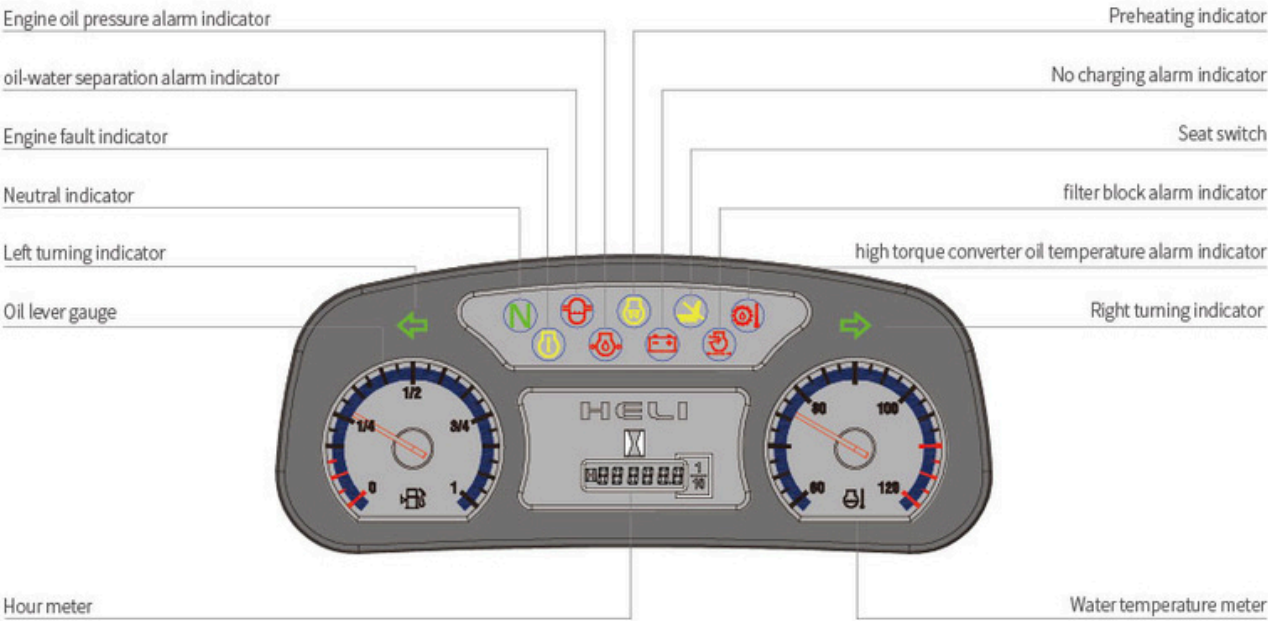


Reliable special designed instrument



The reliable special instrument gives a complete display of the vital information, like operation status, fault detection, etc. It ensures the operator predominate the vehicle status more intuitive and convenient.

- ✓ Stepping motor core
- ✓ Electrical safety standard meets CE requirements

Standard configuration Optional

- | | |
|--|---|
| <ul style="list-style-type: none">Hour meterHornOil pressure alarmThree-spool control valvePower steeringAluminum pedal padBackrestBack view mirrorLED front combined lightsTransmission oil filterEngine flameout deviceParking brake cableWater temperature meterAttached toolsLED Rear combined lightsReversing buzzerSelf-locking tilt valveTilt adjustable steering columnEndurance board awingStandard forksCentral Control BoxHydraulic circuit oil filterSpeed limiting valveOil meterCharging indicatorWide view mastAir intake deviceDurable tyreOperation handleTraction pinFront lampHydraulic oil gaugeOverhead guardTorque converter oil dipstickCombined meterEngine fault indicator | <ul style="list-style-type: none">CabRotating warning lightVertical exhaustDouble air filterSuspension seatExtended fork sleeveHeaterSolid tyreWidening fork carriageWindglassPurifying mufflerFire mufflerFire extinguisherRear lightsAir conditioning (some models)Electro-hydraulic switchOPS driving controlTorque converter oil temperature meterTilt cylinder sleeveSteering cylinder sleeveUser-specified colorOptional attachmentsSteel protective fencesDual tires and protective devicesLPG with the flip seatLPG single and dual-fuel systemPower brakeSmart fleet management system (optional) |
|--|---|

2-3.5 t

H2000 series Internal Combustion Counterbalanced Forklift Truck



H2000 SERIES 2-3.5 t

A reliable Drive system



The transmission box designed and manufactured by HELI specially for the model is equipped on the truck. As the most reliable transmission system produced by HELI, it has been validated by over twenty years' experience in World market. Meanwhile, various ancillary devices of the power system ensure the reliability effectively.

- Durable transmission
- Equipped with the intake system & intake silencer
- Optional air filter pressure alarm device
- Automatic engine preheating system
- Cyclone Air Filter
- Lost foam casting
- Meeting China III (GB20891-2014)
- Environment friendly engine
- lower vibration and noise

A reliable hydraulic system

HELI has the most professional R&D base of cylinders, where we take advantage of the advanced manufacturing technologies and detecting means to ensure the reliability of all cylinders of the hydraulic system.

- Standard tilt cylinder by HELI
- Standard lift cylinder by HELI
- Standard steering cylinder by HELI
- Self-locking tilt cylinder
- Standard hydraulic circuit filter
- Speed buffer device on lifting system



A reliable steering system

The steering system with new technologies not only provides a smoother swerve and faster positioning & steering, but also effectively ensures operators' safety.

- Wearable tyre
- Smaller turning radius
- Full hydraulic power steering



A reliable mast

The superior mast confirmedly ensures the safety of the operator, truck and cargo. Standard configuration of the wide-view mast enlarges operators' view effectively, and ensures loading /unloading operations more reliable.

- The frame of mast has more strength basing on the enlarged channel interface.
- Clear visibility for standard wide-view mast.
- The channel with own patented technology has the first-rate quality.

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)



Comfortable operation space

Large operation space with ergonomic-design and configuration make the operation more comfortable & convenient, and effectively enhance the efficiency & safety of operation.

- Noise isolating and buffering materials are filled between engine hood and frame;
- Patented engine hood with new noise isolating and buffering materials
- Well-designed anti-slip mat
- Easy reading meter
- Storage box
- Flexible connection between exhausting system and frame

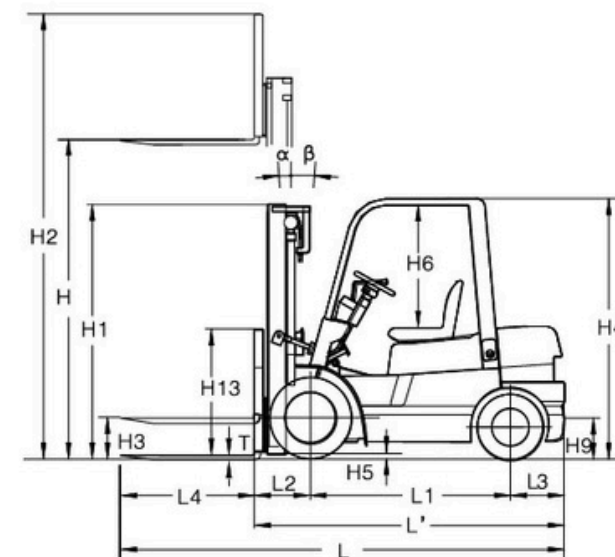
Manufacturer and technical parameters

Characteristics										
1.01	Manufacturer		HELI							
1.02	Model		CPC20	CPCD20	CPC25	CPCD25	CPC30	CPCD30	CPC35	CPCD35
1.03	Power unit		Diesel							
1.04	Rated Capacity	kg	2000		2500		3000		3500	
1.05	Load Center	mm	500							
1.06	Operation		Driver seated							
Dimensions										
2.01	Max.Lifting height	H	mm	3000						
2.02	Height mast retracted(upright)	H1	mm	1995		1995		2070		2180
2.03	Overall max.lifting height (with backrest)	H2	mm	4030		4030		4225		4225
2.04	Free lift height	H3	mm	70		70		65		65
2.05	Overall height(overhead guard)	H4	mm	2070		2070		2090		2090
2.06	Min.ground clearance under mast	H5	mm	110		110		135		135
2.07	Overhead Guard clearance(from face of seat)	H6	mm	1035						
2.08	Coupler height	H9	mm	290		290		310		310
2.09	Backrest height(from upper face of forks)	H13	mm	1000		1000		1227		1177
2.10	Overall length(with forks)	L	mm	3432		3657		3762		3783
2.11	Overall length(without forks)	L'	mm	2512		2587		2707		2728
2.12	Wheel base	L1	mm	1600		1600		1700		1700
2.13	Front overhang	L2	mm	472		472		477		495
2.14	Rear overhang	L3	mm	440		515		515		515
2.15	Overall width	W1	mm	1150		1150		1225		1225
2.16	Tread(front)	W3	mm	970		970		1000		1000
2.17	Tread(rear)	W2	mm	970		970		970		970
2.18	Lateral fork adjustment outside of fork(Max./Min.)	W5	mm	1030/244		1030/244		1060/250		1060/250
2.19	Outside turning radius	r	mm	2170		2240		2400		2420
2.20	Inside turning radius	r'	mm	160		160		200		200
2.21	Min.intersecting aisle	Ra	mm	2200		2280		2380		2400
2.22	Tilting angles(forward/backward)	α / β	deg	6/12						
2.23	Fork dimensions(L4xWxT)	L4xWxT	mm	920×122×40		1070×122×40		1070×125×45		1070×125×50
Performance										
3.01	Max. Traveling speeds(With/Without load)	km/h	17/19				18/19		19/19	
3.02	Lifting Speeds(With/Without load)	mm/s	570/600				455/480		360/380	
3.03	Lowering Speeds(With/Without load)	mm/s	450/550				450/500		350/400	
3.04	Max. Draw-bar pull,(With/Without load)	kN	17/12.5	19/12.5	16.5/11.8	18.5/11.8	18.6/13.4	19.5/13.4	17.8/14.3	19.6/14.3
3.05	Max. Negotiable Gradient(With/Without load)	%	21/20	24/22	18/20	24/22	15/21	21/20	15/20	16/21
Weights										
4.01	Service Mass	kg	3380		3700		4300		4700	
4.02	Load Wheel with load(Front/Rear)	kg	4770/610		5460/740		6420/880		7390/810	
4.03	Load Wheel without load(Front/Rear)	kg	1600/1780		1510/2190		1710/2590		1830/2870	
Tyres										
5.01	Wheels number front/rear(x=driven)		2X/2							
5.02	Tyre Type		Pneumatic							
5.03	Tyre size(front)		7.00-12-12PR				28×9-15-14PR			
5.04	Tyre size(rear)		6.00-9-10PR				6.50-10-10PR			
5.05	Service Brake		Hydraulic-Foot Pedal							
5.06	Paking Brake		Mechanical-Hand Lever							

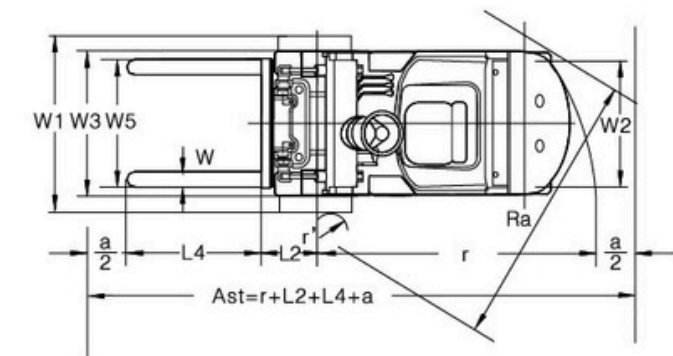
Engine Model and Main Specification for Option

Engine Model	Rated power/ Rotating speed (Kw/rpm)	Rated power/ Rotating speed (Nm/rpm)	Engine Capacity(L)	Number of cylinders	Emission	Power unit
DACHAI CA498-06T3R-A122	45/2500	196/1800	3.168	4-98×105	China Stage III	Diesel
QUANCHAI 4C2-50V31	36.8-2500	157/1800	2.79	4-92×105	China Stage III	Diesel
XINGCHANG 4D27G31	36.8-2500	156/1700-1900	2.67	4-90×105	China Stage III	Diesel
ISUZU 4JG2PE-01	36/2450	175/1700	3.059	4-95.4×107	Euro Stage IIIA / China Stage III	Diesel
ISUZU C240PKJ-30	35.4/2500	139.9/1800	2.369	4-86×102	Euro Stage IIIA / China Stage III	Diesel
Kubota V3600	46.9/2400	209.8/1600	3.62	4-98×120	Euro Stage III A / Epa Interim Tier4	Diesel
Kubota V2403	34.1/2400	155.9/1600	2.434	4-87×102.4	Euro Stage III A / China Stage III / Epa Interim Tier4	Diesel
XIN CHANG C490BPG-25	36.8/2650	156/1800~2000	2.67	4-90×105	Euro Stage IIIA	Diesel
JMC HJ493G	36.5/2500	165/1800	2.771	4-93×102	Euro Stage IIIA	Diesel
DACHAI CA498-97	45/2500	196/1800	3.168	4-98×105	China Stage II	Diesel
JMC HJ493	36.5/2500	156/1800	2.771	4-93×102	China Stage II	Diesel
XINGCHANG C490BPG-200	40/2650	160/1800~2000	2.67	4-90×105	China Stage II	Diesel
QUANCHAI QC490GP	39/2650	160/1800	2.67	4-90×105	China Stage II	Diesel

Ast:Right angle stacking aisle width
a:Clearance
L4:Length of fork



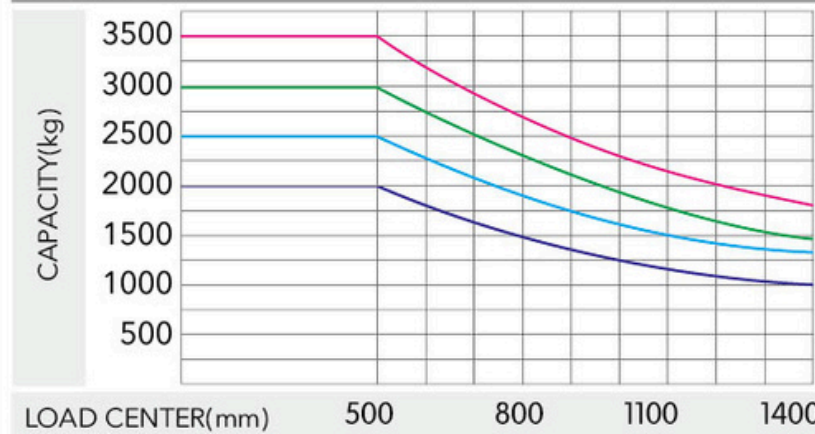
GROUND CLEARANCE	2t/2.5t	3t
Drive Axle	135	140
Steer Axle	150	150
Counter Weight	140	155
Frame	120	130



Engine Model and Main Specification for Option

Engine Model	Rated power/ Rotating speed (Kw/rpm)	Rated power/ Rotating speed (Nm/rpm)	Engine Capacity(L)	Number of cylinders	Emission	Power unit
NISSAN K21	31.2/2200	143.7/1600	2.065	4-89×83	-	Gasoline/LPG
NISSAN K25	37.4/2400	176.5/1600	2.488	4-89×100	-	Gasoline/LPG

Load curve



CPC20/CPCD20

CPC25/CPCD25

CPC30/CPCD30

CPC35/CPCD35

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.

2-3.5t WIDE VIEW MAST

Mast model	Max.fork height (mm)	Capacity at 500mm(Load center)(kg)				mast overall height(fork to the ground)			mast tilting angle α / β (°)	Service Weight (kg)			
		CPC20/ CPCD20	CPC25/ CPCD25	CPC30/ CPCD30	CPC35/ CPCD35	2-2.5t	3t	3.5t		CPC20/ CPCD20	CPC25/ CPCD25	CPC30/ CPCD30	CPC35/ CPCD35
M200	2000	2000	2500	3000	3500	1495	1570	1680	6/12	3285	3605	4205	4590
M250	2500	2000	2500	3000	3500	1745	1820	1930	6/12	3335	3655	4250	4645
M300	3000	2000	2500	3000	3500	1995	2070	2180	6/12	3380	3700	4300	4700
M330	3300	2000	2500	3000	3500	2145	2220	2330	6/12	3405	3725	4330	4730
M350	3500	2000	2500	3000	3500	2245	2320	2430	6/12	3430	3750	4350	4750
M370	3700	2000	2500	3000	3500	2345	2420	2530	6/6 *6/12	3445	3765	4370	4775
M400	4000	2000	2500	3000	3200 *3500	2545	2620	2730	6/6 *6/12	3510	3830	4450	4860
M425	4250	1900 *2000	2250 *2500	2850 *3000	3100 *3200	2670	2745	2855	6/6 *6/12	3535	3855	4480	4885
M450	4500	1800 *1900	2150 *2400	2750 *3000	3000 *3050	2795	2870	2980	6/6 *6/12	3555	3875	4500	4915
M500	5000	1600 *1700	1650 *2200	2400 *2850	2500 *2850	3045	3120	3230	6/6 *6/6	3605	3925	4555	4970
M550	5500	*1600	*1950	*2400	*2500	3345	3420	3530	*3/6	3685	4005	4655	5075
M600	6000	*1500	*1800	*2200	*2300	3595	3670	3780	*3/6	3735	4055	4700	5125

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.

2-3.5t WIDE VIEW FULL FREE 2-STAGE MAST

Mast model	Max.fork height (mm)	Capacity at 500mm(Load center)(kg)				mast overall height (fork to the ground)(mm)			free lifting height (with backrest)(mm)			mast tilting angle α / β (°)	Service Weight (kg)			
		CPC20/ CPCD20	CPC25/ CPCD25	CPC30/ CPCD30	CPC35/ CPCD35	2-2.5t	3t	3.5t	2-2.5t	3t	3.5t		CPC20/ CPCD20	CPC25/ CPCD25	CPC30/ CPCD30	CPC35/ CPCD35
ZM200	2000	2000	2500	3000	3500	1495	1570	1680	495	340	340	6/12	3330	3640	4240	4640
ZM250	2500	2000	2500	3000	3500	1745	1820	1930	745	590	590	6/12	3370	3690	4300	4700
ZM300	3000	2000	2500	3000	3500	1995	2070	2180	955	840	840	6/12	3430	3750	4360	4760
ZM330	3300	2000	2500	3000	3500	2145	2220	2330	1145	990	990	6/12	3460	3780	4380	4780
ZM350	3500	2000	2500	3000	3500	2245	2320	2430	1245	1090	1090	6/6 *6/12	3480	3810	4400	4800
ZM370	3700	2000	2500	3000	3500	2345	2420	2530	1370	1190	1190	6/6 *6/12	3510	3830	4420	4820
ZM400	4000	2000	2500	3000	3200 *3500	2545	2620	2730	1545	1390	1390	6/6 *6/12	3590	3910	4500	4900
ZM425	4250	1900 *2000	2250 *2500	2850 *3000	3100 *3200	2670	2745	2855	1670	1515	1515	6/6 *6/12	3620	3940	4530	4930
ZM450	4500	1800 *1900	2150 *2400	2750 *3000	3000 *3050	2795	2870	2980	1795	1640	1640	6/6 *6/6	3640	3960	4550	4950
ZM500	5000	1600 *1700	1650 *2200	2400 *2850	2500 *2850	3045	3120	3230	2045	1890	1890	6/6 *6/6	3700	4020	4605	5005
ZM550	5500	*1600	*1950	*2400	*2500	3345	3420	3530	2345	2190	2190	*3/6	3800	4120	4730	5130
ZM600	6000	*1500	*1800	*2200	*2300	3595	3670	3780	2595	2440	2440	*3/6	3840	4160	4775	5175

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.

(3) The free lifting height (without backrest) of the 2-2.5t truck is the height (with backrest) in the table plus 430mm. The free lifting height (without backrest) of the 3t truck is the height (with backrest) in the table plus 567mm. The free lifting height (without backrest) of the 3.5t truck is the height (with backrest) in the table plus 509mm.

2-3.5t WIDE VIEW FULL FREE 3-STAGE MAST

Mast model	Max.fork height (mm)	Capacity at 500mm(Load center)(kg)				mast overall height (fork to the ground)(mm)			free lifting height (with backrest)(mm)			mast tilting angle α / β (°)	Service Weight (kg)			
		2t	2.5t	3t	3.5t	2-2.5t	3t	3.5t	2-2.5t	3t	3.5t		CPC20/ CPCD20	CPC25/ CPCD25	CPC30/ CPCD30	CPC35/ CPCD35
ZSM360	3600	2000	2400	2900	3250	1800	1870	1870	800	640	640	6-6	3495	3835	4510	4770
ZSM400	4000	1900	2400	2900	3250	1950	2020	2020	950	790	790	6-6	3540	3875	4540	4800
ZSM435	4350	1850 *1900	2200 *2400	2850 *2900	2900 *3050	2050	2120	2120	1050	890	890	6-6	3570	3920	4560	4820
ZSM450	4500	1750 *1800	2150 *2300	2750 *2850	2800 *2950	2100	2170	2170	1100	940	940	6-6	3580	3965	4580	4840
ZSM470	4700	1720 *1800	2000 *2300	2650 *2800	2700 *2900	2165	2230	2230	1165	1000	1000	6-6	3600	4005	4600	4860
ZSM480	4800	1700 *1800	1950 *2300	2550 *2800	2650 *2900	2210	2270	2270	1210	1040	1040	6-6	3615	4050	4620	4880
ZSM500	5000	1600 *1750	1650 *2250	2450 *2750	2500 *2850	2300	2370	2370	1300	1140	1140	6-6	3640	4095	4645	4905
ZSM540	5400	1450 *1700	1500 *2150	2300 *2650	2350 *2700	2400	2470	2470	1400	1240	1240	*3-6	3670	4135	4675	4935
ZSM600	6000	*1600	*1800	*2100	*2250	2600	2670	2670	1600	1440	1440	*3-6	3775	4180	4765	5025
ZSM650	6500	*1450	*1650	*1900	*2200	2800	2870	2870	1800	1640	1640	*3-6	3830	4225	4800	5060
ZSM700	7000	*1150	*1300	*1800	*2000	2975	3045	3045	1975	1815	1815	*3-3	3885	4265	4850	5110
ZSM750	7500	*950	*1050	*1200	*1300	3150	3370	3370	2150	2140	2140	*3-3	3990	4310	4960	5170

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.