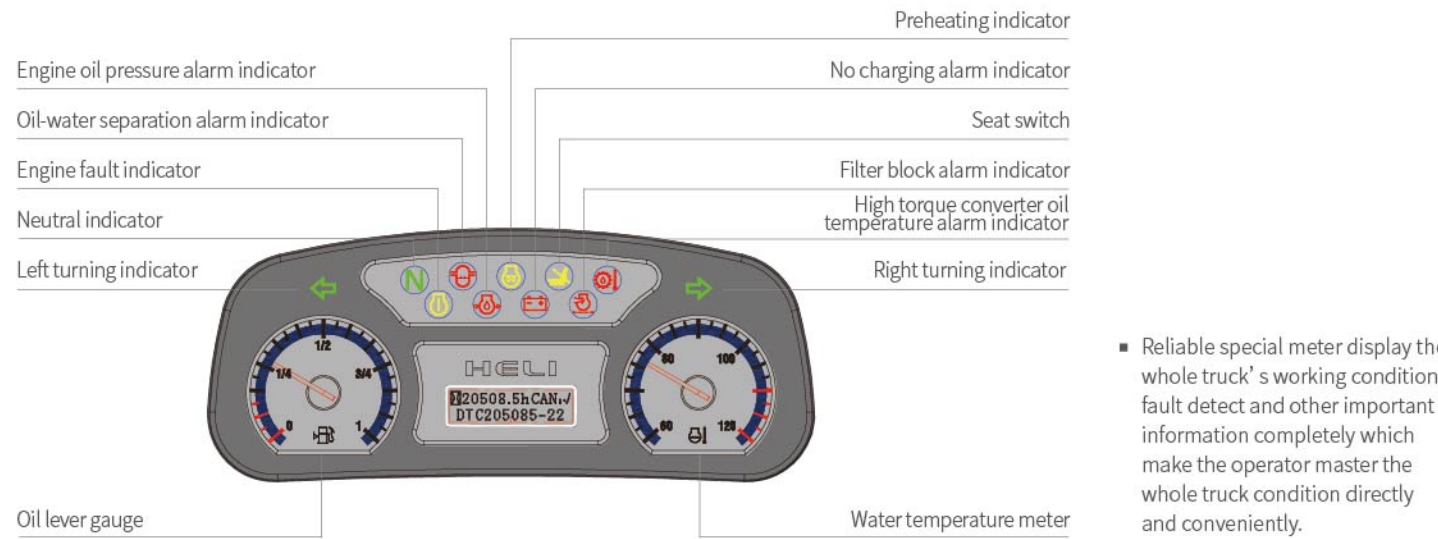


Reliable special designed instrument



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	Filter core of transmission oil	Cab	Carpet boom
Water temperature gauge	Backward buzzer	Speedometer	Lifting hook
Traction pin	Transmission oil gauge	Fire extinguisher	Side shifter
Backrest	Filter of hydraulic oil circuit	Solid tyre	Paper roll clamp
Overhead guard	Safety switch for neutral gear	Rear working light	Rotating fork
Electric horn	Rain proof for overhead guard	Auxiliary pipe	Cargo boom
Reversing light	Air intaking device	Suspension seat	Lengthen fork
Hour meter	Durable tyre with pattern	Custom paint	Multi-function drum clamp
Fuel gauge	Cable type parking brake	Temperature gauge	Rotating clamp
Charging indicator	Hydraulic oil gauge	of transmission oil Heater	Widen fork carrier
Operator's tool kit	Preheating indicator	High installed exhaust	Lengthen fork extension
Oil pressure alarm	Full hydraulic powered steering	Sleeve of tilting cylinder	Load stabilizer
Steering indicator	Flow regulator for lifting oil circuit	Smart fleet management system	Push-pull
Wide view mast	Levers for lifting and tilting	(optional)	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



www.heliforklift.net

K2 SERIES 2-3.8 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.

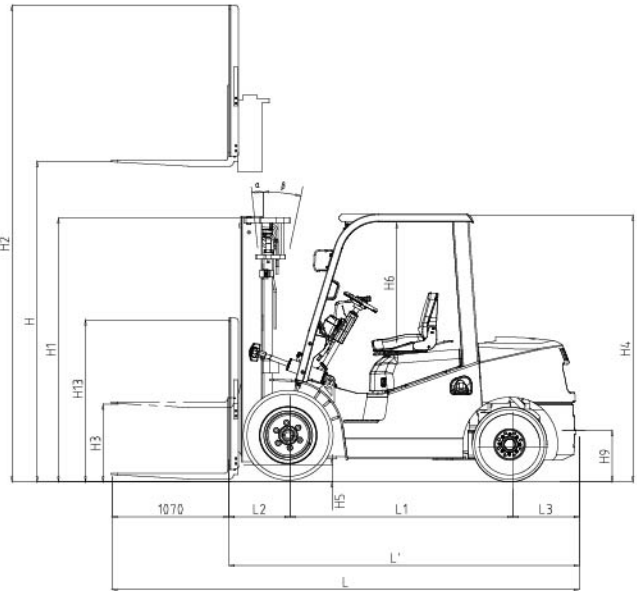


HELI smart fleet management system (optional)

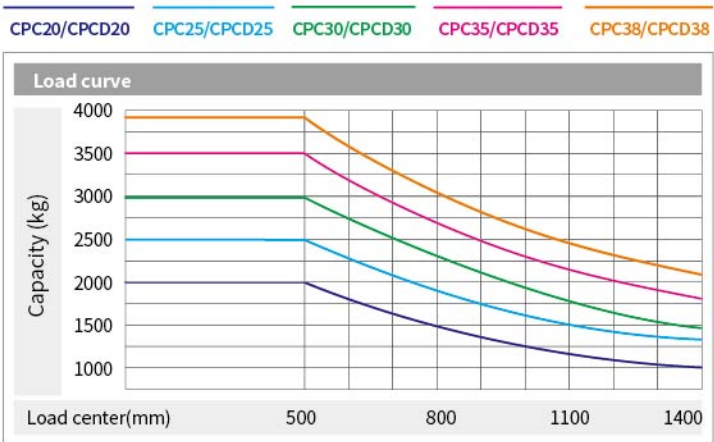
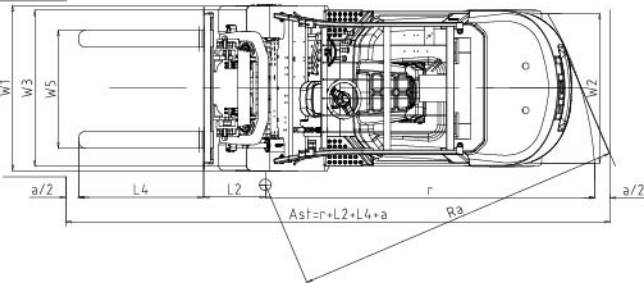
Vehicle positioning	Statistical form
Remote diagnosis	Vehicle management
Remote monitoring	Identification recognition (optional)
Maintenance reminder	Weight management (optional)
Battery management	Collision management (optional)

K2 SERIES 2-3.8 t

Manufacturer and technical parameters									
Characteristics									
1.01	Manufacturer								
1.02	Model		CPC20	CPCD20	CPC25	CPCD25	CPC30	CPCD30	CPC35
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	
2.02	Mast overall height(Fork to the ground and mast be vertical)	H1	mm	2000		2000		2070	
2.03	Max.fork lifting height(With backrest)	H2	mm	4030		4030		4217	
2.04	Free lift height	H3	mm	150		150		155	
2.05	Overall height(Overhead guard)	H4	mm	2120		2120		2140	
2.06	Min.ground clearance(At the mast)	H5	mm	115		115		135	
2.07	Distance from the surface of the seat to the overhead guard	H6	mm	1050		1050		1050	
2.08	Traction pin height	H9	mm	290		290		310	
2.09	Backrest height(Calculated from the surface of the fork)	H13	mm	1000		1000		1182	
2.10	Overall length(With fork/Without fork)	(L4)	mm	3460/2540		3680/2610		3814/2744	
2.11	Wheel base	L1	mm	1650		1650		1750	
2.12	Front overhang	L2	mm	465		465		478	
2.13	Rear overhang	L3	mm	425		495		520	
2.14	Overall width	W1	mm	1160		1160		1225	
2.15	Tread (Front tread/Rear tread)	(W3/W2)	mm	970/970		1000/970		1000/970	
2.16	Fork adjustable range(the external of the fork)(Max./Min.)	W5	mm	1030/244		1030/244		1060/250	
2.17	Min.turning radius(Exterior)	r	mm	2215		2270		2400	
2.18	Min.turning radius(Interior)	r'	mm	35		35		80	
2.19	Min.right angle stacking aisle width	Ra	mm	2235		2290		2360	
2.20	Mast tilting angle (forward /rear)	α/β	deg.	6°/12°		6°/12°		6°/12°	
2.21	Fork size	L4xWxT	mm	920x122x40		1070x122x40		1070x125x45	
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		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	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					
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 C490BPG-200	CPC20-35-XC5K2 CPCD20-35-XC5K2	40/2650	160/1800-2000	2.67	4-90x105	China Stage II
XINCHANG A498BT1-39B	CPC20-35-XC22K2 CPCD20-35-XC22K2	36.8/2400	186/1600-1800	3.17	4-98x105	Euro Stage IIIA
GCT K21	CPQ(D)20-30-RCK2 CPY(D)20-30-RCK2	31.2/2200	143.7/1600	2.065	4-89x83	-
GCT K25	CPQ(D)25-35-RC1K2 CPY(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 III / Euro Stage IIIA
QUANCHAI 4C2-50C41	CPC20-35-Q13K2 CPCD20-35-Q13K2	36.8/2500	170/1400-2000	2.67	4-90x105	China Stage III
Mitsubishi S4S	CPC20-35-M1K2 CPCD20-35-M1K2	35.3/2250	177/1700	3.331	4-94x120	China Stage III / Euro Stage IIIA
XINCHANG 4D29X41(High fan)	CPC(D)20-38-XC29K2	36.8/2500	190/1600-1800	2.85	4-93x105	China Stage IV
XINCHANG 4D32X41(High fan)	CPC(D)20-38-XC24K2	36.8/2500	210/1400-1600	3.17	4-98x105	China Stage IV
QAUNCHAI V32-50C42(High fan)	CPC(D)20-38-Q17K2	36.8/2500	200/1500-1800	3.17	4-98x108	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 (°)α/β
		2t	2.5t	3t	3.5t	3.8t	2-2.5t	3t	3.5t	3.8t	2.5t	3t	3.5t	3.8t	
M200	2000	2000	2000	2500	3000	3500	1500	1620	1680	1680	3210	3560	4170	4490	6/12
M250	2500	2000	2500	3000	3500	3800	1750	1820	1870	1930	3260	3600	4220	4550	6/12
M300	3000	2000	2500	3000	3500	3800	2000	2070	2120	2180	3300	3650	4270	4600	6/12
M330	3300	2000	2500	3000	3500	3800	2150	2220	2270	2330	3330	3670	4290	4630	6/12
M350	3500	2000	2500	3000	3500	3800	2250	2320	2370	2430	3350	3690	4310	4650	6/12
M370	3700	2000	2500	3000	3500	3700	2350	2420	2470	2530	3360	3710	4330	4670	6/12
M400	4000	1950	2350	2850	3200	3600	2550	2620	2670	2730	3440	3790	4410	4760	6/12
M425	4250	1900	2200	2750	3100	3350	2675	2745	2795	2855	3460	3810	4440	4780	6/12
M450	4500	1900	2200	2750	3100	3350	2675	2745	2795	2855	3460	3810	4440	4780	6/12
M500	5000	1500	1700	2400	2450	2650	3050	3120	3170	3230	3530	3880	4510	4860	6/6
M550	5500	1600	2000	2400	2450	2650	3350	3420	3470	3530	3630	3970	4610	4970	6/6
M600	6000	1500	1800	2200	2300	-	3600	3670	3720	3780	4020	4650	5020	5170	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	3.8t	2-2.5t	3t	3.5t	3.8t	2-2.5t	3t	3.5t	3.8t	2t	2.5t	3t	3.5t	3.8t	
ZM200	2000	2000	2500	3000	3500	3800	1500	1570	1620	1680	500	340	443	503	3240	3580	4190	4510	4660	6/12
ZM250	2500	2000	2500	3000	3500	3800	1750	1820	1870	1930	750	590	693	753	3290	3630	4240	4560	4710	6/12
ZM300	3000	2000	2500	3000	3500	3800	2000	2070	2120	2180	1000	840	943	1003	3330	3680	4290	4620	4770	6/12
ZM330	3300	2000	2500	3000	3500	3800	2150	2220	2270	2330	1150	990	1093	1153	3360	3710	4320	4650	4800	6/12
ZM350	3500	2000	2500	3000	3500	3800	2250	2320	2370	2430	1250	1090	1193	1253	3380	3730	4340	4670	4820	6/12
ZM370	3700	2000	2500	3000	3500	3700	2350	2420	2470	2530	1350	1190	1293	1353	3400	3750	4360	4690	4840	6/12
ZM400	4000	2000	2350	2850	3200	3600	2550	2620	2670	2730	1550	1390	1493	1553	3480	3820	4440	4770	4920	6/12
ZM425	4250	2000	2500	3000	3200	3350	2675	2745	2795	2855	1675	1515	1618	1678	3500	3850	4470	4800	4950	6/12
ZM450	4500	2000	2500	3000	3500	3250	2800	2870	2920	2980	1800	1640	1743	1803	3530	3870	4490	4830	4980	6/12
ZM500	5000	1500	1700	2400	2450	2650	3050	3120	3170	3230	2050	1890	1993	2053	3580	3920	4550	4890	5040	6/6
ZM550	5500	1700	2200	2700	2850	-	3350	3420	3470	3530	2350	2190	2293	2353	3680	4020	4650	4990	5140	6/6
ZM600	6000	1500	2000	2200	2300	-	3500	3670	3720	3780	3500	2440	2543	2603	3730	4070	4700	5040	5190	6/6