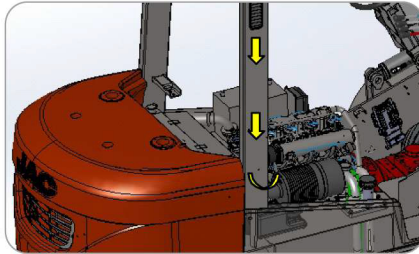


► COMFORT UPGRADE

The sound disappearance design from air inlet, the entire vehicle noise can be reduced by 2DB



The new steering column lock mechanism makes the steering wheel power decreased by 3 times, achieving the light operation.



Standard seats wrapping is enhanced, and driving more comfortable



► RELIABILITY UPGRADE

The front tilt angle 3degree design of hood can prevent the seat area from rusting the machine cover.



After the adding of the rear fuel board, the mud can be prevented from being thrown into the engine compartment.



The remaining part of the rear fuel tank will be filled, the frame strength increased, avoiding the fuel tank being rusted from the stagnant water.



**MATERIAL HANDLING EXPERTS
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2024/01/25

► PRACTICAL UPGRADE

The volume of the fuel tank increases by 10%, and the frame ground clearance increases by 20mm, making better operating duration and passability.



The mobile phone placing grid adding into the toolbox make the use convenient and practical.

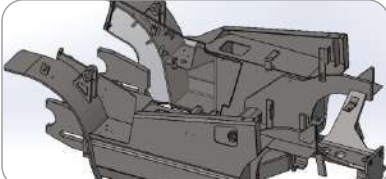
Refueling directly connect the fuel tank can eliminate the refueling and jumping.



The license plate fixed bracket reversed make it convenient use.

► SECURITY UPGRADE

The weld optimization at the fuel tank pedal is optimized to reduce the weld joint and reduce the oil leakage risk.



Hand brake and self-locking function to prevent the risk of sloping slopes from accidental reset.



Double lip mouth oil tank cover plate pad design can reduce the risk of leakage.

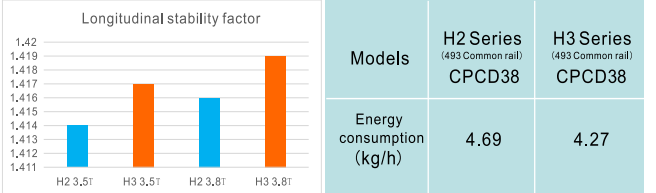
Optimization for the explosion-proof valve of the lifting system to reduce the safety accident brought by the whereabouts of the hosted road explosion.



► PERFORMANCE UPGRADE

Comprehensive performance improvement

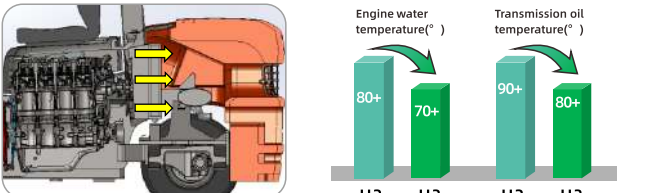
The whole axles load optimization can improve the life of the axle and tires,and reduce fuel consumption.



At the same time of vehicle's lightweight design,the center of gravity going down and the wheelbase increase, can make the better and stable high stacking.

Heat dissipation performance update

With the high wind engine, the effective wind area of the radiator can be increased by 10%.



The optimization of heat dissipation channels can improve the hot air return.

Load performance improve

By the axle load distribution optimization,and stability improve,more superiority performance can be achieved.



The struture of bolder oil cylinder and 7 chains of 3.8ton with triplex wide view mast can achieve high strength.



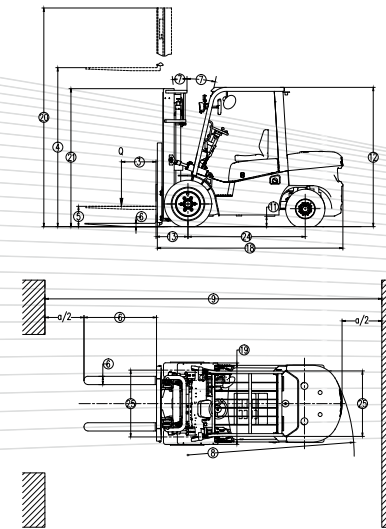
Note: The picture above only shows the trial conditions.Do not overload when use

SPECIFICATIONS

		Model	CPCD20	CPCD25	CPC20	CPC25	GPCD30	CPCD35	CPC30	CPC35
			Diesel							
1	Features	Powe type								
2		Rated load	kg	2000	2500	2000	2500	3000	3500	3500
3		Load center distance	mm							
4		Lift height	mm							
5		Free lift height	mm	140						
6		Fork size	L×W×T	mm	1070×122×40	1070×122×40	1070×122×40	1070×122×40	1070×125×45	1070×125×45
7		Mast tilt angle	FR/RR	°	8/10					
8		Minimum turning radius	mm	2300	2380	2300	2380	2550	2570	2550
9		Minimum right angle stacking aisle width	mm	3965	4045	3965	4045	4215	4250	4215
10		Minimum right angle aisle width	mm	2500	2580	2500	2580	2750	2770	2750
11	Performance Dimensions	Minimum ground clearance	mm	125						
12		Height of overhead guard	mm	2060						
13		Overhang (FR)	mm	465	465	465	465	465	465	480
14		Maximum travel speed	km/h	18	18	18	18	19	19	19
15		No load	mm/s	620	620	620	620	560	430	560
16		Full load	KN	11.7	11.4	11.7	11.4	20	28	20
17		Maximum gradeability	%	15						
18		Overall length	mm	2545	2630	2545	2630	2765	2810	2765
19		Overall width	mm	1160						
20		Minimum right angle stacking aisle width	mm	4030	4030	4030	4030	4260	4260	4260
21		Minimum right angle aisle width	mm	1995	1995	1995	1995	2075	2075	2075
22	Chassis	Front wheel	mm	7.00-12-12PR						
23		Rear wheel	mm	6.00-9-10PR						
24		Wheelbase	mm	1665						
25		Tread	mm	970/970						
26		Self weight	Kg	3400	3720	3360	3680	4160	4540	4120
27		Battery	V/Ah	12/80						
28		Model		4D29X41Xinchang						
29		Rated output	kw/r.p.m	36.8/2500						
30		Rated torque	Nm/r.p.m	190/1600-1800						
31		Bore x stroke	mm	93×105						
32	Drive	Number of cylinders		4						
33		Displacement	L	2.85						
34		Fuel tank capacity	L	52						
35		Transmissions (FWD/RWD)		1/1 manual shift						
36		Operating pressure	Mpa	18.5						
37		Tire type (FR/RR)		Pneumatic						
38		Number of wheels (FR/RR)	∕	2/2						
39		Lowering speed (full load)	mm/s	440	440	440	440	460	330	330
40		Lowering speed (no load)	mm/s	470	470	470	470	430	330	330
41	Supplement	Lift speed(no load)	mm/s	720	720	720	720	570	450	450
42		travel speed(no load)	km/h	19	19	19	19	20	20	20
43		Axle load distribution (full load) (FR/RR)	kg	4770/630	5540/680	4730/630	5500/680	6470/690	7250/790	6440/680
44		Axle load distribution (no load) (FR/RR)	kg	1520/1860	1520/2180	1480/1860	1480/2180	1750/2410	1730/2390	1680/2820

Calculation of minimum right angle stacking aisle width: Pallet size: 1000mm×800mm, [total clearance (FR/RR): 100 mm]

DIMENSIONAL DRAWING



ENGINE TYPE SELECTION AND PARAMETERS

NO.	Manufacturer	Power type	Model	Number of cylinders	Bore x stroke mm	Total displacement L	Rated output/RPM Kw/r.p.m	Rated torque/RPM Nm/r.p.m	Emission standard	Applicable forklift truck	Remark
1	Xinchang,China	Diesel	4D29V41	4	93×105	2.85	36.8/2500	165/1600-1800	National StageⅣ	2-3.5t	
2	Xinchang,China	Diesel	4D29X41	4	93×105	2.85	36.8/2500	190/1600-1800	National StageⅣ	2-3.5t	
5	Quanchai,China	Diesel	V29-50V42	4	93×105	2.85	36.8/2500	170/1800	National StageⅣ	2-3.5t	
6	Quanchai,China	Diesel	V29-50C42	4	93×105	2.85	36.8/2500	190/1500-1800	National StageⅣ	2-3.5t	

SPECIFICATION TABLE OF FORKS

Standard	Width W	Thickness T	Length L									Applicable forklift	Installation grade
LxWxT mm	mm	mm	mm										
920x100x35	100	35	770	*920	1070	1220	1370	1520	—	—	—	1t	II
920x100x35	100	35	770	*920	1070	1220	1370	1520	—	—	—	1.2t	II
920x100x35	100	35	770	*920	1070	1220	1370	1520	—	—	—	1.5t	II
1070x122x40	122	40	—	920	*1070	1220	1370	1520	1670	1820	—	2t	II
1070x122x40	122	40	—	920	*1070	1220	1370	1520	1670	1820	—	2.5t	II
1070x125x45	125	45	—	920	*1070	1220	1370	1520	1670	1820	2000	3t	III
1070x125x50	125	50	—	920	*1070	1220	1370	1520	1670	1820	2000	3.5t	III
1070x150x50	150	50	—	920	*1070	1220	1370	1520	1670	1820	2000	4t	III

Note: *is standard configuration

2M WFOV BASIC MAST

Lift height		Load capacity																Overall height of mast																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
		Counterbalanced full mast																1-1.8t				2-2.5t				3t				3.5t				4t				5t																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
Front wheel		1t		1.5t		1.8t		2t		2.5t		3t		3.5t		4t		Forks on the ground		Fully extended		FreeFRFR		Forks on the ground		Fully extended		FreeFRFR		Forks on the ground		Fully extended		FreeFRFR		Forks on the ground		Fully extended		FreeFRFR		Forks on the ground		Fully extended		FreeFRFR		Forks on the ground		Fully extended		FreeFRFR		Forks on the ground		Fully extended		FreeFRFR		Forks on the ground		Fully extended		FreeFRFR		Forks on the ground		Fully extended		FreeFRFR		Forks on the ground		Fully extended		FreeFRFR		Forks on the ground		Fully extended		FreeFRFR		Forks on the ground		Fully extended		FreeFRFR		Forks on the ground		Fully extended		FreeFRFR		Forks on the ground		Fully extended		FreeFRFR		Forks on the ground		Fully extended		FreeFRFR		Forks on the ground		Fully extended		FreeFRFR		Forks on the ground		Fully extended		FreeFRFR		Forks on the ground		Fully extended		FreeFRFR		Forks on the ground		Fully extended		FreeFRFR		Forks on the ground		Fully extended		FreeFRFR		Forks 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