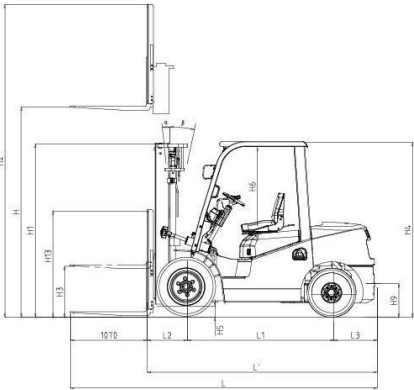


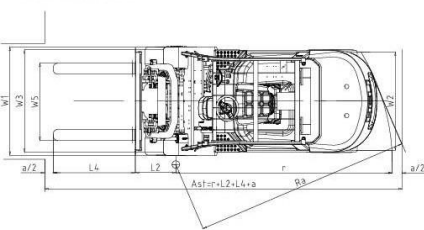
K2 SERIES 2-3.5t

Manufacturer and technical parameters										
Characteristics										
1.01	Manufacturer		HELI							
1.02	Model		CPC20	CPCD20	CPC25	CPCD25	CPC30	CPCD30	CPC35	CPCD35
1.03	Rated capacity	kg	2000		2500		3000		3500	
1.04	Load center	mm	500		500		500		500	
1.05	Driving mode		Diesel							
1.06	Power type		Sit-on type							
Dimensions										
2.01	Lifting height (standard)	H	mm	3000	3000		3000		3000	
2.02	Mast overall height(Fork to the ground and mast be vertical)	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.groung 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	H9	mm	290	290		310		310	
2.09	Backrest height(Calculated from the surface of the fork)	H13	mm	1000	1000		1182		1177	
2.10	Overall length(With fork/Without fork)	(L/L)	mm	3460/2540		3680/2610		3814/2744		3820/2750
2.11	Wheel base	L1	mm	1650	1650		1750		1750	
2.12	Front overhang	L2	mm	465	465		478		484	
2.13	Rear overhang	L3	mm	425	495		520		520	
2.14	Overall width	W1	mm	1160		1160		1225		1225
2.15	Tread (Front tread/Rear tread)	(W3/W2)	mm	970/970			1000/970			
2.16	Fork adjustable range(the external of the fork)(Max./Min.)	W5	mm	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)	α/β	deg.	6°/12°		6°/12°		6°/12°		6°/12°
2.21	Fork size	L4xWxT	mm	920x122x40		1070x122x40		1070x125x45		1070x125x50
Weight										
3.01	Total weight	kg	3300		3650		4270		4600	
3.02	Weight distribution loaded (Front/Rear)	kg	4710/590		5440/710		6430/840		7280/820	
3.03	Weight distribution unloaded (Front/Rear)	kg	1540/1760		1470/2180		1750/2520		1790/2810	
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	
4.04	Service brake		Hydraulic-foot Pedel							
4.05	Parking brake		Mechanical-Hand lever							



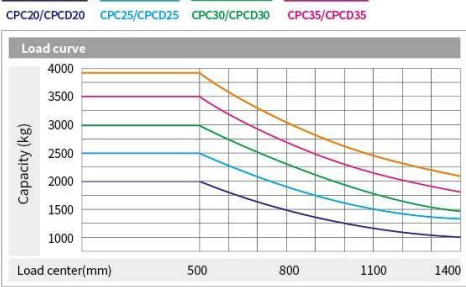
RASA: Right angle stacking aisle width

- a: Clearance
- L4: Length of fork



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		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	500/550		500/550		475/495		400/420		500/550		500/550		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		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	16.2/12.5	16.2/12.5	19.3/11.7	19.3/11.7	19.5/16	19.5/16	16.5/14	16.5/14	19.5/12	19.5/12	20/17	20/17	21.5/14	21.5/14		
Max.Gradeability (Loaded/Unloaded)	%	27/29	27/37	25/23	31/23	22/23	22/26	20/22	20/25	18/29	26/32	15/27	26/27	13/22	19/24	18/29	27/32	16/28	26/28	15/23	20/24	15/23	22/24		
Drive and transmission control device																									
Battery(Voltage/Capacity)	V/Ah	12/80										12/80										12/80			
Engine manufacturer /mode		QUANCHAI 4C2-50C41										ISUZU C240										Mitsubishi S4S			
Rated power/Speed	kW/rpm	36.8/2500										35.4/2500										35.3/2250			
Max. torque/Speed	Nm/rpm	170/1400-2000										139.9/1800										177/1700			
Cylinder number-Bore× 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 III										China Stage III / Euro Stage IIIA										China Stage III / Euro Stage IIIA			
Tranmission 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)
QUANCHAI QC490	CPC20~35-Q22K2 CPCD20~35-Q22K2		39/2650		157/1800	2.67
XINCHANG C490BPG-200	CPC20~35-XC5K2 CPCD20~35-XC5K2		40/2650		160/1800~2000	2.67
XINCHANG A498BT1-39B	CPC20~35-XC22K2 CPCD20~35-XC22K2		36.8/2400		186/1600~1800	3.17
GCT K21	CPQ(D)20~30-RCK2 CPY(D)20~30-RCK2	CPQY(D)20~30-RCK2	31.2/2200		143.7/1600	2.065
GCT K25	CPQ(D)25~35-RC1K2 CPY(D)25~35-RC1K2	CPQY(D)25~35-RC1K2	37.4/2400		176.5/1600	2.488
ISUZU C240	CPC20~30-WS1K2 CPCD20~30-WS1K2		35.4/2500		139.9/1800	2.369
QUANCHAI 4C2-50C41	CPC20~35-Q13K2 CPCD20~35-Q13K2		36.8/2500		170/1400~2000	2.67
Mitubishi S4S	CPC20~35-M1K2 CPCD20~35-M1K2		35.3/2250		177/1700	3.331



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.

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 (°)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	3210	3560	4170	4490	6°/12
M250	2500	2000	2500	3000	3500	1750	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	2250	2320	2370	3350	3690	4310	4650	6°/12
M370	3700	2000	2500	3000	3500	2350	2420	2470	3360	3710	4330	4670	6°/12
M400	4000	1950	2350	2850	3200	2550	2620	2670	3440	3790	4410	4760	6°/12
M425	4250	1900	2200	2750	3100	2675	2745	2795	3460	3810	4440	4780	6°/12
M450	4500	1700	1950	2550	2950	2800	2870	2920	3490	3830	4460	4810	6°/12
M500	5000	1500	1700	2400	2850	3050	3120	3170	3530	3880	4510	4860	6°/12
M550	5500	*1600	*2000	*2400	*2500	3350	3420	3470	3630	3970	4610	4970	*6°/6
M600	6000	*1500	*1800	*2200	*2300	3600	3670	3720	3670	4020	4650	5020	*6°/6

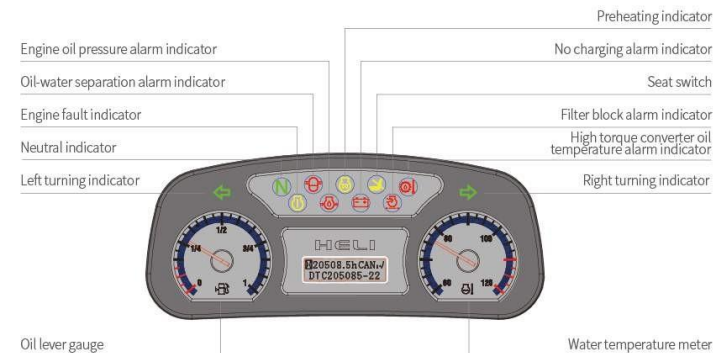
Note: (1) *stands for the rated capacity when the front tyre is double tyre. (2) When the front tyre of the 2-3.5t truck is double tyre, the service weight of the truck is the weight in the table plus 110kg.

WIDE VIEW FULL FREE 2-STAGE MAST																
Mast model	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 (°)α/β
		2t	2.5t	3t	3.5t	2-2.5t	3t	3.5t	2-2.5t	3t	3.5t	2t	2.5t	3t	3.5t	
ZM200	2000	2000	2500	3000	3500	1500	1570	1620	500	340	443	3240	3580	4190	4510	6/12
ZM250	2500	2000	2500	3000	3500	1750	1820	1870	750	590	693	3290	3630	4240	4560	6/12
ZM300	3000	2000	2500	3000	3500	2000	2070	2120	1000	840	943	3330	3680	4290	4620	6/12
ZM330	3300	2000	2500	3000	3500	2150	2220	2270	1150	990	1093	3360	3710	4320	4650	6/12
ZM350	3500	2000	2500	3000	3500	2250	2320	2370	1250	1090	1193	3380	3730	4340	4670	6/12
ZM370	3700	2000	2500	3000	3500	2350	2420	2470	1350	1190	1293	3400	3750	4360	4690	6/12
ZM400	4000	2000	2350	2850	3200	2550	2620	2670	1550	1390	1493	3480	3820	4440	4770	6/12
ZM425	4250	1900	2200	2750	3100	2650	2720	2770	1650	1515	1618	3500	3850	4470	4800	6/12
		*2000	*2500	*3000	*3200	2675	2745	2795	1675	1515	1618	3500	3850	4470	4800	6/12
ZM450	4500	1700	2000	2500	2850	2800	2870	2920	1800	1640	1743	3530	3870	4490	4830	6/6
		*1700	*2000	*2500	*2850	2800	2870	2920	1800	1640	1743	3530	3870	4490	4830	6/6
ZM500	5000	1500	1700	2200	2450	3050	3120	3170	2050	1890	1993	3580	3920	4550	4890	6/6
		*1700	*2200	*2450	*2850	3050	3120	3170	2050	1890	1993	3580	3920	4550	4890	6/6
ZM550	5500	*1600	*2000	*2400	*2500	3350	3420	3470	2350	2190	2293	3680	4020	4650	4990	6/6
ZM600	6000	*1500	*1800	*2200	*2300	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 2-3.5t truck is double tyre, the service weight of the truck is the weight in the table plus 110kg.

HELI

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
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	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)
		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

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www.forklift-nusantara.com



HELI

2-3.5 t

K2 series Internal Combustion Counterbalanced Forklift Truck



www.forklift-nusantara.com

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)