

GODREJ ELECTRIC 3 WHEEL FORKLIFT

Introducing the 3-Wheel GX Series Forklift Trucks with **Twin Traction Motors**.

Turning Radius

With a uniquely designed steer axle combined with the electronic differential, the 3-Wheel GX Series is able to deliver a turning radius of 1575mm* which helps it easily maneuver between machines, pallets and racks

Wet Disc Brake

Wet Disc Brakes provides better braking power and longer replacement cycles thus reducing maintenance costs.

4-Speed Programmable Control

This feature enables the operator to choose from 4 travel speed modes and also allows the customer to limit the speed of forklift for special applications.

Fault Diagnostics

On-board fault diagnostics feature displays easy-to-understand error message on display screen for swift fault detection at equipment location. This accounts for faster fault rectification and higher availability of the forklift.

Anti Rollback

With this feature the operator can control the rollback of the Forklift in the absence of brake/acceleration pedal application when travelling on a gradient.

Curve Speed Control

There is possibility of forklifts to topple when taking a turn at high speed leading to damage of man, machine and plant The Curve Speed Control prevents such an incident by reducing the travel speed when the forklift is travelling around a corner



* For 1.8 ton, 1680mm for 2 ton

Weight Adjustment Seat

The weight adjustment system allows the operator to adjust the suspension of the seat suiting his weight. The operator seat is also equipped with OPS system for safer operations.



Battery Compartment Roller (Optional)

Godrej Electric Forklift is provided with Battery Compartment Roller which allows the battery to roll and move for easy lateral battery extraction.

Standard Features

- Fully ACpowered drive and hydraulics
- Hydrostatic Power Steering
- Solid Tyres
- Battery – 48V 400Ah
- Adjustable Steering Column
- Safety Hose-Burst Valve
- Hand Operated Parking Brake
- Foot Operated Hydraulic Service Brake
- Reverse Hooter, Electric Horn
- Flashing Lights, Rear View Mirror
- Load Back-Rest

Optional Features

- Battery Compartment Roller
- Side Shifter
- Non Marking Tires
- Battery –
 - 48V 525 Ah – GX 160E 3W
 - 48V 525 Ah – GX 180E 3W
 - 48V 600 Ah – GX 200E 3W

MAST DIMENSION TABLE

Type of Mast	Max. Fork Height (mm)	Overa ll Ht. Lowered	Overa ll Ht. Raised	Free Lift	Derated Capacity (kg) at MFH			Tilt Angl e	
					GX 160E3W	GX 180E3W	GX 200E3W	α	β
2 Stage CV with FFL	3600	2323	4081	1842	1600	1800	2000	6	6.5
3 Stage CV with FFL	4500	2043	4981	1562	1350	1350	1500	3	5
3 Stage CV with FFL	6000	2593	6481	2112	900	900	1100	3	5

α – Forward Tilt, β - Backward Tilt

Note : All dimensions and specifications indicated above are subjected to a variation of ± 15%

*All dimensions in mm

TECHNICAL SPECIFICATION

General Information	Model			GX 160E 3W	GX 180E 3W	GX 200E 3W
	Drive			ELECTRIC	ELECTRIC	ELECTRIC
	Load Capacity	Q	t	1.6	1.8	2
	Load Centre	c	mm	500	500	500
	(Load Distance) Front Overhang	x	mm	397.5	397.5	397.5
	Wheel Base	y	mm	1358	1358	1468
	Operator type			Seated	Seated	Seated
	Weights	Service Weight (including battery)		kg	3060	3160
Axle Load with load Front/Rear			kg	4640/320	4640/320	5050/380
Axle Load without load Front/Rear			kg	1620/1540	1620/1540	1750/1680
Dimensions	Tyre Type			solid rubber	solid rubber	solid rubber
	Front- Solid cushion (Id x Width)			18X7-8	18X7-8	200X50-10
	Rear- Solid cushion (Id x Width)			15X4.5-8	15X4.5-8	15X4.5-8
	Wheels Front/Rear (Single Drive)			2/2.	2/2.	2/2.
	Tread, Driving wheels	b_{10}	mm	902	902	902
	Tread, Steering wheels	b_{11}	mm	175	175	175
	Tilt of mast FWD/BWD	α/β	mm	6/6.5	6/6.5	6/6.5
	Overhead guard height	h_6	mm	2060	2060	2060
	Overall Length	l_1	mm	2865	2865	2975
	Overall Width	b_1, b_2	mm	1090	1090	1150
	Fork Dimensions (T x W x L) mm	s/e/l	mm	40 x 100 x 1070	40 x 100 x 1070	40 x 100 x 1070
	Fork carriage width	b_3	mm	1040	1040	1040
	Ground clearance under mast	m_1	mm	108	108	108
	Ground clearance at centre of wheelbase	m_2	mm	78	78	78
	Right angle aisle width	Ast	mm	3295	3295	3400
	Intersecting Aisle width		mm	1300	1300	1400
	Turning Radius	Wa	mm	1575	1575	1680
Performance Data	Travel Speed with/Without Load		km/h	13/14	13/14	13/14
	Lift Speed with/without Load		m/s	0.27/0.43	0.27/0.43	0.26/0.43
	Lowering speed with/without Load		m/s	0.44/0.435	0.44/0.435	0.44/0.435
	Max Drawbar pull (laden/Unladen)		N	-	-	-
	Gradeability with/ without load		%	10.5/14.5%	10.5/14.5%	10.5/14.5%
	Service Brake			Wet Disc Brake	Wet Disc Brake	Wet Disc Brake
	Parking brake			Mechanical/ Hydraulic	Mechanical/ Hydraulic	Mechanical/ Hydraulic
Engine	Type of Drive Unit			AC	AC	AC
	Drive motor rating S2 60 min		Kw	4.8x2	4.8x2	4.8x2
	Lift motor rating at S3 15%		Kw	11	11	11
	Battery Voltage/nominal capacity		V/Ah	48/400	48/400	48/400