https://truckmanualshub.com/

1.5 to 3 tonne

Diesel

Forklifts

Godrej

https://truckmanualshub.com/

About us

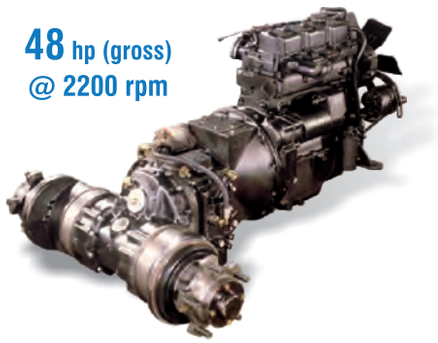
India's No.1 Forklift Trucks

Welcome to the amazing world of Godrej - For over a110 years, a USD 2 billion engineering and consumer products colossus - is one of India's most trusted and respected names. A world where technology goes hand in hand with people. Where innovation is the breath of existence. Where tomorrow is moulded today and where more than 14,000 people work towards the common goal of excellence. At a sprawling industrial garden township with more than 20 manufacturing units, we represent fields as diverse as Industrial Products, Office Automation, Office Equipment, Household Appliances to Security Equipment, Material Handling Equipment, Consumer Products, Chemical, Agro Products and Spacecraft Engines.

We at Godrej Material Handling Equipment Division:

Over forty years ago, Godrej manufactured the first Forklift Truck in India, pioneering the industry. We are the undisputed markets leaders for material handling equipment in the country for over a decade. Operating in Mumbai from a 12000 sq m manufacturing plant, which is ISO 9001 and ISO 14001 certified by RW-TUV of Germany, we deliver a wide range of Forklift trucks, Attachments and Warehousing Equipment to customers in India and abroad.

POWERHOUSE – DRIVE TRAIN



The drive train is the heart of every forklift truck, comprising of engine, transmission and drive axle. It provides acceleration, speed and gradeability ensuring higher productivity and faster operating cycle times.

ENGINE: 4 Stroke, 4 cylinder water cooled diesel engine with heavy duty dry type air cleaner, dual fuel filter, lubrication oil filter and protecto fuel filter cap. We are the only manufacturer to offer several engine options on our Forklifts Trucks.

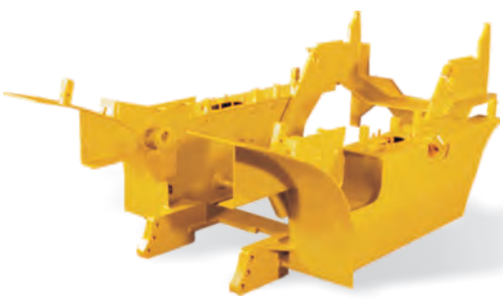
TRANSMISSION: Automatic transmissions are best suited for variable speed - variable load applications. Torque multiplication at lower speeds results in faster acceleration giving excellent gradeability. Direction reversal is possible with the flick of a lever. This eliminates manual clutching and declutching resulting in reduced operator fatigue and allows the operator to focus completely on the load. We are the only Indian manufacturer of Forklifts to produce the Automatic Transmission in-house.

DRIVE AXLE: The drive axle is designed with 4.4:1 final gear reduction through fully enclosed ring gear and pinion. Axle end gear reduction within the drive axle assembly develops maximum torque at the drive wheel. Reduced torsional forces in differential and pinion shafts gives increased life and reliability to the drive line. Braking torque multiplication results in quick responsive braking with reduced pedal effort.

Engine options:	Option of
Simpsons S433	**Fluid Coupling Transmission**

A powerful engine with a responsive automatic transmission and drive axle g superior acceleration, gradeability, travel & lift/ lower speeds

RUGGEDNESS & STABILITY



FRAME: The durability, stability and power of a machine are derived from the strength of its structural framework. Our rugged, compact, monocoque frame construction with integral fuel and hydraulic tank provides a very stable platform for the complete forklift.

MAST: A high-strength, low-deflection mast with variable retainment mast rollers easily accommodates offcentre loads.

OVERHEAD GUARD: Driver's overhead guard developed with Finite Element technique, ensures operator's safety on all Godrej Forklift Trucks. It protects the driver from falling objects and also provides excellent upward visibility.

Monocoque construction with built-in fuel and hydraulic tanks provides strength and stability

ENHANCED PRODUCTIVITY & PERFORMANCE

- Higher travel, lifting and lowering speed reduces operating cycle times and increases throughput.
- High Visibility Mast for quick and safe handling of material
- Feather touch power steering system allows sharper and effortless maneuvering in aisles
- Easy mounting and dismounting of forks and various attachments
- Excellent gradeability for climbing steeper gradients with load
- Container Stuffing and Destuffing made easy with container mast (optional)

Lifting & Lowering Speed of 0.5 m/s
Travel Speed of 18 km/h and Gradeability upto 28%

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SUPERIOR ERGONOMICS

- Spacious operator cell with executive class leg room
- Adjustable driver's seat for comfortable driving
- Low step height for easy and safe entry / exit
- Ingress / egress from either side of the truck
- Knob on steering wheel facilitates single hand operation
- Soft touch accelerator and brake pedal for fatigue-free operation
- Clear View Mast for excellent forward and upward visibility
- Low position cowl and ergonomically placed controls makes material handling a pleasure

Ergonomically designed and positioned controls, place everything you need to see, reach and hold precisely where the operator will expect them thus make for a comfortable driving experience

MAINTAINABILITY & SERVICEABILITY

- Wide opening engine hood provides easy access for maintenance
- Easily detachable floor plates allow clear access to the drive train
- Easy accessibility for checking and maintaining oil levels

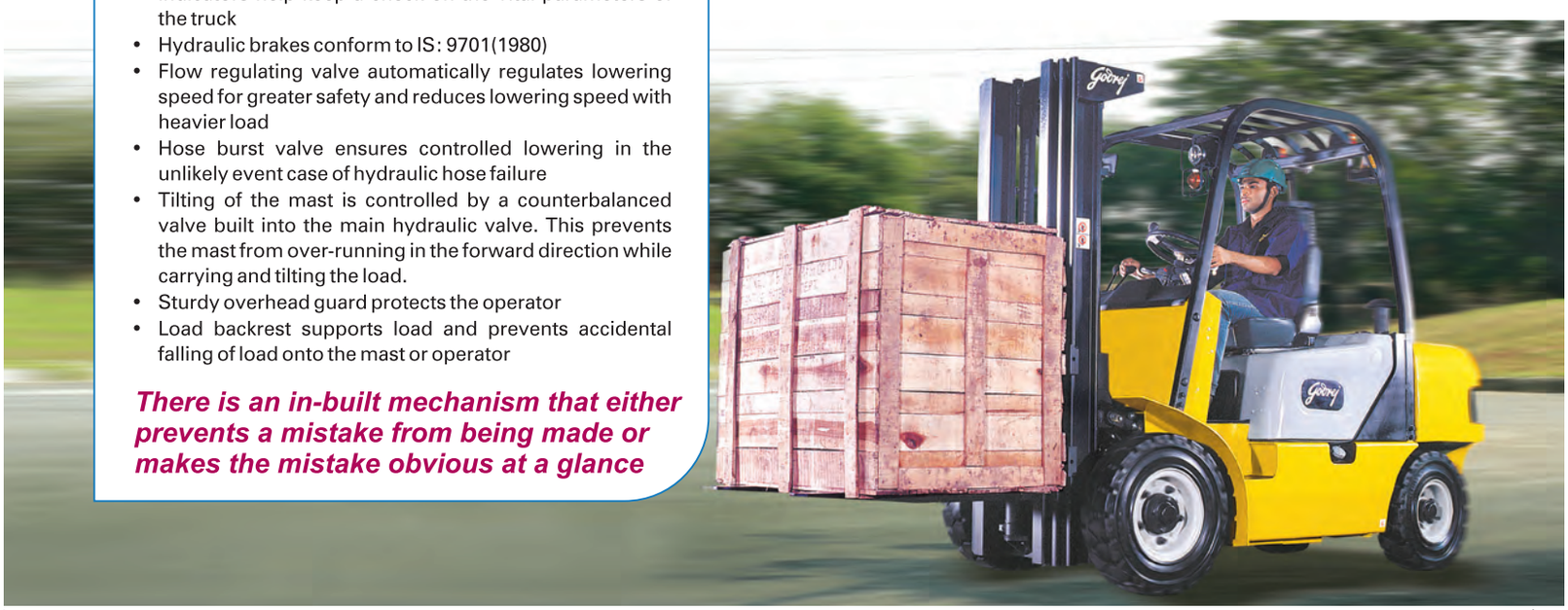
Our Comprehensive Service Network, Rapid Parts Supply and Short Response Times lead to CUSTOMER DELIGHT

SAFETY

We invest in developing techniques that continuously improve our processes to deliver reliable and durable equipment.

- Neutral start switch allows engine to start with direction control lever in neutral position only
- High coolant temperature and low engine oil pressure indicators help keep a check on the vital parameters of the truck
- Hydraulic brakes conform to IS: 9701(1980)
- Flow regulating valve automatically regulates lowering speed for greater safety and reduces lowering speed with heavier load
- Hose burst valve ensures controlled lowering in the unlikely event case of hydraulic hose failure
- Tilting of the mast is controlled by a counterbalanced valve built into the main hydraulic valve. This prevents the mast from over-running in the forward direction while carrying and tilting the load.
- Sturdy overhead guard protects the operator
- Load backrest supports load and prevents accidental falling of load onto the mast or operator

There is an in-built mechanism that either prevents a mistake from being made or makes the mistake obvious at a glance



Specification

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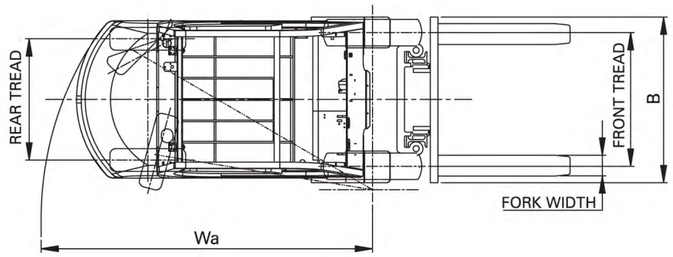
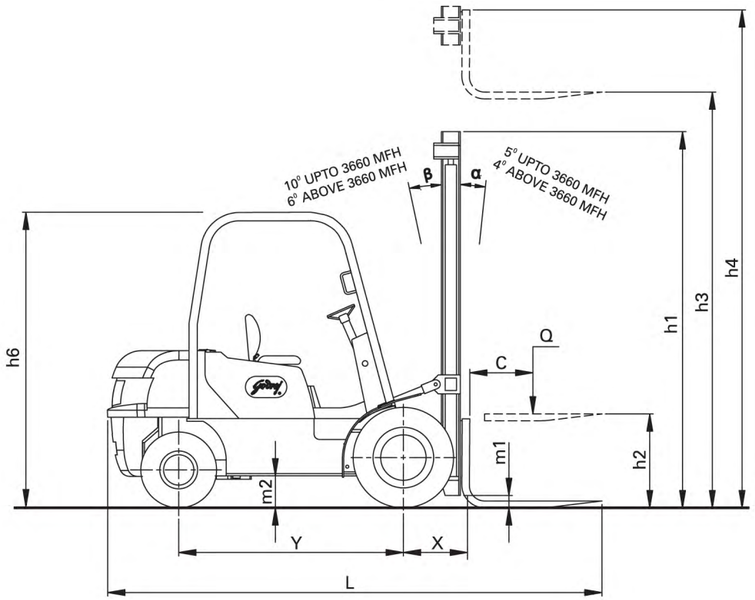
	MODEL	GODREJ MODEL NUMBER			GX 150 D	GX 200 D	GX 250 D	GX 300 D	GX 300 D(C)
CHARACTERISTICS	CAPACITY	AT LOAD CENTRE		kg	1500	2000	2500	3000	3000
	LOAD CENTRE	DISTANCE		mm	500	500	500	500	900
	POWER TYPE	DIESEL, IC ENGINE			DIESEL	DIESEL	DIESEL	DIESEL	DIESEL
DIMENSIONS	NO. OF WHEELS	SINGLE (FRONT / REAR) / DUAL (FRONT / REAR)			(2 / 2) / (4 / 2)	(2 / 2) / (4 / 2)	(2 / 2) / (4 / 2)	(2 / 2) / (4 / 2)	(4 / 2)
	FORKS	THICKNESS x WIDTH x LENGTH		mm	40 x 80 x 1000	40 x 80 x 1000	45 x 100 x 1000	45 x 100 x 1000	45 x 100 x 1200
	OVERALL DIMENSIONS	OVERALL LENGTH WITH FORKS	L	mm	3580	3580	3700	3700	4320
		OVERALL WIDTH (SINGLE / DUAL) DRIVE	B	mm	1210 / 1650	1210 / 1650	1210 / 1650	1210 / 1650	1630
		OVERHEAD GUARD HEIGHT	h6	mm	2130	2130	2130	2130	2130
		DRIVER SEAT HEIGHT		mm	1150	1150	1150	1150	1150
		GROUND CLEARANCE AT CENTER OF WHEELBASE	m2	mm	175	175	175	175	175
		GROUND CLEARANCE UNDER MAST	m1	mm	90	110	110	110	110
	TURNING RADIUS	SINGLE / DUAL DRIVE	Wa	mm	2460 / 2500	2460 / 2500	2500 / 2600	2500 / 2600	3100
	FRONT OVERHANG		x	mm	450	450	450	450	530
	RIGHT ANGLE AISLE WIDTH	ADD LOAD LENGTH AND CLEARANCE		mm	2910	2910	2950	2950	3550
	INTERSECTING AISLE WIDTH	ADD CLEARANCE (FOR SINGLE DRIVE)		mm	2090	2090	2200	2200	2800
	FORK SPREAD	SINGLE DRIVE / DUAL DRIVE			Adjustable upto 1000mm / 1475mm	Adjustable upto 1000mm / 1475mm	Adjustable upto 1000mm/ 1475mm	Adjustable upto 1000mm / 1475mm	Adjustable upto 1000mm / 1475mm
PERFORMANCE	TRAVEL SPEED	LADEN / UNLADEN		km / h	18 / 18	18 / 18	18 / 18	18 / 18	18 / 18
	LIFT SPEED	LADEN / UNLADEN		m / s	0.5 / 0.5	0.5 / 0.5	0.5 / 0.5	0.5 / 0.5	0.4 / 0.4
	LOWER SPEED	LADEN / UNLADEN		m / s	0.5 / 0.5	0.5 / 0.5	0.5 / 0.5	0.5 / 0.5	0.4 / 0.4
	MAST TILT	FORWARD / BACKWARD UPTO 3660	α / ß	deg	5 / 10	5 / 10	5 / 10	5 / 10	5 / 10
		FORWARD / BACKWARD BEYOND 3660 UPTO 5500	α / ß	deg	4 / 6	4 / 6	4 / 6	4 / 6	4 / 6
	GRADEABILITY	LADEN / UNLADEN		%	28	28	28	28	25
	TOTAL WEIGHT	UNLADEN		kg	3800	3800	4200	4200	5400
	DRAWBAR PULL	LADEN		kg	1000	1000	1000	1000	1000
	TYRES	FRONT - PNEUMATIC			6.50 x 10 x 10 PR	7.0 x 12 x 12 PR	7.0 x 12 x 12 PR	8.15 x 15 x 14 PR	7.0 x 12 x 12 PR
		FRONT - SOLID CUSHION (ID x WIDTH)		inch	6.5 x 10	7 x 12	7 x 12	7 x 12	7 x 12
		REAR - PNEUMATIC			6.50 x 10 x 10 PR	6.50 x 10 x 10 PR	6.50 x 10 x 10 PR	6.50 x 10 x 10PR	6.50 x 10 x 10 PR
		REAR - SOLID CUSHION (ID x WIDTH)		inch	6.5 x 10	6.5 x 10	6.5 x 10	6.5 x 10	6.5 x 10
CHASSIS	WHEEL BASE	DISTANCE	Y	mm	1620	1620	1700	1700	2100
	TREAD	FRONT: SINGLE / DUAL		mm	990 /1490	990 /1490	990 / 1490	1035 / 1490	1490
		REAR		mm	940	940	940	940	940
	BRAKES	SERVICE BRAKE			Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic
		PARKING BRAKE			Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic
ENGINE SPECS	ENGINE	ENGINE MAKE / MODEL			Simpsons / S 433	Simpsons / S 433	Simpsons / S 433	Simpsons / S 433	Simpsons / S 433
		RATED OUTPUT AT RPM		hp / rpm	48 / 2200	48 / 2200	48 / 2200	48 / 2200	48 / 2200
		CYCLE / CYLINDERS / DISPLACEMENT (CC)			4 / 4 / 3330	4 / 4 / 3330	4 / 4 / 3330	4 / 4 / 3330	4 / 4 / 3330
		MAX.TORQUE @ RPM		Nm / rpm	200 @ 1200	200 @ 1200	200 @ 1200	200 @ 1200	200 @ 1200
	TRANSMISSION	NO OF SPEEDS FORWARD / REVERSE			2 / 2	2 / 2	2 / 2	2 / 2	2 / 2
	FUEL TANK			litre	58	58	60	60	60
	HYDRAULIC OIL TANK			litre	58	58	60	60	60
	ENGINE SUMP OIL			litre	6.5	6.5	6.5	6.5	6.5
	TRANSMISSION OIL			litre	7	7	7	7	7
	FRONT AXLE LOAD	LADEN		kg	4260	5080	6000	6600	7680
		UNLADEN		kg	1860	2020	1900	1900	2680
	REAR AXLE LOAD	LADEN		kg	1200	800	700	900	780
		UNLADEN		kg	2060	1880	2200	2600	2720

All dimensions & specifications are subject to variation within ±15%





Mast Dimensions & Capacity

TYPE OF MAST	MFH (h3)	FL (h2)	OAHL (h1)	OAHR* (h4)	GX 150 D CAPACITY SINGLE DRIVE	GX 150 D CAPACITY DUAL DRIVE	GX 200 D CAPACITY SINGLE DRIVE	GX 200 D CAPACITY DUAL DRIVE	GX 250 D CAPACITY SINGLE DRIVE	GX 250 D CAPACITY DUAL DRIVE	GX 300 D CAPACITY SINGLE DRIVE	GX 300 D CAPACITY DUAL DRIVE	GX 300 D (C)# CAPACITY DUAL DRIVE
2 STAGE CV	2100	105	1850	2850/2925	1500	1500	2000	2000	2500	2500	3000	3000	3000
2 STAGE CV	3000	105	2300	3600	1500	1500	2000	2000	2500	2500	3000	3000	3000
2 STAGE CV	3300	105	2400	3900	1500	1500	2000	2000	2500	2500	3000	3000	3000
2 STAGE CV	3660	105	2630	4260	1500	1500	2000	2000	2500	2500	3000	3000	3000
2 STAGE CV	4600	105	3100	5200	1500	1500	1500	1700	2200	2400	2600	2900	2500
2 STAGE CV	5500	105	3550	6100	NA	1300	NA	1500	NA	2200	NA	2500	2000
2 STAGE CV WITH FFL	3000	1530	2150	3600	1500	1500	2000	2000	2500	2500	3000	3000	3000
2 STAGE CV WITH FFL	3660	1980	2580	4260	1500	1500	2000	2000	2500	2500	3000	3000	3000
3 STAGE CV WITH FFL	4500	1530	2150	5100	1500	1500	1500	1700	2300	2500	2750	3000	2500
3 STAGE CV WITH FFL	4800	1650	2250	5400	1500	1500	1500	1500	2100	2300	2425	2800	2200
3 STAGE CV WITH FFL	5500	1925	2480	6100	NA	1300	NA	1300	NA	2200	NA	2500	2000

Note: All dimensions in mm and capacity in kg
Note: 6.0 m & 7.2 m mast available on request

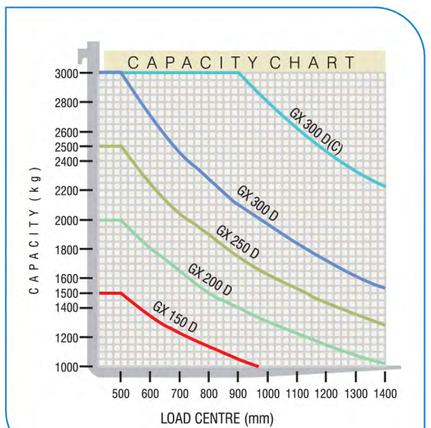
*Add 600mm if load backrest is offered #Single drive available on special request

MFH : Maximum Fork Height
FL : Free Lift
FFL : Full Free Lift
OAHL : Overall Height Lowered
OAHR : Overall Height Raised
CV : Clear View

All specifications are subject to change without prior notice

Colours shown in the catalogues are indicative colours. Our Standard Colour is Traffic Yellow and Jet Black.

*The image shown in the leaflet are representative. Actual equipment may differ in colour and optional accessories.



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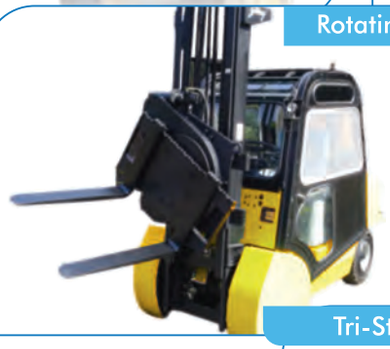
Attachments

Shovel

Parrot Beak

Rotating Forks



Drop Bottom Dumper Box

Tri-Stacker

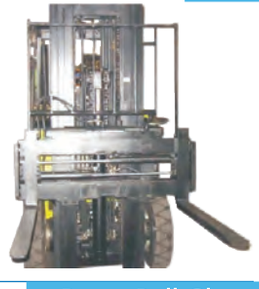
Baleclamps

Fork Mounted Crane

Prong

Four Drum Grab

Fork Positioner



Stoker

Paper Roll Clamp

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& Accessories

Standard Equipment

Equipment

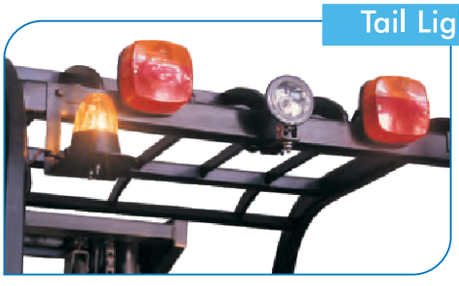
- Automatic Torque Converter Transmission
- Clear View Mast with MFH 3300 / 3660 mm
- All-welded, High Visibility Overhead Guard
- Foot operated Hydraulic Service Brake
- Hand operated Parking Brake
- Adjustable and Comfortable Operator Seat
- ITA Class II / III Carriage
- Pneumatic Tyres
- Hydrostatic Power Steering
- Return Hydraulic Filter / Suction Hydraulic Strainer
- Load Lowering Valve, Hose Burst Valve
- Neutral Safety Switch
- 2-Spool Control Valve with Pressure Relief & Tilt Lock
- Vertical Exhaust
- Floor Mat
- Electric Horn
- Pair of forks
- Load Sensing Valve
- Reversing Alarm
- Head and Tail Lights
- Rear View Mirrors
- Safety Belt (Seat)

Automotive type Instrument Cluster

- Fuel Gauge
- Hour Meter
- Battery Charging Indicator
- High Water / Coolant Temperature Indicator
- Low Engine Oil Pressure Indicator
- High Transmission Oil Temperature Indicator
- Parking Brake 'ON' Indicator
- Direction Indicator

Head Lights

Tail Lights



Spark Arrestor

Optional Equipment

- Electric power shift single speed automatic transmission with wet disc breaks, inching control and 21% gradeability
- Fluid Coupling Transmission
- 2 Stage Mast upto MFH 5500 mm
- 3 Stage Mast upto MFH 7200 mm
- Solid Tyres
- Non - marking Tyres
- Dual Drive (4 front wheels)
- Longer forks (1200 mm - 2000mm)
- Customized Color Scheme
- Adjustable Steering Column
- Suspension seat

Optional Accessories

- Enclosed Operator Cabin
- Exhaust Gas Purifier (Oxycat Gas Purifier)
- Flashing Beacon Light
- Fork Extensions
- Spark Arrestor
- Maintenance Tool Kit
- Tarpaulin Cover on Overhead Guard
- Towing Arrangement
- Water Muffler

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Our Range

Electric Forklift Trucks
1.5 to 3 tonne Neo Series

Diesel Forklift Trucks
1.5 to 3 tonne Bravo Series

Diesel Forklift Trucks
4 to 6 tonne

Diesel Forklift Trucks
5 to 10 tonne

Diesel Forklift Trucks
12 to 20 tonne

Hand Pallet Truck
2.5 tonne

Power Pallet Truck
2 tonne

Fully Electric Stacker
1.5 tonne

Articulated Forklift Trucks
1.3 to 2 tonne

Tow Truck
2 to 6 tonne

Warehousing
Equipment

Forklifts

Industrial Cleaning
Equipment

HUBTEX
Side Loaders

MERLO

iteco

DISTRIBUTION: Our network of 16 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 FOOTPRINT: 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

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