

# GX NEO ELECTRIC FORKLIFTS





## A brand new series of electric forklifts

Godrej has always led advances in lift truck technology in India. In the field of electric battery operated counterbalance forklifts, we have pushed the frontier continually with several introductions like SepEx technology, high performance hydraulics, AC technology and twin traction motors in an effort to keep technology contemporary, relevant and affordable.

Our innovations have helped customers to reduce the total cost of ownership of their forklifts by increasing the throughput of material handling activities and reducing operating costs.

Born from a synthesis of our years of experience in the business and unique customer insights is the GX NEO series of 1.5 to 3 tonne 4-wheel electric counterbalance forklifts.

## So what's new in the GX NEO?

### Higher productivity

Nearly 40% faster lifting and 5% higher travel speed to get your work done quickly



Tighter turning radius makes it easier to maneuver in tight spaces, allows you to reduce aisle width by 100 to 115 mm



20% greater lifting capacity at higher fork heights



### And you get all that by spending less on energy



Brand new, high efficiency power train to minimize friction losses



Electronically controlled hydraulics to conserve energy, smoothen lift and tilt movements



10 to 12% more working time on each battery charge



## Cohesive design

The Godrej GX NEO is a white sheet project and incorporates an advanced design that brings you several benefits:

- New generation, compact power train, boosts performance and improves service access
- Low mounted traction battery greatly enhances stability, improves derated lifting capacities at higher fork heights
- All systems and assemblies integrated into a new, well designed product

## Operator comfort

- Low step height, generous entry / exit paths and higher overhead guard clearance makes it quick, easy and safe to get on and off the forklift
- All operational controls are placed within easy reach, minimizing arm and leg movements for the operator
- Low profile dashboard and a new, slim steering column offer great forward and downward visibility
- Specially designed overhead guard grille affords excellent upward visibility of the raised load





LCD Interactive Display



Control Panel

## AC technology for superior performance with greater energy efficiency

- AC traction offers excellent, ultra smooth control over forklift travel. Boosts operator control and confidence in handling the forklift
- Electronically controlled AC motor for hydraulic functions provides benefits of superior control and energy efficiency to lifting, tilting and steering operations
- Microprocessor based MOSFET programmable controllers optimize the performance and energy efficiency of the traction and pump motors
- On-board fault diagnostics make it easy to detect any electronic issues, getting the truck quickly back into operation
- AC motors are brushless and virtually maintenance free
- The high starting torque of AC motors reduces the demand on the mechanical gearbox, resulting in lower friction losses. More energy is thus available for productive work
- User friendly, easy-to-read LCD machine display on the dashboard continuously updates the operator with relevant and important information to ensure the highest level of safety of the operation
- Soon as the operator takes his foot off the accelerator, regenerative braking kicks in, converting the forklift's motion back into electrical energy that feeds the battery. This slows down the forklift smoothly and also reduces the need to use mechanical brakes, prolonging brake shoe life

*Godrej GX NEO forklifts are also available with DC traction and hydraulics*





Dashboard



Power Train Assembly

## Performance

- AC powered forklifts are hard to beat in performance, with their smooth, powerful acceleration and quick, regenerative braking. In experienced hands the GX NEO can move more loads per hour than most comparable machines
- Top travel speed of up to 12 kmph
- Maximum gradeability of 15%
- The shorter turning radius enables the forklift to easily maneuver within tight, confined spaces. Fewer reversals to negotiate a working area result in higher throughput
- 10 to 12% longer working time on every battery charge
- 3 performance profiles for the operator to select from: Economic, Standard and High. Forklift performance characteristics can be adjusted to match different applications and operator skills



Ease of accessibility and maintenance



Easy removal of battery

## Safety and Service Access

- Operator Presence Sensing (OPS) system ensures that all truck movements stop immediately when the operator leaves his seat. No accidental operation is possible until the operator is correctly seated.
- Increased front / back tilt angles of 5° / 10° greatly enhance safety while the load is lifted high or has to be rapidly transported along the ground
- Spherical bearings in the steering knuckles have a higher tolerance to rough working surfaces and demanding work cycles
- Layout of all main aggregates and routing of wiring and hydraulic hoses has been designed specifically to ensure excellent service access
- The new drive train arrangement provides unobstructed access to the main aggregates
- Excellent access to the hydraulic tank and the pump-motor
- A single piece, hinged battery cover assisted by a gas spring affords full access to the battery for maintenance and removal
- A safe recess in the counterweight and a strong metal cover protect the electronic control panel while offering easy access

**Godrej GX NEO – the most user friendly forklift you will find.  
More productive, safer and economical than ever before.**

# Technical Specification

CHARACTERISTICS	1.1	Manufacturer		Godrej	Godrej	Godrej	Godrej	Godrej	Godrej	Godrej	Godrej
	1.2	Model		GX 150E AC	GX 150E DC	GX 200E AC	GX 200E DC	GX 250E AC	GX 250E DC	GX 300E AC	GX 300E DC
	1.3	Power Unit (Battery, Diesel, LPG/Petrol)		Battery		Battery		Battery		Battery	
	1.4	Operation(Manual, Pedestrian,Stand-on,Seated)		Seated		Seated		Seated		Seated	
	1.5	Load capacity		1500		2000		2500		3000	
	1.6	Load centre	c (mm)	500		500		500		500	
	1.7	Load distance (Front overhang)	x (mm)	495		495		495		495	
	1.8	Wheelbase	y (mm)	1553		1553		1584		1584	
WEIGHTS	2.1	Service weight incl. battery	kg	4060	4060	4160	4160	4535	4535	4635	4635
WHEELS & CHASSIS	3.1	Tyres (S-solid, P-pneumatic)		Solid		Solid		Solid		Solid	
	3.2	Tyre size, front wheel	mm	21"x15"X7"		21"x15"X7"		21"x15"X7"		21"x15"X7"	
	3.3	Tyre size, front wheel	mm	18"x8"X7"		18"x8"X7"		18"x8"X7"		18"x8"X7"	
	3.4	Wheels, number front / rear (x = driven)		2x/2		2x/2		2x/2		2x/2	
	3.5	Wheel tread - Front	b10 (mm)	980		980		980		980	
	3.6	Wheel tread - Rear	b11 (mm)	987		987		987		987	
DIMENSIONS	4.1	Fork dimensions (ThicknessxWidthxLength)	(mm)	45x100x1000		45x100x1000		45x100x1000		45x100x1000	
	4.2	Overall length with forks	l1 (mm)	3410		3410		3485		3485	
	4.3	Fork length	l2 (mm)	1000		1000		1000		1000	
	4.4	Overall width	b1 (mm)	1200		1200		1200		1200	
	4.5	Overhead guard height	h6 (mm)	2150		2150		2150		2150	
	4.6	Driver seat hight	h7 (mm)	1100		1100		1100		1100	
	4.7	Ground clearance at center of wheelbase	m2 (mm)	125		125		125		125	
	4.8	Ground clearance under mast, laden	m1 (mm)	100		100		100		100	
	4.9	Turning radius	Wa (mm)	2135		2135		2250		2250	
	4.10	Right angle aisle width	Ast (mm)	3830		3830		3945		3945	
	4.11	Interesting aisle width	Ast (mm)	2140		2140		2211		2211	
	4.12	Fork spread	Min./Max (mm)	280/1000		280/1000		280/1000		280/1000	
PERFORMANCE	5.1	Travel sped, laden/unladen	km/h	12	10	12	10	11.5	10	11.5	10
	5.2	Lift speed, laden/ unladen	m/s	0.25	0.2	0.25	0.2	0.25	0.2	0.25	0.2
	5.3	Lowering speed, laden/unladen	m/s	0.45		0.45		0.35/0.30		0.35/0.30	
	5.4	Max. drawbar pull	kg	1000		1000		1100		1100	
	5.5	Max. gradeability, laden/unladen	%	15		15		15		15	
DRIVE	6.1	Drive motor (AC or DC)		AC	DC	AC	DC	AC	DC	AC	DC
	6.2	Drive motor, 60 min rating	kW	8	8.5	8	8.5	12	11	12	11
	6.3	Lift motor, 15 min rating	kW	15	6.7	15	6.7	15	6.7	15	6.7
	6.4	Battery voltage / rated capacity (5hrs)	V/Ah	48/470		48/470		72/323	48/550	72/323	48/550
	6.5	Battery weight	kg	897		897		867	911	867	911

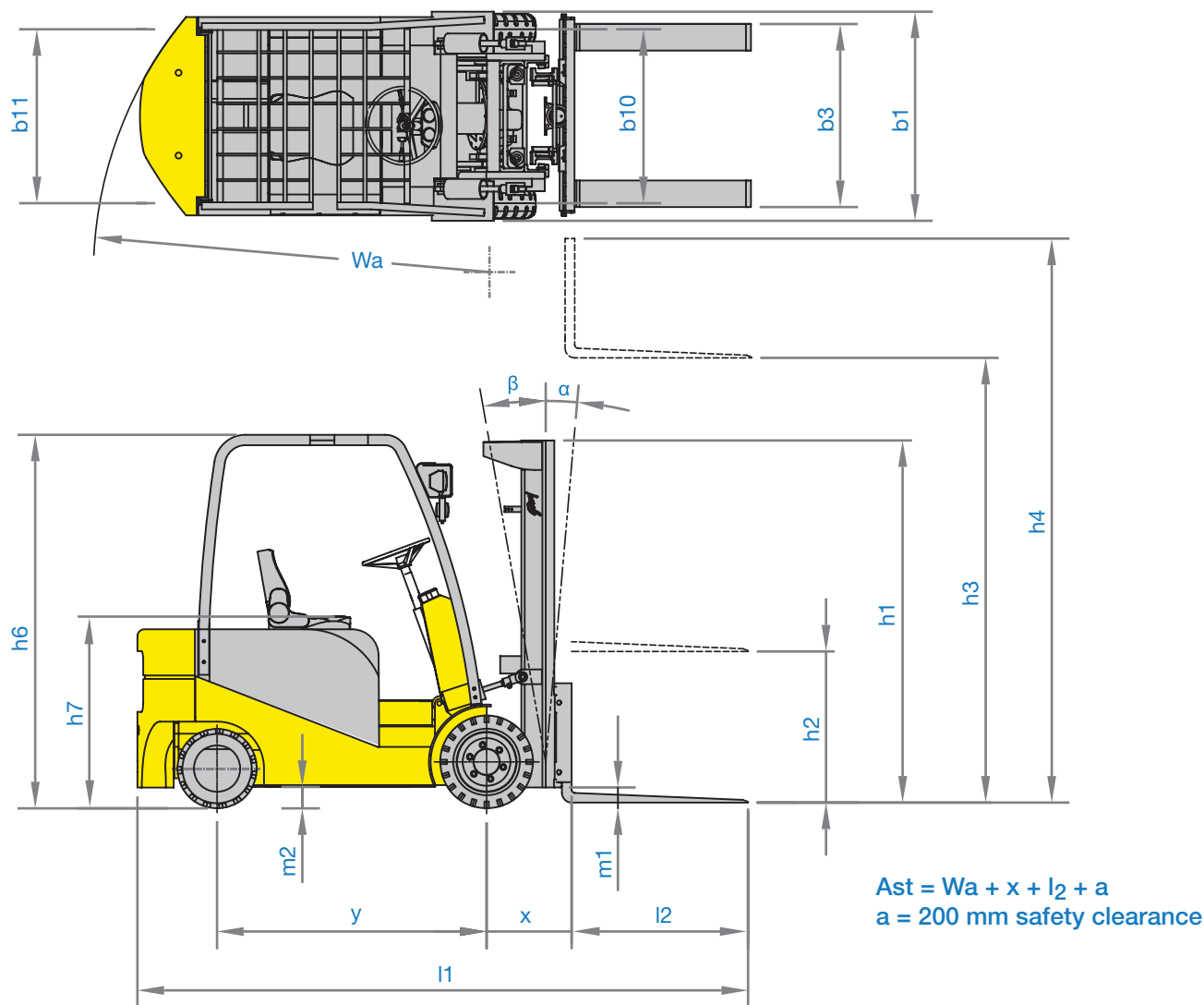
## Clear View Mast Dimension Table

Type of Mast	Max. Fork Height	Overall Ht. Lowered	Overall Ht. Raised *		Free Lift	Derated Capacity at MFH (kg)				Tilt Angle	
			GX150, GX200	GX250, GX300		GX150	GX200	GX250	GX300	α	β
2 stage	3000	2300	3600	3750	105	1500	2000	2500	3000	5°	10°
	3300	2420	3900	4050	105	1500	2000	2500	3000	5°	10°
	3660	2630	4260	4410	105	1500	2000	2500	3000	5°	10°
	4600	3100	5200	5350	105	1300	1900	2300	2800	5°	10°
	5500	3550	6100	6250	105	1150	1700	1900	2400	5°	5°
2 stage with FFL	3000	2170	3600	3600	1530	1500	2000	2500	3000	5°	10°
	3660	2600	4260	4260	1980	1500	2000	2500	3000	5°	10°
3 stage with FFL	4500	2170	5100	5100	1530	1300	1900	2300	2800	5°	10°
	4800	2270	5400	5400	1650	1250	1800	2150	2650	5°	10°
	5500	2500	6100	6100	1825	1150	1700	1900	2400	5°	5°

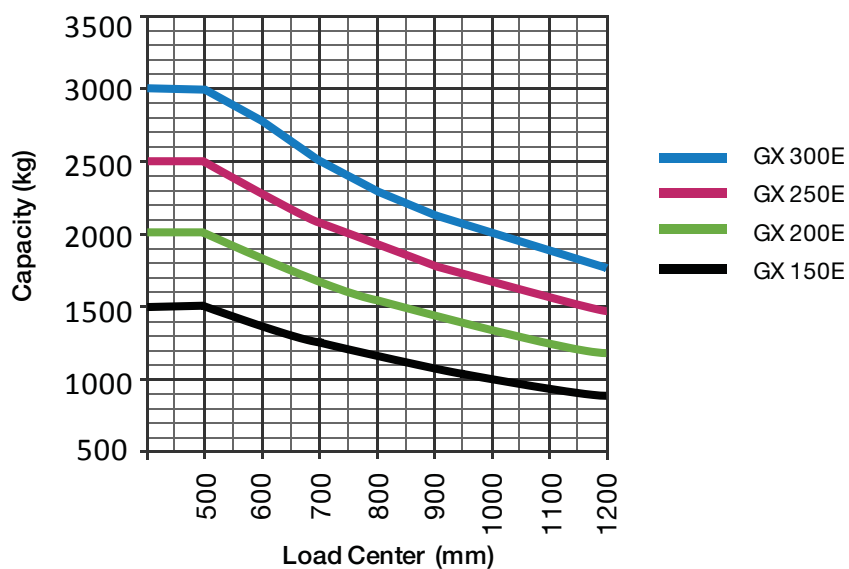
FFL = Full Free Lift | \*Overall Height Raised with Load back Rest = MFH + 1200mm

**Note :** All dimensions and specifications indicated above are subjected to a variation of ±15% | All Dimentions in mm

# Dimensions



## Capacity Chart



**Colour:** Godrej Traffic Yellow and Black

**Note:** Capacities shown above are computed with mast in vertical position on level ground

## Common Options

- Head and tail lights
- Load back rest
- Fork extensions
- Rotators
- Lateral clamps
- Paper roll clamps
- Side shifts
- Fork positioners
- ... and many more





3-Wheel Electric Forklifts  
0.8 and 1.2 tonne



Electric Forklifts  
1 to 4 tonne



LPG Forklifts  
1.5 and 2 tonne



Diesel Forklifts  
1.5 to 4 tonne



Diesel Forklifts  
5 to 10 tonne



Diesel Forklifts  
12 to 25 tonne



Hand Pallet Trucks  
2.5 tonne



Powered Pallet Trucks  
1 and 2 tonne



Electric Stackers  
1 and 1.5 tonne



Tow Trucks  
2 to 6 tonne



Reach Trucks  
1 and 1.2 tonne



Articulated Forklifts  
1.3 to 2 tonne



**DISTRIBUTION:** Our network of 17 company owned branches brings us closer to customers across India. This also gives us the edge to distribute equipment from global giants including Crown, Merlo, Tennant and Hubtex in India.

**GLOBAL FOOTPRINTS:** Our quest for the world market has spurred us to establish an overseas branch and service center in Sharjah, UAE, besides a wide network of dealers all over the Middle East, Africa and South Asia. This is only the beginning of our quest for a globally significant presence.

*Godrej* | MATERIAL HANDLING

GODREJ & BOYCE MFG. CO. LTD.

Plant 16, Pirojshanagar,  
Vikhroli, Mumbai – 400079. INDIA .

Tel: +91 22 6796 4660 / 73

Fax: +91 22 6796 1519

Email: [mhemktg@godrej.com](mailto:mhemktg@godrej.com)

Toll Free Helpline: 1-800-22-5454

Represented by: