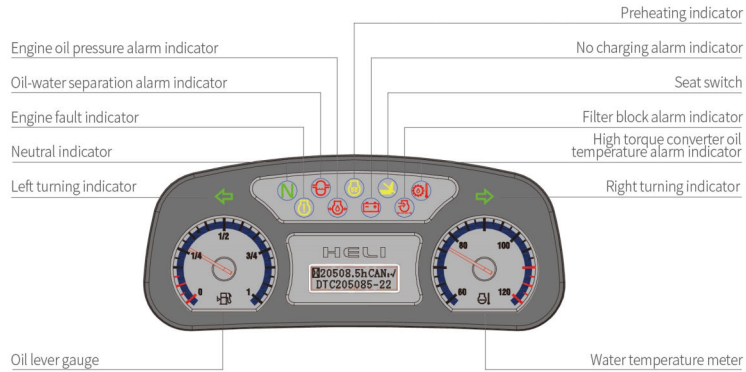


Reliable special designed instrument



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

Standard configuration	Optional	Available attachment
Fork	Filter core of transmission oil	Carpet boom
Water temperature gauge	Backward buzzer	Lifting hook
Traction pin	Transmission oil gauge	Side shifter
Backrest	Filter of hydraulic oil circuit	Paper roll clamp
Overhead guard	Safety switch for neutral gear	Rotating fork
Electric horn	Rain proof for overhead guard	Cargo boom
Reversing light	Air intaking device	Lengthen fork
Hour meter	Durable tyre with pattern	Multi-function drum clamp
Fuel gauge	Cable type parking brake	Rotating clamp
Charging indicator	Hydraulic oil gauge	Widen fork carrier
Operator's tool kit	Preheating indicator	Lengthen fork extension
Oil pressure alarm	Full hydraulic powered steering	Load stabilizer
Steering indicator	Flow regulator for lifting oil circuit	Push-pull
Wide view mast	Lever for lifting and tilting	Tilting fork/bucket
Standard seat	Cyclone air cleaner	Wide view two stage free lift mast
Front lamp	Adjustable tilting steering column	Wide view three stage free lift mast
Rear combined light	Engine automatic preheating system	
Shaped pedal pad	Electric flameout	
Control valve (two throws)	Engine fault indicator	

2-3.8 t

K2 series Internal Combustion Counterbalanced Forklift Truck



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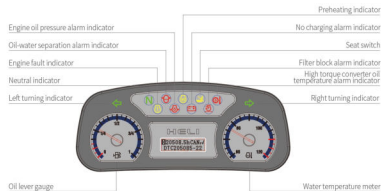


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Control valve (two throws)	Engine fault indicator	

2-3.8t

K2 series Internal Combustion Counterbalanced Forklift Truck



www.heliforklift.net

K2 SERIES 2-3.8t



Reliability 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 24" conical sealing is adopted on the hydraulic pipeline and the sealing performance 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 improved

- The lifting speed improved.
- The steering radius is small.
- The lights switch is integrated on steering knob and it is convenient for operation.

Operation comfort improved

- The diameter of steering wheel is reduced to reduce arm fatigue.
- The space for pedal is enlarged.
- Seat is design with man-machine engineering.
- Backlight design of meter is easy to read and engine fault code is shown on the meter.
- 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.
- Large opening angle of engine hood makes maintenance easier.
- The contact space between engine and transmission box is enlarged and it is easy for engine oil filter maintenance.
- Integrated electric box is easy for maintenance.
- The 24" conical sealing is adopted on hydraulic pipeline and it is easy for assembly and disassembly.

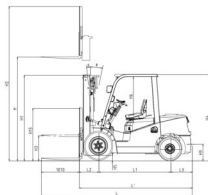


HELI smart fleet management system (optional)

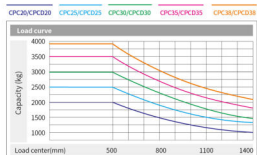
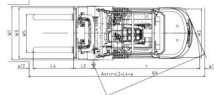
Vehicle positioning	Statistical form
Remote diagnosis	Vehicle management
Remote monitoring	Identification recognition (optional)
Maintenance reminder	Weight management (optional)
Battery management	Collision management (optional)

Manufacturer and technical parameters

Characteristics		HELI										
Model		CPC20	CPCD20	CPC25	CPCD25	CPC30	CPCD30	CPC35	CPCD35	CPC38	CPCD38	
1.03 Rated capacity	kg	2000	2500	3000	3500	3800						
1.04 Load center	mm	500	500	500	500	500						
1.05 Driving mode		Diesel										
1.06 Power type		Sit-ergonomics										
Dimensions												
2.01 Lifting height (standard)	H mm	3000	3000	3000	3000	3000						
2.02 Mast overall height (to the ground and mast to be locked)	H ₁ mm	3000	2000	2070	2120	2180						
2.03 Max. fork lifting height (with backrest)	H ₂ mm	4030	4030	4217	4217	4217						
2.04 Free lift height	H ₃ mm	150	150	155	160	160						
2.05 Overall height (Overhead guard)	H ₄ mm	2120	2120	2140	2140	2140						
2.06 Min. ground clearance (At the mast)	H ₅ mm	115	115	135	135	135						
2.07 Distance from the surface of the seat to the overhead guard	H ₆ mm	1050	1050	1050	1050	1050						
2.08 Traction pin height	H ₇ mm	290	290	310	310	310						
2.09 Backset height (Calculated from the surface of the fork)	H ₈ mm	1000	1000	1182	1177	1177						
2.10 Overall length (With fork/Without fork)	L ₁ mm	3460/2540	3680/2610	3814/2744	3820/2750	3870/2800						
2.11 Wheel base	L ₂ mm	1650	1650	1750	1750	1750						
2.12 Front overhang	L ₃ mm	465	465	478	484	484						
2.13 Rear overhang	L ₄ mm	425	495	520	520	565						
2.14 Overall width	W ₁ mm	1160	1160	1225	1225	1225						
2.15 Tread (Front tread/Rear tread)	B ₁ /B ₂ mm	970/970		1000/970		1000/970						
2.16 Fork adjustable range (the external of the fork)(Max./Min.)	W ₂ mm	1030/244	1030/244	1060/250	1060/250	1060/250						
2.17 Min. turning radius (Exterior)	r mm	2275	2400	2400	2410	2410						
2.18 Min. turning radius (Interior)	r mm	35	35	80	80	80						
2.19 Min. right angle stacking aisle width	R ₁ mm	2235	2290	2360	2360	2420						
2.20 Mast tilting angle (forward/rear)	α/β deg	6°/12°	6°/12°	6°/12°	6°/12°	6°/12°						
2.21 Fork size	L ₁ mm	920x122x40	1070x122x40	1070x125x45	1070x125x50	1070x125x60						
Weight												
3.01 Total weight	kg	3300	3650	4270	4600	4750						
3.02 Weight distribution (Loaded/Front/Rear)	kg	4710/590	5440/710	6430/840	7280/820	7710/840						
3.03 Weight distribution (Unloaded/Front/Rear)	kg	1540/1760	1470/2180	1750/2520	1790/2810	1800/2950						
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										
4.04 Service brake		Hydraulic-foot Pedal										
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		HELI													
Model		CPC20	CPCD20	CPC25	CPCD25	CPC30	CPCD30	CPC35	CPCD35	CPC38	CPCD38	CPC35	CPCD35		
Max. Travelling speed (loaded/unloaded)	km/h	18/18		18/18		18/19		18/19		18/19		18/19			
Lifting Speed (Loaded/Unloaded)	mm/s	500/550		500/550		475/495		400/420		500/550		475/495		400/420	
Lowering Speed (Loaded/Unloaded)	mm/s	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	19/15	19/16	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	22/23	20/24	20/25
Drive and transmission control device															
Battery (Voltage/Capacity)	V/Ah	12/80													
Engine manufacturer /model		XINCHANG 4D27X64/505/High Fan/HPCR													
Rated power/Speed	kW/rpm	36.8/2500													
Max. torque/Speed	Nm/rpm	165/1500-1800													
Cylinder number-Bore x Stroke/Displacement	L	4-90x105/2.67													
Engine fuel tank capacity	L	70													
Emission		China Stage II													
Transmission box shifting gears		1-1 Power Shift T/M / 2-2 Manual Shift T/M													

Engine Model and Main Specification for Option

Engine model	Tonnage	Rated power/ Speed (kW/rpm)	Max. torque/ Speed (Nm/rpm)	Engine displacement (L)	Cylinder number - BorexStroke (mm)	Emission
QUANCHAI 4C3-50V33(E)	2.3-5t	36.8/2500	174/1800	2.98	4-95X105	China Stage III
XINCHANG 4D29G31(High Fan/VP)	2.3-8t	36.8/2500	155/1700-1900	2.9	4-93X105	China Stage III
Mitsubishi s4s	2.3-5t	35.3/2250	177/1700	3.331	4-94X120	Euro Stage III/China Stage III
QUANCHAI 4C2-50V33(High Fan/VP)	2.3-8t	36.8/2500	157/1800	2.85	4-93X105	China Stage III
QUANCHAI 4C4-63C31(High Fan/HPCR)	2.3-8t	46/2500	200/1500-1875	3.17	4-98X105	China Stage III
XINCHANG 4D29X41(High Fan/HPCR)	2.3-8t	36.8/2500	190/1600-1800	2.85	4-93X105	China Stage IV
XINCHANG 4D32X41(High Fan/HPCR)	2.3-8t	36.8/2500	210/1400-1620	3.17	4-98X105	China Stage IV
QUANCHAI V32-50C42(High Fan/HPCR)	2.3-8t	36.8/2500	200/1500-1800	3.17	4-98X105	China Stage IV
QUANCHAI V29-50C42 (High Fan/HPCR)	2.3-8t	36.8/2500	190/1500-1800	2.85	4-93X105	China Stage IV
QUANCHAI V32-50V42 (High fan/VP)	2.3-8t	36.8/2500	170/1800	2.85	4-93X105	China Stage IV
QUANCHAI V32-50V42 (High fan/VP)	2.3-8t	36.8/2500	190/1500-1800	3.17	4-98X105	China Stage IV
XINCHANG 4D29V41(High fan/VP)	2.3-8t	36.8/2500	165/1600-1800	2.85	4-93X105	China Stage IV

WIDE VIEW MAST

Mast model	Max. lifting height (mm)	Load capacity (load center 500mm) (kg)					Mast overall height (fork to the ground) (mm)					Service weight (kg)					Mast tilting angle (°)
		2t	2.5t	3t	3.5t	3.8t	2-2.5t	3t	3.5t	3.8t	2t	2.5t	3t	3.5t	3.8t		
M200	2000	2000	2500	3000	3500	3800	1500	1570	1620	1680	3210	3560	4170	4490	4640	6/12	
M250	2500	2000	2500	3000	3500	3800	1750	1820	1870	1930	3260	3600	4220	4550	4700	6/12	
M300	3000	2000	2500	3000	3500	3800	2000	2070	2120	2180	3300	3650	4270	4600	4750	6/12	
M330	3300	2000	2500	3000	3500	3800	2150	2220	2270	2330	3330	3670	4290	4630	4780	6/12	
M350	3500	2000	2500	3000	3500	3800	2250	2320	2370	2430	3350	3690	4310	4650	4800	6/12	
M370	3700	2000	2500	3000	3500	3700	2350	2420	2470	2530	3360	3710	4330	4670	4820	6/12	
M400	4000	1500	2350	2850	3300	3500	2550	2620	2670	2730	3400	3750	4370	4710	4860	6/12	
M425	4250	1500	2350	2850	3300	3500	2675	2745	2795	2855	3460	3810	4440	4780	4930	6/12	
M450	4500	1500	2350	2850	3300	3500	2800	2870	2920	2980	3830	4180	4810	5150	5300	6/12	
M500	5000	1700	2350	2850	3300	3500	3120	3170	3230	3290	3880	4230	4860	5200	5350	6/12	
M550	5500	1800	2300	2400	2500	2600	3350	3420	3470	3530	3630	3970	4610	4970	5120	6/6	
M600	6000	1500	1800	2200	2300	2400	3600	3670	3720	3780	3670	4020	4650	5010	5170	6/6	

Note: (1) *stands for the rated capacity when the front tyre is double tyre. (2) When the front tyre of the 3.3t 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	Max. lifting height (mm)	Load capacity (load center 500mm) (kg)					Mast overall height (fork to the ground) (mm)					Free lifting height (with backrest) (mm)					Service weight (kg)					Mast tilting angle (°)
		2t	2.5t	3t	3.5t	3.8t	2-2.5t	3t	3.5t	3.8t	2t	2.5t	3t	3.5t	3.8t	2t	2.5t	3t	3.5t	3.8t		
M2M200	2000	2000	2500	3000	3500	3800	1500	1570	1620	1680	500	540	580	620	3580	4390	4510	4660	6/12			
M2M250	2500	2000	2500	3000	3500	3800	1750	1820	1870	1930	790	860	930	990	4240	5050	5170	5320	6/12			
M2M300	3000	2000	2500	3000	3500	3800	2000	2070	2120	2180	1000	1040	1080	1120	4900	5710	5830	5980	6/12			
M2M330	3300	2000	2500	3000	3500	3800	2150	2220	2270	2330	1150	1190	1230	1270	5000	5810	5930	6080	6/12			
M2M350	3500	2000	2500	3000	3500	3800	2250	2320	2370	2430	1250	1290	1330	1370	5100	5910	6030	6180	6/12			
M2M370	3700	2000	2500	3000	3500	3700	2350	2420	2470	2530	1350	1390	1430	1470	5200	6010	6130	6280	6/12			
M2M400	4000	2000	2500	3000	3500	3800	2550	2620	2670	2730	1550	1590	1630	1670	5300	6110	6230	6380	6/12</			