

Godrej



Li-ion Forklift

2 tonne and 3 tonne

Li-ion technology: Powering the future of material handling

Faster charging, longer run times and lower energy consumption make operations more efficient, sustainable and reliable.



Advantages over Lead Acid Batteries

Battery warranty of 5 years or 10,000 hours	25% Lower energy consumption
13% Higher run times	60% Lower charging time
18 % Lower cost of ownership	IP67 Water resistance

Indigenous battery and BMS technology



Indigenous battery management system (BMS):



Manages current and temperature during charging and use, ensuring smooth operations.



Collects and tracks battery data for better performance insights.



Stores all information on centralized, secure servers located in India.

5 year warranty with faster service response

Functions of battery management system

- Monitors state of charge
- Battery health
- Cell balancing
- Asset tracking
- Tracking charging cycles
- Thermal management

Performance that works as hard as you do

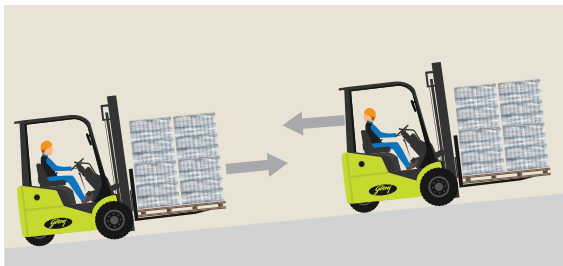
Reach higher. Move quicker.

Operate confidently in tough conditions

Metallic dash panel and side panels make the equipment robust. Improved cooling system ensures high performance even in demanding applications.

Lift loads at rated capacity up to **4500 mm lift height**

30% faster in traction and hydraulics leads to more pallets moved per hour



Gradeability of 18% (2T) and 15% (3T)

Powerful traction motors provide maximum gradeability of 18% (2T) and 15% (3T)



Cast steer axle with smaller turning radius

With small turning radius, forklift can operate in smaller aisles enabling customers to save space; allowing for higher number of pallet positions.



Superior reliability

Indigenously developed AC motors are designed with Indian conditions in mind. Zero maintenance, easy serviceability and quick after-sales support make Li-ion an ideal high-performing equipment.

Safety you can rely on



No operator, no operation

The Operator Presence Sensing (OPS) detects if the driver is seated correctly before allowing operations to begin, preventing any unmanned operations.



No run-aways

Anti-rollback system buys operator time to accelerate from rest on a slope, without the concern of forklift rolling backward.



Seat belt interlock system

Forklift does not start till the seat belt is fastened, ensuring higher operator safety.



Accessible emergency stop button

In case of any danger, the operator can push the emergency stop button to cut off the power supply, immediately bringing the equipment to a halt.

More control

Smart curve control technology reduces speed by up to 30% while turning for enhanced stability and operator control.

Operator comfort,
engineered into
every detail



Optimal visibility

A clear-view mast, low cowl height, and open overhead guard give operators superior visibility – enabling safer, more confident, and precise forklift operations.

- Lift loads confidently with improved visibility at all heights through redesigned mast with and overhead guard.
- New sleek mast increases forward visibility by 11%.
- Low cowl height and clean front dashboard give a clearer view of the fork tips.

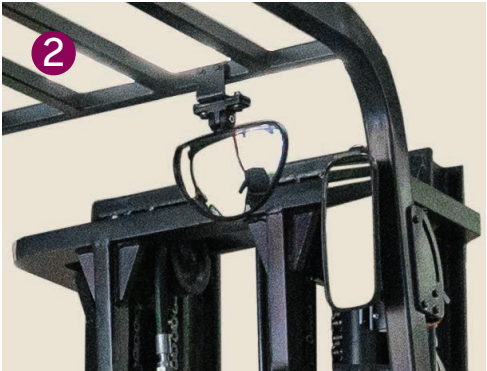
Easy manoeuvrability

A small turning radius makes the forklift compact and ideal for navigating narrow aisles with ease.



Suspension seat

An in-built suspension system absorbs vibrations to significantly improve operator comfort, with adjustable sensitivity tailored to the operator's body weight.



Panoramic mirror

Panoramic mirror provides operators with a wide field of vision at a single glance. Turning and reversing safer and easier than ever before.



Large solid tyres

Large 23" solid cushioned tyres for intra-plant material movement.



Ergonomically designed cabin

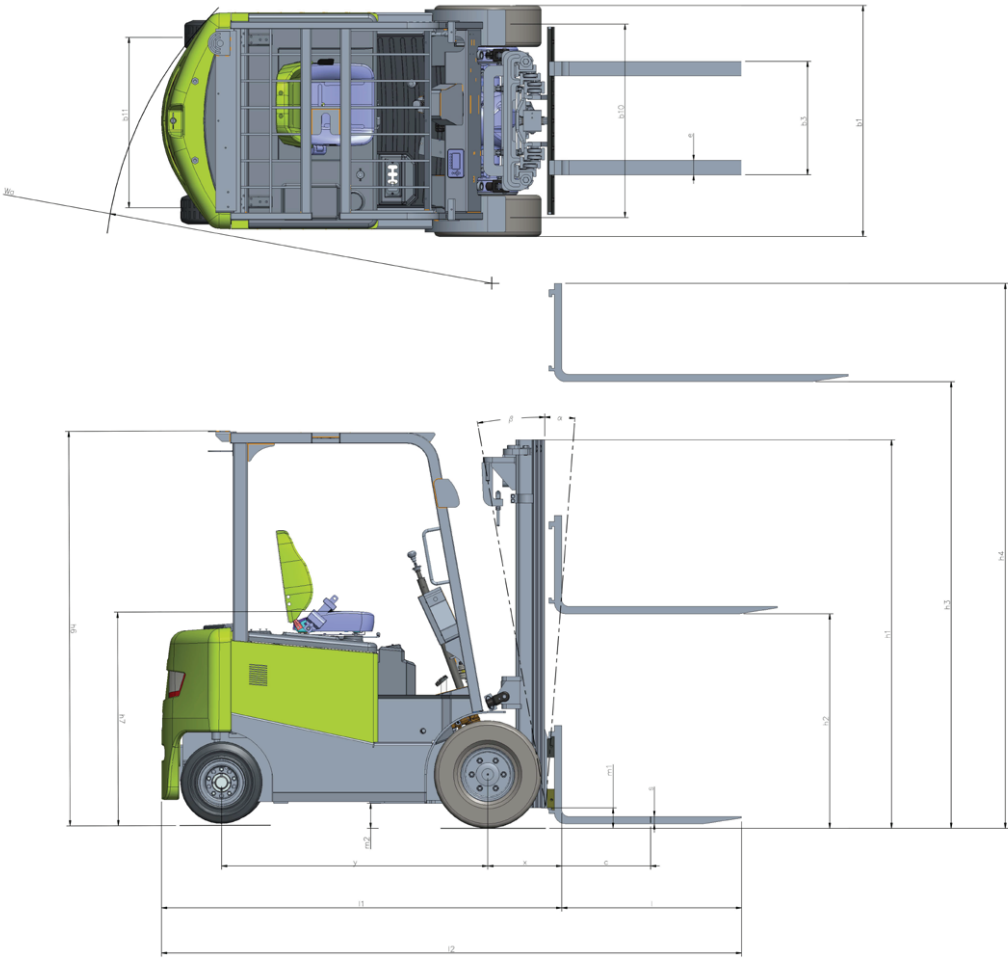
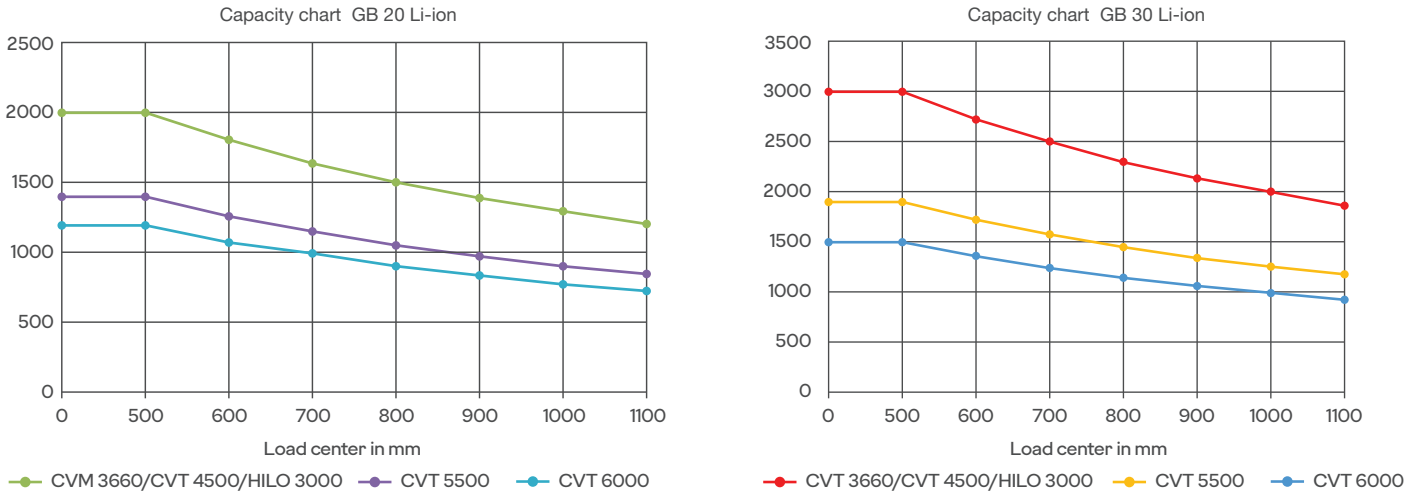
Well-placed controls facilitates intuitive operation and allow operators to stay focused on efficient load handling.

Technical specifications

Title	Sr. No.	Name of parameter			
Characteristics	1.1	Manufacturer	-	GODREJ	GODREJ
	1.2	Model	-	GB 20 Li-ion	GB 30 Li-ion
	1.3	Power Unit (Battery, Diesel, LPG/Petrol)	-	Battery	Battery
	1.4	Operation (Manual, Pedestrian, Stand-on, Seated)	-	Seated	Seated
	1.5	Load Capacity	kg	2000	3000
	1.6	Load centre	c (mm)	500	500
	1.7	Load distance (Front overhang)	x (mm)	420	485
	1.8	Wheelbase	y (mm)	1480	1670
Weights	2.1	Service Weight incl. Battery	kg	3635	4500
	2.2	Axial Loading, Laden Front/Rear	kg	4885/745	6710/790
	2.3	Axial Loading, Unladen Front/Rear	kg	1735/1900	1970/2530
Tyres, Chassis	3.1	Tyres (S-solid, P-pneumatic,Superelastic,Polyurethane)	-	SE / PN	SE / PN
	3.2	Tyre size, front wheel (OD x width)	-	23x9-10	23x9-10
	3.3	Tyre size, rear wheel (OD x width)	-	18x7-8	18x7-8
	3.4	Wheels, number front / rear (x = driven)	-	2x/2	2x/2
	3.5	Wheel tread - Front	b10 (mm)	1020	1020
	3.6	Wheel tread - Rear	b11 (mm)	987	987
Dimensions	4.1	Mast/Fork Carriage Tilt Forward/Backward	α / β (deg)	5/8	5/8
	4.2	Lowered Mast Height	h1 (mm)	2600	2600
	4.3	Free Lift	h2 (mm)	105	105
	4.4	Lift Height	h3 (mm)	3660	3660
	4.5	Extended Mast Height	h4 (mm)	4260	4260
	4.6	Overhead Load Guard (cab) Height	h6 (mm)	2160	2160
	4.7	Seat Height / Standing Height	h7 (mm)	1120	1120
	4.8	Coupling Height	mm	320	520
	4.9	Overall length	l1 (mm)	3250	3530
	4.10	Length to Face of Forks	l2 (mm)	2250	2530
	4.11	Overall Width	b1 (mm)	1240	1240
	4.12	Fork dimensions (Thickness x Width x Length)	s/e/l (mm)	40x80x1000	45x100x1000
	4.13	Fork Carriage ISO 2328, Class/Type A,B	-	2A	3A
	4.15	Ground clearance laden, under mast	m1 (mm)	100	100
	4.16	Ground clearance at center of wheelbase	m2 (mm)	125	125
	4.17	Right angle aisle width (1000x1200 pallet)	Ast (mm)	3650	3900
	4.19	Intersecting aisle width (1000x1200 pallet)	Ast (mm)	1980	2200
	4.20	Turning radius	Wa (mm)	1980	2220
	4.22	Fork spread (Min / Max)	b3 (mm)	280/1000	280/1000
Performance	5.1	Travel speed, laden/unladen	km/h	13/13	13/13
	5.2	Lift speed, laden/unladen	m/s	0.3/ 0.4	0.3/ 0.4
	5.3	Lowering speed, laden/unladen	m/s	0.45	0.45
	5.4	Drawbar pull, laden/unladen S2 60 min	N	1000	1000
	5.5	Max. Gradient Performance, laden/unladen S2 5min	%	18/20	15/18
Power unit	6.1	Drive Motor, 60 min rating	kW	8	12
	6.2	Lift motor, 15 min rating	kW	15	15
	6.3	Battery Voltage / rated capacity (5hrs)	V/Ah	51V/460	80/304
	6.4	Battery Weight	kg	210	300
Other	6.2	Drive Motor (AC or DC)	-	AC	AC
	7.2	Service Brake	-	Hydraulic	Hydraulic
	7.3	Parking Brake	-	Mechanical	Mechanical

Mast Specifications									
Type of Mast	Maximum Fork Height (MFH)	Overall Height Lowered	Overall Height Raised*		Free Lift (2.5-3)	Derated Capacity at MFH (kg)		Tilt Angle	
	h3 (mm)	h1 (mm)	h4 (mm)		h2 (mm)			α	β
			GB 20 Li-ion	GB 30 Li-ion		GB 20 Li-ion	GB 30 Li-ion		
2 Stage CV	3660	2630	4250	4400	105	2000	3000	5°	8°
2 stage CV with FFL	3000	2170	3580	3625	1530	2000	3000	5°	8°
	4500	2170	5160	5170	1530	2000	3000	5°	5°
3 stage CV with FFL	5500	2500	6160	6110	1825	1400	1900	5°	5°
	6000	2670	6660	6630	1990	1200	1500	5°	5°
	7200	3070	NA	7825	2390	NA	1200	5°	5°

* Overall Height Raised with Load Back Rest = OAHR w/o LBR + 600mm



Accessories

Standard offerings

- AC Drive Motor, Pump Motor
- Electronic Controller with built-in Diagnostics
- Tilttable steering column with Hydrostatic power steering
- Head & Tail Lights
- Infinitely Variable Speed
- Interactive LCD display
- Load Back Rest
- One pair of standard Hook-on 1000mm Long Forks
- Powerful Hydraulic Brakes with Regenerative Braking
- Rear View Mirror
- Seat Belt
- Reverse Alarm
- Signal Lights
- Spot light
- Tool Kit
- Towing Pin
- Operator Presence Sensing
- Seatbelt Interlock
- Li-ion battery
- Battery Management System
- Suspension seat
- Panoramic Mirror
- Flashing beacon

Safety accessories

All-in-one access control system

- Electronic PIN access
- Biometric access control
- Key card access



All-in-one access control

Safety lights

- Red halo safety lights
- Blue safety lights



safety light

Mounted cameras

- Fixed front camera
- Fixed rear camera



AI camera with pedestrian detection system

SafeLog

Vehicle Monitoring System

Attachments

- Bale clamp
- Fork extensions
- Fork positioner
- Paper roll clamp
- Parrot beak attachment
- Push/pull attachment
- Ram attachment
- Rotating fork attachment
- Sideshifter

Fast, reliable, efficient service – every time

Find us anywhere and everywhere

Our 100+ touch points for easy availability of quality spares and technical intervention.

- Dealer locations
- Branch and Dealer locations

Wide service network

No matter where you are using the Li-ion Forklift our service network assures you the quickest possible resolution.

Easy maintenance

Easy access to sub-assemblies and main aggregates for better serviceability.



Various finance options available

- Equipment finance
- Lease finance



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