

CPCD 50/60/70 /80/90/100 W2K2



EMPOWER THE WORLD



5-10 t

K2 series Internal Combustion
Counterbalanced Forklift Truck



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**TRAVEL STEADILY TO
REACH THE FUTURE**

LIFT HEAVY LOADS WITH EASE



ECONOMIC AND ENERGY SAVING

01~02



SAFE AND RELIABLE

03~04



SMART AND COMFORTABLE

05~06



CONVENIENT MAINTENANCE

07~08

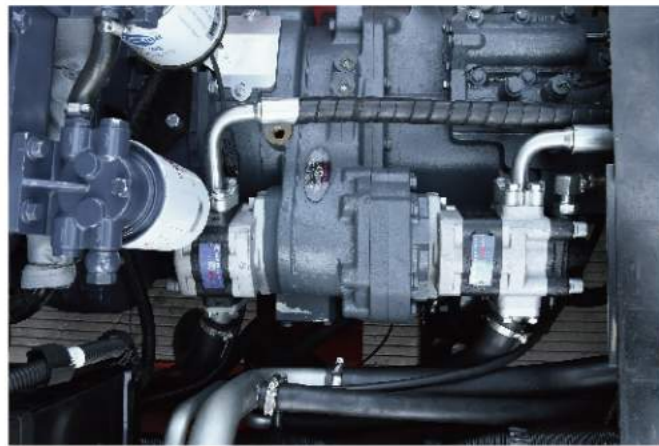
ECONOMIC AND ENERGY SAVING



Classic engine, energy saving and reliable



Standard LED lamps, energy saving, more brighter, long service life



Load sensing steering and dual pump confluence technology, energy consumption reduce by 10%



SAFE AND RELIABLE



The independently developed gearbox has experienced nearly 30 years of technical innovation and market validation

TCast steel driving axle housing ensure reliable structure; Standard drum brake, wet brake as optional.



Rain test



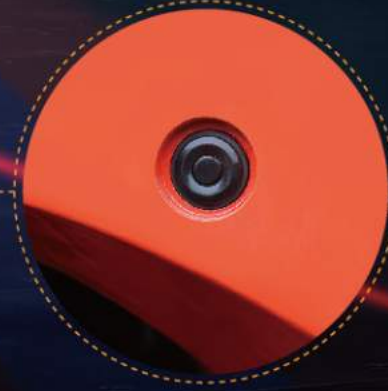
Impact test of overhead guard



Frame type upper beam, more reasonable structure, enhance the rigidity and strength



Large diameter hydraulic pipe, Standard 24 degrees conical seal.



Optional configurations for safety: Three sides lights, Rear working lamps, Blue light, Extinguisher, Warning light, Reversing radar and camera.

SMART AND COMFORTABLE



The rubber hose is hidden behind the chain to achieve good front view.



Standard cup seat. Option USB connector



Ratchet type hand brake



Cabinet with lock



Electro-hydraulic direction changing device



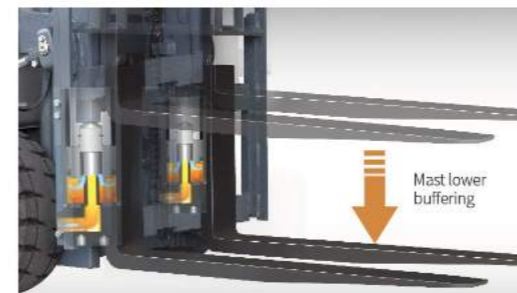
Integrated light switch

RELIABLE SPECIAL DESIGNED INSTRUMENT



Reliable special meter displays the whole truck's working condition, fault detect and other important information completely which makes the operator master the whole truck condition directly and conveniently.

*: Some model options.



Standard mast lower buffering, while lift buffering is fitted for full free mast to achieve better operation experience.



Standard semi-enclosed seat, which is more comfortable for drivers.



Large steering angle axle is equipped to get smaller turning radius.



The rear view is more larger by optimizing the structure of counterweight.

CONVENIENT MAINTENANCE

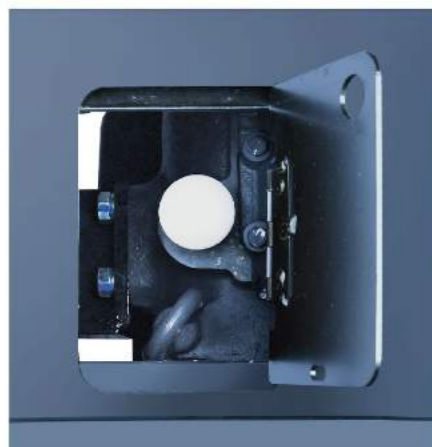


Large opening angle hood

Two-stages opening cabin door (optional)

Removable triangular side cover

80°



Floor board with checking hole, which is convenient to gearbox maintenance.



Standard 9 inch air filter with iron shell is helpful to extend maintenance period.



Integrated electrical cabinet, dustproof and waterproof, easy to check



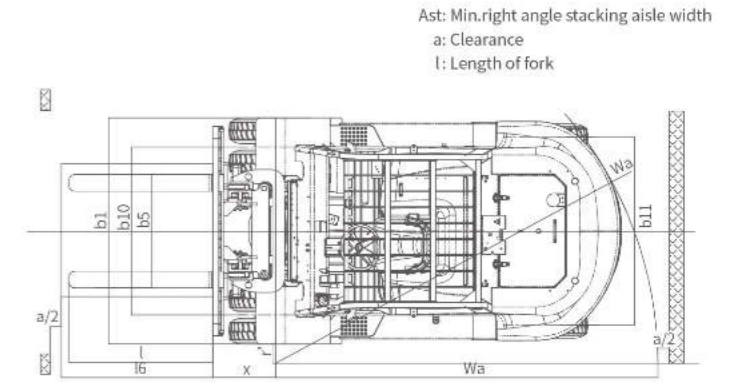
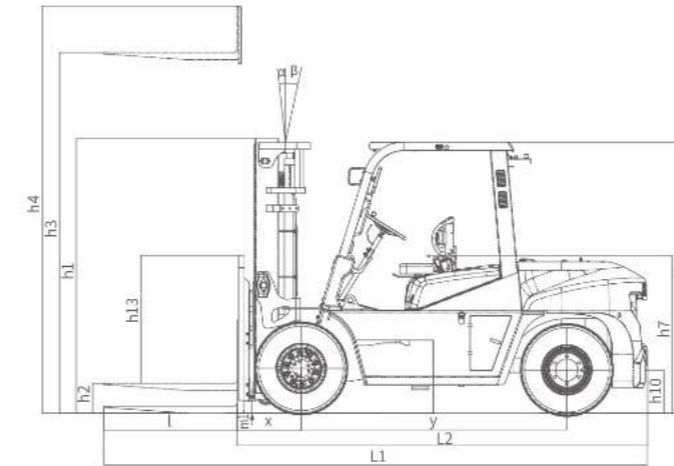
Radiator cover with supporting rod can open to 80 degrees. It is convenient to check.



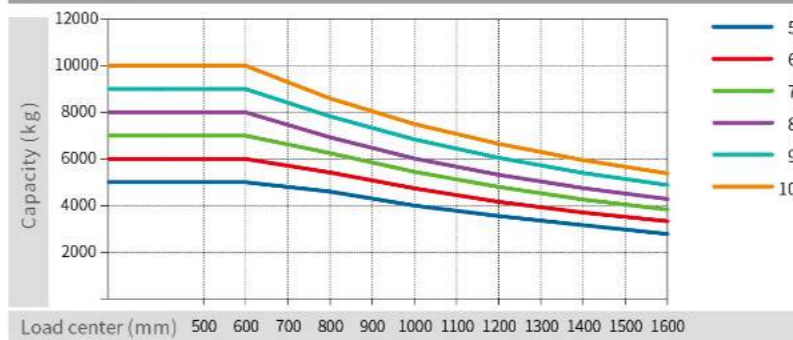
Standard steering axle cylinder sleeve, which is more reliable for harsh working condition. Reasonable grease fitting layout makes lubrication more easy.

MANUFACTURER AND TECHNICAL DATA

1.0	Manufacturer	HELI							
2.0	Model	CPCD50	CPCD60	CPCD70	CPCD80	CPCD90	CPCD100		
3.0	Configuration number	W2K2							
Characteristics									
4.01	Rated capacity	kg	5000	6000	7000	8000	9000	10000	
4.02	Load center distance	mm	600						
4.03	Power mode		Diesel						
4.04	Driving mode		Seat-type						
4.05	Front overhang	x mm	575	580	585	695	685	700	
4.06	Wheelbase	y mm	2400			2400	2550	2850	
4.07	Total weight	kg	8000	8570	9170	10040	11450	12300	
Dimension parameter									
5.01	Mast tilt angle (forward/backward)	α/β °	6/12						
5.02	Height (mast lowered)	h1 mm	2480			2547	2700	2850	
5.03	Free lifting height	h2 mm	155	160	165	170	190	200	
5.04	Lifting height (standard)	h3 mm	3000						
5.05	Max. height,extended (with backrest)	h4 mm	4400			4467	4250	4415	
5.06	Height of overhead guard	h6 mm	2450			2510	2560		
5.07	Seat height relating to SIP (to ground)	h7 mm	1430			1490	1540		
5.08	Towing coupling height	h10 mm	390			450	475		
5.09	Ground clearance (between mast)	m1 mm	180			245	250		
5.10	Backrest height (Calculated from the surface of the fork)	h13 mm	1360	1350	1345	/	/	/	
5.11	Overall length (with fork)	L1 mm	4770	4850	4890	5020	5180	5440	
5.12	Overall length (without fork)	L2 mm	3550	3630	3670	3800	3960	4220	
5.13	Overall width	b1 mm	2044			2124	2164		
5.14	Fork adjustable range (the external of the fork)(Max./Min.)	b5 mm	300-1845			370-1750	470-1990	470-2100	
5.15	Fork size:thickness x width x length	s/e/l mm	55x150x1220	60x150x1220	65x150x1220	70x150x1220	80x175x1220		
5.16	Tread, front	b10 mm	1520			1520	1600	1600	
5.17	Tread, rear	b11 mm	1700			1700	1700	1700	
5.18	Right angle stacking aisle width for pallet 1000 x1200mm crossways	Ast mm	5230	5280	5350	5470	5740	6060	
5.19	Min. outside turning radius	Wa mm	3250	3300	3350	3400	3630	3940	
Performance Data									
6.01	Travel speed (laden/unladen)	km/h	25/29	25/29	25/29	25/29	25/29	25/29	
6.02	Lift speed (laden/unladen)	mm/s	500/530	500/530	500/530	450/480	390/420	330/350	
6.03	Lowering speed (laden/unladen)	mm/s	WITHOUT LOAD \geq 300 WITH FULL LOAD \leq 600						
6.04	Max.drawbar pull (laden)	kN	60	60	60	60	60	60	
6.05	Max.gradeability (laden/unladen)	%	35/20	32/20	30/20	38/20	25/20	20/20	
Tyres									
7.01	Wheels,number front/rear (x=driven wheels)		4X/2						
7.02	Tyre type front/rear		Pneumatic-tyre						
7.03	Tyre size,front		8.25-15-14PR			8.25-20-14PR	9.00-20-14PR		
7.04	Tyre size,rear		8.25-15-14PR			8.25-15-14PR	9.00-20-14PR		
Combustion-engine									
8.01	Engine manufacturer/Moel		ISUZU 6BG1QC-02						
8.02	Rated power/Speed	Kw/rpm	82/2000						
8.03	Max. torque/Speed	Nm/rpm	415/1400-1600						
8.04	Cylinder number-bore x stroke	/L	6-105x125/6.5						
8.05	Fuel tank capacity	L	140						
Other									
9.01	Transmission type		Hydraulic transmission - mechanical shift(electro-hydraulic directional change optional)						
9.02	Transmission number of speed (fwd/bwd)		2/2						
9.03	Service brake		Powered brake-pedal type						
9.04	Parking brake		Mechanical-hand brake lever type						
9.05	Operating pressure for attachments	mpa	20.5			23	20.5	20.5	
9.06	Battery voltage/Capacity	V/Ah	2X12/80						



Load curve



Note: The vertical axis stands for load capacity and the horizontal axis stands for load center which is calculated from the front surface of the forks to the gravity of the standard load,the standard load means a cubic with 1200mm edge length.When mast is tilted forward,using non-standard forks or loading large goods, the load capacity will be reduced.The load capacity of standard mast at different load center can be known from this load chart.

8T MAST PARAMETERS

Mast type	Mast model	Max.lifting height (mm)	Load capacity (lode center 600mm)(kg)	Height (mast lowered)(mm)	Free lift height (with backrest) (mm)	Service weight (kg)		Mast tilt angle α/β (°)
						CPCD80	CPCD80	
Wide View Standard Mast	M220	2200	8000	2147	170	10136	6°/12°	
	M250	2500	8000	2297	170	10174	6°/12°	
	M270	2700	8000	2397	170	10201	6°/12°	
	M300	3000	8000	2547	170	10240	6°/12°	
	M330	3300	8000	2697	170	10279	6°/12°	
	M350	3500	8000	2797	170	10305	6°/12°	
	M375	3750	8000	2922	170	10338	6°/12°	
	M400	4000	8000	3097	170	10471	6°/12°	
	M425	4250	8000	3222	170	10503	6°/12°	
	M450	4500	8000	3347	170	10536	6°/12°	
Full Free 2-Stage Mast	M475	4750	7850	3472	170	10569	6°/6°	
	M500	5000	7700	3597	170	10602	6°/6°	
	M530	5300	7500	3797	170	10653	6°/6°	
	M550	5500	7300	3897	170	10766	6°/6°	
	M600	6000	7000	4147	170	10832	6°/6°	
	ZM250	2500	8000	2277	1020	10096	6°/12°	
	ZM270	2700	8000	2377	1120	10111	6°/12°	
	ZM300	3000	8000	2527	1270	10141	6°/12°	
	ZM330	3300	8000	2677	1420	10166	6°/12°	
	ZM350	3500	8000	2777	1520	10196	6°/12°	
Full Free 3-Stage Mast	ZM375	3750	8000	2902	1645	10206	6°/12°	
	ZM400	4000	8000	3077	1820	10311	6°/12°	
	ZM425	4250	8000	3202	1945	10336	6°/12°	
	ZM450	4500	8000	3327	2070	10371	6°/12°	
	ZM475	4750	7850	3452	2195	10391	6°/6°	
	ZM500	5000	7700	3577	2320	10411	6°/6°	
	ZM550	5500	7300	3877	2620	10561	6°/6°	
	ZM600	6000	7000	4127	2870	10601	6°/6°	
	ZSM360	3600	6700	2402	1100	10778	6°/6°	
	ZSM400	4000	6700	2527	1225	10837	6°/6°	
ZSM435	4350	6700	2652	1350	10892	6°/6°		
ZSM480	4800	6700	2807	1505	10967	6°/6°		
ZSM500	5000	6700	2872	1570	10995	6°/6°		
ZSM540	5400	6500	3007	1705	11060	6°/6°		
ZSM600	6000	6100	3202	1900	11243	6°/6°		
ZSM650	6500	5500	3472	2170	11354	6°/6°		
ZSM700	7000	5000	3577	2275	11405	6°/6°		

Note:1) 8t:free lift without backrest. 2) With internal sideshift, the lifting weight is reduced by 200kg.

Table with columns: Mast type, Mast model, Max. lifting height (mm), Load capacity (kg) for CPCD50/60/70, Height (mm) for CPCD50/60/70, Free lift height (mm) for CPCD50/60/70, Service weight (kg) for CPCD50/60/70, Mast tilt angle α/β (°) for CPCD50/60/70. Rows include Wide View Standard Mast, Full Free 2-Stage Mast, and Full Free 3-Stage Mast models.

Note: 1) 5-t: the free lift without backrest 260mm increase. 2) 7t: the free lift without backrest 180mm increase. 3) With internal sideshift, the lifting weight is reduced by 200kg. With external sideshifter, the lifting weight reduced by 300kg.

Table with columns: Mast type, Mast model, Max. lifting height (mm), Load capacity (kg) for CPCD90/100, Height (mm) for CPCD90/100, Free lift height (mm) for CPCD90/100, Service weight (kg) for CPCD90/100, Mast tilt angle α/β (°) for CPCD90/100. Rows include Wide View Standard Mast, Full Free 2-Stage Mast, and Full Free 3-Stage Mast models.

Note: 1) 9-10t: free lift without backrest. 2) With internal sideshift, the lifting weight is reduced by 200kg.

Table with columns: Configuration, General forklift (Isuzu). Rows include Packaging method, Economic and energy saving, Intelligent security, Reliability, Comfortable and convenient, and Top frame options.

Note: ● Standard ; ○ Optional

Table with columns: Configuration, General forklift (Isuzu). Rows include Cab/wind shield, Lifting system, Lights, Tyre, and Others.

Note: ● Standard ; ○ Optional