



10-12T

IDF120

IAUTA
DIESEL
FORKLIFT

X series



POWERFUL PERFORMANCE

Equipped with a domestic 6-cylinder turbocharged engine, providing strong power, low fuel consumption, and easy cold start capabilities.

HIGH-QUALITY GEARBOX

Features a low-noise, stable performance gear transmission, perfect for high-efficiency work environments.

EFFICIENT CHASSIS DESIGN

Includes a double reduction drive axle for enhanced performance and a spacious design that improves operator comfort and visibility.

IAUTA(QUANZHOU) MACHINERY CO., LTD.



+86 15396309252



info@iautamech.com



www.iautamech.com



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 YC6J125

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 10.0-12.0 TON DIESEL FORKLIFT

BASIC TECHNICAL PARAMETERS

Model		IDF100	IDF120
Power type		diesel	diesel
Lift capacity	(kg)	10 000	12 000
Load center distance	(mm)	600	600
Battery (Voltage/Capacity)	(V/Ah)	12/80	12/80
Min.ground clearance	(mm)	250	250
Wheel base	(mm)	2800	3000

PERFORMANCE PARAMETERS

Max.lift height	(mm)	2300	2300
Mast tilt angle(front/rear)	(°)	6/12	6/12
Max.lift speed(full load/no load)	(mm/s)	220/280	220/280
Max.travelling speed(full load/no load)	(km/h)	23/28	23/28
Min.turning radius	(mm)	4150	4350
Gradeability (full load/no load)	(%)	20/22	20/22
Max.traction force	(KN)	80	100
Overweight	(kg)	13 000	15 000

DIMENSIONS

Length(without fork)	(mm)	4310	4510
Width	(mm)	1940	2020
Height of mast	(mm)	2220	2230
Overall height (overhead guard)	(mm)	2210	2220
Free lift	(mm)	1225	1225
Height of load-backrest	(mm)	1225	1225
Overall height at max.lift	(mm)	5830	6030
Front wheel tread	(mm)	1430	1470
Rear wheel tread	(mm)	1670	1670
Front overhang	(mm)	759	759

OTHER PARAMETERS

Front tires		8.25-20-18PR	9.00-20-18PR
Rear tires		8.25-20-18PR	9.00-20-18PR
Tires Qty (Front/rear)		4/2	4/2
Fork size(L*W*H)	(mm)	1520×150×80	1520×180×80
Driving Brake		Hydraulic clamp disc	Hydraulic clamp disc
Transimission gears (Front/rear)		2/2	2/2

ENGINES

Engine model		Yucai YC6J125-T300	Yucai YJ6J125-T300
Rated power	(kW/r)	97/2200	97/2200
Rated torque	(N.m/r)	520/1400-1600	520/1400-1600
Number of cylinders		6	6
Displacement	(cc)	6494	6494

CONTOUR

