

The core parts of K2 series 4-5t internal combustion forklift truck have been fully verified by the market and they are mature and reliable. The truck integrates R & D design concepts of "safety", reliability" and "high efficiency" and "comfort" and combines technical exploration and design innovation in the field of internal combustion forklift truck in nearly half a century and the latest technology and process development which hilights the traditional attributes of durability and high cost performance.

Complete hard core configuration

A number of powerful and low emission engines are optional to meet your requirements. Standard configuration of HELI homemade drive axle has high

casting accuracy and strong strength.

Transmission box configuration is rich which has been fully verified by the market and they are mature and reliable.

The tyre of steering axle is equipped with 14 plying rating which has the characteristics of high bearing capacity, wear resistance and long service life.

More reliable

The brake system has been upgraded which effectively improve the braking reliability and comfort.

The hydrodynamic truck adopts hydraulic assisted braking system and the braking performance is more stable and reliable. Enlarged high positioned air inlet grid makes air intaking smoother and the using of engine power more sufficiently.

Large screen LCD instrument overally monitor truck state. High strength alloy steel is used for mast channel steel, the tensile strength and safety factor of chain are significantly improved.

More efficient

Enlarged diameter of hydraulic system pipelines and optimized pipeline arrangement extends the service life of hydraulic elements. The application of double pump confluence hydraulic system is energy saving and high efficient. Standard configuration of LED lights is energy saving and environ-

ment friendly and has long service life and higher reliability. Standard configuration of load sensor gives priority to steering and reduces energy loss.

More excellent

Optimized cooling channel and standard configuration of enlarged aluminum plate fin radiator improve cooling performance greatly. Standard configuration of air cleaner alarm reminds customer to maintain the air cleaner in time.

Optimized bi-wiring screw lock mechanism makes locking adjusting more convenient.

The hydraulic truck is upgraded with a new intelligent shift system to prevent the starting from second gear.

More comfortable

Optimized brake pedal and accelerator pedal improve driving

Small diameter steering wheel reduces the operation intensity and improves the driver's operation convenience.

Integrated handle switch (hydrodynamic truck) and standard lifting

cylinder lower buffer offer new driving experience.
Enlarged grained leather antiskid handle, half enclosed seat,
instrument backlight design, anti-skid metal pedal and hood lock make the operation more comfortable.

* Details of specifications and equipment are based on information available at the time of printing and may change without notice.

AUTHORIZED DEALER







17% improved of Matt view (two-stage full free of LED lights wheel' satesting fonce brake force







More economical

economical price high end configuration

Better performance

overall improved working efficiency

More reliable

Optimized key parts improves truck reliability

More comfortable

Optimized ergonomics offers new driving experience.



The standard configuration of LED lights have the features of environment friendly.



5% emergy saved

brake drum' shardness rate in idling: 68%



Optimized mast structure effectively improves driver's view.



Standard configuration of buffering on the lifting cylinder offers comfort operation.



Upgraded brake drum and brake unit improves brake reliability and operation



Optimized pedal layout improves operation comfort (hydrodynamic truck).



Standard configuration of Zhengxin tyre with plying rating 14 improves tyre service life.



The application of double pump confluence hydraulic system provides oil supply as required and reduces energy consumption of the whole truck.



Enlarged diameter of hydraulic system pipelines reduces pressure loss and prolongs hydraulic system service life.



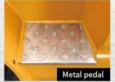
Enlarged aluminum plate fin radiator makes three kinds of temperature are controlled in a good range and effectively improves the reliability of the system.



and reliable.



The opening mechanism of engine hood is simple and reliable. Key lock is optional.



Metal pedal is reliable and durable.



Clip type installation of floor board makes assembly and disassembly easy.



Enlarged high positioned air inlet grid makes air litaking smoother and the using of engine power more sufficiently.





Standard configuration of combined handle integrating electro hydraulic reversing handle, steering and lights facilitates operation (hydrodynamic truck).



Large screen LCD instrument overally monitor truck state. The instrument displays real time engine and truck fault information and humanized reminder.



Standard configuration of air cleaner alarm reminds customer to maintain the air cleaner in time so as to protect engine and improve engine reliability.



Optimized bi-wiring screw lock mechanism makes locking adjusting more convenient.



After nearly 30 years of market validation, the flexible connected hydraulic transmission is mature







FICS CHL Intelligent Fleet Management System (optional)



FICS CHL intelligent fleet management system is an information system using cloud computing and Internet of things technology. It can help fleet managers to know the operation of the fleet and the performance of drivers in real time. The system software platform integrates the information and data collected by intelligent terminals to provide optimization analysis for operation investment, equipment maintenance and operation efficiency. HELI intelligent fleet management system can customize the solution of fleet optimization for you, and make your team the performance champion through the continuous optimization management.

Standard

- Asset management: multi organization decentralization management, truck basic information information management.
- Truck positioning: GPS / base station positioning, truck trajectory playback.
- State monitoring: truck on and off, voltage, electricity, working time and other state
 information monitoring.
- Fault reminder: fault code, truck fault alarm.

Torque converter oil level gauge

- Maintenance management: automatically remind maintenance information and maintenance scheduling record management.
- Intelligent report: operation record, working hours.
- . App Management: control the running state of the fleet anytime and anywhere.

Outfire muffler Widen backrest

Optional

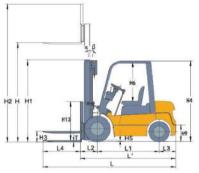
5.03 Fuel tank capacity

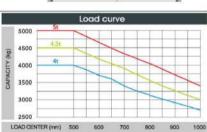
- Personnel management: authority control, trucks can only be started after passing identity authentication;
- Safety management: detect and record overload, collision, overspeed and other safety incidents, to improve the driving compliance.

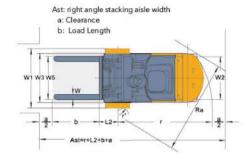
Standard	Optional		Optional attachment
Wide view mast	Cab	High exhausting	Side shifter
Standard fork	Heater	Protective bush for steering cylinder	Paper roll clamp
Standard backrest	Air conditioner	Protective bush for tilting cylinder	Rotating fork
Standard overhead guard	Overhead guard for operation	Custom madecolor	Cargo boom
Rain proof hood of overhead guard	in container	Protective net for counter weight	Drum clamp
Lcd combined instrument	Windshield glass	(steel protective net)	Rotating clamp
Pneumatic tyre	Iron sheet celling	Fuel tank lock	Fork extension
Traction pin	Dual air cleaner	Integrated horn button	Load stabilizer
Attached tools	Solid tyre	Slings	Tilting fork
Led signals	Dual tyre	Suspension seat	Tilting bucket
Standard sea	Fan	Custom madecolor	Sanitation fork
Control valve	Warning light	Fics	Dualjib
Backward buzzer	Rear working light		Sideshifting tilting forl
Hour meter	Reversing image, reversing radar		Boom
Adjustable steering column	Overspeed alarm		Hook
Rearview mirror	Fire extinguisher		
Combined instrument	Purification muffler		

	Characteristics											
1.01	Manufacturer			ĺ								
1.02	Model			CPC40 CPC	D40 CP(Q)YD	40 CPC45 CPC	D45 CP(Q)YD4	5 CPC50 CPC	D50 CP(Q)YD			
1.03	Power mode			Diesel	LPG	Diesel	LPG	Diesel	LPG			
1.04	Rated capacity	Q	kg	1000000	000		500	-	5000			
1.05	Load center distance	c	mm	1,00	57-0C1QCM	-	500					
1.06	Driving mode	970	20000000				eated					
	Dimensions											
2.01	Max. height, extended (With backrest)	H2	mm			2	250					
2.02	Free lifting height	н	mm		3000							
2.03	Height (mast lowered)	H1	mm		2275							
2.04	Free lifting height	H3	mm				150					
2.05	Backrest height (calculated from the surface of the fork)	H13	mm				250					
2.06	Distance from the surface of	H6	mm				250					
2.07	the seat to the overhead guard Height of overhead guard	H4	mm				2350					
2.08	Overall length (with/without fork)	L/L'	mm			195000						
2.00		L/L	mm		4460/3240 560							
2.09	Front overhang Rear overhang	L3	mm				580					
2.10	Wheelbase	L1	mm				100					
	CARL STOCK TO A CONTROL OF THE STOCK TO A CO		300,000	300								
2.12	Towing coupling height	H9	mm	-530355								
2.13	Ground clearance (laden,between mast)	H5	mm	175								
2.14	Overall width	W1	mm	1480								
2.15	Distance across fork-arms, Max./Min.	W5	mm	1340/300								
2.16	Tread, front/rear	W3/W2	mm	1180/1190								
2.17	Min. outside turning radius	r	mm				930					
2.18	Min. internal turning radius	r'	mm				215					
2.19	Min.right angle stacking aisle width	Ra	mm			- 22	900					
2.20	Right angle stacking alsle width for pallet 1000 x1200mm	α/β	deg				1690					
2.21	Right angle stacking aisle width for pallet 800 x1200mm	L4xWxT	mm			4	1890					
2.22	Mast tilt angle (forward/backward)	Ast	mm			(5/12					
2.23	Fork size	Ast	mm			1070	×150×50					
	Weight											
3.01	Total weight		kg	6290	6460	6490	6660	6750	6920			
3.02	Axle load (laden,front/rear)		kg	8675/1615	8815/1645	9600/1390	9680/1480	10430/1320	10500/1420			
3.03	Axle load (unladen,front/rear)		kg	2772/3518	2776/3694	2830/3660	2865/3795	2860/3890	2965/3955			
	Wheels											
4.01	Wheels, number front/rear (x=driven whe	els)		2X/2(Double-tyre 4X/2)								
4.02	Tyre type			Pneumatic tyre								
4.03	Tyre size, front		8.25-15-14PR 300-15-18PR									
4.04	Tyre size,rear				7.00-1	2-14PR		7.00	-12-14PR			
4.05	Double-tyre size (front/rear)					8.25-15-14P	R/7.00-12-14PF	1				
	Other data											
5.01	Service brake				Vacuu	m assisted braking ulic assisted brakin	pedal type (mech	anical truck)/				
5.02	Parking brake				nyura		al-hand lever	- Symmetric trucky				
F.02	Full bank associate		no no									

90







Note: The vertical axis stands for load capacity and the horizontal axis stands for load center which is calculated from the front of the fork. The base point of the standard load refers to the center position of the cube with 1000mm length of side. When mast is tilted forward, nonstandard fork usage or load with over wide goods, load capacity will be reduced. Different load capacity in different load center can be known in time through load chart.

Technical parameters							
Truck performance parameters							
Model		CPC40/45/50	CPC40/45/50	CPCD40/45/50	CPCD40/45/50	CP(Q)YD40/45/50	
Configuration number		QC5K2/QC7K2/XC5K2	QC4K2/QC8K2/ XC6K2/WX8K2	QC5K2/QC7K2/ XC7K2/WX7K2	M4K2	KU2K2C	
Transmission geers (front/rear)		shifting with single lever (forward 3 backward 2)	shifting with dual lever (forward 2 backward 2)	Electrohydraulic reversing (forward 2 backward			
Travel speed (laden/unladen)	km/h	21/21.6	18/18.5	24/25	25/26	25/26	
Lift speed (laden/unladen)	mm/s	500/530		530/560	440/500	530/580	
Lowering speed (laden/unladen)	mm/s		400/430				
Max.drawbar pull (laden/unladen)	kN	31/20	30/20	39/22	28/22	28/22	
Max.gradeability (laden/unladen)	96	24/20	22/20	26/20	≥20	≥20	

Engine model	Engine instruction	Truck model	battery voltage/ capacity (V/Ah)	rated power/ speed (Kw/rpm)	rated torque/ speed (Nm/rpm)	engine displacement (L)	engine cylinder number-cylinder borexstroke	emission standard
Quanchai 4C6-85U32	498 electronic unit pump +supercharge	CPC40-50-QC5K2 CPC40-50-QC4K2 CPCD40-50-QC5K2	24/80	62.5/2200	300/1600-1800	3.47	4-98×115	China III
Xinchang 4D35ZG31	498 electronic unit pump +supercharge	CPC40~50-XC5K2 CPC40~50-XC6K2 CPCD40~50-XC7K2	24/80	60/2200	300/1600-1800	3.47	4-98×115	China III
Xichai 4DX23-82GG3U	4102 electronic unit pump +supercharge and intercooler	CPC40~50-WX8K2 CPCD40~50-WX7K2	24/80	60/2200	320/1400-1700	3.85	4-102×118	China III
Quanchai 4C6-88C31	498 electric controlled high pressure common rail system	CPC40-50-QC7K2 CPC40-50-QC8K2 CPCD40-50-QC7K2	12/80	65/2200	350/1800	3.47	4-98×115	China III
Mitsubishi S6S	mechanical pump +naturally aspirated	CPCD40-50-M4K2	24/80	52/2300	248/1700	4.996	6-94x120	China III/ Euro III A
Kubota WG3800 (Non-certificated type)	LPG/ gasoline dual fuel	CPQYD40-50-KU2K20	12/80	60.7/2400	273/1200	273/1200	4-100x120	
Kubota WG3800 (Non-certificated type)	LPG single fuel	CPYD40-50-KU2K2C	12/80	63.2/2400	282.4/1200	282.4/1200	4-100×120	



Mast model	Max.lifting	Load cap	acity (load cen	ter 500mm)		service weigh	mast overall height (fork to	mast tilting	
	height (mm)	4t	4.5t	5t	4t	4.5t	5t	the ground)	angle α/β
M260	2600	4000	4500	5000	6244(6414)	6444(6614)	6704(6874)	2075	6°/12°
M270	2700	4000	4500	5000	6256(6426)	6456(6626)	6716(6886)	2125	6°/12°
M300	3000	4000	4500	5000	6290(6460)	6490(6660)	6750(6920)	2275	6°/12°
M330	3300	4000	4500	5000	6324(6494)	6524(6694)	6784(6954)	2425	6°/12°
M350	3500	4000	4500	5000	6347(6517)	6547(6717)	6807(6977)	2525	6°/12°
M370	3700	4000	4500	5000	6370(6540)	6570(6740)	6830(7000)	2625	6°/12°
M400	4000	4000	4500	5000	6459(6629)	6659(6829)	6919(7089)	2825	6°/6°
M425	4250	3800 *4000	4300 *4500	4700 *5000	6488(6658)	6688(6858)	6948(7118)	2950	6°/6°
M450	4500	*4000 3700 *4000	*4500 4200 *4500	*5000 4500 *5000	6517(6687)	6717(6887)	6977(7147)	3075	6°/6°
M475	4750	3500 3700	4000 *4200	4250 *4600	6546(6716)	6746(6916)	7006(7176)	3200	6°/6°
M500	5000	3200	3600	4000	6573(6743)	6773(6943)	7033(7203)	3325	6°/6°
M550	5500	*3400 2900 *3200	*4000 3200 *3600	*4200 3600 *3800	6679(6849)	6879(7049)	7139(7309)	3575	3°/6°
M600	6000	*3200 2600 *2900	*3600 3000 *3200	*3800 3300 *3600	6735(6905)	6935(7105)	7195(7365)	3825	3°/6°

Note:" stands for the rated capacity when the front tyre is double-tyre.

In the weight column, the weight without brackets is the weight of mechanical truck (CPC type), the weight with brackets is that of hydrodynamic truck (CPC bype, CP (Q) Yb bye).

Mast model	Max.lifting height (mm)	Load capacity (load center 500mm)			5	ervice weight		mast overall	free lifting	mast tilting
		4t	4.5t	5t	4t	4.5t	5t	height (fork to the ground)	height (with backrest)	angle α/β
ZM261	2610	4000	4500	5000	6340(6510)	6540(6710)	6800(6970)	2110	900	6°/12°
ZM271	2710	4000	4500	5000	6355(6525)	6555(6725)	6815(6985)	2160	950	6°/12°
ZM300	3000	4000	4500	5000	6397(6567)	6597(6767)	6857(7027)	2305	1095	6°/12°
ZM330	3300	4000	4500	5000	6441(6611)	6641(6811)	6901(7071)	2455	1245	6°/12°
ZM350	3500	4000	4500	5000	6470(6640)	6670(6840)	6930(7100)	2555	1345	6°/12°
ZM375	3750	4000	4500	5000	6506(6676)	6706(6876)	6966(7136)	2680	1470	6°/12"
ZM400	4000	4000	4500	5000	6563(6733)	6763(6933)	7023(7193)	2805	1595	6°/6°
ZM450	4500	*4000	·4200	*5000	6635(6805)	6835(7005)	7095(7265)	3055	1845	6°/6°
ZM500	5000	3200 *3400 2900	3600	4000 *4200	6708(6878)	6908(7078)	7168(7338)	3305	2095	6°/6°
ZM550	5500	2900 *3200	*4000 3200 *3600	3600 *3800	6824(6994)	7024(7184)	7284(7454)	3555	2345	3°/6°
ZM600	6000	*3200 2600 *2900	*3600 3000 *3200	*3600	6873(7043)	7073(7243)	7333(7503)	3805	2595	3°/6°

Note:* stands for the rated capacity when the front tyre is double-tyre.
In the weight column, the weight without brackets is the weight of mechanical truck (CPC type), the weight with brackets is that of hydrodynamic truck (CPCb type, CP (Q) 70 type).

Mast model	Max.lifting	Load capa	city (load cen	ter 500mm)	s	ervice weight		mast overall height (fork to the ground)	free lifting height (with	mast tilting angle α/β
	height (mm)	4t	4.5t	5t	4t	4.5t	5t		backrest)	
ZSM360	3600	4000	4500	5000	6541(6711)	6741(6911)	7001(7171)	2134	924	6°/6°
ZSM392	3920	3840	4350 4500 4100	4800 *5000 4400	6581(6751)	6781(6951)	7041(7211)	2234	1024	6°/6°
ZSM435	4350	3840 *4000 3500 *3800 3350 *3500 3250	4100	4400 *4800	6638(6808)	6838(7008)	7098(7268)	2379	1169	6°/6°
ZSM450	4500	*3500	*4300 4000 *4200	*4800 4200 *4700 4050	6658(6828)	6858(7028)	7118(7288)	2430	1220	6°/6°
ZSM470	4700	3250	*4200 3800 *4000	4050 *4300	6684(6854)	6884(7054)	7144(7314)	2496	1286	6°/6°
ZSM480	4800	*3400 3150 *3300 3050	*4000 3700 *3900	*4300 3950 *4100	6697(6867)	6897(7067)	7157(7327)	2529	1319	6°/6°
ZSM500	5000	3050	*3900 3400 *3800	*4100 3800 *4000	6737(6907)	6937(7107)	7197(7367)	2629	1419	6°/6°
ZSM540	5400	*3200 2750 *3000 2400	*3800 3000 *3400	*4000 3500 *3700 3150	6814(6984)	7014(7184)	7274(7444)	2754	1544	6°/6°
ZSM600	6000	2400 *2500	2800 *3000	3150 *3400	6922(7092)	7122(7292)	7382(7552)	2994	1784	3°/6°

Note:" stands for the rated capacity when the front tyre is double-tyre.

In the weight column, the weight without brackets is the weight of mechanical truck (CPC type), the weight with brackets is that of hydrodynamic truck (CPCb type, CP (CJ) Vb type).