

Option Table			
Project	Configuration		
Intelligent Security	Electro-hydraulic directional transmission	●	
	Full set of OPS	○	
	Stamping special-shaped overhead guard	●	
	Tilt cylinder self-locking valve	●	
	Heli intelligent fleet management system	○	
	Foldback prefilter	○	
	main power switch	○	
	Fuel tank cap with lock	○	
	Fire extinguisher	○	
	Comfort & Convenience	Full suspension seat	○
Suspended overhead guard		●	
Descent buffer		●	
Front and rear adjustable steering column		●	
Reversing horn handle		○	
USB interface		○	
Instrument identification		○	
Electric fan		○	
Reversing voice horn		○	
Meet the latest emission power (National IV/National III)		●	
Load-sensing steering		●	
Full LCD instrument		●	
High exhaust		●	
Cab		Front windshield	○
		Rear windshield	○
	Overhead guard	●	
	Integral cab	○	
	Integral cab (installed with heater)	○	
	Integral cab (installed with heater & cooling air conditioner)	○	

Option Table		
Project	Configuration	
Lamplight	LED lights	●
	LED rear working lights (2 pcs)	○
	Warning light (rotating)	○
	Warning light (rotating buzzer)	○
	Warning light (flashing)	○
	Blue light	○
Lifting System	Basic mast	●
	Full free mast (2-stage or 3-stage)	○
	Non-standard attachments	○
	Mast height	○
Other	Fork arm carrier	○
	Load-backrest	○
	Metric thread	●
	American standard thread	○
	Solid tire	○
	Tilt cylinder sheath	○
	Steering cylinder sheath	●
	Universal key	○
	Customized colors	○

Note: Standard●;Optional○.

CPCD 30/35

W3Y2G3 2WD / W4Y2G3 2WD
XC3Y2G3 2WD / W3Y4G3 4WD
W4Y4G3 4WD / XC3Y4G3 4WD



3-3.5 t

G3 series Internal Combustion Counterbalanced
Rough Terrain Forklift Truck



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* Our products are subject to improvements and changes without notice.

HELI



*Rough Terrain
Forklift Truck*

CPCD 30/35

W3Y2G3(2WD)/W4Y2G3(2WD)
XC3Y2G3(2WD)/W3Y4G3(4WD)
W4Y4G3(4WD)/XC3Y4G3(4WD)



Off-road wide base tires with large treads

SUPERIOR DESIGN

- Fashionable and Aesthetic streamlined design
- Stable and reliable performance
- Dual drive or four-wheel drive off-road tires
- Widely used in fields, farms, orchards and other tough road conditions

Powerful & Efficient

- Multi-position gearbox with flexible connection;
- Dual drive or four-wheel drive, energy conservative and high efficient;
- Flexible connected drive axle with ultrahigh configuration;
- Greatly improved off-road performance hydraulic system with load sensing valve, faster lifting speed;
- Lightweight mast, widened frame and upper beam of optimized design high carrying capacity.



Radiator

Stable & Reliable

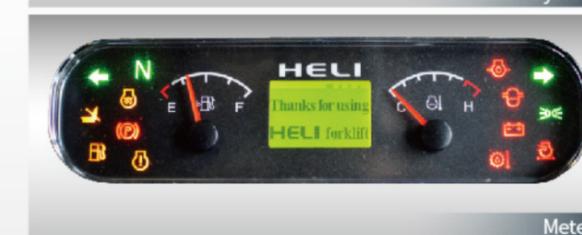
- Off-road wide base tires with large treads;
- Improved radiator structure, optimized cooling system, better heat dissipation performance;



Pedal Mechanism



Transmission System



Meter

- In-position sensing system, effectively avoid misoperation;
- Optimized drive line system, larger ground clearance, lower center of gravity, improved stability and passability;
- Pedal mechanism optimization: inching pedal is connected to inching valve directly;
- Ip65 digital lcd meter;
- Sealing structure of 24 cone rubber hose, add "O" type sealing ring, better sealing effect.

CPCD 30/35

W3Y2G3(2WD)/W4Y2G3(2WD)
XC3Y2G3(2WD)/W3Y4G3(4WD)
W4Y4G3(4WD)/XC3Y4G3(4WD)

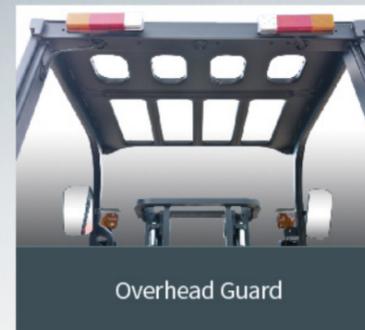
Enjoyable Driving Experience

Triple suspension support design



Super wide view mast

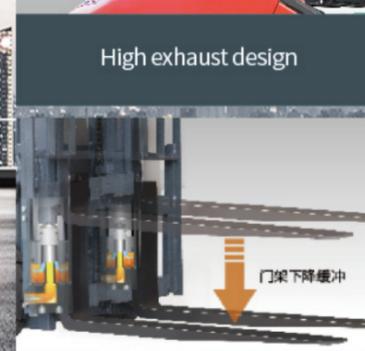
More room for leg



Overhead Guard



High exhaust design



Mast with decline buffer function



Ergonomic instrument panel: integrated handle switch, ratchet type hand brake and integrated electro-hydraulic reversing handle

Easy to Maintain



LED lamps, energy efficient, long life, no maintenance



Modular high protection electrical box



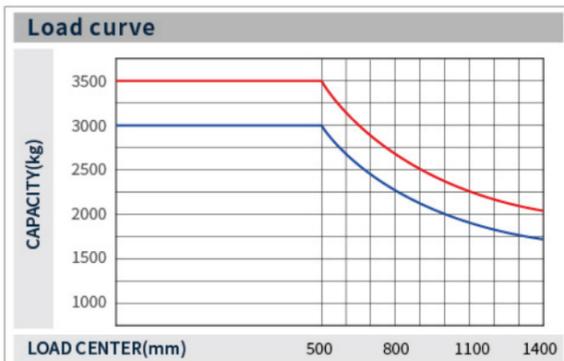
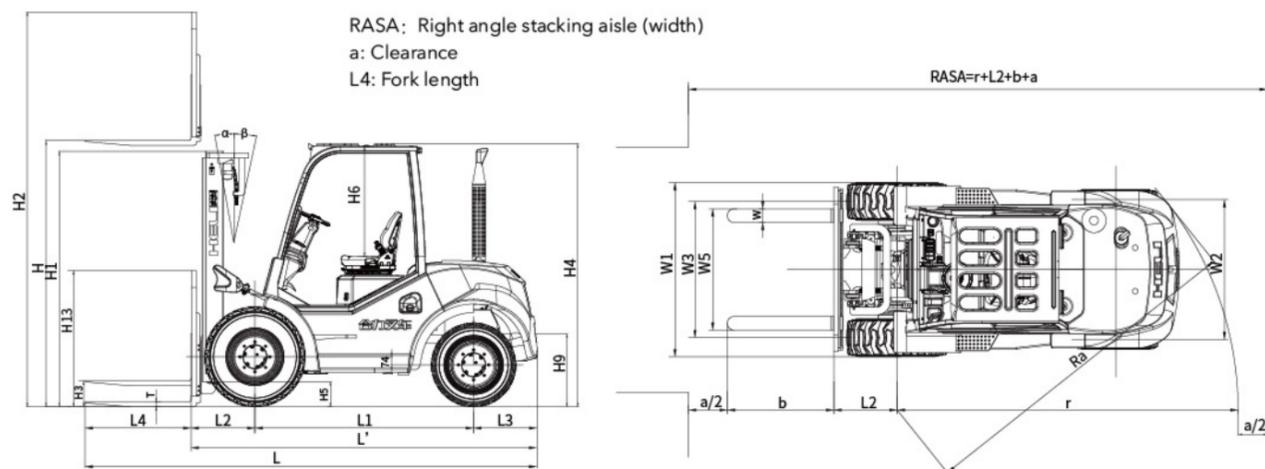
Engine cover with large opening angle, large maintenance space

Manufacturer and Technical Data (Dual Drive)									
Characteristics									
1.01	Manufacturer	HELI							
1.02	Model	CPCD30	CPCD30	CPCD30	CPCD35	CPCD35	CPCD35		
1.03	Configuration number	W3Y2G3(2WD)	W4Y2G3(2WD)	XC3Y2G3(2WD)	W3Y2G3(2WD)	W4Y2G3(2WD)	XC3Y2G3(2WD)		
1.04	Rated capacity	kg	3000			3500			
1.05	Load center distance	mm	500			500			
1.06	Power mode		Diesel			Diesel			
1.07	Driving mode		Seat-type			Seat-type			
Weight									
2.01	Total weight	kg	5100			5300			
Tyres									
3.01	Tyre type		Tubeless tyre			Tubeless tyre			
3.02	Wheel numbers front/rear(x=driven wheels)		2x/2			2x/2			
3.03	Tyre size, front		14-17.5-16TL			14-17.5-16TL			
3.04	Tyre size, rear		10-16.5-10TL			10-16.5-10TL			
Dimensions									
4.01	Lifting height	H	mm	3000			3000		
4.02	Mast height (fork to the ground, vertical mast)	H1	mm	2265			2265		
4.03	Max. height, extended(with backrest)	H2	mm	4225			4225		
4.04	Free lifting height	H3	mm	160			160		
4.05	Height of overhead guard	H4	mm	2450			2450		
4.06	Min. ground clearance	H5	mm	280			280		
4.07	Height of backrest	H13	mm	1175			1175		
4.08	Overall length (with/without fork)	L/L'	mm	4214/3144			4259/3189		
4.09	Wheel base	L1	mm	2000			2000		
4.10	Front overhang	L2	mm	584			584		
4.11	Rear overhang	L3	mm	560			600		
4.12	Overall width	W1	mm	1640			1640		
4.13	Track width (front/rear)	W3	mm	1250/1280			1250/1280		
4.14	Adjustment range of fork(outside fork Max./Min.)	W5	mm	1395/250			1395/250		
4.15	Min. outside turning radius	r	mm	3400	3400	3400	3450	3450	3450
4.16	Mast tilt angle (forward/backward)	α/β	°	10°/12°			10°/12°		
4.17	Fork size: thickness*width*length	TxWxL4	mm	45×125×1070			50×125×1070		
4.18	Min. right-angle aisle width	Ra	mm	3300	3300	3300	3350	3350	3350
Performance									
5.01	Travel speed (laden/unladen)	km/h	20/20			20/20			
5.02	Lift speed (laden/unladen)	mm/s	450/520			450/520			
5.03	Lowering speed (laden/unladen)	mm/s	370/350			370/350			
5.04	Max. drawbar pull (laden/unladen)	kN	38	34	38	38	34	38	
5.05	Max. gradeability (laden/unladen)	%	40	36	40	36	32	36	
Combustion-Engine									
6.01	Engine manufacturer/Model		ISUZU 4JG2PE-01	ISUZU GK-4JG2NKFC01	XINCHAI 4D32X41	ISUZU 4JG2PE-01	ISUZU GK-4JG2NKFC01	XINCHAI 4D32X41	
6.02	Rated power/speed	kW/rpm	44.9/2450	35.0/2450	36.8/2500	44.9/2450	35.0/2450	36.8/2500	
6.03	Max. torque speed	Nm/rpm	186.3/1600~1800	170/1700	210/1600-1800	186.3/1600~1800	170/1700	210/1600-1800	
6.04	Cylinder number- bore * stroke	/L	4-95.4×107/3.059	4-95.4×107/3.059	4-98×105/3.168	4-95.4×107/3.059	4-95.4×107/3.059	4-98×105/3.168	
6.05	Emission		China Stage II	Euro Stage IIIA	China Stage IV	China Stage II	Euro Stage IIIA	China Stage IV	
6.06	Transmission gears (front/rear)		2-1Power Shift M/T			2-1Power Shift M/T			

Manufacturer and Technical Data (4-wheel Drive)									
Characteristics									
1.01	Manufacturer	HELI							
1.02	Model	CPCD30	CPCD30	CPCD30	CPCD35	CPCD35	CPCD35		
1.03	Configuration number	W3Y4G3(4WD)	W4Y4G3(4WD)	XC3Y4G3(4WD)	W3Y4G3(4WD)	W4Y4G3(4WD)	XC3Y4G3(4WD)		
1.04	Rated capacity	kg	3000			3500			
1.05	Load center distance	mm	500			500			
1.06	Power mode		Diesel			Diesel			
1.07	Driving mode		Seat-type			Seat-type			
Weight									
2.01	Total weight	kg	5300			5500			
Tyres									
3.01	Tyre type		Tubeless tyre			Tubeless tyre			
3.02	Wheel numbers front/rear(x=driven wheels)		2x/2			2x/2			
3.03	Tyre size, front		14-17.5-16TL			14-17.5-16TL			
3.04	Tyre size, rear		10-16.5-10TL			10-16.5-10TL			
Dimensions									
4.01	Lifting height	H	mm	3000			3000		
4.02	Mast height (fork to the ground, vertical mast)	H1	mm	2265			2265		
4.03	Max. height, extended(with backrest)	H2	mm	4225			4225		
4.04	Free lifting height	H3	mm	160			160		
4.05	Height of overhead guard	H4	mm	2450			2450		
4.06	Min. ground clearance	H5	mm	280			280		
4.07	Height of backrest	H13	mm	1175			1175		
4.08	Overall length (with/without fork)	L/L'	mm	4144/3094			4184/3134		
4.09	Wheel base	L1	mm	2000			2000		
4.10	Front overhang	L2	mm	584			584		
4.11	Rear overhang	L3	mm	560			600		
4.12	Overall width	W1	mm	1640			1640		
4.13	Track width (front/rear)	W3	mm	1250/1280			1250/1280		
4.14	Adjustment range of fork(outside fork Max./Min.)	W5	mm	1395/250			1395/250		
4.15	Min. outside turning radius	r	mm	3550	3550	3550	3600	3600	3600
4.16	Mast tilt angle (forward/backward)	α/β	°	10°/12°			10°/12°		
4.17	Fork size: thickness*width*length	TxWxL4	mm	45×125×1070			50×125×1070		
4.18	Min. right-angle aisle width	Ra	mm	3450	3450	3450	3500	3500	3500
Performance									
5.01	Travel speed (laden/unladen)	km/h	20/20			20/20			
5.02	Lift speed (laden/unladen)	mm/s	450/520			450/520			
5.03	Lowering speed (laden/unladen)	mm/s	370/350			370/350			
5.04	Max. drawbar pull (laden/unladen)	kN	38	34	38	38	34	38	
5.05	Max. gradeability (laden/unladen)	%	40	36	40	36	32	36	
Combustion-Engine									
6.01	Engine manufacturer/Model		ISUZU 4JG2PE-01	ISUZU GK-4JG2NKFC01	XINCHAI 4D32X41	ISUZU 4JG2PE-01	ISUZU GK-4JG2NKFC01	XINCHAI 4D32X41	
6.02	Rated power/speed	kW/rpm	44.9/2450	35.0/2450	36.8/2500	44.9/2450	35.0/2450	36.8/2500	
6.03	Max. torque speed	Nm/rpm	186.3/1600~1800	170/1700	210/1600-1800	186.3/1600~1800	170/1700	210/1600-1800	
6.04	Cylinder number- bore * stroke	/L	4-95.4×107/3.059	4-95.4×107/3.059	4-98×105/3.168	4-95.4×107/3.059	4-95.4×107/3.059	4-98×105/3.168	
6.05	Emission		China Stage II	Euro Stage IIIA	China Stage IV	China Stage II	Euro Stage IIIA	China Stage IV	
6.06	Transmission gears (front/rear)		2-1Power Shift M/T			2-1Power Shift M/T			

CPCD 30/35

W3Y2G3(2WD)/W4Y2G3(2WD)
XC3Y2G3(2WD)/W3Y4G3(4WD)
W4Y4G3(4WD)/XC3Y4G3(4WD)



CPCD35 CPCD30

Note: The vertical axis stands for load capacity while the horizontal axis stands for load center which is calculated from the front surface of the forks to the gravity of the standard load. The standard load means a cubic with 1000mm edge length. When the mast is tilted forward, the worker using nonstandard forks for loading large goods, the load capacity will be reduced. The load capacity of standard mast at different load center can be known from this load chart.

Wide View Full Free 2-stage Mast

Mast model	Max. lifting height (mm)	Load capacity (load center is 500mm)(Kg)		Lowered mast height (mm)	Extended mast height (with backrest) (mm)	Free lift height (with backrest)	Service weight(kg)		Mast tilting angle (α/β) (deg.)
		CPCD30	CPCD35				CPCD30	CPCD35	
ZM200	2000	3000	3500	1765	3200	565	5005	5125	10°/12°
ZM250	2500	3000	3500	2015	3700	815	5057	5267	10°/12°
ZM300	3000	3000	3500	2265	4200	1065	5104	5314	10°/12°
ZM330	3300	3000	3500	2415	4500	1215	5142	5352	10°/12°
ZM350	3500	3000	3500	2515	4700	1315	5164	5374	10°/12°
ZM370	3700	3000	3500	2615	4900	1415	5182	5392	10°/12°
ZM400	4000	3000	3500	2815	5200	1615	5262	5472	10°/6°
ZM425	4250	2900	3500	2940	5450	1740	5290	5500	10°/6°
ZM450	4500	2900	3400	3065	5700	1865	5316	5526	10°/6°
ZM475	4750	2850	3350	3190	5950	1990	5342	5552	10°/6°
ZM500	5000	2600	3100	3315	6200	2115	5368	5578	5°/6°
ZM550	5500	2400	2900	3615	6700	2415	5468	5678	5°/6°
ZM600	6000	2000	2500	3865	7200	2665	5521	5731	5°/6°

Wide View Full Free 3-stage Mast

Mast model	Max. lifting height (mm)	Load capacity (load center is 500mm)(Kg)		Lowered mast height (mm)	Extended mast height (with backrest) (mm)	Free lift height (with backrest)	Service weight(kg)		Mast tilting angle (α/β) (deg.)
		CPCD30	CPCD35				CPCD30	CPCD35	
ZSM360	3600	2800	3300	2015	4800	815	5180	5390	10°/6°
ZSM400	4000	2800	3300	2165	5200	965	5224	5434	10°/6°
ZSM435	4350	2800	3300	2265	5550	1065	5300	5510	10°/6°
ZSM450	4500	2700	3200	2315	5700	1115	5330	5540	10°/6°
ZSM470	4700	2500	3000	2375	5900	1175	5350	5560	10°/6°
ZSM480	4800	2500	3000	2415	6000	1215	5400	5610	10°/6°
ZSM500	5000	2400	2900	2515	6200	1315	5468	5678	10°/6°
ZSM550	5500	2100	2900	2615	6600	1415	5565	5775	5°/6°
ZSM600	6000	1750	2250	2815	7200	1615	5621	5831	5°/6°

Wide View Standard Mast

Mast model	Max. lifting height (mm)	Load capacity (load center is 500mm)(Kg)		Lowered mast height (mm)	Extended mast height (with backrest) (mm)	Free lift height (mm)	Service weight(kg)		Mast tilting angle (α/β) (deg.)
		CPCD30	CPCD35				CPCD30	CPCD35	
M200	2000	3000	3500	1765	3200	150	4955	5165	10°/12°
M250	2500	3000	3500	2015	3700	150	5007	5217	10°/12°
M300	3000	3000	3500	2265	4200	150	5054	5264	10°/12°
M330	3300	3000	3500	2415	4500	150	5092	5302	10°/12°
M350	3500	3000	3500	2515	4700	150	5114	5324	10°/12°
M370	3700	3000	3500	2615	4900	150	5132	5342	10°/12°
M400	4000	3000	3500	2815	5200	150	5212	5422	10°/6°
M425	4250	2900	3500	2940	5450	150	5240	5450	10°/6°
M450	4500	2900	3400	3065	5700	150	5226	5476	10°/6°
M475	4750	2850	3350	3190	5950	150	5292	5502	10°/6°
M500	5000	2600	3100	3315	6200	150	5328	5528	5°/6°
M550	5500	2400	2900	3615	6700	150	5418	5628	5°/6°
M600	6000	2000	2500	3865	7200	150	5471	5681	5°/6°

