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MATERIALS HANDLING

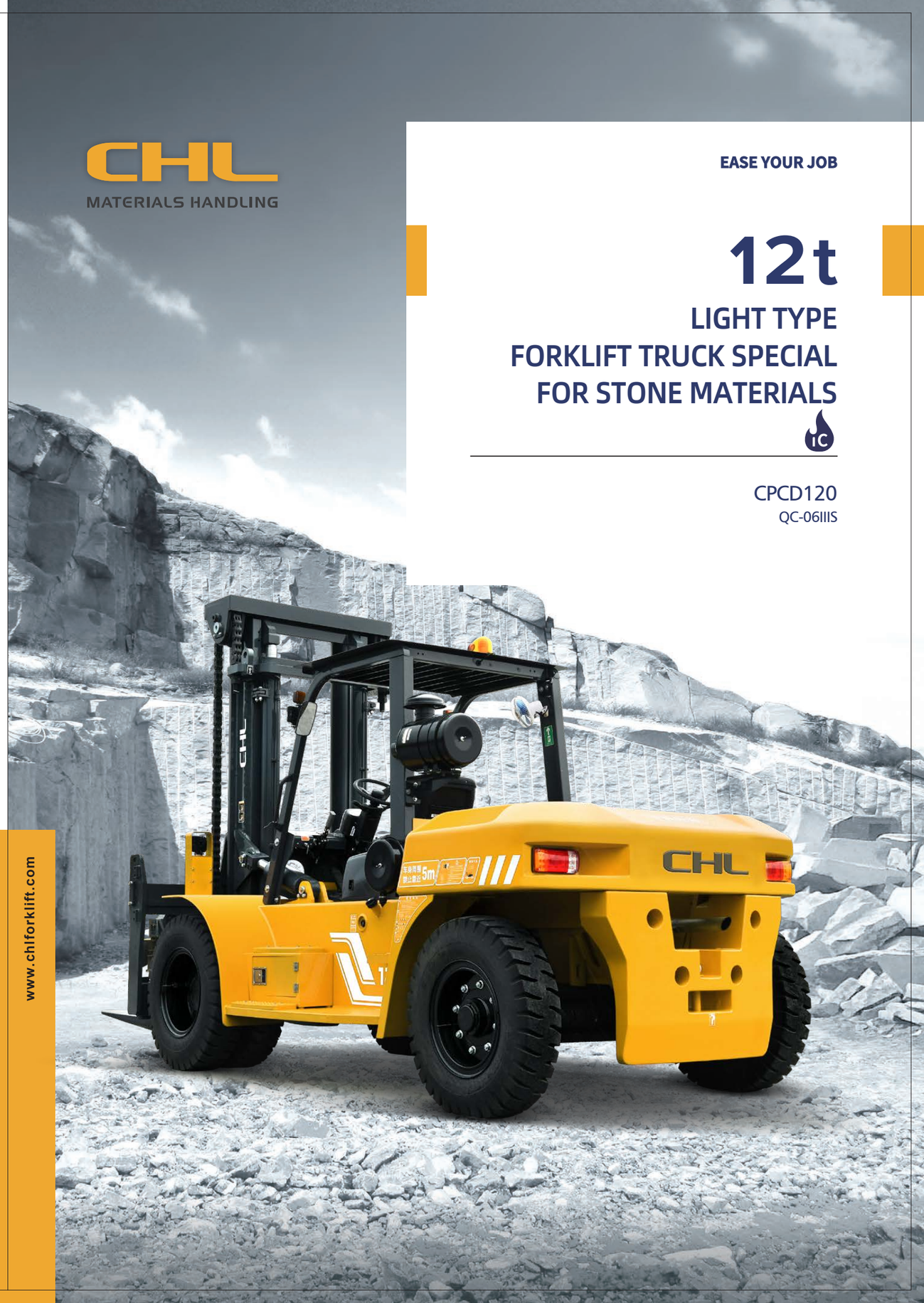
EASE YOUR JOB

12t

LIGHT TYPE FORKLIFT TRUCK SPECIAL FOR STONE MATERIALS

IC

CPCD120
QC-06IIIS



Wide view, high strength lifting system



The design of wide view mast offers good operation view.

Strengthened fork carrier and mast for stone material application are adopted to improve the strength and rigidity of mast.

The design of adding a group of rollers on the fork carrier and mast is adopted to enhance the impact resistance and eccentric load resistance of the lifting system.

The forward tilt angle of the mast can reach 9 degrees, which is more convenient for the operation in stone material application.

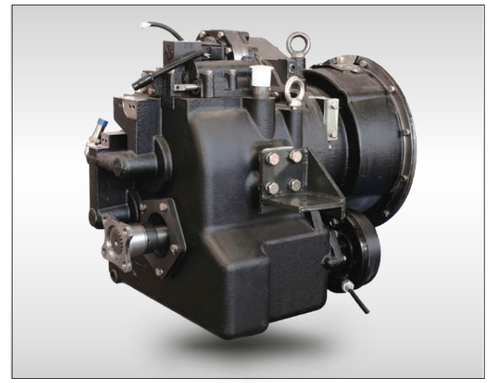
Engine system

The diesel engine of Quanchai 6J1 is adopted.
China stage III, displacement: 6.5l.
Electronic throttle.
High pressure common rail fuel system is adopted for more efficient power output.
Good fuel economy and low noise.



Transmission box+ torque converter

Hydraulic shifting transmission box + 340 high performance torque converter.
Manual-automatic intelligent shift technology.
Smooth shifting without impact.
Intelligent shift, more convenient.
More efficient power matching.
Safe and reliable, low noise.



Steering axle

Large turning angle design of the steering axle and optimized minimum turning radius of the whole truck offer strong adaptability of the working space.

The steering cylinder adopts the protection design of dust-proof bush which can effectively prevent the cylinder from being polluting by the dust generated by stone cutting and reduce the steering axle fault.

Large area patterned pneumatic tyre is adopted, which has large bearing capacity and enhances the climbing ability and trafficability of the whole truck.



Reliable components

Meichi heavy duty drive axle special for forklift truck is installed.

Hyperbolic, joint venture technology.

It can provide the torque required by various working conditions of the truck.



Reliable components

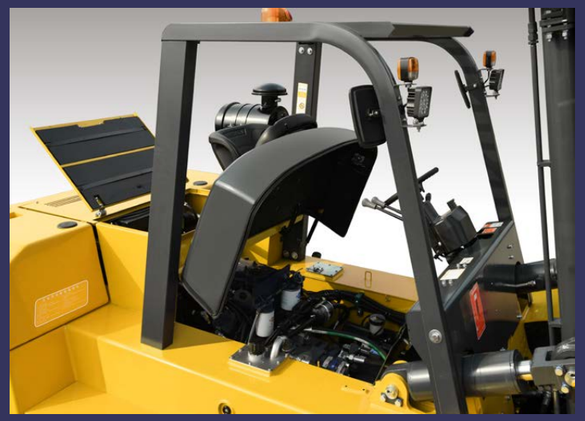
Truck positioning
Remote diagnosis
Remote monitoring
Maintenance reminder
Statistical report
Vehicle management
Identification (optional)
Weighing management (optional)



Reliable components

The front and rear tipping hood is adopted, and the interior of the whole truck can be seen at a glance after all the covers are opened, so the maintenance space is large. Quanchai engine is equipped and it has stable and reliable performance.

The use of heightened engine oil scale makes maintenance more convenient.



The paper dual air filter configuration with high air intake can effectively prevent the dust generated by stone cutting from being sucked into the engine, and ensure the efficient operation of the engine to the maximum extent.

Improved intake air cleanliness reduces engine failure rate.

The air filter is arranged at the left rear side of the truck and so the maintenance and disassembly of the air filter is convenient and fast.



According to the requirements of the stone material application, the two-piece valve is designed as standard, with simple operation and few fault points.
Reliable special instruments and integrated electrical control are adopted.
Large pedal design and large distance between left and right brake pedals are safer and more reliable.
The body structure of wide front and narrow back offers good trafficability.
Ergonomic design is adopted to improve the driver's operation comfort and to reduce fatigue.



Large pedal and handle.
Open steps provide convenient and safe access and egress.





Manufacturer and Technical Data

Model			CPCD120-QC-06IIIS
Rated capacity		kg	12000
Load center		mm	600
Power type			Diesel engine
Lifting speed (unloaded/loaded)		mm/s	350/320
Descenting speed (unloaded/loaded)		mm/s	420/510
Max.Travelling speed(unloaded/loaded)		km/h	28/25
	Max. Gradeability(loaded)	%	27
Tire Size	Type(front/rear)		Pneumatic tire 4/2
			9.00-20-16PR
	Battery voltage/capacity	V/Ah	24/80
Engine	Mannfacture Model		QUANCHAI 6J1-130C31
	Rated output/ Speed	kW/rpm	95.6/2200
	Rated torque/ Speed	Nm/rp	540/1600-1800
	Cylinder number	m	6
	Displacement		6.5
Transmission gear shift (front/rear type)		L	2/2 Hydraulic reversing

Standard Configuration

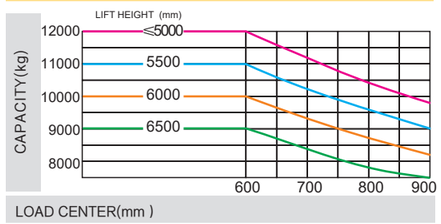
Wide view mast	Charging indicator	Filter for hydraulic oil circuit
Standard fork	Engine water temperature	Cable type parking brake
Steering indictor	Neutral indicator	Standard seat
Backview mirror	Electro-hydraulic reversing	Patterned tyre
Front combined lamps	Block alarm of mechanical air cleaner	Adjustable steering column
Timer	Overhead guard	Traction pin
Warning light	Hydraulic oil level gauge	Air intaking device
Backward buzzer	Two-piece control valve	Driver's tool
Reversing light	Self-lock valve of tilting oil circuit	Engine oil pressure alarm
Electric horn	Flow regulator of lifting oil circuit	Hydraulic powered steering

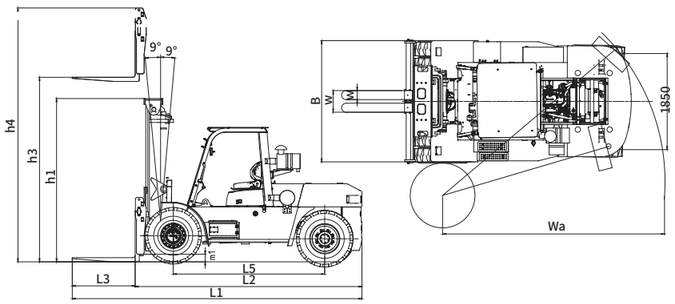
Optional Devices and Accessories

String	Reversing radar and image
Side shifter	Heater
Spark catcher	OPS (travelling control system)
Self Lubrication system	Automatic fire extinguisher
Solid tyre	

Performance specifications

Load curve





Manufacturer and Technical Data(Table 1)

Model			CPCD120-QC-06IIIS
Unit			mm
Overall Dimension	Overall length (with forks)	L1	5770
	Overall width	B	2350
	Overall height (at mast)	h1	3170
	Overall height (at works)	h4	4670
Wheel base		L5	2950
Lift height (standard)		h3	3000
Min. underclearance		m1	260
Fork	Length	L3	1370
	Width	W	175
	Thickness	T	85
	Adjustable range	R	420-2228
Min.turning radius(external)		Wa	4200
Mast tilt angle (fwd/bwd)		α/β	9/9

CPCD120-QC-06IIIS Basic type mast

Mast model	Max.lifting height (mm)	Load capacity (kg)	Mast tilt angle (Fwd/Bwd) (deg)	Note
M300	3000	12000	9/9	Standard type
M350	3500	12000	6/12	
M400	4000	12000	6/12	
M450	4500	12000	6/12	
M500	5000	12000	6/6	