



13.5-16T

IDF150

IAUTA
DIESEL
FORKLIFT

X series



EFFICIENT HYDRAULICS

Dual-pump system boosts lifting speed and work efficiency.

POWERFUL ENGINE

Low-speed, high-torque diesel engine meets US and EU emission standards.

SMART GEARBOX

Automatically adjusts shifting for easier, safer operation.

RELIABLE BRAKES

Oil-cooled wet brakes ensure long-lasting performance.

PRECISE STEERING

Horizontal steering axle offers accurate control in tough conditions.

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Anatomy Of Internal Combustion Forklift



High-mounted exhaust system

The high-mounted exhaust system ensures safety by directing harmful fumes away from operators and reducing the risk of ground-level damage, while the efficient oil filter extends engine life by removing impurities and minimizing wear



Comfortable Seat

The Toyota forklift seat offers ergonomic support with adjustable lumbar and suspension systems for comfort, plus safety features like a retractable belt and side bolsters



Control levers

The control levers are ergonomically designed for easy access and precise operation, enhancing efficiency and reducing operator fatigue.



Yucai YC6J150

Yuchai engine features of ample power, excellent fuel efficiency, low vibration and emission, high reliability, Compact in design, light in weight.



Central electrical box

Integrated design of electrical circuit, fuses and relays are concentrated in the electrical box, and there are backup fuses; Located inside the hood, it is waterproof and dust-proof, with reliable connection and convenient maintenance.



Electrical System H-layout

The harness layout is neat and beautiful, and the maintenance is convenient; The vehicle body at both sides of the electrical parts is fixed and balanced firmly, The harness is shorter, without unnecessary bending, and the conductivity is higher.

X-SERIES 13.5-16.0 TON DIESEL FORKLIFT

BASIC TECHNICAL PARAMETERS

Model		IDF135	IDF150	IDF160
Power type		diesel	diesel	diesel
Lift capacity	(kg)	13 500	15 000	16 000
Load center distance	(mm)	600	600	600
Battery (Voltage/Capacity)	(V/Ah)	12/80	12/80	12/80
Min.ground clearance	(mm)	270	270	270
Wheel base	(mm)	3150	3300	3300

PERFORMANCE PARAMETERS

Max.lift height	(mm)	3000	3000	3000
Mast tilt angle(front/rear)	(°)	6/12	6/12	6/12
Max.lift speed(full load/no load)	(mm/s)	220/280	240/300	240/300
Max.travelling speed(full load/no load)	(km/h)	23/28	22/30	22/30
Min.turning radius	(mm)	4600	4700	4700
Gradeability (full load/no load)	(%)	20/22	20/22	20/22
Max.traction force	(KN)	110	120	120
Overweight	(kg)	17 500	18 000	18 000

DIMENSIONS

Length(without fork)	(mm)	4930	5600	5600
Width	(mm)	2350	2350	2350
Height of mast	(mm)	2970	2990	2990
Overall height (overhead guard)	(mm)	2760	2780	2780
Overall height at max.lift	(mm)	6530	6660	6660
Front wheel tread	(mm)	1680	1680	1680
Rear wheel tread	(mm)	1760	1760	1760

OTHER PARAMETERS

Front tires		12.00-20	12.00-20	12.00-20
Rear tires		11.00-20	12.00-20	12.00-20
Tires Qty (Front/rear)		4/2	4/2	4/2
Fork size(L*W*H)	(mm)	1600×180×90	1800×200×90	1800×200×90
Driving Brake		Hydraulic clamp disc	Hydraulic clamp disc	Hydraulic clamp disc
Transimission gears (Front/rear)		2/2	2/1	2/1

ENGINES

Engine model		Yucai YC6J150	Yucai YC6J150	Yucai YC6J150
Rated power	(kW/r)	110/2200	110/2200	110/2200
Rated torque	(N.m/r)	600/1600~1800	600/1600~1800	600/1600~1800
Number of cylinders		6	6	6
Displacement	(cc)	6494	6494	6494