

K2 series 4-5t internal combustion forklift truck not only has strong and tough appearance but also has modern and beautiful style. Its core parts have been fully verified by the market and are mature and reliable. The whole truck highlights the traditional attributes of durability and high cost performance. 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.

Complete hard core configuration

- Engine configuration is rich and a number of powerful and low emission engines are optional. The truck has strong capacity and is suitable for high duty application to meet your requirements.
- Standard configuration of HELI homemade drive axle has high casting accuracy and strong strength which guarantees safety.
- Transmission box configuration is rich. Single lever mechanical transmission box, double lever mechanical transmission box and hydrodynamic transmission box have been fully verified by the market and they are mature and reliable, and you can choose without worry.
- The tire of steering axle is equipped with Zhengxin 7.00-12-14PR tire with plying rating 14 which has the characteristics of high bearing capacity, wear resistance and long service life.

More reliable

- The brake system has been upgraded. Hardness improved brake drum, optimized brake and upgraded brake master cylinder effectively improve the braking reliability and comfort.
- The hydrodynamic truck adopts hydraulic assisted braking system, which has better working environment tolerance (such as dust), 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 overallly monitor truck state. The standard power supply main contactor realizes power-off protection. Mature and reliable electro-hydraulic reversing box and control box are adopted.
- High strength alloy steel is used for mast channel steel, the tensile strength and safety factor of chain are significantly improved, and the work is more safe and reliable.

More efficient

- Enlarged diameter of hydraulic system pipelines, optimized pipeline arrangement and reduced temperature of hydraulic oil greatly improves the service life of hydraulic components and reduces the use and maintenance cost in the life cycle.
- The application of double pump confluence hydraulic system provides oil supply as required. The front pump and rear pump flow together only when the mast is lifting. It is energy saving and high efficient.
- Standard configuration of LED lights is energy saving and environment friendly and has long service life and higher reliability.
- Standard configuration of load sensor gives priority to steering, reduces energy loss and reduces using cost.

More excellent

- Optimized cooling channel and standard configuration of enlarged aluminum plate fin radiator improve cooling performance greatly and thus improve the reliability of key parts such as transmission box and engines.
- Standard configuration of air cleaner alarm reminds customer to maintain the air cleaner in time so as to protect engine and improve engine reliability.
- The transmission system matching with HUTCHINSON cushions offers a perfect matching between service life and vibration reduction effect after professional calculation (hydrodynamic truck).
- Optimized bi-wiring screw lock mechanism makes locking adjusting more convenient. The hydrodynamic truck is upgraded with a new intelligent shift system to prevent the starting from second gear and improve the working reliability of the gearbox.

More comfortable

- Optimized brake pedal and accelerator pedal and automobile operation mode improve driving comfort.
- Small diameter steering wheel offers efficient and convenient operation, 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.



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

AUTHORIZED DEALER

MAXBULL



4-5t

Internal Combustion Counterbalanced Forklift Truck

17% improved of Mast view (two-stage full free lift mast)

80% energy saved of LED lights

25% reduced of steering wheel's steering force

30% optimized of 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.

27% increased of
brake drum's hardness

Vibration isolation
rate in idling: 68%

66% enlarged of
brake pedal dimension
(hydrodynamic truck)

5% energy saved
of hydraulic system

LED lights

Lifting cylinder buffering

Wide view mast

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

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

Optimized mast structure effectively improves driver's view.

Brake system

Upgraded brake drum and brake unit improves brake reliability and operation comfort.

Wide brake pedal

Optimized pedal layout improves operation comfort (hydrodynamic truck).

Tyre with plying rating 14

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

Double pump confluence

The application of double pump confluence hydraulic system provides oil supply as required. The front pump and rear pump flow together only when the mast is lifting. It is energy saving and high efficient.

Enlarged diameter of pipelines

Cooling system

Flexible connected hydraulic transmission

Latch opening mechanism

Main contactor

Metal pedal

Clip type installation

Enlarged diameter of pipes

Enlarged aluminum plate fin radiator

Flexible connected hydraulic transmission

Latch opening mechanism

Main contactor

Metal pedal

Clip type installation

Clip type installation of floor board

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

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.

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

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

Standard configuration of power main contactor realizes power cut-off function in case of short circuit to protect the safety of whole electric system.

Metal pedal is reliable and durable.

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

ICS Intelligent Fleet Management System (optional)



FICS 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. FICS 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 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.
 - **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.

Optional

- **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

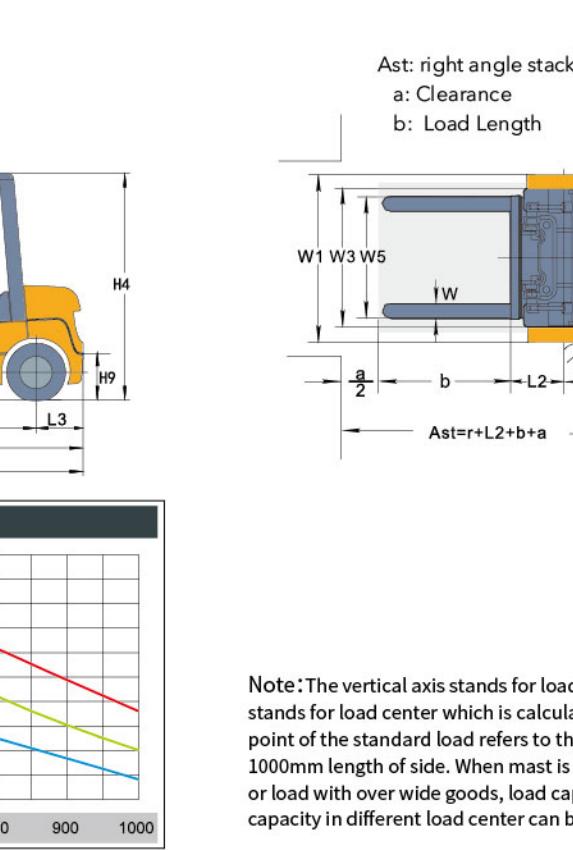
Page 10

Optional a

Wide view mast	Cab	High exhausting	Side shifter	3.01	To
Standard fork	Heater	Protective bush for steering cylinder	Paper roll clamp	3.02	Ax
Standard backrest	Air conditioner	Protective bush for tilting cylinder	Rotating fork	3.03	Ax
Standard overhead guard	Overhead guard for operation	Custom madecolor	Cargo boom		Wh
Rain proof hood of overhead guard	in container	Protective net for counter weight (steel protective net)	Drum clamp	4.01	Wh
Lcd combined instrument	Windshield glass	Fuel tank lock	Rotating clamp	4.02	Ty
Pneumatic tyre	Iron sheet ceiling	Integrated horn button	Fork extension	4.03	Ty
Traction pin	Dual air cleaner	Slings	Load stabilizer	4.04	Ty
Attached tools	Solid tyre	Suspension seat	Tilting fork	4.05	D
Led signals	Dual tyre	Custom madecolor	Tilting bucket		Ot
Standard sea	Fan	Fics	Sanitation fork	5.01	Se
Control valve	Warning light		Dual jib	5.02	Pa
Backward buzzer	Rear working light		Sideshifting tilting fork	5.03	Fu
Hour meter	Reversing image, reversing radar		Boom		
Adjustable steering column	Overspeed alarm		Hook		
Rearview mirror	Fire extinguisher				
Combined instrument	Purification muffler				
Torque converter oil level gauge	Outfire muffler				
	Widen backrest				

Character and Technical Data

MAXDOLL									
	CPC40	CPCD40	CP(Q)YD40	CPC45	CPCD45	CP(Q)YD45	CPC50	CPCD50	CP(Q)YD50
mode			Diesel	LPG	Diesel	LPG	Diesel	LPG	
capacity	Q	kg	4000		4500		5000		
center distance	c	mm			500				
g mode					Seated				
sions									
height,extended (With backrest)	H2	mm			4250				
itting height	H	mm			3000				
(mast lowered)	H1	mm			2275				
itting height	H3	mm			150				
st height (measured from the surface of the fork)	H13	mm			1250				
measured from the surface of the fork to the overhead guard	H6	mm			1250				
of overhead guard	H4	mm			2350				
l length (with/without fork)	L/L'	mm			4460/3240				
overhang	L2	mm			560				
verhang	L3	mm			580				
base	L1	mm			2100				
g coupling height	H9	mm			300				
d clearance (laden,between mast)	H5	mm			175				
l width	W1	mm			1480				
ce across fork-arms, Max./Min.	W5	mm			1340/300				
front/rear	W3/W2	mm			1180/1190				
outside turning radius	r	mm			2930				
ternal turning radius	r'	mm			215				
ight angle stacking aisle width	Ra	mm			2900				
ngle stacking aisle width et 1000 x1200mm	α/β	deg			4690				
ngle stacking aisle width et 800 x1200mm	L4xWxT	mm			4890				
lt angle (forward/backward)	Ast	mm			6/12				
ze	Ast	mm			1070x150x50				
t									
weight		kg	6290	6460	6490	6660	6750	6920	
ad (laden,front/rear)		kg	8675/1615	8815/1645	9600/1390	9680/1480	10430/1320	10500/1420	
ad (unladen,front/rear)		kg	2772/3518	2776/3694	2830/3660	2865/3795	2860/3890	2965/3955	
s									
s,number front/rear (x=driven wheels)			2X/2(Double-tyre 4X/2)						
pe					Pneumatic tyre				
ze,front			8.25-15-14PR		300-15-18PR				
ze,rear			7.00-12-14PR		7.00-12-14PR				
e-tyre size (front/rear)			8.25-15-14PR/7.00-12-14PR						
data									
e brake					Vacuum assisted braking-pedal type (mechanical truck)/ hydraulic assisted braking-pedal type(hydrodynamic truck)				
g brake					Mechanical-hand lever				
nk capacity					90				



ity and the horizontal axis
in the front of the fork. The base
position of the cube with
forward, nonstandard fork usage
will be reduced. Different load
in time through load chart.

4-5t Wide View

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

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 (CP(CD type, CP (O) YD type).

4-5t Full Free

Mast model	Max.lifting height (mm)	Load capacity (load center 500mm)			service weight			mast overall height (fork to the ground)	free lifting height (with backrest)	max a
		4t	4.5t	5t	4t	4.5t	5t			
ZM261	2610	4000	4500	5000	6340(6510)	6540(6710)	6800(6970)	2110	900	6
ZM271	2710	4000	4500	5000	6355(6525)	6555(6725)	6815(6985)	2160	950	6
ZM300	3000	4000	4500	5000	6397(6567)	6597(6767)	6857(7027)	2305	1095	6
ZM330	3300	4000	4500	5000	6441(6611)	6641(6811)	6901(7071)	2455	1245	6
ZM350	3500	4000	4500	5000	6470(6640)	6670(6840)	6930(7100)	2555	1345	6
ZM375	3750	4000	4500	5000	6506(6676)	6706(6876)	6966(7136)	2680	1470	6
ZM400	4000	4000	4500	5000	6563(6733)	6763(6933)	7023(7193)	2805	1595	6
ZM450	4500	*3700 *4000	*4200 *4500	*4500 *5000	6635(6805)	6835(7005)	7095(7265)	3055	1845	6
ZM500	5000	*3200 *3400	*3600 *4000	*4000 *4200	6708(6878)	6908(7078)	7168(7338)	3305	2095	6
ZM550	5500	2900	3200	3600	6824(6994)	7024(7194)	7284(7454)	3555	2245	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

(cf. CD-type, cf. (Q) TD-type).

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