



18-25T

IDF180

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.

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.



Yuchai YC6J175

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-ayout

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.

BASIC TECHNICAL PARAMETERS				
Model		IDF180	IDF200	IDF160
Power type		diesel	diesel	diesel
Lift capacity	(kg)	18 000	20 000	25 000
Load center distance	(mm)	900	1250	1250
Min.ground clearance	(mm)	270	270	350
Wheel base	(mm)	3800	4000	4400
PERFORMANCE PARAMETERS				
Max.lift height	(mm)	3500	3500	4000
Mast tilt angle(front/rear)	(°)	6/12	6/12	6/12
Max.lift speed(full load/no load)	(mm/s)	240/300	260/270	260/270
Max.travelling speed(full load/no load)	(km/h)	22/30	26/30	25/30
Min.turning radius	(mm)	5300	5600	6100
Gradeability (full load/no load)	(%)	20/22	20/22	20/22
Max.traction force	(KN)	130	140	160
Overweight	(kg)	25 000	26 000	33 500
DIMENSIONS				
Length(without fork)	(mm)	5600	6000	6550
Width	(mm)	2750	2930	3060
Height of mast	(mm)	3500	3500	3970
Overall height (overhead guard)	(mm)	3220	3300	3440
Overall height at max.lift	(mm)	7400	8000	8950
Front wheel tread	(mm)	2050	2200	2200
Rear wheel tread	(mm)	2130	2130	2130
OTHER PARAMETERS				
Front tires		12.00-24	14.00-24-20PR	14.00-24
Rear tires		12.00-24	12.00-20-20PR	14.00-24
Tires Qty (Front/rear)		4/2	4/2	4/2
Fork size(L*W*H)	(mm)	1800×240×90	2200×220×100	2400×300×100
Driving Brake		Hydraulic clamp disc	Hydraulic clamp disc	Hydraulic clamp disc
Transimission gears (Front/rear)		2/1	2/1	2/1
ENGINES				
Engine model		Yuchai YC6J175	WEICHAI WP10G220	WEICHAI WP10G220
Rated power	(kW/r)	129/2200	162/2000	162/2000
Rated torque	(N.m/r)	710/1600~1800	980/1300-1500	980/1300-1500
Number of cylinders		6	6	6
Displacement	(cc)	6494	9726	9726