HELI

K2 系列3-3.5t
内燃平衡重式叉车

K2 series

3-3.5t Internal Combustion
Counterbalanced Forklift Truck



全新升级




全新升级
可靠 经济 舒适 高效
Reliable / Economic / Comfortable / Efficient
工业设计新理念全新造型设计 / 以人为本的安全性和可靠性设计
舒适的人机界面交互设计 / 更加注重作业效率的功能设计
• New appearance with industrial design concept
• Safety and reliability with people oriented concept
• Comfortable human-machine interaction
• Controls design emphasizing working efficiency


K2
HELI
节能环保设计，油耗降低5%以上
More environment friendly and energy saving with oil consumption reduced by 5%
主流竞品中转弯半径最小
Smallest turning radius among main competitive products
整机液压油温降低15℃
15℃ reduced hydraulic oil temperature
发动机水温降低近10℃
10℃ reduced engine coolant temperature
传动油温降低近15℃
15℃ reduced transmission oil temperature
管路系统压损下降1.5MPa
1.5MPa lowered pipeline system pressure
上车踏板空间增大20%以上
20% enlarged egress and ingress pedal
横向视野同比增加48mm
48mm improved lateral view


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舒适性提升20%
Operation comfort is 20% improved
方向盘直径减少，降低手臂疲劳度
踏板空间加大
座椅加宽更舒适
仪表背光设计醒目易读，
同时电控发动机标配增加故障代码显示功能
门架横向视野增加
增加下降缓冲
头部空间加大
The diameter of steering wheel is reduced to reduce arm fatigue.
The space for pedal is enlarged.
Widen seat is more comfortable.
Backlight design of meter is easy for reading and for electric
controlled engine, fault code shown on the meter is the standard
configuration.
The horizontal view of mast is improved.
Lowering buffering is configured.
Head space is enlarged.
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可靠性提升40% Reliability 40% improved

- 铸造转向桥
- 门架强度、刚度提升
- 前悬缩小，整车稳定性提高
- 驱动桥密封性能提升
- 轮辋加强设计
- 护顶架强度、刚度提升
- 电气系统防护等级提升，电气零部件模块化设计
- 液压管路密封性能提高
- 整机散热性能提高
- 门架、车体承载能力加强，安全性能提高

- Casted steering axle
- Improved mast strength and rigidity
- Reduced front overhang improves truck stability.
- The sealing performance of drive axle is improved.
- Enhanced design of rim
- The strength and rigidity of overhead guard are improved.
- The protection level of electric system is improved and the electrical parts adopts modular design.
- The sealing performance of hydraulic pipeline is improved.
- The cooling performance of the truck is improved.
- The loading capacity of mast and frame is improved and the safety performance is improved.

维修便捷性进一步提升
The performance of easy maintenance is further improved.



- 驱动桥改进提升，减少维护频率
- 仪表增加故障代码显示功能，大幅提升整车维保效率
- 机罩80° 开启角度，提升了维修便捷性
- 增大发动机与变速箱结合处空间，提升机油滤清维修便捷性
- 单根42芯电器盒，检修方便
- 液压管路采用24° 锥面密封，拆装更加便捷

- The drive axle is improved to reduced maintenance frequency.
- Fault code is displayed on the meter to improve truck maintenance efficiency.
- The opening angle of engine hood reaches to 80° facilitating the access to maintenance.
- The contact space between engine and transmission box is enlarged and it is easy for engine oil filter maintenance.
- The electric box with single wire and 42 cores is easy for maintenance.
- The 24° conical sealing is adopted on hydraulic pipeline and it is easy for assembly and disassembly.

作业效率 提升20%
The operation efficiency is 20% improved

- 3.5t起升速度大幅提升
- 转弯半径主流竞品最小
- 转向手柄与灯开关集成操作方便

- The lifting speed for 3.5t truck is largely improved.
- Comparing with the other competing products, the steering radius is the smallest.
- The lights switch is integrated on steering knob and it is convenient for operation.

产品更加节能降耗
Better performance in energy saving and consumption reducing

- 油耗降低
- 压损降低
- 标配LED光源

- The oil consumption is reduced.
- The pressure loss is reduced.
- LED lights are standard.



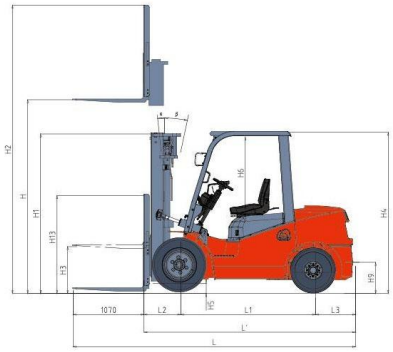
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制造商和技术参数 Manufacturer and technical parameters

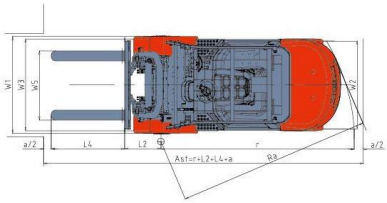
	特性	Characteristics									
1.01	制造商	Manufacturer			HELI						
1.02	型号	Model			CPC30	CPCD30	CPC35	CPCD35	CPC30	CPCD30	CPC35	CPCD35
1.03	起升重量	Rated capacity		kg	3000	3000	3500	3500	3000	3000	3500	3500
1.04	载荷中心	Load center		mm	500	500	500	500	500	500	500	500
1.05	动力方式	Power type			柴油 Diesel							
1.06	驾驶方式	Driving mode			座驾式 Sit- on type							
	尺寸	Dimensions										
2.01	起升高度(标准)	Lifting height (standard)	H	mm	3000		3000		3000		3000	
2.02	门架全高(货叉落地,门架垂直)	Mast overall height(Fork to the ground and mast be vertical)	H1	mm	2070		2120		2070		2120	
2.03	货叉起升最大高度(带挡货架)	Max.fork lifting height(With backrest)	H2	mm	4227		4177		4227		4177	
2.04	自由起升高度	Free lift height	H3	mm	155		160		155		160	
2.05	全高(护顶架)	Overall height(Overhead guard)	H4	mm	2140		2140		2140		2140	
2.06	最小离地间隙(门架处)	Min.groung clearance(At the mast)	H5	mm	135		135		135		135	
2.07	座椅面至护顶架距离	Distance from the surface of the seat to the overahead guard	H6	mm	1000		1000		1000		1000	
2.08	牵引销高度	Traction pin height	H9	mm	310		310		310		310	
2.09	挡货架高(门架货叉面算起)	Backrest height(Calculated from the surface of the fork)	H13	mm	1227		1177		1227		1177	
2.10	全长(含货叉/不含货叉)	Overall length(With fork/Without fork)	(L/L')	mm	3819/2740		3827/2754		3819/2740		3827/2754	
2.11	轴距	Wheel base	L1	mm	1750		1750		1750		1750	
2.12	前悬距	Front overhang	L2	mm	479		484		479		484	
2.13	后悬距	Rear overhang	L3	mm	520		520		520		520	
2.14	全宽	Overall width	W1	mm	1225		1225		1225		1225	
2.15	轮距(前/后)	Tread (Front tread/Rear tread)	(W3/W2)	mm	1000/970				1000/970			
2.16	货叉调节范围(货叉外侧)(最大/最小)	Fork adjustable range(the external of the fork)(Max./Min.)	W5	mm	1060/250		1060/250		1060/250		1060/250	
2.17	最小外侧转弯半径	Min.turning radius(Exterior)	r	mm	2400		2400		2400		2400	
2.18	最小内侧转弯半径	Min.turning radius(Interior)	r'	mm	100		100		100		100	
2.19	最小直角通道宽度	Min.right angle stacking aisle width	Ra	mm	2350		2350		2350		2350	
2.20	门架倾角(前/后)	Mast tilting angle (forward /rear)	α/β	deg.	6°/12°		6°/12°		6°/12°		6°/12°	
2.21	货叉尺寸	Fork size	L4xWxT	mm	1070x125x45		1070x125x50		1070x125x45		1070x125x50	
	重量	Weight										
3.01	总重	Total weight		kg	4265		4550		4265		4550	
3.02	重量分配 满载(前/后)	Weight distribution loaded (Front/Rear)		kg	6424/841		7240/810		6424/841		7240/810	
3.03	重量分配 空载(前/后)	Weight distribution unloaded (Front/Rear)		kg	1745/2520		1771/2779		1745/2520		1771/2779	
	车轮和轮胎	Wheel and tyre										
4.01	车轮数量 X=驱动轮(前/后)	Wheel number x = drive wheel (Front/Rear)			2X/2							
4.02	轮胎类型(前/后)	Tyre type(Front/Rear)			充气胎 Pneumatic tyre							
4.03	轮胎尺寸(前/后)	Tyre size(Front/Rear)			28x9-15-14PR 7.5-10-10PR		28x9-15-14PR 7.5-10-10PR		28x9-15-14PR 7.5-10-10PR		28x9-15-14PR 7.5-10-10PR	
4.04	行车制动器	Service brake			液压-踏板式 Hydraulic-foot Pedel							
4.05	停车制动器	Parking brake			机械-手动式 Mechanical-Hand lever							

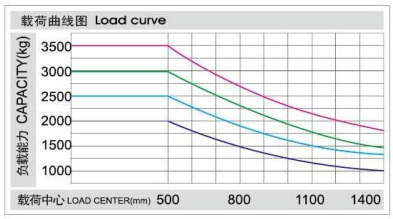
可选配的叉车发动机型号及其主要技术参数 Engine Model and Main Specification for Option

发动机型号 Engine model	额定功率/转速 Rated power/rotating speed (Kw/rpm)	额定扭矩/转速 Rated power/rotating speed (Nm/rpm)	发动机排量 Engine displacement (L)	发动机缸数-缸径x行程 Cylinder number - BorexStroke	排放标准 Emission
锡柴4DW91- 50GAG3U Xichai 4DW91- 50GAG3U	36.8/2500	165/1500~1800	2.67	4-90x105/2.67	国Ⅲ China III
新昌4D27XG30 Xinchang 4D27XG30	36.8/2500	165/1500~1800	2.67	4-90x105/2.67	国Ⅲ China III



RASA: 直角堆垛通道宽度 right angle stacking aisle width
a: 间隙 Clearance
L4: 货叉长度 Length of fork





CPC20/CPCD20 CPC25/CPCD25 CPC30/CPCD30 CPC35/CPCD35

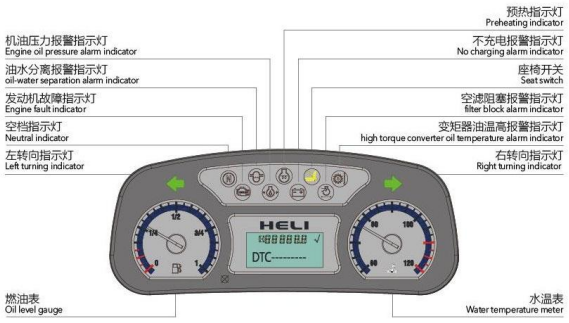
注:
竖轴表示承载量，横轴表示载荷中心。载荷中心是从货叉正面计算起，标准载荷的基点是指负荷边长为1000毫米的立方体中心位置。当门架前倾、使用非标准货叉或装载超过正常宽度的负荷时，将会使承载量减少。通过负荷曲线图，能及时地了解标准门架在各种载荷中心时的承载能力。

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.

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整车主要性能参数及驱动、传动控制装置 Truck main specifications and drive and transmission control device

性能	Performance								
型号	Model		CPC30	CPCD30	CPC35	CPCD35	CPC30	CPCD30	CPC35	CPCD35
最高行驶速度（满载/空载）	Max. Travelling speed (loaded/unloaded)	km/h	18/19	19/19	18/19	19/19	19/19	19/19	19/19	19/19
起升速度（满载/空载）	Lifting Speed (Loaded/Unloaded)	mm/s	455/480	455/480	400/420	400/420	455/480	455/480	400/420	400/420
下降速度（满载/空载）	Lowing Speed (Loaded/Unloaded)	mm/s	450/500	450/500	450/500	450/500	450/500	450/500	450/500	450/500
最大牵引力（满载/空载）	Max.drawbar pull (Loaded/Unloaded)	kN	14.3/13.6	18.6/13.8	14.2/13.8	18.5/13.9	14.3/13.6	19.2/13.8	14.4/13.8	19.3/13.9
最大爬坡度（满载/空载）	Max.Gradeability (Loaded/Unloaded)	%	17/23	22/24	16/22	20/23	17/24	23/24	20/22	21/23
驱动、传动控制装置	Drive and transmission control device									
蓄电池（电压/容量）	Battery(Voltage/Capacity)	V/Ah	12/80				12/80			
发动机制造厂商/型号	Engine manufacturer /mode		云内YN4A055-34CR				全柴4C2-50C41			
额定功率/转速	Rated power/Rotational speed	kW/rpm	36.8/2500				36.8/2500			
最大扭矩/转速	Max. torque/Rotational speed	Nm/rpm	170/1500~1900				170/1400~2000			
缸数-缸径x行程/排量	Cylinder number-Bore×Stroke/Displacement	/L	4-90x105/2.67				4-90x105/2.67			
发动机排量	Engine displacement	L	2.67				2.67			
燃油箱容积	Engine fuel tank capacity	L	70				70			
排放标准	Emission		国Ⅲ China Stage Ⅲ				国Ⅲ China Stage Ⅲ / 京四 Beijing Ⅳ			
变速箱变速档数	Tranmission box shifting gears		1–1动力换挡 1–1 Power shift / 2–2手动换挡T/M 2–2 Manual shift T/M							



可靠的专用仪表
Reliable special designed instrument

- 可靠的专用仪表将整车运行状态、故障检测等重要信息完整地显示出来，使操作者更直观、方便地了解车辆状态。
- Reliable special meter display the whole truck's working condition, fault detect and other important information completely which make the operator master the whole truck condition directly and conveniently.

标准配置 Standard configuration

货叉	Fork	传动油滤芯	Filter core of transmission oil
水温表	Water temperature gauge	倒车蜂鸣器	Backward buzzer
牵引销	Traction pin	变速箱油标尺	Transmission oil gauge
挡货架	Backrest	液压回路滤芯	Filter of hydraulic oil circuit
护顶架	Overhead guard	空档安全开关	Safety switch for neutral gear
电喇叭	Electric horn	护顶架防雨罩	Rain proof for overhead guard
倒车灯	Reversing light	进气装置	Air intaking device
计时表	Hour meter	花纹耐用轮胎	Durable tyre with pattern
油量表	Fuel gauge	拉索式停车制动	Cable type parking brake
充电指示	Charging indicator	液压油标尺	Hydraulic oil gauge
随车工具	Operator's tool kit	预热指示	Preheating indicator
油压报警	Oil pressure alarm	全液压动力转向	Full hydraulic powered steering
转向指示灯	Steering indicator	起升油路限速阀	Flow regulator for lifting oil circuit
宽视野门架	Wide view mast	起升和倾斜操纵杆	Levers for lifting and tilting
标准座椅	Standard seat	旋风式空气滤清器	Cyclone air cleaner
前大灯	Front lamp	倾斜可调转向管柱	Adjustable tilting steering column
后部组合灯	Rear combined light	发动机自动预热系统	Engine automatic preheating system
成形踏板垫	Shaped pedal pad	电熄火	Electric flameout
二片多路阀	Control valve (two throws)	发动机故障指示	Engine fault indicator

选用装置 Optional

驾驶室	cab
速度表	Speedometer
灭火器	Fire extinguisher
实心轮胎	Solid tyre
后工作灯	Rear working light
辅助管路	Auxiliary pipe
悬浮座椅	Suspension seat
用户指定颜色	Custom paint
变速箱油温表	Temperature gauge
驾驶室暖风机	of transmission oil Heater
高排气装置	High installed exhaust
倾斜缸护套	Sleeve of tilting cylinder

选购属具 Available attachment

串杆	Carpet boom
吊钩	Lifting hook
侧移器	Side shifter
纸卷夹	Paper roll clamp
旋转叉	Rotating fork
起重臂	Cargo boom
加长货叉	Lengthen fork
多用桶夹	Multi-function drum clamp
旋转平抱夹	Rotating clamp
加宽货叉架	Widen fork carrier
货叉加长套	Lengthen fork extension
载荷稳定器	Load stabilizer
载荷推出器	Push-pull
倾翻叉、倾翻斗	Tilting fork/bucket
宽视野二级全自由门架	Wide view two stage free lift mast
宽视野三级全自由门架	Wide view three stage free lift mast

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