

Y Series Heavy Duty Diesel Rough Terrain Forklift 3.5Ton to 5Ton IC Counterbalanced Off-Road Forklift

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 Y Series product line offers three heavy-duty configurations built for high stability and power:

Y35 IC Counterbalanced Rough Terrain Forklift (3.5 Ton Capacity): Engineered for agile heavy lifting with a **3500 kg rated capacity**, **3000 mm standard lifting height**, **285 mm ground clearance**, and a **36.8 kW V28A-50C42 diesel engine**. Features a compact body length of **3235 mm** (without forks) for versatile site handling.

Y45 IC Counterbalanced Rough Terrain Forklift (4.5 Ton Capacity): Delivers an increased payload of **4500 kg** with a **600 mm load center distance**, **290 mm high ground clearance**, and a **3835 mm turning radius**. Powered by a **36.8 kW diesel engine** designed for heavy material stacking.

Y50 IC Counterbalanced Rough Terrain Forklift (5.0 Ton Capacity): The heavy-duty flagship model featuring a **5000 kg rated capacity**, **325 mm high ground clearance**, **36.8 kW V35A-50C42 diesel engine**, and wider 16/70-20 pneumatic tires for maximum stability on unpaved surfaces.

Category	Unit	Y35	Y45	Y50
Power Type	—	Diesel Oil	Diesel Oil	Diesel Oil
Rated Lifting Capacity	kg	3500	4500	5000
Load Center Distance	mm	500	600	500
Engine Model	—	V28A-50C42	V28A-50C42	V35A-50C42
Engine Rated Power	kW	36.8	36.8	36.8
Rated Speed	r/min	2400	2400	2400

Standard Lifting Height	mm	3000	3000	3000
Min. Ground Clearance	mm	285	290	325
Min. Turning Radius	mm	3720	3835	4325
Gantry Tilt Angle (Front/Rear)	degree	Front 10° / Back 12°	Front 10° / Back 12°	Front 10° / Back 12°
Max. Driving Speed (Full Load)	km/h	28	28	—
Max. Climbing Slope (Full Load)	%	30	30	30
Overall Weight	kg	5390	5430	7500
Length (Without Fork)	mm	3235	3315	3755
Overall Width	mm	1590	1590	1840
Roof Guard Height	mm	2370	2425	2585
Tire Type / Size (Front & Rear)	—	Pneumatic / 12-16.5	Pneumatic / 20.5	Pneumatic / 16/70-20

Product Highlights & Key Features

Heavy-Duty Diesel Power: Powered by high-torque V28A/V35A series diesel engines operating at 2400 r/min, providing steady climbing power (**30% max slope capability**) and smooth lifting performance.

High Ground Clearance: Exceptional ground clearances of **285 mm to 325 mm** allow the chassis to clear rocks, mud ruts, and uneven job site obstacles easily.

Rugged Pneumatic Off-Road Tires: Large pneumatic tires (up to 16/70-20) ensure high traction, vibration absorption, and stability over loose gravel and muddy terrain.

High Stability Counterbalanced Chassis: Low center of gravity paired with a wide track width (**1260 mm to 1480 mm**) ensures secure lifting and carrying on uneven slopes.

Wide-View Gantry Mast: Features a $10^{\circ} / 12^{\circ}$ front/back gantry tilt angle for safe load handling on inclines, providing operators with clear forward visibility.

Ergonomic Operator Station: Seated driving style with overhead guard protection (**up to 2585 mm guard height**), clear dashboard display, and intuitive hydraulic control levers.

Product Applications

Construction & Infrastructure: Moving heavy concrete blocks, steel rebar, timber beams, and masonry materials across unpaved building sites.

Stone Quarries & Mining: Transporting stone slabs, heavy machinery parts, and aggregate bags over rough terrain.

Timber Yards & Sawmills: Carrying heavy lumber pallets, timber logs, and wood packaging.

Ports & Heavy Storage Yards: Loading and unloading heavy freight containers and machinery in outdoor gravel storage yards.

Why Choose Our Y Series?

Factory Direct Value: Robust industrial manufacturing delivering premium performance at competitive factory-direct pricing.

Heavy-Duty Structural Durability: Reinforced gantry frames, high-strength drive axles, and heavy-duty counterweights built for long operational service lives.

Easy Maintenance Access: Accessible engine hood and centralized hydraulic service points simplify routine daily maintenance.

Global After-Sales Support: Rapid global spare parts delivery and direct technical assistance.