



Our Range

3-wheel Electric Forklifts 0.8 to 1.6 tonne	Electric Forklifts 1 to 5 tonne	Diesel Forklifts 1.5 to 4 tonne	Diesel Forklifts 5 to 10 tonne	Diesel Forklifts 12 to 25 tonne	Dock Leveler 9 and 12 tonne
Hand Pallet Truck 2.5 tonne	Powered Pallet Truck 1.5 and 2 tonne	Electric Stacker 1.2 and 1.5 tonne	Reach Truck 1 to 2 tonne	Articulated Forklifts 1.2 to 2 tonne	Tow Truck 2, 5 and 6 tonne (Stand up & sit down model)
CROWN Warehousing Equipment	KOMATSU Forklifts	TENNANT Industrial Cleaning Equipment	HUBTEX Side Loaders	MERLO	IMER

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, Komatsu, Merlo, Tennant, Hubtex and Imer in India.

VISCOMM/12/2017/REV/01

Electric Counterbalance Stackers



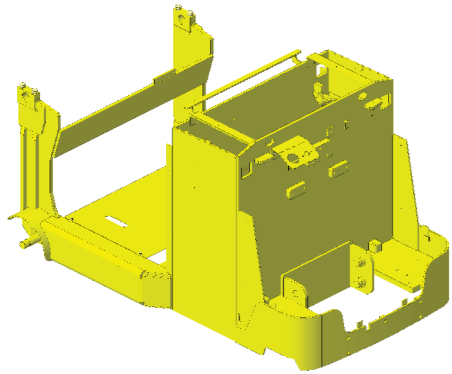


7 reasons

why Godrej Electric Counterbalance Stacker is the right choice to improve productivity and safety of your material handling operations

1 Heavy Duty Chassis Construction

- 8 mm thick carbon steel chassis protects the drive train, hydraulic pack and controller from any damage during operations



2 Fully-integrated AC Traction System **acts**

- The AC control system and ruggedness of the drive train provides smooth direction changes and allows you to change direction instantaneously
- ACTS also enables the operator to precisely and accurately position the machine to pick and place pallets
- Motor torque control provides braking force, dramatically reducing the need for electromagnetic brake operation. This minimises brake pad wear saving maintenance time and cost.

3 Programmable Performance Equipment

- Programmable Microprocessor based MOSFET controller enables the equipment to be set to work at the required speeds as well as set required braking distances
- Controller provides the appropriate torque to speed ratio to meet the demands of the application based on constant feedback from the encoder
- The controller increases the life of the motor and enables the battery to last longer by up to 5%
- Superior control of motor characteristics enhances the life of the motor, besides enabling upto 5% additional operating hours in each charge cycle

4 Full Function Control Handle

- Thanks to the full function control handle, the operator can manage all functions (Forward/Reverse/Braking/Lifting/Lowering) with one hand
- Full function handle eliminates all distraction, allows operator to focus solely on the handling task
- The machine can be handled with either left or right hand due to symmetrical design of the handle



Operator never has to leave the handle during application making operations stable and safe

5 Superior Mast Design affords better Visibility and Industry Leading Lifting Capacity

- 1 section with interlocking construction ensures sufficient rigidity & stability to lift loads up to 4.5 meters height
- This also enables industry leading 850 kg lifting capacity available at 4.5 metre with GECBS1545 model



6 Energy Efficient and Precise Fork Control through Electronically Controlled Hydraulics

- Proportional control valve enables operator to align the forks smoothly and accurately with the pallet
- Jerk-free lifting and lowering ensures safety and stability of handling
- Electronic control generates only the power required to lift a particular load, saving energy, allowing the battery to run longer on every charge

7 Safety with Improved Productivity

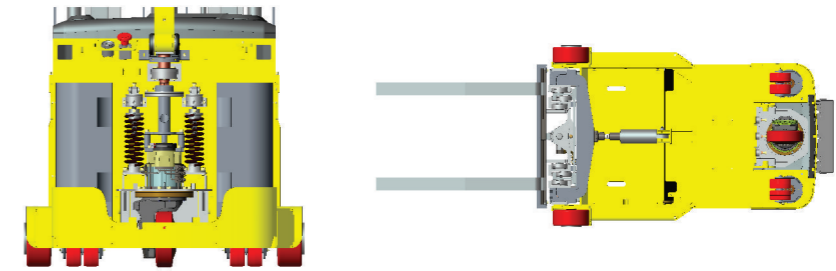
- Attachments like load back rest improves safety while handling loosely stacked pallets
- Other safety features are stated in page 3



Godrej Safety Features

1 Five point wheel configuration

- Spring suspension for the drive unit ensures the contact of the wheel drive with the ground at all times while reducing the effort to steer the machine. Equipment automatically adjusts travel speeds to suit different operating conditions.

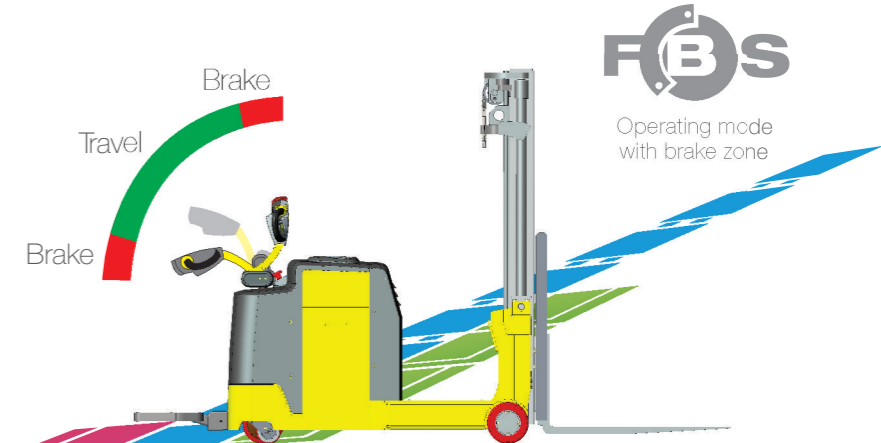


2 Different speeds to meet the requirements of the application while ensuring safe operation of the equipment

- Castors on either side of the drive wheel guarantee stability of the truck all the way upto 4.5 meters fork height.
 - Raising the operator platform automatically reduces the travel speed to 2.5 kmph, putting it in pedestrian mode. Operator platform is raised for operating in pedestrian mode.

3 Fail-safe Braking System

- Electromagnetic brake acts directly on the motor. It acts automatically in case of any form of power failure in the equipment.
- The electromagnetic brake also operates as a ramp hold, preventing the stacker from running away if left unattended on a slope
- The extreme horizontal & vertical positions of the tiller handle activate the electromagnetic brake. This ensures that the handle is always held in a convenient and safe zone while travelling. A spring automatically returns the tiller handle to a vertical position, immediately activating the electromagnetic brake and holding the stacker safely.
- The braking distance is programmable to suit the application, working conditions and operator skill



4 Anti-pinning Button at the end of the control handle

- If the operator accidentally gets trapped between the stacker and the wall/rack, the anti-pinning button presses against the operator. This immediately moves the machine a few inches away from the operator, before coming to a halt.

5 Battery Discharge Indicator (BDI) with lift lock out

- The BDI visually indicates the battery status at all times. The lift lock out disables lift function when the battery is discharged to 80% of its full capacity, preventing deep discharge of the battery through further use.

6 Emergency stop switch

- The mushroom button instantly cuts power to all functions and operates the electromagnetic brake whenever it is struck in emergency

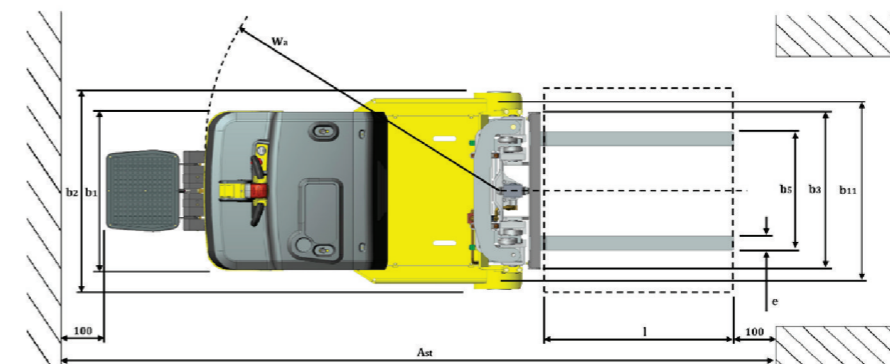
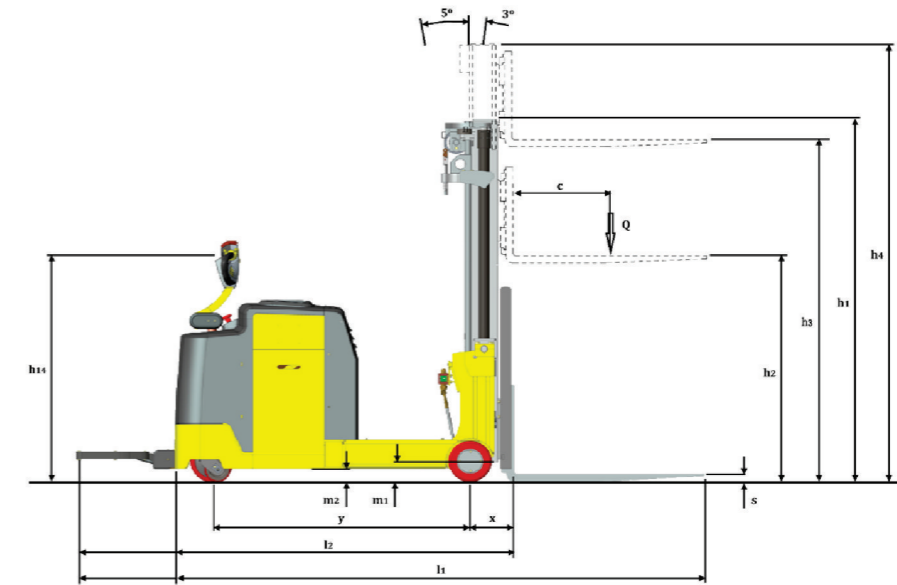




TECHNICAL SPECIFICATION - GECBS						
Characteristics	Manufacturer	-	-	Godrej	Godrej	Godrej
	Model Designation	-	-	GECBS15(500 LC)	GECBS12	GECBS15
	Power Source	-	-	Battery	Battery	Battery
	Operation Type	-	-	Pedestrian	Pedestrian	Pedestrian
	Load Capacity	Q	Kg	1500	1200	1500
	Load Centre	c	mm	500	600	600
Weights	Load Distance	x	mm	230	230	230
	Wheelbase	y	mm	1350	1350	1220
	Unladen weight	-	Kg	2390	2390	2800
	Axle loading with load	Front (Drive wheel)	Kg	470	630	410
		Rear (Load wheel)		3465	2955	3990
	Axle loading without load	Front (Drive wheel)	Kg	1170	1170	1460
Rear (Load wheel)			1220	1220	1355	
Wheels & Tyres	Wheels	Front		PU	PU	PU
		Rear	-	PU	PU	PU
		Castor		PU	PU	PU
	Wheel size	Front	mm	D-230 X 70	D-230 X 70	D-230 X 70
		Rear	mm	D-230 x 100	D-230 x 100	D-230 x 100
		Castor	mm	D-135 x 60	D-135 x 60	D-135 x 60
	No. of wheels	Front	-	1	1	1
		Rear		2	2	2
		Castor		2	2	2
	Track width, Rear	b11	mm	1020	1020	1020
	Mast tilt	Forward	Degree	3	3	3
		Back		5	5	5
Height of Mast, lowered	h1	mm	SEE TABLE	SEE TABLE	SEE TABLE	
Free lift	h2	mm	SEE TABLE	SEE TABLE	SEE TABLE	
Lift Height	h3	mm	SEE TABLE	SEE TABLE	SEE TABLE	
Height of Mast, extended	h4	mm	SEE TABLE	SEE TABLE	SEE TABLE	
Over head guard height	h6	mm	NA	NA	NA	
Height of tiller	h14	mm	1290	1290	1290	
Lowered Forks Height	h13	mm	40	40	40	
Overall Length*	l1	mm	2790 / 3295	2790 / 3295	2845 / 3360	
Length to Face of forks*	l2	mm	1785 / 2295	1785 / 2295	1645 / 2160	
Dimensions	Overall width	b1 / b2	mm	920 / 1145	920 / 1145	920 / 1145
	Fork dimension	Length (l)		1000	1200	1200
		Width (e)	mm	80	80	80
		Thickness (s)		40	40	40
	Fork carriage Class	-	-	Class-2	Class-2	Class-2
	Fork Carriage width	b3	mm	855	855	855
	Max. width across forks	b5	mm	800	800	800
	Ground clearance under mast	m1	mm	110	110	110
	Ground clearance centre of wheelbase	m2	mm	75	75	75
	Right angle Aisle width (1000 x 1000 pallet)+	Ast	mm	3105 / 3600	3105 / 3600	2980 / 3470
Right angle Aisle width (1000 x 800 pallet)+	Ast		3070 / 3570	3070 / 3570	2950 / 3435	
Right angle Aisle width (1200 x 1200 pallet)+	Ast		-	3330 / 3825	3200 / 3690	
Right angle Aisle width (1200 x 1000 pallet)+	Ast		-	3290 / 3790	3170 / 3660	
Right angle Aisle width (1200 x 800 pallet)+	Ast		-	3260 / 3760	3140 / 3640	
Turning Radius*	Wa	mm	1580 / 2075	1580 / 2075	1450 / 1940	

TECHNICAL SPECIFICATION - GECBS						
Performance	Travel speed	with load	Km/h	5	5	5
		without load		6	6	6
	Lift speed	with load	m/sec	0.1	0.1	0.1
		without load		0.13	0.13	0.13
	Lowering speed	with load	m/sec	0.17	0.17	0.14
		without load		0.11	0.11	0.11
Max. gradeability	with load	%	5	5	5	
	without load		5	5	5	
Service brake	-	-	Elect-magnetic	Elect-magnetic	Elect-magnetic	
Drive motor, S2 60 min rating	-	Kw	1.3	1.3	1.3	
Lift motor, S3 10% rating	-	Kw	3	3	3	
Power Unit	Battery	Voltage	V	24	24	24
		Capacity	Ah	315 / 375 / 455	315 / 375 / 455	516 / 575
	Battery weight	-	Kg	278 / 322 / 422	278 / 322 / 422	485 / 463
	Drive control	-	-	AC-MOSFET	AC-MOSFET	AC-MOSFET
	Steering system	-	-	Tiller handle	Tiller handle	Tiller handle
Steering angle	-	Degree	175	175	175	

All dimensions and specifications are subject to variations within ± 15%
+ Specification with/without op. platform





MAST SPECIFICATIONS						
Model - 1.5 tonne at 500 mm Load centre	Mast Type	Maximum Fork Height (MFH) h3 (mm)	Overall Height Lowered (OAHL) h1 (mm)	Free Lift h2 (mm)	Overall Height Raised (OAHR) h4 (mm)	Capacity at MFH (Kg)
GECBS1530	2 stage CVM	3000	2145	0	3625*	1300
GECBS1533		3300	2295	0	3925*	1200
GECBS1536		3660	2475	0	4285*	1100
GECBS1546		4600	2945	0	5225*	800
GECBS1536	3 stage CVM with FL	3600	1770	1270	4110**	1100
GECBS1545		4500	2075	1570	5040**	850
GECBS1530	2 stage CVM with FL	3000	2170	1570	3595***	1300

MAST SPECIFICATIONS						
Model - 1.2 tonne at 600 mm Load centre	Mast Type	Maximum Fork Height (MFH) h3 (mm)	Overall Height Lowered (OAHL) h1 (mm)	Free Lift h2 (mm)	Overall Height Raised (OAHR) h4 (mm)	Capacity at MFH (Kg)
GECBS1230	2 stage CVM	3000	2145	0	3625*	1000
GECBS1233		3300	2295	0	3925*	900
GECBS1236		3660	2475	0	4285*	800
GECBS1246		4600	2945	0	5225*	500
GECBS1236	3 stage CVM with FL	3600	1770	1270	4110**	800
GECBS1245		4500	2075	1570	5040**	550
GECBS1230	2 stage CVM with FL	3000	2170	1570	3595***	1000

MAST SPECIFICATIONS						
Model - 1.5 tonne at 600 mm Load centre	Mast Type	Maximum Fork Height (MFH) h3 (mm)	Overall Height Lowered (OAHL) h1 (mm)	Free Lift h2 (mm)	Overall Height Raised (OAHR) h4 (mm)	Capacity at MFH (Kg)
GECBS1530	2 stage CVM	3000	2145	0	3625*	1300
GECBS1533		3300	2295	0	3925*	1200
GECBS1536		3660	2475	0	4285*	1100
GECBS1546		4600	2945	0	5225*	800
GECBS1536	3 stage CVM with FL	3600	1770	1270	4110**	1100
GECBS1545		4500	2075	1570	5040**	850
GECBS1530	2 stage CVM with FL	3000	2170	1570	3595***	1300

NOTE:

- 1) GECBS15 VARIANT CAN LIFT 1500Kg UPTO 2500MFH.
- 2) GECBS12 VARIANT CAN LIFT 1200Kg UPTO 2500MFH.
- 3) *ADD 445mm for LBR.
- 4) **ADD 560mm for LBR.
- 5) ***ADD 475mm for LBR.

Standard Equipment:

- Drive unit with 3-Phase 1.3kW AC drive motor for effortless operation.
- Integrated Gearbox and Traction motor.
- High speed 3kW DC Hydraulic Lift motor.
- Programmable MOSFET controller.
- Electromagnetic brakes.
- Centre mounted control handle with Lift / Lower and Front / Back Tilt operation switches.
- Antipinning Button.
- Electric Horn.
- Key switch.
- Emergency Power Disconnect switch.
- Battery discharge indicator with lift lockout.
- Battery rollout Rollers.
- Polyurethane Drive wheel.
- Polyurethane Load wheels.
- Mast tilt operation.
- Operator platform for Ride-on operation.
- Hour meter

Optional Accessories:

- High capacity battery selection option.
- Battery charger.
- Load back rest.
- High visibility Mast selection option.
- Controller lowering feature
- MFH restriction + Over ride feature
- Travel Alarm
- Operator Restraint/Side support
- Battery Changing Trolley
- Wide carriage to increase fork spread
- Tool Kit

