



# A Series IC Forklift Truck For Work In Stone Industry

with capacities of 12,000kg



**HANGCHA GROUP CO., LTD.**

**Factory site:** 666 Xiangfu Road,  
Hangzhou, Zhejiang, China (311305)

Tel: +86-571-88926735 88926755  
Fax: +86-571-88926789 88132890

sales@hcforklift.com  
www.hcforklift.com



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ISO14001  
ISO14001:2015



ISO9001  
ISO9001:2015



HANGCHA trucks conform  
to the European Safety  
Requirements.

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# A Series IC Forklift Truck For Work In Stone Industry

The A series 12t forklift is a customized model developed for the operating environment and conditions of the stone market. Featuring strong power, high resistance to dust, high resistance to impact, a large load capacity, etc., it is suitable for the heavy-duty operating conditions of the stone market.

## Mature/ Reliable



## The Yuchai common rail engine has strong power and low fuel consumption

- / High torque at low speeds, good performance of acceleration at medium and high speeds.
- / Bosch's non-road special common rail system has good oil adaptability.
- / A long oil change interval enables a low use cost.



Yuchai common rail engine

## A special gearbox of a domestically renowned brand

- / The customized 16t special gearbox has a large capacity, high efficiency and good traction performance.
- / The PTO outputs high torque and can be matched with a large-displacement gear pump.
- / The electronic steering provided for the standard configuration makes operations easier.



The integrated electrical box can be maintained easily

## Domestic heavy-duty caliper drive axle

- / The caliper brake provides fully hydraulic power braking and large braking force.
- / The integrally-cast axle housing has good strength.
- / With a main gearbox for heavy-duty trucks, mature and reliable.
- / The input shaft cable-type central parking brake is simple and reliable and can be operated easily.



With the LCD instruments to display the relevant information of the vehicle to facilitate troubleshooting, the running status of the vehicle can be monitored

## Easy maintenance

- / The wide-open hood, water tank lid, left and right hood side panels, and front bottom panel can be removed easily.
- / A cloud smart module provided for the standard configuration enables remote control and diagnosis.



The enhanced mast, frame and steering axle improve the impact resistance of the vehicle



Double paper air filters are used to enable cleaner air intake of the engine and longer service life of the engine

## Standard Specification

- / Standard seat
- / Standard fork
- / Standard fork carriage
- / Standard overhead guard
- / Rainproof overhead guard cover
- / Duplex wide-view mast
- / Vehicle toolkit
- / Traction device
- / High-position exhauster
- / Electro-hydraulic steering
- / Fully hydraulic power steering
- / Hydraulic power braking
- / Neutral gear safety switch
- / Main power switch
- / Steering wheel adjusting device
- / Cable-type stop brake
- / Anti-skid boarding step
- / Boarding handle
- / Double multi-way valve
- / Double paper air filters
- / Rearview mirror
- / Engine hood gas spring
- / Hydraulic oil level meter
- / Self-locking valve in the tilting fuel circuit
- / Speed limit valve in the lifting fuel circuit
- / Water temperature meter
- / Hydraulic oil suction filter cartridge
- / Hydraulic oil heat dissipater
- / Large toolkit
- / Electric horn
- / Reverse buzzer
- / Combination headlight
- / Front work light
- / Combination tail light
- / Tilt cylinder jacket
- / Engine hour counter
- / Oil gauge
- / Preheating indicator
- / Charge indicator
- / Engine oil pressure alarm light
- / Oil-water separator indicator
- / Electric flameout



## Applicable to the dusty and heavy-duty operating conditions of the stone market

- / A wet drive axle and a high-mounted drive are used. The fully enclosed structure can avoid the excessive wear of the brake friction disc of the brake and oil leakage in seals.
- / A steering cylinder jacket and a tilt cylinder jacket are provided to prolong the service life of the cylinders.
- / The high-power heat dissipation system with an independent hydraulic oil heat dissipater is applicable to heavy-duty operating conditions.

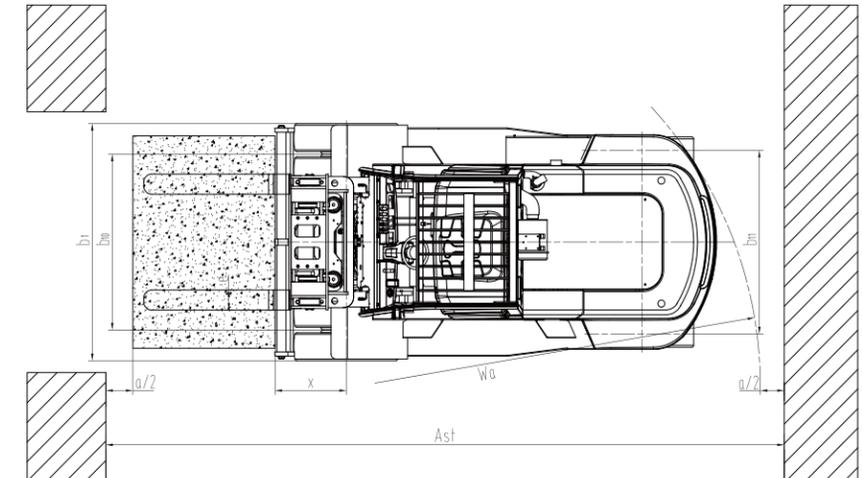
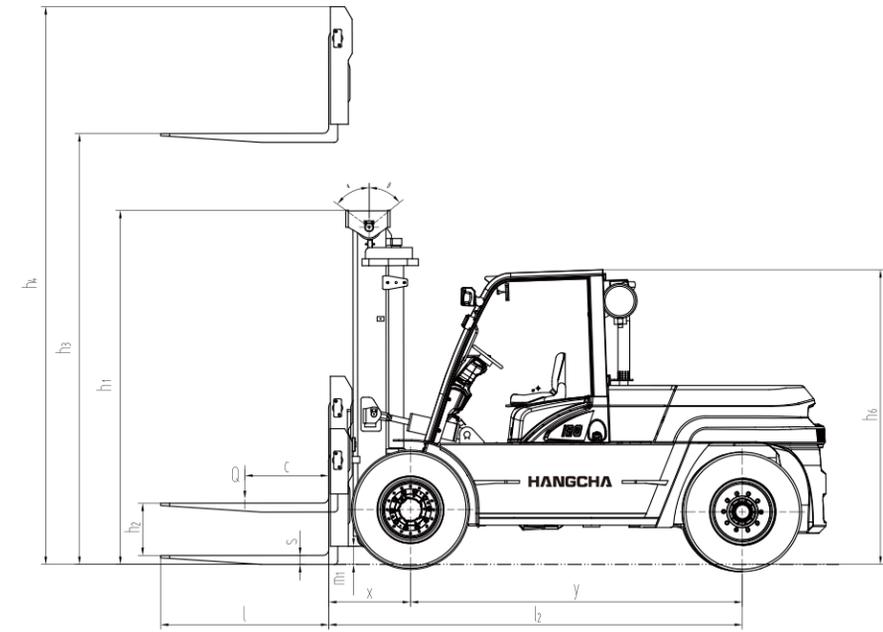
## Options

- / Cab
- / Cab heater
- / Cab air conditioner
- / Solid tire
- / User specified color
- / Suspended safety seat
- / Fuel tank cap locked
- / Exhaust fire protection device
- / Alarm light
- / Fire extinguisher
- / Blue light
- / Rear operation lights
- / Independently-adjustable hydraulic fork
- / Quintuple valve
- / Reversing radar
- / 4-probe visual reverse system



## A Series 12t IC Forklift Truck For Work In Stone Industry Specification

Distinguishing mark	1.1	Manufacturer		HANGCHA GROUP CO.,LTD.	
	1.2	Manufacturer's type designation		CPCD120-XRG57-S	
	1.3	Drive: electric(battery or mains), diesel, petrol, fuel gas		Diesel	
	1.4	Operator type: hand, pedestrian, standing, seated, order-picker		Seated	
	1.5	Rated capacity/rated load	Q (kg)	12000	
	1.6	Load centre distance	c (mm)	600	
	1.8	Load distance, centre of drive axle to fork	x (mm)	730	
	1.9	Wheelbase	y (mm)	2950	
	Weight	2.1	Service Weight	kg	14950
2.2		Load distribution, laden, front/rear	kg	24670/2280	
2.3		Load distribution, unladen, front/rear	kg	7065/7885	
Tyres, chassis	3.1	Tyres: solid rubber, superelastic, pneumatic, polyurethane		Pneumatic	
	3.2	Tyre size, front		10.00-20-18PR	
	3.3	Tyre size, rear		10.00-20-18PR	
	3.5	Wheels, number front / rear (x = driven wheels)		4×/2	
	3.6	Tread, front	b10(mm)	1745	
	3.7	Tread, rear	b11(mm)	1850	
	Dimensions	4.1	Tilt of mast/fork carriage forward/backward	$\alpha/\beta(^{\circ})$	9/9
4.2		Height, mast lowered	h1(mm)	3130	
4.3		Free lift	h2(mm)	85	
4.4		Lift	h3(mm)	3000	
4.7		Height of overhead cabin	h6(mm)	2610	
4.20		Length to face of forks	l2(mm)	4430	
4.21		Overall width	b1/b2(mm)	2350	
4.22		Fork dimensions	s/e/l(mm)	85×200×1500	
4.31		Ground clearance, laden, below mast	m1(mm)	250	
4.34.2		Aisle width with load length	Ast(mm)	6630	
4.35		Turning radius	Wa(mm)	4200	
Performance data		5.1	Travel speed, laden/unladen	km/h	28/30
		5.2	Lift speed, laden/unladen	m/s	0.390/0.43
	5.3	Lowering speed, laden/unladen	m/s	0.500/0.420	
	5.5	Drawbar pull, laden/unladen	N	100000/-	
	5.7	Gradeability, laden/unladen	%	20/-	
Combustion-engine	7.1	Engine manufacturer/type		YUCHAI/YCA07160-T300	
		Emission STD		Stage3	
	7.2	Engine power	kW	118	
	7.3	Rated speed	r/min	2200	
	7.4	Number of cylinders/displacement	(-)/(cm³)	6/6870	
	7.9	Vehicle electrical system voltage	V	24	
	7.10	Battery voltage/nominal capacity	V/Ah	2×12/120	
		Rated torque	N·m/r/min	670/1400-1700	
		Transmissions Type		Powershift	
		Stage FWD/RVS		2/2	
Addition data	10.1	Operating pressure for attachments	bar	150	
	10.4	Fuel tank capacity	liter	200	



capacity(kg)

