



HEAVY DUTY FORKLIFT SERIES

HNF120S 12 TON FORKLIFT



**SOCMA POWER
LIFT YOUR BUSINESS**

FUJIAN SOUTHCHINA HEAVY MACHINERY MANUFACTURE CO., LTD

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HNF120S HEAVY-DUTY FORKLIFT



Engine

Standard with a well-known brand turbocharged diesel engine, offering high torque, low fuel consumption, stable performance, and high reliability. Optional Cummins, Volvo, and other international brands are available. Emission standards can meet EU Stage V, US EPA Tier 4, China National IV, and National III requirements.

The power system is equipped with an air-to-air intercooler, reducing engine intake temperature, increasing air intake, and increasing engine power.

Equipped with top-tier hydraulic transmission, optional micromotion function, automatic adaptability, and excellent controllability.



Transmission

Standard with a domestically renowned brand planetary transmission, smoother shifting, safer operation, and more convenient maintenance. Optional German imported ZF transmission is available.

Using a dual-turbine hydraulic torque converter, stepless speed change, and single-lever control speed change system for easier operation.

The transmission control valve is equipped with a neutral start device, making the complete machine start safer.

Hydraulic System

Full hydraulic load-sensing steering system, small turning radius of the rear steering axle, light and flexible steering.

Using a dual-pump confluence working hydraulic system, significantly reducing fuel consumption and energy consumption.

The hydraulic system is equipped with a return oil cooler and back pressure protection device to ensure the complete machine thermal balance.

Single handle control valve and electronically controlled speed change control valve make the complete machine operation lighter and more flexible.



Drive Axle

Standard with Huanan Heavy Industry heavy forklift drive axle, strong overload bearing capacity, good commonality of maintenance parts, and optional German imported Kessler wet drive axle.

The front axle uses a heavy forklift drive axle, with increased size of the axle housing, hub, and bearing, and a steel structure axle housing support, offering large load capacity and long service life.

The rear axle uses a transverse hydraulic cylinder type steering mechanism, compact steering axle structure, steering angle up to 70.5°, advantageous to reducing steering resistance and improving driving smoothness.



TECHNICAL PARAMETER

Items		Unit	HNF-120S
Features	Rated Load	t	12
	Load center	mm	600
	D Wheelbase	mm	3000
	Weight	kg	15000
Chassis	Tyre Specs:Front	-	9.00X20/16PR
	Tyre Specs:Rear	-	9.00X20/14PR
	Tyres Qty,front/rear(X-drive wheels)	-	4\2
	Wheel tread:Front	mm	1690
	Wheel tread:Rear	mm	1960
Dimension	Mast/carriage tilt angle(front/rear)	°	6\12
	I Mast height(fork lowering)	mm	2850
	P Mast lifting height	mm	3000
	Q Max.lifting height	mm	4360
	Height to head guard(height to cab)	mm	2850
	E Overall length(without forks)	mm	4410
	L Overall width	mm	2250/2200
	Fork dimension	mm	1200X180X80
	Fork carriage width	mm	2200
	Mast min ground clearance(with load)	mm	210
	Wheelbase center min ground clearance	mm	300
	K Min.Turning radius	mm	5100
	Travel speed(loaded/unloaded)	km/h	21/25
	Max.lifting speed(with load/without load)	mm/s	310/340
	Max. Lowering speed (with load/without load)	mm/s	450/300
Performance	Traction	kN	70
	Gradeability(with load/without load)	%	25/40
	Driving brake	-	Hydraulic clamp
	Engine (Stage V)	-	Yuchai engine
	model - YYC6J150-T301	-	YYC6J150-T301
Engine	Rated output/ Speed kW/rpm 90/2200	kW/rpm	90/2200
	Engine (EU stage V)	-	Yuchai engine
	model - AW16FO	-	AW16FO
	Rated output/ Speed kW/rpm 110/2200	kW/rpm	110/2200
	Cylinder No.	L	5
	Transmission gears(Front/rear)		2\2

Note: The above data are subject to change without prior notice



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