

CPCY Series Heavy Duty All-Terrain Off-Road Forklift 3Ton to 10Ton Rough Terrain Forklift for Construction

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 CPCY Series offers a comprehensive product range to match varying operational load demands:

CPCY30 Off-Road Forklift (3.0 Ton Capacity): Compact yet powerful, featuring a **3000 kg rated load**, a **4000 mm standard lifting height**, and a powerful Huayu 490 turbocharged engine delivering **58 kW** for agile site handling.

CPCY35 Off-Road Forklift - 936Z (3.5 Ton Capacity): Designed for versatile site transport with a **3500 kg rated load**, **36.8 kW** engine output, wheel-side air brakes, and a **3000 mm dumping height**.

CPCY40 All-Terrain Forklift - 939 (4.0 Ton Capacity): Features a **4000 kg rated load**, **280 mm high ground clearance**, hydraulic torque converter transmission, and heavy-duty 1670-20 off-road pneumatic tires.

CPCY50 All-Terrain Forklift - 939 (5.0 Ton Capacity): Heavy-duty workhorse offering a **5000 kg rated load** (with maximum lifting up to 6000 kg), National IV 4102 turbocharged engine, and wide slant-shell wheel-side axles.

7T Heavy Off-Road Forklift (7.0 Ton Capacity): Built for intense bulk material movement, featuring a **7000 kg rated load** (8750 kg max lifting), reinforced 25-axle system, and **8200 kg machine weight** for high stability.

10T Heavy Off-Road Forklift (10.0 Ton Capacity): Our ultra-heavy capacity model boasting a **10,000 kg rated load**, 25-axle extended four-piston braking system, and front dual/rear single 11.00-20 off-road tires for maximum traction and heavy loading.

Category	Unit	CPCY30	CPCY35 (936Z)	CPCY40 (939)	CPCY50 (939)	7T Model
Rated Load Capacity	kg	3000	3500	4000	5000	7000
Overall Weight	kg	5140	4600	5850	7000	8200
Engine Rated Power	kW	58	36.8	36.8	36.8	36.8

Standard Lifting Height	mm	4000	3000	3000	3000	3000
Min. Ground Clearance	mm	215	—	280	230	230
Min. Turning Radius	mm	2165	4400	2680	2650	2650
Gantry Tilt Angle (Front/Rear)	degree	Front 6° / Back 12°	—	Front 7° / Back 12°	Front 6° / Back 12°	—
Tire Model	—	20.5/70-16	20.5/70-16	1670-20	16/70-20	16/70-20

Product Highlights & Key Features

Exceptional All-Terrain Mobility: High ground clearance (up to **280 mm**) combined with deep-tread off-road pneumatic tires ensures effortless driving across muddy, rocky, or uneven surfaces.

Robust Engine & Axle Construction: Powered by dependable turbocharged diesel engines paired with high-strength wheel-side reduction axles and hydraulic torque converters for maximum power transfer.

Reinforced Wide-View Mast: Features front 6° and back 12° tilt-angle gantry designs with high lifting stability and unobstructed operator visibility.

Heavy Payload & High Stability: Wide axle track widths (up to **1860 mm**) and long wheelbases provide a low center of gravity to safely handle heavy loads on inclines.

Ergonomic Operator Environment: Spacious operator cabin with low-noise engine dampening, intuitive controls, and responsive power steering for reduced fatigue during long shifts.

Product Applications

Construction & Infrastructure Sites: Moving concrete blocks, bricks, steel beams, scaffolding, and pipe work across muddy unpaved sites.

Mining & Quarry Operations: Transporting heavy equipment parts, aggregate bags, and raw materials over rough ground.

Agriculture & Timber Yards: Handling large timber logs, round hay bales, fertilizer bags, and heavy lumber pallets.

Ports & Outdoor Warehouses: Loading and unloading freight in unpaved container yards and rough material yards.

How to Use & Maintenance Guidelines

Pre-Operation Check: Inspect engine oil, hydraulic fluid, tire pressure, brake responsiveness, and fork lock pins before startup.

Startup & Warm-Up: Turn the ignition and let the diesel engine idle for 3–5 minutes to ensure hydraulic pressure stabilizes.

Driving & Load Transport: Keep the forks low (15–20 cm off the ground) while driving, slow down on unpaved curves, and engage low-speed high-torque mode on heavy inclines.

Lifting & Stacking: Align vertically with the target pile, tilt the gantry back slightly before raising, and gently dump or place pallets onto flat ground or truck beds.

Daily Maintenance: Clean mud from wheel axles and gantry tracks, grease all pivot points daily, and check fluid levels after each shift.

Why Choose Our CPCY Series?

Direct Factory Quality: Engineered with reinforced structural steel and proven componentry for long service life.

Complete Payload Range: Full spectrum from 3.0T to 10.0T to fulfill every scale of industrial or construction requirement.

Custom Configurations Available: Customizable lifting heights, specialized attachment couplers, side shifters, and cabin AC options upon request.

Reliable Global Service & Spare Parts: Quick global shipment for replacement parts and continuous technical support.