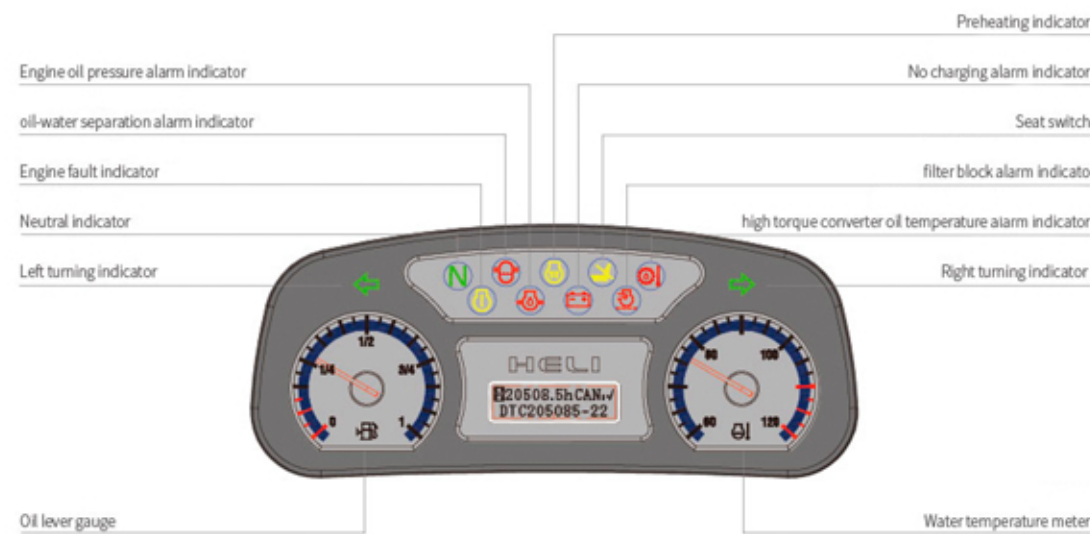


Reliable special designed instrument



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.

Standard configuration	Optional	Available attachment
<ul style="list-style-type: none"> Fork Water temperature gauge Traction pin Backrest Overhead guard Electric horn Reversing light Hour meter Fuel gauge Charging indicator Operator's tool kit Oil pressure alarm Steering indicator Wide view mast Standard seat Front lamp Rear combined light Shaped pedal pad Control valve (two throws) Filter core of transmission oil Backward buzzer Transmission oil gauge Filter of hydraulic oil circuit Safety switch for neutral gear Rain proof for overhead guard Air intaking device Durable tyre with pattern Cable type parking brake Hydraulic oil gauge Preheating indicator Full hydraulic powered steering Flow regulator for lifting oil circuit Levers for lifting and tilting Cyclone air cleaner Adjustable tilting steering column Engine automatic preheating system Electric flameout Engine fault indicator 	<ul style="list-style-type: none"> Cab Speedometer Fire extinguisher Solid tyre Rear working light Auxiliary pipe Suspension seat Custom paint Temperature gauge of transmission oil Heater High installed exhaust Sleeve of tilting cylinder Smart fleet management system (optional) 	<ul style="list-style-type: none"> Carpet boom Lifting hook Side shifter Paper roll clamp Rotating fork Cargo boom Lengthen fork Multi-function drum clamp Rotating clamp Widen fork carrier Lengthen fork extension Load stabilizer Push-pull Tilting fork/bucket Wide view two stage free lift mast Wide view three stage free lift mast

2-3.5 t

K2 series Internal Combustion Counterbalanced Forklift Truck



K2 2-3.5 t



Reliability 40% improved

- 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.

Better performance in energy saving and consumption reducing

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

The operation efficiency is 20% improved

- 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.

Operation comfort is 20% improved

- 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 to read 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.

The performance of easy maintenance is further improved

- The drive axle is improve 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 core is easy for maintenance.
- The 24° conical sealing is adopted on hydraulic pipeline and it is easy for assembly and disassembly.



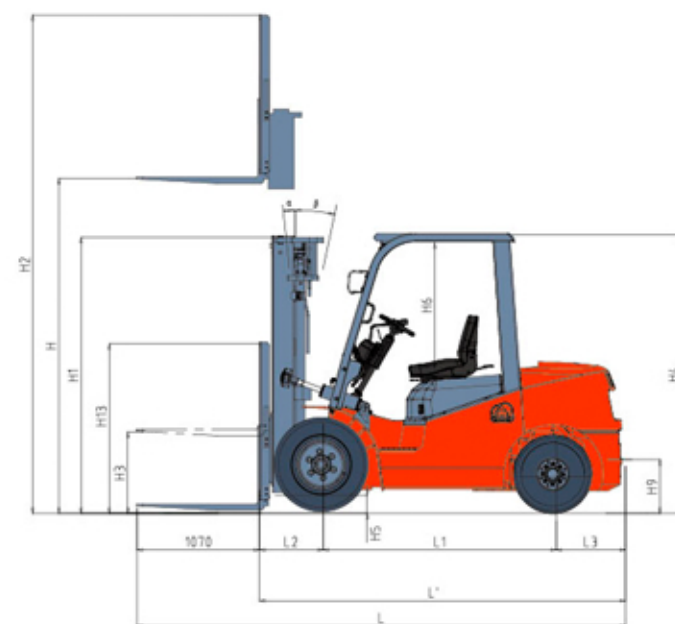
HELI smart fleet management system (optional)

- Vehicle positioning
- Remote diagnosis
- Remote monitoring
- Maintenance reminder
- Battery management
- Statistical form
- Vehicle management
- Identification recognition (optional)
- Weight management (optional)
- Collision management (optional)

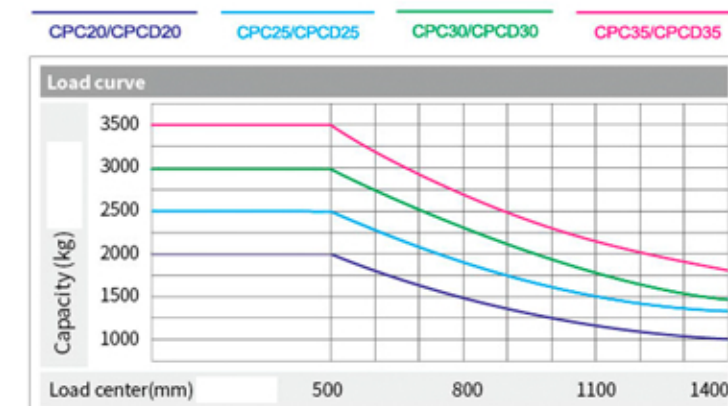
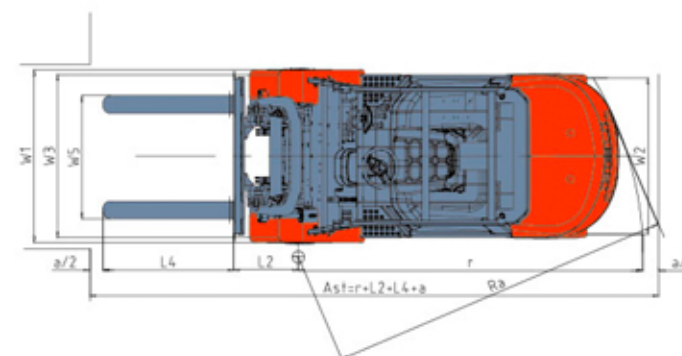


Manufacturer and technical parameters

Characteristics											
1.01	Manufacturer	HELI									
1.02	Model	CPC20	CPCD20	CPC25	CPCD25	CPC30	CPCD30	CPC35	CPCD35	CPC20	CPCD20
1.03	Rated capacity	kg	2000	2500	3000	3500	2000	2500	3000	3500	
1.04	Load center	mm	500	500	500	500	500	500	500	500	
1.05	Driving mode		Diesel								
1.06	Power type		Sit-ontype								
Dimensions											
2.01	Lifting height (standard)	H	mm	3000	3000	3000	3000	3000	3000	3000	3000
2.02	Mast overall height(Fork to the ground and mast be vertical)	H1	mm	2000	2000	2070	2120	2000	2000	2070	2120
2.03	Max.fork lifting height(With backrest)	H2	mm	4030	4030	4217	4217	4030	4030	4217	4217
2.04	Free lift height	H3	mm	150	150	155	160	150	150	155	160
2.05	Overall height(Overhead guard)	H4	mm	2120	2120	2140	2140	2120	2120	2140	2140
2.06	Min.groung clearance(At the mast)	H5	mm	115	115	135	135	115	115	135	135
2.07	Distance from the surface of the seat to the overhead guard	H6	mm	1050	1050	1050	1050	1050	1050	1050	1050
2.08	Traction pin height	H9	mm	290	290	310	310	290	290	310	310
2.09	Backrest height(Calculated from the surface of the fork)	H13	mm	1000	1000	1182	1177	1000	1000	1182	1177
2.10	Overall length(With fork/Without fork)	(L/L)	mm	3460/2390	3680/2610	3819/2740	3827/2754	3460/2390	3680/2610	3819/2740	3827/2754
2.11	Wheel base	L1	mm	1650	1650	1750	1750	1650	1650	1750	1750
2.12	Front overhang	L2	mm	465	465	478	484	465	465	479	484
2.13	Rear overhang	L3	mm	425	495	520	520	425	495	520	520
2.14	Overall width	W1	mm	1160	1160	1225	1225	1160	1160	1225	1225
2.15	Tread (Front tread/Rear tread)	(W3/W2)	mm	970/970	1000/970	1000/970	1000/970	970/970	1000/970	1000/970	1000/970
2.16	Fork adjustable range(the external of the fork)(Max/Mn)	W5	mm	1030/244	1030/244	1060/250	1060/250	1030/244	1030/244	1060/250	1060/250
2.17	Min.turning radius(Exterior)	r	mm	2215	2270	2400	2400	2215	2270	2400	2400
2.18	Min.turning radius(Interior)	r'	mm	35	35	80	80	35	35	80	80
2.19	Min.right angle stacking aisle width	Ra	mm	2235	2290	2360	2360	2235	2290	2360	2360
2.20	Mast tilting angle (forward /rear)	α/β	deg.	6°/12°	6°/12°	6°/12°	6°/12°	6°/12°	6°/12°	6°/12°	6°/12°
2.21	Fork size	L4xWxT	mm	920x122x40	1070x122x40	1070x125x45	1070x125x50	920x122x40	1070x122x40	1070x125x45	1070x125x50
Weight											
3.01	Total weight	kg	3300	3645	4265	4550	3300	3645	4265	4550	
3.02	Weight distribution loaded (Front/Rear)	kg	4714/586	5433/712	6424/841	7240/810	4714/586	5433/712	6424/841	7240/810	
3.03	Weight distribution unloaded (Front/Rear)	kg	1544/1756	1470/2175	1745/2520	1771/2779	1544/1756	1470/2175	1745/2520	1771/2779	
Wheel and tyre											
4.01	Wheel number x = drive wheel (Front/Rear)		2X/2								
4.02	Tyre type(Front/Rear)		Pneumatic tyre								
4.03	Tyre size(Front/Rear)		7.00-12-12PR/6.00-9-10PR	28x9-15-14PR/6.5-10-10PR	28x9-15-14PR/6.5-10-10PR	7.00-12-12PR/6.00-9-10PR	28x9-15-14PR/6.5-10-10PR	28x9-15-14PR/6.5-10-10PR	7.00-12-12PR/6.00-9-10PR	28x9-15-14PR/6.5-10-10PR	28x9-15-14PR/6.5-10-10PR
4.04	Service brake		Hydraulic-foot Pedel								
4.05	Parking brake		Mechanical-Hand lever								



RASA: right angle stacking aisle width
a: Clearance
L4: Length of fork



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.

Truck main specifications and drive and transmission control device

Performance																	
Model		CPC20	CPC20	CPC25	CPC25	CPC30	CPC30	CPC35	CPC35	CPC20	CPC20	CPC25	CPC25	CPC30	CPC30	CPC35	CPC35
Max Travelling speed (loaded/unloaded)	km/h	18/18		18/18		18/19		19/19		18/19		19/19		18/18		18/18	
Lifting Speed (Loaded/Unloaded)	mm/s	500/550		500/550		455/480		400/420		500/550		500/550		455/480		400/420	
Lowing Speed (Loaded/Unloaded)	mm/s	450/500		450/500		450/500		450/500		450/500		450/500		450/500		450/500	
Max.drawbar pull (Loaded/Unloaded)	kN	17/12	17/12	18/12.5	18/12.5	19/15	19/16	19/14	19/16	17/12	17/12	18/12.5	18/12.5	19/15	19/16	19/14	19/16
Max.Gradeability (Loaded/Unloaded)	%	27/29	27/37	25/23	31/23	22/23	22/26	20/22	20/25	27/29	27/37	25/23	31/23	22/23	22/26	20/22	20/25
Drive and transmission control device																	
Battery(Voltage/Capacity)	V/Ah	12/80															
Engine manufacturer /mode		YN4A055-34CR / Quanchai 4C2-50C41(High fan)															
Rated power/Rotational speed	kW/rpm	36.8/2500															
Max. torque/Rotational speed	Nm/rpm	170/1500~1900 / 170/1400~2000															
Cylinder number-Bore X Stroke/Displacement	/L	4-90x105/2.67 / 4-90x105/2.67															
Engine displacement	L	2.67															
Engine fuel tank capacity	L	70															
Emission		China Stage / Beijing IV															
Transmission box shifting gears		1-1 Power shift / 2-2 Manual shift T/M															

Engine Model and Main Specification for Option

Engine model	Rated power/ rotating speed (Kw/rpm)	Rated power/ rotating speed (Nm/rpm)	Engine airplacement (L)	Cylinder number - BorexStroke	Emission
Xichai 4DW91-50GAG3U	36.8/2500	165/1500~1800	2.67	4-90x105/2.67	China Stage
Xinchang 4D27XG40/505(High fan)	36.8/2500	165/1500~1800	2.67	4-90x105/2.67	China Stage III/ Beijing IV

WIDE VIEW MAST

mast model	lifting height mm	load capacity (load center 500mm)				mast overall height (fork to the ground)			service weight				angle (°)α/β
		2t	2.5t	3t	3.5t	2-2.5t	3t	3.5t	2t	2.5t	3t	3.5t	
M200	2000	2000	2500	3000	3500	1500	1570	1620	3225	3560	3560	4455	6/12
M250	2500	2000	2500	3000	3500	1750	1820	1870	3270	3610	3610	4505	6/12
M300	3000	2000	2500	3000	3500	2000	2070	2120	3300	3645	3645	4550	6/12
M330	3300	2000	2500	3000	3500	2150	2220	2270	3345	3680	3680	4590	6/12
M350	3500	2000	2500	3000	3500	2250	2320	2370	3365	3700	3700	4610	6/12
M370	3700	2000	2500	3000	3500	2350	2420	2470	3380	3715	3715	4630	6°/12°
M400	4000	2000	2500	3000	3500	2500	2570	2620	3450	3790	3790	4710	6°/12°
M425	4250	1900	2250	2850	3100	2675	2745	2795	3475	3815	3815	4740	6°/12°
M450	4500	1900	2400	3000	3050	2800	2870	2920	3495	3835	3835	4765	6°/12°
M500	5000	1600	1650	2400	2500	3050	3120	3170	3540	3880	3880	4815	6°/12°
M550	5500	*1600	*1950	*2400	*2500	3350	3420	3470	3630	3970	3970	4915	6°/12°
M600	6000	*1500	*1800	*2200	*2300	3600	3670	3720	3675	4015	4015	4970	*3/6

Note: (1) *stands for the rated capacity when the front tyre is double-tyre. (2) When the front tyre of the 2-3.5t truck is double tyre, the service weight of the truck is the weight in the table plus 110kg.

WIDE VIEW FULL FREE 2-STAGE MAST

mast model	lifting height mm	load capacity (load center 500mm)				mast overall height (fork to the ground)			free lifting height (with backrest)			service weight				mast tilting angle (°)α/β
		2t	2.5t	3t	3.5t	2-2.5t	3t	3.5t	2t	2.5t	3t	3.5t	2t	2.5t	3t	
ZM200	2000	2000	2500	3000	3500	1500	1570	1620	500	340	443	3260	3560	4210	4485	6/12
ZM250	2500	2000	2500	3000	3500	1750	1820	1870	750	590	693	3310	3645	4060	4535	6/12
ZM300	3000	2000	2500	3000	3500	2000	2070	2120	1000	840	943	3360	3700	4310	4640	6/12
ZM330	3300	2000	2500	3000	3500	2150	2220	2270	1150	990	1093	3390	3730	4340	4620	6/12
ZM350	3500	2000	2500	3000	3500	2250	2320	2370	1250	1090	1193	3410	3745	4360	4640	6/12
ZM370	3700	2000	2500	3000	3500	2350	2420	2470	1350	1190	1293	3430	3765	4380	4660	6°/12°
ZM400	4000	2000	2500	3000	3500	2500	2570	2620	1500	1390	1493	3505	3845	4460	4735	6°/12°
ZM425	4250	1900	2250	2850	3100	2675	2745	2795	1675	1515	1618	3530	3870	4485	4760	6°/12°
ZM450	4500	1900	2400	3000	3050	2800	2870	2920	1800	1640	1743	3560	3895	4515	4790	6°/12°
ZM500	5000	1600	1650	2400	2500	3050	3120	3170	2050	1890	1993	3610	3945	4565	4845	6°/12°
ZM550	5500	*1600	*1950	*2400	*2500	3350	3420	3470	2350	2190	2293	3705	4045	4665	4945	*3/6
ZM600	6000	*1500	*1800	*2200	*2300	3600	3670	3720	2540	2440	2543	3755	4095	4720	4995	*3/6

Note: (1) *stands for the rated capacity when the front tyre is double-tyre. (2) When the front tyre of the 2-3.5t truck is double tyre, the service weight of the truck is the weight in the table plus 110kg.

WIDE VIEW FULL FREE 3-STAGE MAST

mast model	Max lifting height mm	load capacity (load center 500mm)				mast overall height (fork to the ground)			free lifting height (with backrest)			service weight				mast tilting angle (°)α/β
		2t	2.5t	3t	3.5t	2-2.5t	3t	3.5t	2t	2.5t	3t	3.5t	2t	2.5t	3t	
ZSM360	3600	2000	2400	2900	3250	1800	1870	1870	800	640	690	3495	3835	4470	4705	6-6
ZSM400	4000	1900	2400	2900	3250	1950	2020	2020	950	790	840	3540	3875	4510	4750	6-6
ZSM435	4350	*1900	*2400	*2900	*3050	2050	2120	2120	1050	890	940	3570	3920	4540	4775	6-6
ZSM450	4500</															