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Website



H Series Internal Combustion Forklift

with capacities of 4,000 to 5,500kg

FolangSi

股票代码: 02499.HK

H SERIES INTERNAL COMBUSTION FORKLIFT



The H series are upgraded products that adopt advanced technology and are independently developed by Folangsi on the basis of the prior products.

Through comprehensive upgrade of the exterior design, efficiency and energy saving, safety, comfort and reliability, and comfort and convenience, the performance of the vehicle has been significantly improved in comparison with the prior products, and the vehicle has become the forklift meeting your different needs.



New exterior design

- / With the inherited exterior design of Folangsi's products, classic but innovative, the vehicle has a smooth, vivid and sturdy profile.
- / With a half enclosed dashboard, the vehicle looks compact and aesthetically pleasing.

HIGH EFFICIENCY AND ENERGY SAVING

FUEL CONSUMPTION
REDUCED BY

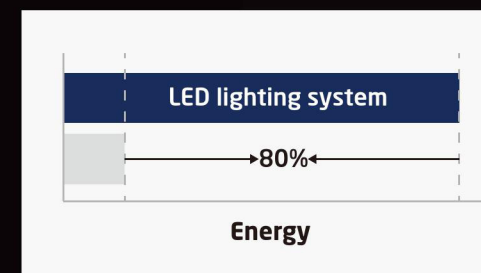
10%



HYDRAULIC SYSTEM SAVES **4%** ENERGY

- / For the standard configuration, load sensing is provided to ensure steering priority and reduce energy loss.
- / Increase the hydraulic pipe diameter and optimize pipe elbows and layout so as to reduce energy loss, lower the hydraulic oil temperature and prolong the service life of hydraulic components.

LED LIGHTING ENERGY SAVING **80%**

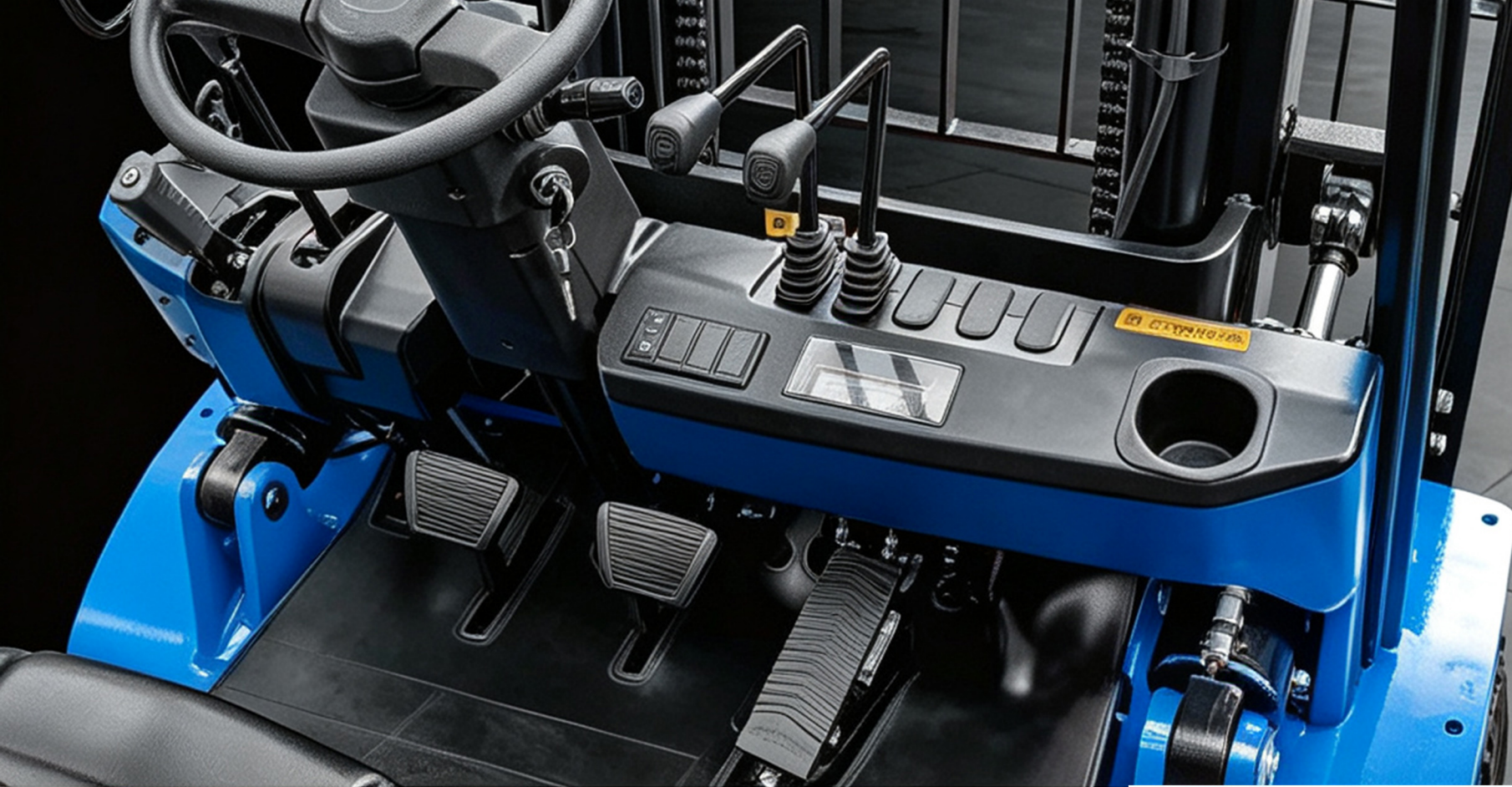


The vehicle uses an energy-saving LED lighting system, which significantly improves the performance and service life of the lights.



The integrated lighting combination switch makes operations easier.





Increase the space of the pedals on the car, making it more convenient to get on the car.



The non-slip seat with adjustable padded backrest offers more driving comfort.



For the standard configuration, a less-angled accelerator pedal is provided to reduce the driver's fatigue.

**ACCELERATOR
PEDAL FORCE
REDUCED BY
30%**

COMFORT AND CONVENIENCE

NVH OPTIMIZATION

30% REDUCTION IN VIBRATION

With the shock-absorbing design of multiple items, the idle-speed and high-speed shock absorption rates are improved, and the vehicle has less vibration.

NOISE REDUCTION 2dB

With the optimized independent air intake channel and large-capacity air intake silencer, the vehicle makes less noise.



The newly developed bus instruments more clearly show the information such as the running status of the vehicle, fault detection, maintenance reminders, etc. to the driver, and make maintenance easier.



The panoramic rearview mirror provides a wider rearview field of view, making driving more comfortable.



REPAIR SPACE INCREASED BY 10%

The wider opened hood makes maintenance easier.
The integrated hydraulic lids make maintenance easier.



SAFETY AND RELIABILITY

70%
INCREASE IN
BRAKE LIFE

The comprehensively upgraded braking system has its braking reliability and comfort significantly improved and service life greatly prolonged.

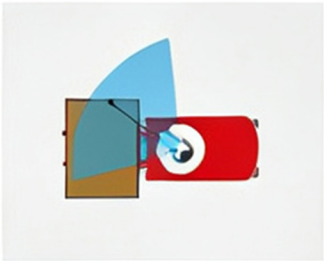
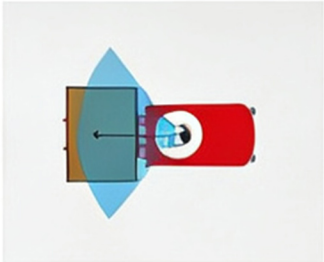
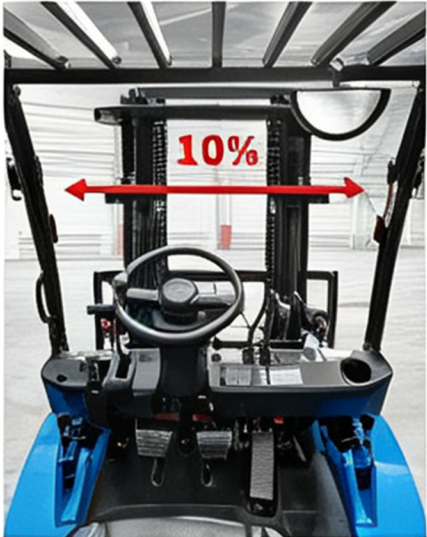
- / With optimized design of layout and center of gravity, the vehicle is more stable.
- / With the vacuum-assisted braking system provided for the standard configuration, less operating force is needed, and braking will not be a hindrance for steering, and vice versa.
- / The hydraulic system uses 24° conical seals to improve the sealing performance.
- / Key parts use waterproof connectors so that the protection level of the electrical system is improved.



By optimizing the heat dissipation system, the counterweight heat dissipation channel is improved, the air resistance of the heat dissipater is reduced, the cooling efficiency is improved, and the reliable operation of the engine is ensured.



A brand new air filter with a safety filter element makes the engine air intake cleaner and more powerful.



MAST VISIBILITY INCREASED BY 10%

With an ultra-wide view mast, upgraded chains and longitudinally-arranged sprockets, the safety coefficient of the mast and the front view through the mast are significantly improved.

The overhead guard uses high-strength profiled steel pipes so that the sealing of the cab (optional) is good.

Standard configuration

- | | | |
|---|--|--|
| / Anti-skid boarding step | / Seat with seat belt and adjustable backrest | / Gearbox dipstick (hydraulic transmission) |
| / Air filter (with safety filter element) | / Two-piece multiway valve | / Tire dedicated for Folangsi |
| / Hydraulic oil dipstick | / Air intake silencer | / Load backrest |
| / Traction device | / Maintenance reminder | / High-position air intake device |
| / Flow control valve | / Oil-water separator | / Hydraulic oil suction filter cartridge |
| / Fully hydraulic power steering | / Electric oil pump | / Self-locking valve in the tilting fuel circuit |
| / Duplex ultra-wide view mast | / Engine failure indicator | / Cable-type stop brake |
| / Standard fork | / Spherical rearview mirror | / Lighting combination switch |
| / Lifting and tilting joystick | / Folder | / 24° conical hydraulic pipe |
| / Steering wheel adjusting device | / Integrated electrical box | / Reversing buzzer |
| / Large rubber pedal pad | / Electric flameout | / Class III (IV) fork carriage |
| / Left boarding handle | / Cup holder | / Engine hour counter |
| / Half enclosed instrument cover | / Front LED operation light | / Load safety valve |
| / Headlight frame | / Front LED lights and rear combination lights | / Lockable gas spring |
| / Oil gauge | / Electric horn | / Charge indicator |
| / Preheating indicator | / Rain cover | / Oil cooler (hydraulic transmission) |
| / Engine oil pressure alarm | / Electronic accelerator pedal | / Vehicle toolkit |
| / Neutral gear safety switch | / Gearbox oil temperature alarm (hydraulic transmission) | / Water temperature meter |
| / Overhead guard made of profiled pipes | | |

Optional devices and accessories

- | | | |
|-----------------------------------|--------------------------------------|--|
| / Tilt cylinder jacket | / Color tire (white/green) | / Alarm light |
| / Double drive wheels | / Mid-position emission device | / Odometer |
| / Cab | / Exhaust fire protection device | / Fully enclosed steel plate of overhead guard |
| / High-position exhauster | / PVC lid | / Rear combination light frame |
| / User specified color | / Lockable hood | / Engine with speed limiting function |
| / Cab heater | / Electronic steering | / Main power switch |
| / Fully-suspended seat | / Auxiliary hydraulic valve assembly | / Fan protection device |
| / Rear tire chamber sealing plate | / Fire extinguisher | / Overspeed alarm |
| / Rear LED operation light | / Rear armrest with a horn button | / Double air filters |
| / Heat dissipater grille | / Counterweight grille | / Fuel tank cap locked |
| / Solid tire | / High and low overhead guards | / Double-layer soundproof pad and leather jacket of hood |

Optional attachments

- | | | |
|------------------------------|--------------------------|-----------------------|
| / Paper roll clamp | / Lengthened fork sleeve | / Boom |
| / Rotatable roll clamp | / Load ejector | / Lengthened fork |
| / Load stabilizer | / Weighing system | / Cardboard box clamp |
| / Multi-purpose barrel clamp | / Soft package clamp | / Pusher |
| / Tie rod | / Oil barrel clamp | / Bucket |
| / Side shift fork | / Tipping fork | / Hook |
| / Rotating fork | | |

Mast's special device

- | | | |
|------------------------------|-------------------------------|---------------------------------|
| / Free duplex wide-view mast | / Free triplex wide-view mast | / Special duplex wide-view mast |
| / Special fork | / Heightened load backrest | / Widened fork carriage |

H Series Internal Combustion Forklift Specification

Distinguishing mark	1.1	Manufacturer		FOLANGSI CO., LTD							
	1.2	Manufacturer's type designation		CPCD40-HX10	CPCD45-HX10	CPCD50-HX10	CPCD55-HX10	CPCD40-HM21	CPCD45-HM21	CPCD50-HM21	CPCD55-HM21
	1.3	Drive: electric (battery or mains), diesel, petrol, fuel gas		Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel
	1.4	Operator type: hand, pedestrian, standing, seated, order-picker		Seated	Seated	Seated	Seated	Seated	Seated	Seated	Seated
	1.5	Rated capacity/rated load	Q (kg)	4000	4500	5000	5500	4000	4500	5000	5500
	1.6	Load centre distance	c (mm)	500	500	500	500	500	500	500	500
	1.8	Load distance, centre of drive axle to fork	x (mm)	550	550	555	560	550	550	555	560
1.9	Wheelbase	y (mm)	2100	2100	2100	2100	2100	2100	2100	2100	
Weight	2.1	Service Weight	kg	5970	6220	6500	6900	5970	6420	6750	6900
	2.2	Axle loading, laden front/rear	kg	8640/1330	9450/1270	10330/1170	11135/1265	8640/1330	9450/1270	10350/1420	11135/1265
	2.3	Axle loading, unladen front/rear	kg	2670/3300	2720/3500	2800/3700	2845/4055	2670/3300	2720/3500	2800/3950	2845/4055
Tyres, chassis	3.1	Tyres: solid rubber, superelastic, pneumatic, polyurethane		Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic
	3.2	Tyre size, front		8.25-15-14PR	300-15-20RP	300-15-20RP	300-15-18PR	8.25-15-14PR	300-15-18PR	300-15-18PR	300-15-18PR
	3.3	Tyre size, rear		7.00-12-12PR	7.00-12-12PR	7.00-12-12PR	7.00-12-14PR/2	7.00-12-12PR/2	7.00-12-12PR/2	7.00-12-12PR/2	7.00-12-14PR/2
	3.5	Wheels, number front / rear (x = driven wheels)		2×/2	2×/2	2×/2	2×/2	2×/2	2×/2	2×/2	2×/2
	3.6	Tread, front	b10 (mm)	1160	1190	1190	1190	1160	1190	1190	1190
	3.7	Tread, rear	b11 (mm)	1130	1130	1130	1130	1130	1130	1130	1130
	Dimensions	4.1	Tilt of mast/fork carriage forward/backward	α/β(°)	6/12	6/12	6/12	6/12	6/12	6/12	6/12
4.2		Height, mast lowered	h1 (mm)	2245	2245	2245	2245	2245	2245	2245	2245
4.3		Free lift	h2 (mm)	160	160	160	165	160	160	165	165
4.4		Lift	h3 (mm)	3000	3000	3000	3000	3000	3000	3000	3000
4.5		Height, mast extended	h4 (mm)	4170	4170	4380	4380	4170	4170	4380	4380
4.7		Height of overhead guard	h6 (mm)	2350	2350	2350	2350	2350	2350	2350	2350
4.8		Seat height relating to SIP	h7 (mm)	1302	1302	1302	1292	1292	1292	1292	1292
4.12		Coupling height	h10 (mm)	520	520	520	520	520	520	520	520
4.19		Overall length	l1 (mm)	4260	4280	4285	4355	4260	4280	4285	4355
4.20		Length to face of forks	l2 (mm)	3190	3210	3215	3320	3190	3275	3320	3320
4.21		Overall width	b1 (mm)	1420	1490	1490	1490	1420	1490	1490	1490
4.22		Fork dimensions	s/e/l (mm)	50×122×1070	50×150×1070	50×150×1070	1070×150×60	1070×122×50	1070×150×50	1070×150×55	1070×150×60
4.23		Fork carriage DIN 15 173 --- ISO 2328, class/type A,B		3/A	3/A	4/A	4/A	3/A	3/A	4/A	4/A
4.24		Fork-carriage width	b3 (mm)	1350	1350	1350	1350	1350	1350	1350	1350
4.25		Distance between fork-arms	b5 (mm)	300-1250	300-1250	300-1250	300-1250	300-1250	300-1250	300-1250	300-1250
4.31		Ground clearance, laden, below mast	m1 (mm)	150	150	150	170	170	170	170	170
4.32		Ground clearance, centre of wheelbase	m2 (mm)	230	230	230	230	230	230	230	230
4.34.1		Aisle width for pallets 1000 x 1200 crossways	Ast (mm)	4530	4570	4575	4660	4530	4570	4575	4660
4.34.2		Aisle width for pallets 800 x 1200 lengthways	Ast (mm)	4730	4770	4775	4860	4730	4770	4775	4860
4.35		Turning radius	Wa (mm)	2780	2820	2820	2900	2780	2820	2820	2900
4.36	Minimum pivoting point distance	b13 (mm)	863	863	863	863	863	863	863	863	
Performance data	5.1	Travel speed, laden/unladen	km/h	24/25	24/25	24/25	24/25	24/25	24/25	24/25	24/25
	5.2	Lift speed, laden/unladen	m/s	0.55/0.58	0.55/0.58	0.48/0.51	0.48/0.51	0.47/0.50	0.47/0.50	0.45/0.48	0.45/0.48
	5.3	Lowering speed, laden/unladen	m/s	0.44/0.46	0.44/0.46	0.44/0.46	0.44/0.46	0.48/0.50	0.48/0.50	0.56/0.58	0.56/0.58
	5.5	Drawbar pull, laden/unladen	N	39100/20000	39100/20000	39100/20000	31700/17850	31700/17850	31700/17850	31700/17850	31700/17850
	5.7	Gradeability, laden/unladen	%	25/20	23/20	20/20	20/20	24/20	22/20	20/20	20/20
	5.10	Service brake		Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic
		Parking brake		Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical
Combustion- engine	7.1	Engine manufacturer/type		Xinchai4D35ZG31-003				Mitsubishi SDP-56S-G3-1			
		Emission standard		GB III	GB III	GB III	GB III	Stage IIIA	Stage IIIA	Stage IIIA	Stage IIIA
	7.2	Engine power	kW	60	60	60	60	52	52	52	52
	7.3	Rated speed	r/min	2200	2200	2200	2200	2300	2300	2300	2300
	7.4	Number of cylinders/displacement	(-)/cm³	4/3470	4/3470	4/3470	4/3470	4/4966	4/4966	4/4966	4/4966
	7.9	Vehicle electrical system voltage	V	24	24	24	12	24	24	24	24
	7.10	Battery voltage/nominal capacity	V/Ah	2-12/60	2-12/60	2-12/60	12/105	2-12/60	2-12/60	2-12/60	2-12/60
		Rated torque	N·m/r/min	300/1600~1800	300/1600~1800	300/1600~1800	300/1600~1800	248/1700	248/1700	248/1700	248/1700
		Transmissions Manufacturer		China	China	China	China	China	China	China	China
		Transmissions Type		Powershift	Powershift	Powershift	Powershift	Powershift	Powershift	Powershift	Powershift
Addition data		Stage FWD/RVS		2/1	2/1	2/1	2/1	2/1	2/1	2/1	2/1
	10.1	Operating pressure for attachments	Mpa	180	180	180	180	180	180	180	180
	10.3	Hydraulic Tank - capacity (drain & refill)	liter	80	80	80	80	80	80	80	80
	10.4	Fuel tank capacity	liter	100	100	100	100	100	100	100	100

