are given with preferred triple stage upright and minimum battery weight.

- We don't just build forklifts. As a company, we are also focused on providing our customers with the best possible technical service support and aftermarket parts available.
- Even though our business starts with a quality, costeffective product, our organization understands that it is the support and services we provide after the sale that help keep your business running at peak efficiency.
- THE CLARK PartsPRO® SYSTEM is our industry-leading electronic parts and service documentation tool that provides dealers with a quick and accurate method of identifying parts for every CLARK forklift built since 1961. PartsPRO® ensures the availability of the most current technical information and has the unique capability to create parts manuals specific to your mixed CLARK fleet, making it simple to positively identify and order the correct part(s) from your local CLARK dealer. The right CLARK part —
- UNRIVALED PARTS SUPPORT Our Aftermarket Distribution Center provides parts to over 250 North American CLARK dealers and many international dealers. This CLARK operated 184,000 square foot facility is dedicated to supporting the CLARK models built over the last 90 years. This facility is focused on providing excellent off-the-shelf availability, quality parts, quick response time and competitive pricing.

DEPENDABLE PARTS = DEPENDABLE TRUCKS

To Find Your Nearest Authorized CLARK Dealer, Visit Our Website www.clarkmhc.com



BUILT TO LAST.

