

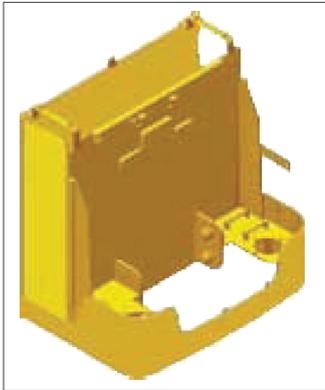


UNO Electric Stacker 1.5 tonne

STACK MORE. DELIVER MORE

ONE TRUCK SERVES ALL

Godrej Electric Stacker are economical and versatile equipment for light (up to 1.5 tonne) load handling needs across your warehouse. It moves quickly, ensuring maneuverability even in tight spaces, lifts to a great height, and above all, is easy to operate and doesn't necessitate formal training.



Heavy duty construction

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

Industry-leading lifting capacity

The interlocking construction guarantees rigidity and stability to lift a maximum of 650 kilograms up to 6.3 meters high

Easy access to controls

- A full-function control handle with thoughtfully placed switches allows the operator to intuitively manage all functions (Forward/Reverse/Braking/Lifting/Lowering) and pay attention to driving and handling
- The symmetrical design of the handle makes it equally suitable for left and right-handed operators

Better visibility all around

A superior mast design with excellent fork tip visibility ensures confident maneuvering in tight spaces and while loading or unloading

Accurate and efficient load handling

- The proportional control valve ensures the forks are aligned accurately with the pallet for jerk-free and safe lifting and lowering
- The electronic control generates only the power required to lift the load - an energy efficient solution that save battery and delivers longer uptime

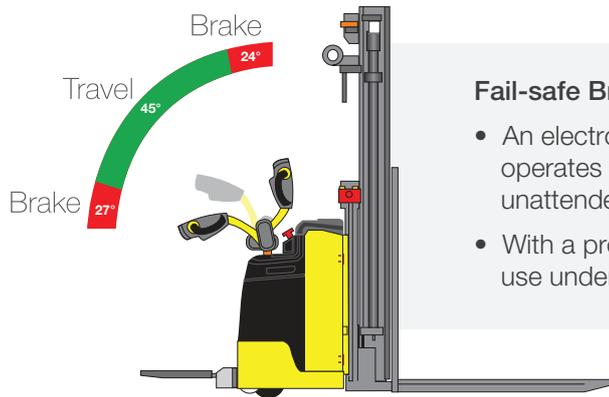


Fully integrated AC Traction System (ACTS)

- The AC control system with the rugged drive train allows fast acceleration and quick direction change while protecting the gearbox
- It keeps the equipment under fine control at low speed for pallet picking and placing
- The motor torque control provides a strong braking force, dramatically reducing brake pad wear from applying brakes



EASIER AND SAFER WAY TO LIFT, CARRY OR MOVE



Fail-safe Braking System

- An electromagnetic brake acts automatically in case of power failure. It also operates as a ramp hold, preventing the machine from moving if left unattended on a slope
- With a programmable braking system, Godrej Electric Stackers are easy to use under any working conditions or operator skills

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

Turtle speed switch

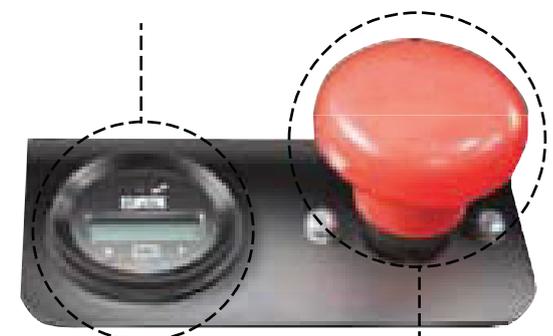
The Turtle speed switch ensures precise handling and efficient operations even at the lowest speed

Auto speed reduction

The controller automatically reduces machine speed when the forks are raised to 300 mm above the ground. This safeguards the load and ensures effortless transportation

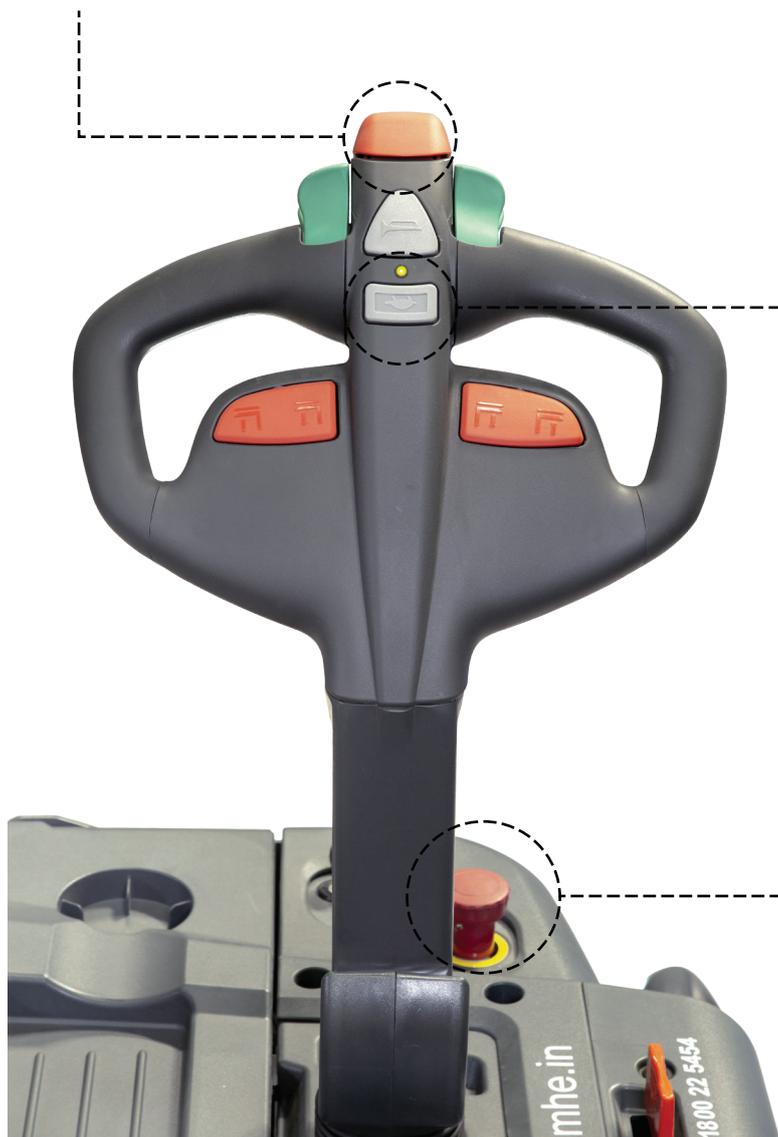
Battery Discharge Indicator (BDI) with lift lockout

To prevent deep discharge of the battery, BDI prompts the operator to put the battery on charge when it is discharged to 20% of its total capacity



Emergency stop switch

The mushroom button instantly cuts the power supply to all functions and activates the electromagnetic brake in case of an emergency





STANDARD INCLUSIONS AND OPTIONAL ACCESSORIES

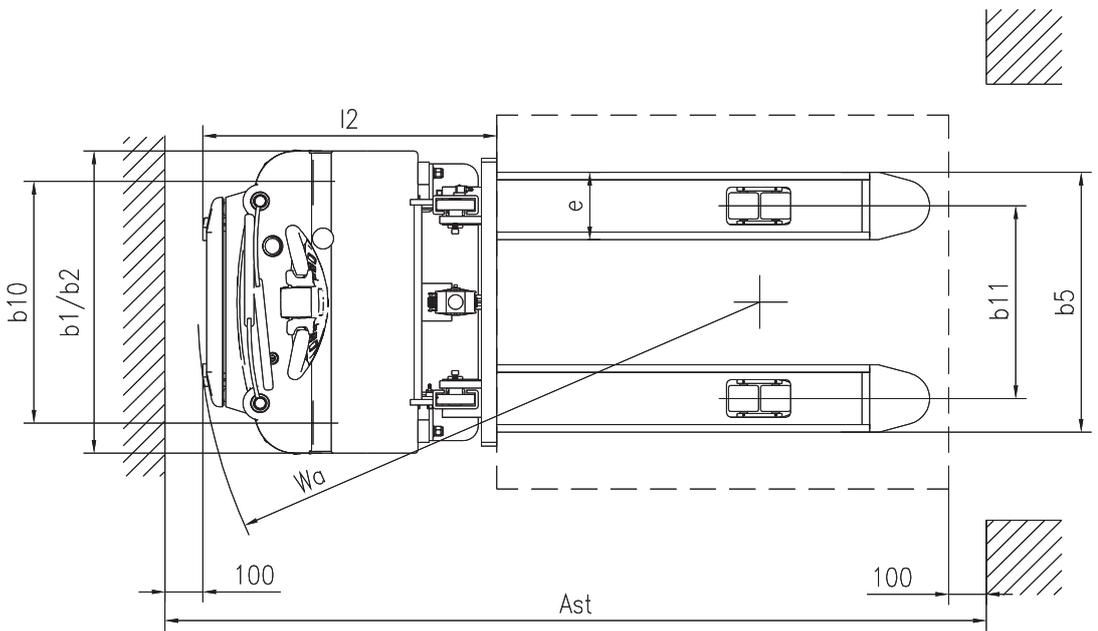
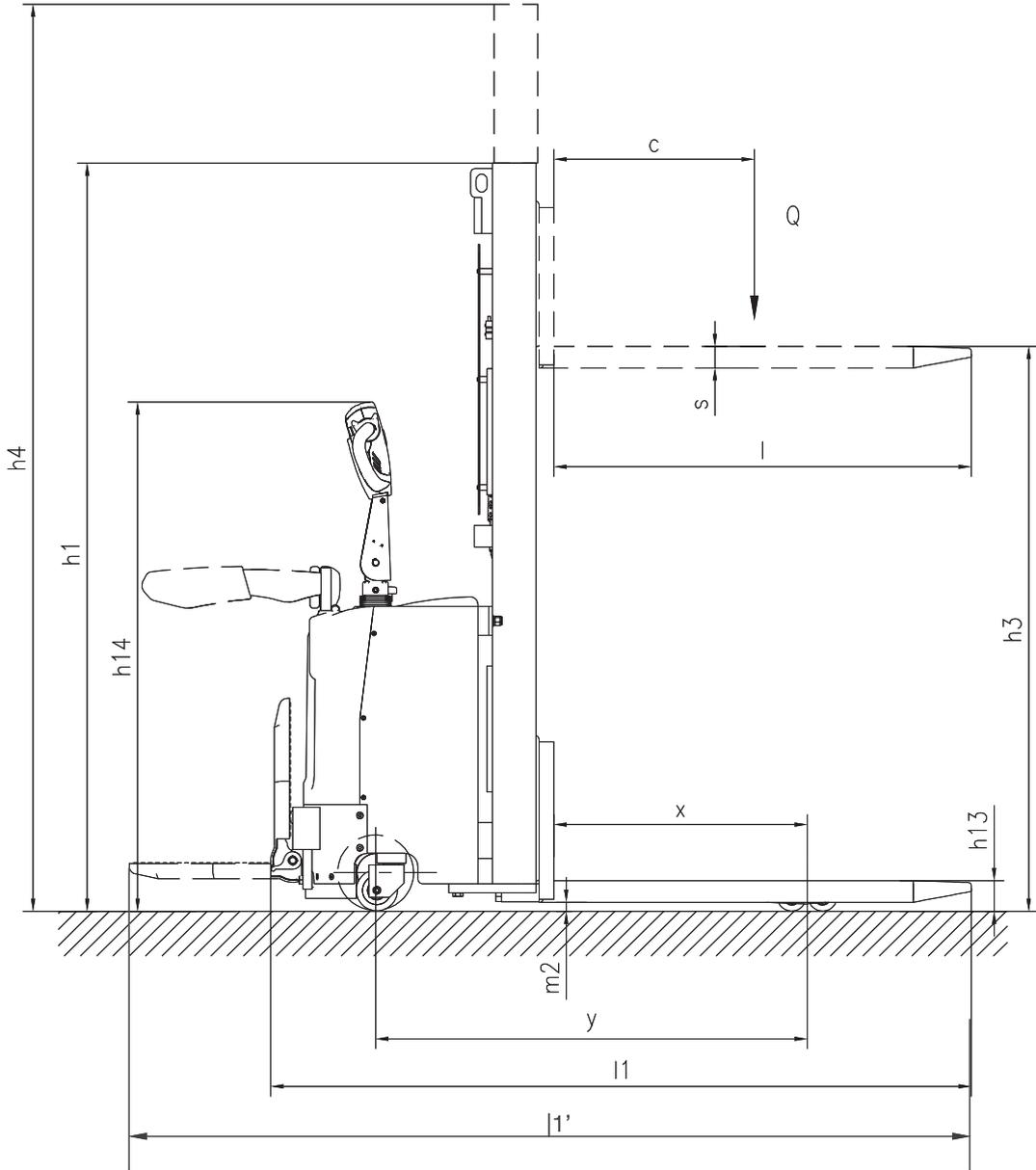
- 24 V Electrical System
- Anti Pinning Button for Operator Safety
- Battery Discharge Indicator and Hour Meter
- Center mounted fully functional control handle
- Easy Auto-fill system for battery (optional)
- Electromagnetic Brake on Traction Motor with Ramp Hold facility
- Electromagnetic Parking Brakes
- Fully Integrated Drive Unit with Gear Box, Traction Motor and Drive Wheel
- Horn
- Load back rest
- Mushroom Button for Emergency Shut Down
- Operator Platform
- Side restraints

TECHNICAL SPECIFICATION

Characteristics	1.1	Manufacturer		Godrej	Godrej
	1.2	Model		ES15 UNO ES 15 W UNO	ES15 UNO ES15 W UNO Li-ion
	1.3	Power unit		Electric	Electric
	1.4	Operation		Pedestrian	Pedestrian
	1.5	Rated traction weight	Q (t)	1.5	1.5
	1.6	Load centre	c (mm)	600	600
	1.8	Axle centre to fork face	x (mm)	695	695
	1.9	Wheel base	y (mm)	1190	1190
Wheels / Tyres	2.1	Service weight with battery	kg	927	927
	3.1	Wheels type		Polyurethane	Polyurethane
	3.2	Driving wheel size	Φ×w(mm)	Φ250×80	Φ250×80
	3.3	Bearing wheel size	Φ×w(mm)	Φ80×70	Φ80×70
	3.4	Additional wheels (dimensions)	Φ×w(mm)	Φ150×58	Φ150×58
	3.5	Wheels, number front/rear (x = driven)		1, 4/2	1, 4/2
	3.6	Track width- Front	b ₁₀ (mm)	685	685
Dimensions	3.7	Track width- Rear	b ₁₁ (mm)	520	520
	4.1	Maximum Fork Lift	h ₃ (mm)	Refer Table 1	Refer Table 1, (Line 2 and 3)
	4.2	Height of mast, lowered	h ₁ (mm)	Refer Table 1	Refer Table 1, (Line 2 and 3)
	4.3	Free lift	h ₂ (mm)	NIL	NIL
	4.5	Height of mast, extended	h ₄ (mm)	3687	3687
	4.15	Lowered forks height	h ₁₃ (mm)	86	86
	4.19	Overall length without footboard	l ₁ (mm)	1935	1935
	4.20	Overall length with footboard	l _{1'} (mm)	2385	2385
	4.21	Overall width	b ₁ (mm)	820	820
	4.22	Fork dimensions	s/e/l (mm)	60/180/1150	60/180/1150
	4.25	Width across the forks	b ₅ (mm)	570 / 695	570 / 695
	4.32	Min.Ground clearance	m ₂ (mm)	25	25
	4.33	Aisle width with pallet 1000 x 1200 across forks	A _{st} (mm)	2335/2820	2335/2820
	4.34	Aisle width with pallet 800 x 1200 along forks	A _{st} (mm)	2305/2790	2305/2790
	4.35	Min.Turning radius	W _a (mm)	1460	1460
Performance	5.1	Travel speed,laden/unladen	(km/h)	5.2/5.5	5.2/5.5
	5.2	Lifting speed, with/without load	(mm/s)	100/135	100/135
	5.3	Lowering speed, with/without load	(mm/s)	146/128	146/128
	5.8	Maximum climbing ability, with/without load	(%)	6/8	6/8
	5.10	Service brake		Electromagnetic	Electromagnetic
Drive	6.1	Drive motor, 60 minute rating	(kW)	1.5	1.5
	6.2	Lift motor rating at S3 15%	(kW)	2.2	2.2
	6.4	Battery voltage/rated capacity	(V/Ah)	24/240	24/202
	6.5	Battery weight (± 5%)	(kg)	210	194
Other	8.1	Type of drive control		AC Drive	AC Drive
	8.4	Noise level at operator's ear	(dB(A))	≤70	≤70

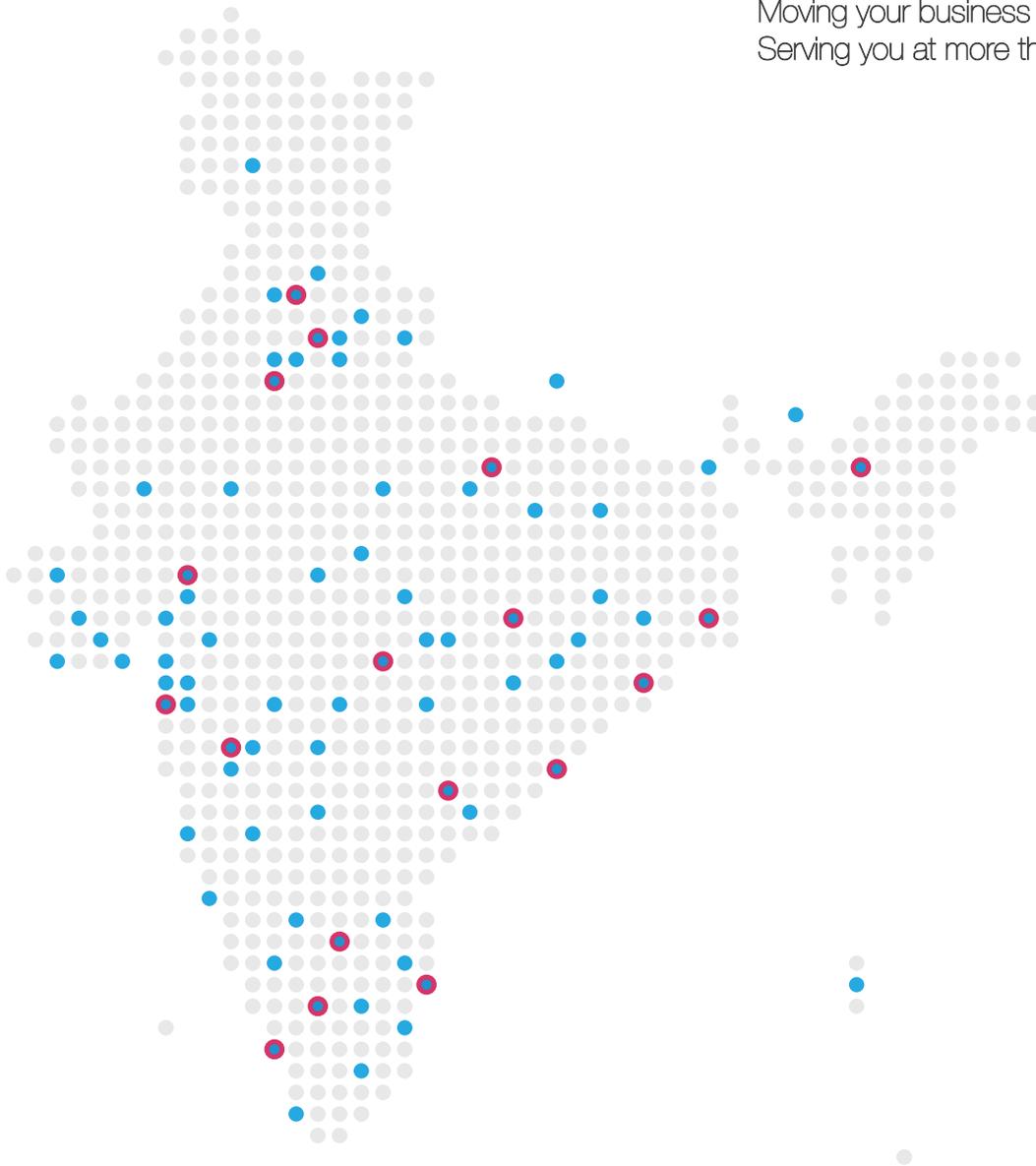
Table 1

	Model	Mast Type	Maximum Fork Height (MFH) mm	Overall Height Lowered OAHL mm	Overall Height Raised OAHR mm	Capacity at MFH Kg
1	ES 1532 UNO/ ES 1532 W UNO	2 Stage CVM	3200	2127	3787	1100
2	ES 1536 UNO/ ES 1536 W UNO	2 Stage CVM	3600	2327	4087	900
3	ES 1540 UNO/ ES 1540 W UNO	2 Stage CVM	4000	1886	4496	700



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Plant 16, Pirojshanagar, Vikhroli, Mumbai 400079

+91 22 6976 4660 • mhemktg@godrej.com • www.godrej.com/intra-logistics

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