

YE Series 3Ton Lithium Electric Off-Road Forklift Eco-Friendly Battery Powered Rough Terrain 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 YE Series lineup highlights sustainable innovation engineered for maximum site productivity: **YE30 Lithium Battery Electric Off-Road Forklift (3.0 Ton Capacity):** Powered by an advanced **153.6V/280Ah lithium-ion battery pack**, featuring a **20 kW drive motor** and a **22.6 kW oil pump motor**. Built with a **3000 kg rated capacity**, a **500 mm load center**, a **3000 mm standard 2-stage lifting height**, and a **250 mm high ground clearance**, the YE30 delivers a top driving speed of **20 km/h** with smooth, instant responsiveness.

Category	Unit	YE30 Lithium Electric Model
Power Type	—	Lithium Battery
Rated Load Capacity	kg	3000
Load Center Distance	mm	500
Wheelbase	mm	1800
Overall Weight	kg	4880
Battery Voltage / Capacity	V / Ah	153.6V / 280Ah
Drive Motor Power	kW	20

Oil Pump Motor Power	kW	22.6
Max. Driving Speed	km/h	20
Max. Lifting Speed	m/s	0.4
Standard Lifting Height	mm	3000 (2-Stage)
Min. Ground Clearance	mm	250
Min. Turning Radius	mm	3375
Gantry Tilt Angle (Front/Rear)	degree	Front 10° / Back 12°
Dimensions Without Fork (L×W×H)	mm	2820×1532×2230
Front Tire Model (Pneumatic)	—	11.5/80-15.3
Rear Tire Model (Pneumatic)	—	27X10-12/8.00

Product Highlights & Key Features

Eco-Friendly & Zero Emissions: Pure lithium-electric drive completely eliminates exhaust emissions and significantly reduces operational noise, making it ideal for farms, food handling, greenhouses, and eco-sensitive job sites.

High-Voltage Lithium Battery Power: Equipped with a high-capacity **153.6V/280Ah lithium battery**, offering fast charging capability, long cycle life, and zero routine battery maintenance compared to lead-acid batteries.

Dual Motor Efficiency: Separate **20 kW drive motor** and **22.6 kW hydraulic pump motor** ensure dedicated power distribution for travel speed (**20 km/h**) and lifting speed (**0.4 m/s**) without power loss.

Exceptional All-Terrain Clearance: Features a **250 mm minimum ground clearance** and large pneumatic off-road tires (Front 11.5/80-15.3, Rear 27X10-12/8.00) to cross mud, gravel, and rough surfaces effortlessly.

Compact Footprint & Agile Turning: Compact body dimensions (**2820×1532×2230 mm** without forks) and a **3375 mm turning radius** allow smooth navigation through tight storage lanes and farm buildings.

Wide Gantry Vision & Tilt Angle: Gantry tilt angles of **Front 10° / Back 12°** provide optimal stability and load security on unpaved slopes.

Product Applications

Agriculture & Greenhouses: Moving fruit/vegetable crates, seedling trays, manure, and fertilizer bags inside enclosed greenhouses and organic farms without exhaust fumes.

Food & Beverage Logistics: Transporting palletized goods in noise-restricted and emission-sensitive food processing plants or outdoor storage yards.

Urban & Eco-Construction Sites: Site cleanup, backfilling, and building material transport in low-emission urban construction zones.

Indoor & Outdoor Integrated Warehouses: Seamlessly transitioning between outdoor unpaved yards and indoor storage bays without changing machinery.

Why Choose Our YE Series?

Lower Total Cost of Ownership (TCO): Save up to 70–80% on energy costs compared to diesel forklifts, with zero engine oil, filter, or belt replacement expenses.

Factory Direct Quality: Built with high-tensile structural steel, heavy-duty axles, and IP-rated electric components for long operational life in harsh outdoor weather.

Quiet & Operator Friendly: Low vibration and quiet electric operation drastically reduce operator fatigue and improve job site safety awareness.

Reliable Technical Support: Fast global delivery of spare electrical parts and direct online technical assistance.