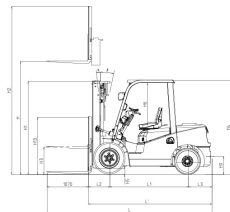
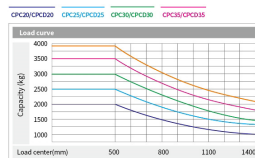
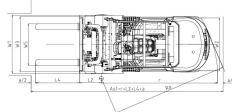


Manufacturer and technical parameters

Characteristics						
1.01 Manufacturer	HELI					
1.02 Model	CPC20	CPCD20	CPC25	CPCD25	CPC30	CPCD30
1.03 Rated capacity	kg	2000	2500		3000	3500
1.04 Load center	mm	500		500		500
1.05 Driving mode	Diesel					
1.06 Power type	Stk. on-type					
Dimensions						
2.01 Lifting height (standard)	H mm	3000	3000		3000	3000
2.02 Mast overall height (to the ground and mast base level)	H1 mm	2000	2000		2070	2120
2.03 Max. fork lifting height (with backrest)	H2 mm	4030	4030		4217	4217
2.04 Free lift height	H3 mm	150	150		155	160
2.05 Overall height (Overhead guard)	H4 mm	2120	2120		2140	2140
2.06 Min. ground clearance (At the mast)	H5 mm	115	115		135	135
2.07 Distance from the surface of the seat to the overhead guard	H6 mm	1050	1050		1050	1050
2.08 Traction pin height	H8 mm	290	290		310	310
2.09 Backrest height (Calculated from the surface of the fork)	H9 mm	1900	1900		1182	1177
2.10 Overall length (With fork/Without fork)	L1 mm	3460/2540	3680/2610		3834/2744	3820/2750
2.11 Wheel base	L2 mm	1650	1650		1750	1750
2.12 Front overhang	L3 mm	465	465		478	484
2.13 Rear overhang	L4 mm	425	465		520	520
2.14 Overall width	W1 mm	1160	1160		1225	1225
2.15 Tread (Front tread/Rear tread)	W2/W3 mm	970/970		1000/970		
2.16 Fork adjustable angle (external of the fork) (Min./Max.)	WS	1030/244	1030/244		1060/250	1060/250
2.17 Min. turning radius (Exterior)	r mm	2215	2270		2400	2400
2.18 Min. turning radius (Interior)	r mm	35	35		80	80
2.19 Min. right angle stacking aisle width	Ra mm	2235	2290		2360	2360
2.20 Mast tilting angle (forward/rear)	αβ deg.	6°/12°		6°/12°		
2.21 Fork size	L4/W4 mm	920x122x40	1070x122x40		1070x125x45	1070x125x50



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, non-standard 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	CPCD20	CPC25	CPCD25	CPC30	CPCD30	CPC35	CPCD35	CPC20	CPCD20	CPC25	CPCD25	CPC30	CPCD30	CPC20	CPCD20	CPC25	CPCD25	CPC30	CPCD30	CPC35	CPCD35		
Max. Travelling speed (loaded/unloaded)	km/h		18/18		19/19		19/19		18/19		18/19		19/20		18/19		18/19		18/19		18/19			
Lifting Speed (Loaded/Unloaded)	mm/s		500/500		475/495		400/420		500/500		500/500		455/480		455/480		400/420		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		450/500		450/500			
Max. drawbar pull (Loaded/Unloaded)	kN		17/12		18/12.5		19/15		19/16		19/14		19/16		16.2/12.5		19.3/11.7		19.5/16		16.5/14		16.5/14	
Max. Gradeability (Loaded/Unloaded)	%		27/29		21/37		25/23		31/23		22/23		22/26		20/22		20/25		18/29		26/32		15/27	
Drive and transmission control device																								
Battery (Voltage/Capacity)	VjAh				12/80				12/80				12/80											
Engine manufacturer / mode	QUANCHAI 4C2-50C41				ISUZU C240				Mitsubishi S45															
Rated power/Speed	kW/rpm				36.8/2500				35.3/2250															
Max. torque/Speed	Nm/rpm				170/1400-2000				139.9/1800				177/1700											
Cylinder number - Bore x Stroke/Displacement	/L				4-90x105/2.67				4-86x102/2.369				4-94x120/3.331											
Engine fuel tank capacity	L				70				70				70											
Emission	China Stage II				China Stage II / Euro Stage IIA				China Stage II / Euro Stage IIA															
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	Truck model	Rated power/ Speed (kW/rpm)	Max. torque/ Speed (Nm/rpm)	Engine displacement (L)	Cylinder number - BorexStroke	Emission
QUANCHAI QC490	CPC20-35-Q22K2 CPCD20-35-Q22K2	39/2650	157/1800	2.67	4-90x105	China Stage II
XINCHANG C490BP6-200	CPC20-35-WC9K2 CPCD20-35-WC9K2	40/2650	160/1800-2000	2.67	4-90x105	China Stage II
XINCHANG A498BT1-398	CPC20-35-WC22K2 CPCD20-35-WC22K2	36.8/2500	186/1600-1800	3.17	4-98x105	Euro Stage IIA
GCT KQ1	CPQ(D)20-30-RC1K2 CPQ(D)20-30-RC1K2	31.2/2200	143.7/1600	2.065	4-89x63	-
GCT KQ2	CPQ(D)25-35-RC1K2 CPQ(D)25-35-RC1K2	37.4/2400	176.5/1600	2.488	4-89X100	-
ISUZU C240	CPC20-30-WS1K2 CPCD20-30-WS1K2	35.4/2500	139.9/1800	2.369	4-86x102	China Stage II / Euro Stage IIA
QUANCHAI 4C2-50C41	CPC20-35-Q13K2 CPCD20-35-Q13K2	36.8/2500	170/1400-2000	2.67	4-90x105	China Stage III
Mitsubishi S45	CPC20-35-M1K2 CPCD20-35-M1K2	35.3/2250	177/1700	3.331	4-94x120	China Stage II / Euro Stage IIA

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 (°)β
		2t	2.5t	3t	3.5t	2-2.5t	3t/3.5t	3t	3.5t	2t	2.5t	3t	3.5t	
M200	2000	2000	2500	3000	3500	1500	1570	1620	3210	3560	4170	4490	6/12	
M250	2500	2000	2500	3000	3500	1790	1820	1870	3260	3600	4220	4550	6/12	
M300	3000	2000	2500	3000	3500	2000	2070	2120	3300	3650	4270	4600	6/12	
M330	3300	2000	2500	3000	3500	2150	2220	2270	3330	3670	4290	4630	6/12	
M350	3500	2000	2500	3000	3500	2290	2320	2370	3350	3690	4310	4650	6/12	
M370	3700	2000	2500	3000	3500	2390	2420	2470	3360	3710	4330	4670	6/12	
M400	4000	1950	2350	2850	3350	2590	2620	2670	3440	3790	4410	4760	6/12	
M425	4250	1900	2300	2800	3300	2675	2745	2795	3460	3810	4440	4780	6/12	
M450	4500	1850	2250	2750	3250	2800	2870	2920	3490	3830	4460	4810	6/12	
M500	5000	1700	2100	2600	3100	3050	3120	3170	3530	3880	4510	4860	6/12	
M550	5500	*1600	*2000	*2400	*2900	3350	3420	3470	3630	3970	4610	4970	6/6	
M600	6000	*1500	*1800	*2100	*2600	3600	3670	3720	3670	4020	4650	5020	6/6	

Note: (1) *stands for the rated capacity when the front tyre is double tyre. (2) When the front tyre of the 3-3.5t 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	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 (°)β
		2t	2.5t	3t	3.5t	2-2.5t	3t	3.5t	2-2.5t	3t/3.5t	3t	3.5t	2t	2.5t	3t	3.5t		
ZM200	2000	2000	2500	3000	3500	1500	1570	1620	300	640	1040	3580	4190	4510	6/12			
ZM250	2500	2000	2500	3000	3500	1790	1820	1870	750	590	693	3290	3630	4140	4560	6/12		
ZM300	3000	2000	2500	3000	3500	2000	2070	2120	1000	640	943	3330	3680	4290	4620	6/12		
ZM330	3300	2000	2500	3000	3500	2150	2220	2270	1150	590	1093	3360	3710	4320	4650	6/12		
ZM350	3500	2000	2500	3000	3500	2290	2320	2370	1250	1090	1193	3380	3730	4340	4670	6/12		
ZM400	4000	2000	2500	3000	3500	2490	2420	2470	1350	1190	1293	3400	3750	4360	4690	6/12		
ZM425	4250	1900	2300	2800	3300	2675	2745	2795	1675	1515	1618	3500	3850	4470	4800	6/6		
ZM450	4500	1850	2250	2750	3250	2800	2870	2920	1800	1640	1743	3530	3880	4490	4830	6/6		
ZM500	5000	1700	2100	2600	3100	3050	3120	3170	2050	1890	1993	3580	3930	4550	4890	6/6		
ZM550	5500	*1600	*2000	*2400	*2900	3350	3420	3470	2350	2190	2293	3680	4030	4650	4990	6/6		
ZM600	6000	*1500	*1800	*2200	*2700	3600	3670	3720	3500	2440	2543	3730	4070	4700	5040	6/6		

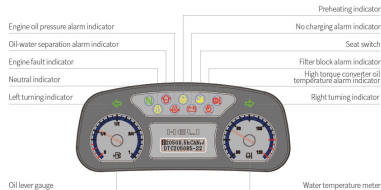
Note: (1) *stands for the rated capacity when the front tyre is double tyre. (2) When the front tyre of the 2-2.5t truck is double tyre, the service weight of the truck is the weight in the table plus 110kg.

WIDE VIEW FULL FREE 3-STAGE MAST

Mast model	Max. lifting height mm	Load capacity (load center 500mm) (kg)				Mast overall height (fork to the ground) (mm)				Free lifting height (with backrest) (mm)				Service weight (kg)				Mast tilting angle (°)β
		2t	2.5t	3t	3.5t	2-2.5t	3t/3.5t	3t	3.5t	2t	2.5t	3t	3.5t					
ZM3000	3000	2000	2400	2900	3500	1800	1870	1900	600	640	3460	3800	4410	4710	6/6			
ZM4000	4000	1900	2400	2900	3500	1990	2020	2050	890	790	3500	3840	4450	4750	6/6			
ZM4400	4500	*1850	*2350	*2850	*3400	2150	2120	2150	890	890	3530	3880	4480	4760	6/6			
ZM4500	4500	1800	2300	2800	3300	2100	2170	2100	940	3540	3890	4490	4770	6/6				
ZM4700	4700	1750	2200	2700	3200	2165	2230	2165	1000	3560	3910	4510	4800	6/6				
ZM4800	4800	1700	2150	2650	3150	2210	2270	2210	1040	3580	3930	4520	4820	6/6				
ZM4900	4900	1650	2100	2600	3100	2260	2370	2300	1140	3600	3940	4530	4830	6/6				
ZM5040	5400	*1700	*2200	*2700	*3200	2400	2470	2400	1240	3630	3980	4580	4880	6/6				
ZM5000	6000	*1400	*1700	*2100	*2600	2600	2670	2600	1440	3730	4080	4680	4880	6/6				

Note: (1) *stands for the rated capacity when the front tyre is double tyre. (2) When the front tyre of the 2-2.5t truck is double tyre, the service weight of the truck is the weight in the table plus 110kg.

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

2-3.5 t

K2 series Internal Combustion Counterbalanced Forklift Truck



K2 SERIES 2-3.5 t



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)



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