



**ROUGH TERRAIN &
WAREHOUSE HANDLING EQUIPMENT**

Forklifts, Pallet Trucks and Stackers

INDUSTRIAL MATERIAL HANDLING SERIES

ROUGH TERRAIN FORKLIFT 3.0 TON

All-Wheel-Drive Outdoor Material Handling

All-Wheel Drive

Large off-road tyres and high ground clearance support operation on uneven outdoor surfaces.

Articulated Frame

Frame articulation and simple steering improve manoeuvrability in demanding work areas.

Flexible Operation

Designed for stable climbing, controlled acceleration and outdoor load handling.



TECHNICAL SPECIFICATIONS

Parameter	Unit	Specification	Parameter	Unit	Specification
Engine	-	Yunnei / Xichai 490	Door-frame thickness	cm	14.5
Lifting height	m	3-7 (customisable)	Counterweight	-	Standard weight
Transfer method	-	Automatic continuously variable transmission	Brake	-	Air brake
Gearbox	-	265 dual high/low-speed torque converter	Tyre	-	20.5/70-16
Drive axle	-	Cast-steel bridge with small wheels	Vehicle weight	kg	3500
Seat	-	Luxury seat			

ROUGH TERRAIN FORKLIFT 3.5 TON

Heavy-Duty Outdoor Forklift

All-Wheel Drive

Wide-base off-road tyres provide traction and ground clearance on disturbed surfaces.

Robust Chassis

A reinforced frame supports demanding outdoor material-handling duties.

Operator Comfort

Enclosed cab, ergonomic controls and wide visibility support longer work cycles.



TECHNICAL SPECIFICATIONS

Parameter	Unit	Specification	Parameter	Unit	Specification
Engine	-	Yunnei / Xichai 490	Door-frame thickness	cm	14.5
Lifting height	m	3-7 (customisable)	Counterweight	-	Standard weight
Transfer method	-	Automatic continuously variable transmission	Brake	-	Air brake
Gearbox	-	265 dual high/low-speed torque converter	Tyre	-	20.5/70-16
Drive axle	-	Cast-steel bridge with small wheels	Vehicle weight	kg	3500
Seat	-	Luxury seat			

ROUGH TERRAIN FORKLIFT 3.5 TON - SHORT SHAFT

Compact Wheelbase Configuration

Compact Configuration

Short-shaft layout provides a more compact operating envelope.

Outdoor Mobility

Large engineering tyres and increased ground clearance suit rough work surfaces.

Durable Structure

Thick forward/backward tilt cylinder and reinforced mast support heavy-duty cycles.



TECHNICAL SPECIFICATIONS

Parameter	Unit	Specification	Parameter	Unit	Specification
Engine	-	Huajie 490-40 kW (optional Yunnei/Xichai)	Drive axle	-	Cast-steel bridge with small wheels
Transfer method	-	Automatic continuously variable transmission	Tyre	-	Medium 20.5/70-16
Lifting height	m	3 (customisable)	Counterweight	-	Increased counterweight
Mast width	cm	16	Brake	-	Air brake
Minimum ground clearance	cm	26	Shipping dimensions	mm	3800 x 1850 x 2350
Gearbox	-	265 dual high/low-speed torque converter	Vehicle weight	kg	3500

ROUGH TERRAIN FORKLIFT 3.5 TON - LOW PROFILE

Reduced Overall Height for Restricted Areas

Low-Profile Design

Reduced-height configuration supports access beneath limited-clearance structures.

High Ground Clearance

Off-road chassis retains mobility over uneven terrain.

Safety and Visibility

Cab design, mirrors and wide mast field of view support controlled handling.



TECHNICAL SPECIFICATIONS

Parameter	Unit	Specification	Parameter	Unit	Specification
Engine	-	Huajie 490-40 kW (Yunnei/Xichai)	Drive axle	-	Cast-steel bridge with small wheels
Transfer method	-	Automatic continuously variable transmission	Tyre	-	Medium 20.5/70-16
Lifting height	m	3 (customisable)	Counterweight	-	Increased counterweight
Mast width	cm	16	Brake	-	Air brake
Minimum ground clearance	cm	26	Shipping dimensions	mm	4200 x 1800 x 2150
Gearbox	-	265 dual high/low-speed torque converter	Vehicle weight	kg	3500

HAND PALLET TRUCK

Manual Pallet Transport Series

Anti-Rollover Steering

Wide steering movement supports easy manoeuvring and controlled travel.

Simple Operation

Foot pedal and handle controls support lifting and lowering.

Durable Construction

Forged integral lifting arm and reinforced load components increase service life.



TECHNICAL SPECIFICATIONS

Parameter	Unit	Specification	Parameter	Unit	Specification
Rated load	kg	2000/2500 (AC), 3000/3500 (BF), 5000 (WF)	Overall height	mm	1210/1190
Height when lowered	mm	85	Overall length	mm	1540/1610
Rear wheel size	mm	180 x 50 / 160 x 50	Triangular length	mm	390
Front wheel size	mm	80 x 70	Outside fork width	mm	550/685
Climbing wheel size	mm	50 x 25	Fork size	mm	1150(1120) x 160 x 50
Number of ground wheels	-	2/4/2	Wheelbase	mm	1120/1200
Lifting height	mm	200	Self-weight	kg	50-130



MANUAL HYDRAULIC STACKER

Manual Lift and Travel Stacker

C-Shaped Mast Steel

Thickened mast sections support stable lifting.

Adjustable Forks

Fork spacing adjusts for different pallet sizes.

Dual Operation

Hand and foot controls improve lifting efficiency and operator flexibility.



TECHNICAL SPECIFICATIONS

Parameter	Unit	Specification	Parameter	Unit	Specification
Driving style	-	Manual	Overall maximum width	mm	950
Rated load	kg	1000 / 2000 / 3000	Fork outside width	mm	340-990
Load-centre distance	mm	500	Overall length	mm	1700
Fork height when lowered	mm	90	Turning radius	mm	1455
Maximum height during gantry operation	mm	1950	Self-weight	kg	165 / 188 / 235
Lifting height	mm	1600	Wheels	-	Nylon

SEMI-ELECTRIC STACKER

Powered Lifting with Manual Travel

Maintenance-Free Battery

Electric lifting reduces manual effort during repetitive stacking.

Reinforced Chain

Heavy-duty lifting plate chain supports stable mast operation.

Reinforced Forks

Welded fork structure is designed to resist deformation under rated loads.



TECHNICAL SPECIFICATIONS

Parameter	Unit	Specification	Parameter	Unit	Specification
Driving style	-	Manual travel / electric lift	Load-bearing leg size	mm	990 x 100 x 50
Load-centre distance	mm	500	Turning radius	mm	1455
Front overhang	mm	820	Lift speed, full/no load	m/s	0.08/0.10 adjustable
Front and rear wheelbase	mm	1300	Descending speed, full/unloaded	m/s	0.15/0.12 adjustable
Lifting height	mm	1600/2000/2500/3000/3500	Service brake	-	Mechanical brake
Overall length	mm	1765	Motor power	kW	1.6
Handle height from ground	mm	1155			



WALKIE ELECTRIC STACKER

Powered Travel and Powered Lifting

Electric Drive

Powered travel and lifting support efficient pallet movement.

Multifunction Handle

Integrated travel, lift and lowering controls simplify operation.

Protected Mast

Reinforced protective net and C-shaped mast guide support safer handling.



TECHNICAL SPECIFICATIONS

Parameter	Unit	Specification	Parameter	Unit	Specification
Rated load	kg	1000/1500	Total height with mast raised	mm	2545
Lifting height	mm	1600/2000/2500/3000/3500	Lifting motor	kW	2.2
Load centre	mm	550	Drive motor	kW	0.75
Turning radius	mm	1450	Electronic control	-	Curtis 1212P
Overall body length	mm	1750	Battery capacity	V/Ah	2 pcs 12 V 85 Ah
Overall body width	mm	810	Mast guide rail	-	12#/8 mm C-shaped manganese steel
Static vehicle height	mm	1580	Self-weight	kg	486

STAND-ON SEMI-ELECTRIC STACKER

Operator Platform Configuration

Stand-On Operation

Foldable operator platform supports efficient medium-distance movement.

Electric Lift System

Battery-powered lifting supports repeated stacking cycles.

Protective Mast Structure

Reinforced mast net, chain and cylinder support stable operation.



TECHNICAL SPECIFICATIONS

Parameter	Unit	Specification	Parameter	Unit	Specification
Power unit	-	Battery	Tyre material	-	Polyurethane
Driving style	-	Stand-up	Maximum no-load speed	km/h	5.5
Rated load	kg	1000-2000	Maximum no-load lifting speed	mm/s	75
Load centre	mm	500	Maximum no-load descending speed	mm/s	45
Lifting height	mm	1600/2000/2500/3000/3500	Travel motor power	kW	1.5 full exchange / 0.75
Vehicle height from ground	mm	30	Lift motor power	kW	2.2
Vehicle width	mm	810	Battery voltage/capacity	V/Ah	24/120 x 2 pcs

COMPACT REMOTE-CONTROL STACKER

Simple-Style Lithium Battery Model

Compact Frame

Narrow body design supports use in limited spaces.

Remote-Control Operation

Remote-control manual operation supports flexible load positioning.

Lithium Battery

Compact battery system provides clean electric operation.



TECHNICAL SPECIFICATIONS

Parameter	Unit	Specification	Parameter	Unit	Specification
Model	-	1000	Own weight	kg	205
Rated load	kg	1000	Lifting height	-	Customisable
Transfer method	-	Rack and pinion	Remote-control distance	m	25
Operation method	-	Remote-control manual	Fork outer width	mm	565
Battery specification	V/Ah	48/15	Fork lifting height	mm	1300
Motor power	W	700	Fork inner width	mm	240
Battery type	-	Lithium battery	Fork working length	mm	1170



COMPACT FULLY ELECTRIC STACKER

Walk-Behind Electric Configuration

Fully Electric Operation

Electric travel and lifting reduce operator effort.

Electromagnetic Brake

Automatic braking supports controlled stopping.

Compact Chassis

Small footprint supports work in narrow warehouse spaces.



TECHNICAL SPECIFICATIONS

Parameter	Unit	Specification	Parameter	Unit	Specification
Driving style	-	Walk-behind	Service brake	-	Electromagnetic
Rated load	kg	1000/1200	Drive motor power	kW	0.75
Load-centre distance	mm	400	Lift motor power	kW	2.0
Lifting height	mm	900/1100/1300/1500	Battery voltage/rated capacity	V/Ah	48/25 (optional 30 Ah)
Fork size	mm	600	Drive mode	-	Electric battery
Fork outer width	mm	10	Steering method	-	Mechanical