

Compact Rear Axle Steering Rough Terrain Forklift 3Ton to 8Ton Small Turning Radius Off-Road Forklift for Farm

Specifications :

Price	Contact us
Place of Origin	China
Min.Order Quantity	1
Payment Terms	OEM?ODM?OBM
Supply Ability	1000
Delivery Detail	one month

Detail Introduction :

Our Rear Axle Steering Series offers tailored configurations across multiple load classes:

3.0 Ton Rear Axle Steering Rough Terrain Forklift: Features a **3000 kg rated load**, a tight **1800 mm turning radius**, **4000 mm standard lifting height**, and a **42 kW Sida 490 engine**. Designed with a overall machine weight of **4960 kg** for optimum stability in tight agricultural spaces.

3.5 Ton Rear Swing Cabin Rough Terrain Forklift: Offers a **3500 kg rated load**, a **1800 mm turning radius**, a **55 kW Quanchai 490 turbocharged engine**, and high-pressure off-road pneumatic tires. Built with a compact body size (**3625×1835×2230 mm**) for supreme flexibility.

3.0 Ton & 3.5 Ton Rear Swing Rough Terrain Forklifts: Powered by a **36.8 kW Quanchai 495 turbocharged engine** with air-brake torque converters. Featuring a **2935 mm turning radius**, **245 mm ground clearance**, and lifting heights up to **3500 mm / 4000 mm**.

4.0 Ton Rear Swing Rough Terrain Forklift: Delivers a **4000 kg load capacity** with a Quanchai 495 common-rail engine, wheel-side cast steel axle, **3000 mm lifting height**, and a low overall weight of **5480 kg**.

5.0 Ton Rear Swing Rough Terrain Forklift: Heavy-duty agricultural model featuring a **5000 kg rated load**, **4000 mm lifting height**, a powerful **78 kW 4102 turbocharged engine**, and high-strength fast wheel-side reduction axles.

8.0 Ton Rear Swing Rough Terrain Forklift: High-capacity rough terrain loader built with an **8000 kg rated load**, a **96 kW Quanchai 4108 engine**, **270 mm high ground clearance**, and reinforced 28-axle system for extreme heavy material handling.

Category	Unit	3.0T Rear Axle	3.5T Rear Swing Cabin	3.0T Rear Swing	3.5T Re
Rated Load Capacity	kg	3000	3500	3000	3500

Min. Turning Radius	mm	1800	1800	2935	2935
Standard Lifting Height	mm	4000	3000	3500	4000
Engine Rated Power	kW	42	55	36.8	36.8
Min. Ground Clearance	mm	225	230	245	245
Gantry Tilt Angle (Front/Rear)	degree	Front 6° / Back 12°	Front 6° / Back 11°	Front 6° / Back 12°	Front 6° / Back 12°
Overall Weight	kg	4960	5080	4590	5410
Dimensions (L×W×H)	mm	3450×1920×2400	3625×1835×2230	3545×1920×2400	3545×1920×2400
Tire Model	—	20.5-16	20.5-16	20.5-16	20.5-16

Product Highlights & Key Features

Ultra-Small Turning Radius: Rear-axle steering layout dramatically reduces turning radius down to **1800 mm – 2935 mm**, allowing 180-degree maneuvers in tight farm sheds and narrow warehouse lanes.

High Ground Clearance: Ground clearances up to **270 mm** combined with deep-tread off-road tires easily clear mud, ruts, rocks, and unpaved terrain without bottoming out.

Powerful & Reliable Engines: Equipped with high-torque diesel engines (36.8 kW to 96 kW) paired with air-brake torque converters and wheel-side axles for smooth power transmission.

Heavy-Duty Mast Tilt: Gantry tilt angles of **Front 6° / Back 11°–12°** (up to **Front 10° / Back 12°** on 8T models) provide excellent stability when carrying heavy pallets over slopes.

Agile & Operator Friendly: Intuitive power steering, responsive hydraulic control levers, and excellent operator visibility make handling safe and effortless.

Product Applications

Agriculture & Farming: Transporting fruit crates, fertilizer bags, silage bales, and seed bags inside narrow greenhouses, barns, and orchards.

Timber & Sawmills: Moving heavy timber logs, wood pallets, and lumber through tight unpaved outdoor storage yards.

Construction & Site Work: Transporting bricks, concrete blocks, and mortar bags across muddy, uneven building sites.

Rural Warehousing: Handling cargo in unpaved logistics centers with narrow passageways.

Why Choose Us?

Factory Direct Supply: Direct manufacturer pricing with robust, field-tested components.

Purpose-Built for Agility: Engineered specifically to solve spatial limitations on farms and small job sites.

Durable & Low Maintenance: Built with heavy-duty cast steel axles and accessible maintenance points for easy servicing.

Global Support: Fast dispatch of spare parts and dedicated technical assistance.