

Option Table		
Project		Configuration
Intelligent Security	Electro-hydraulic directional transmission	●
	Full set of GPS	○
	Stamping special-shaped overhead guard	●
	Tilt cylinder self-locking valve	●
	Heli intelligent fork management system	○
	Foldback prefilter	○
	main power switch	○
	Fuel tank cap with lock	●
	Fire extinguisher	○
	Full suspension seat	○
Comfort & Convenience	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 V/optional III)	●
	Load-sensing steering	●
	Full LCD instrument	●
	High exhaust	●
	Front windshield	○
	Rear windshield	○
Overhead guard	●	
Cab	Integral cab	○
	Integral cab (installed with heater)	○
	Integral cab (installed with heater & cooling air conditioning)	○
	Integral cab (installed with cooling air conditioning)	○

Option Table		
Project		Configuration
Lamolight	LED lights	●
	LED rearworking lights (2 pcs)	○
	Warning light (rotating)	○
	Warning light (rotating-4x2wd)	○
	Warning light (flashing)	○
	Blue light	○
Lifting System	Basic mast	●
	Full free mast (2-stage or 3-stage)	○
	Non-standard attachments	○
	Mast height	○
	Fork arm carrier	○
Other	Load-backrest	○
	Metric thread	●
	American standard thread	○
	Solid tire	○
	Tilt cylinder sheath	○
	Steering cylinder sheath	●
	Universal key	○
Customized colors	○	

Note: Standard ●, Optional ○.

## CPCD 20/25/30/35

W11Y2G3 2WD / QC2Y2G3 2WD / XC6Y2G3 2WD / KU1Y2G3 2WD  
 W3Y2G3 2WD / W4Y2G3 2WD / XC3Y2G3 2WD / KU5Y2G3 2WD  
 W3Y4G3 4WD / W4Y4G3 4WD / XC3Y4G3 4WD / KU5Y4G3 4WD



**2-3.5 t**

G3 series Internal Combustion Counterbalanced  
 Rough Terrain Forklift Truck

\*Las especificaciones y equipamientos están sujetos a cambios sin previo aviso.





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 connectec 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

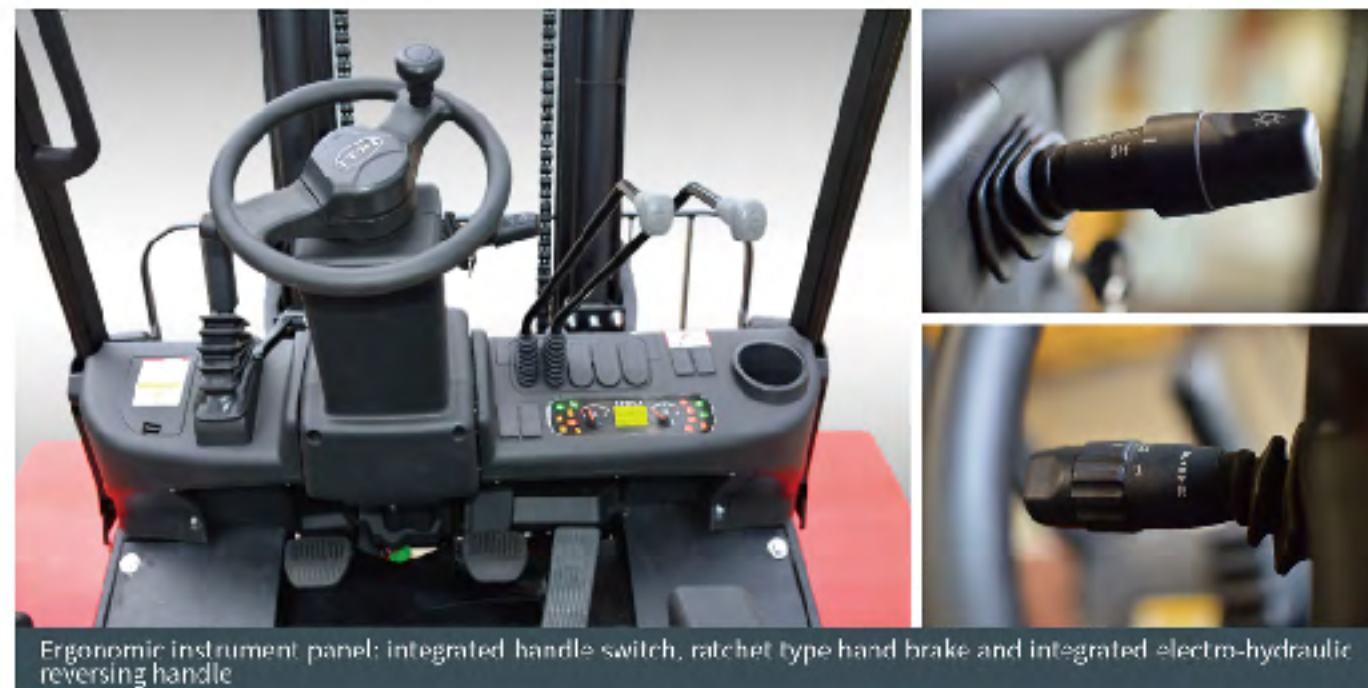
- In-position sensing system, effectively avoid misoperation;
- Optimized drive line system, larger ground clearance, lower center of gravity, improved stability and passability;
- Pedal mechanism optimization: inching pedal is connected to inching valve directly;
- Ip65 digital lcd meter;
- Sealing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

### Enjoyable Driving Experience

Triple suspension support design



5L per wide view mast  
More room for leg



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 (2-2.5t Standard Dual drive)										
Characteristics										
1.01	Manufacturer	HELI								
1.02	Model	CPCD20	CPCD20	CPCD20	CPCD21	CPCD25	CPCD25	CPCD25	CPCD25	
1.03	Configuration number	W11P269(2WD)	Q22Y269(2WD)	PC19269(2WD)	W11Y269(2WD)	W11Y269(2WD)	Q22Y269(2WD)	Q22Y269(2WD)	W11Y269(2WD)	
1.04	Rated capacity	kg	2000			2500				
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	4500			4500				
Tyres										
3.01	Tyre type		Tubeless tyre			Tubeless tyre				
3.02	Wheel numbers front/rear=drive 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	4040			4040			
4.04	Free lifting height	H3	mm	110			160			
4.05	Height of overhead guard	H4	mm	2450			2450			
4.06	Min. ground clearance	H5	mm	250			280			
4.07	Height of backrest	H1.3	mm	1080			1020			
4.08	Overall length (with/without fork)	L/L1	mm	4210/3140			4210/3140			
4.09	Wheel base	L1	mm	2000			2000			
4.10	Front overhang	L2	mm	580			580			
4.11	Rear overhang	L3	mm	560			560			
4.12	Overall width	W1	mm	1640			1640			
4.13	Track width (front/rear)	W2	mm	1230/1280			1230/1280			
4.14	Adjustment range of fork (outside fork hub, mm)	W5	mm	1245/250			1245/250			
4.15	Min. outside turning radius	r	mm	3400			3400			
4.16	Mast tilt angle (forward/backward)	α/β	°	10°/12°			10°/12°			
4.17	Fork size: thickness*width*length	T/W/L4	mm	40x125x1070			40x125x1070			
4.18	Min. right-angle side width	Rx	mm	3300			3500			
Performance										
5.01	Travel speed (laden/unladen)	km/h		18/18			18/18			
5.02	Lift speed (laden/unladen)	mm/s		400/520			400/520			
5.03	Lowering speed (laden/unladen)	mm/s		370/350			370/350			
5.04	Max. drawbar pull (laden/unladen)	kN		13			16			
5.05	Max. gradeability (laden/unladen)	%		21			23			
Combustion-Engine										
6.01	Engine manufacturer/Model			6U2J4102F5-D1	QJ402W10250C4	4D3024	4D3024	4D3024	4D3024	
6.02	Rated power/speed	kW/gpm		40/2500	35/2500	35/2500	40/2500	40/2500	40/2500	
6.03	Max. torque speed	Nm/gpm		185/1800-1800	160/1800	160/1800	185/1800	185/1800	185/1800	
6.04	Cylinder number-bore*stroke	L		4/45x102	4/45x102	4/45x102	4/45x102	4/45x102	4/45x102	
6.05	Emission			China Stage I	China Stage II	China Stage II	China Stage II	China Stage II	China Stage II	
6.06	Transmission gears (front/rear)			1-IPower Shift M/T			1-IPower Shift M/T			

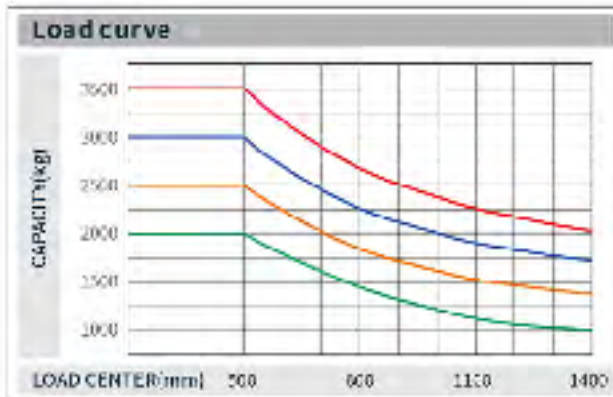
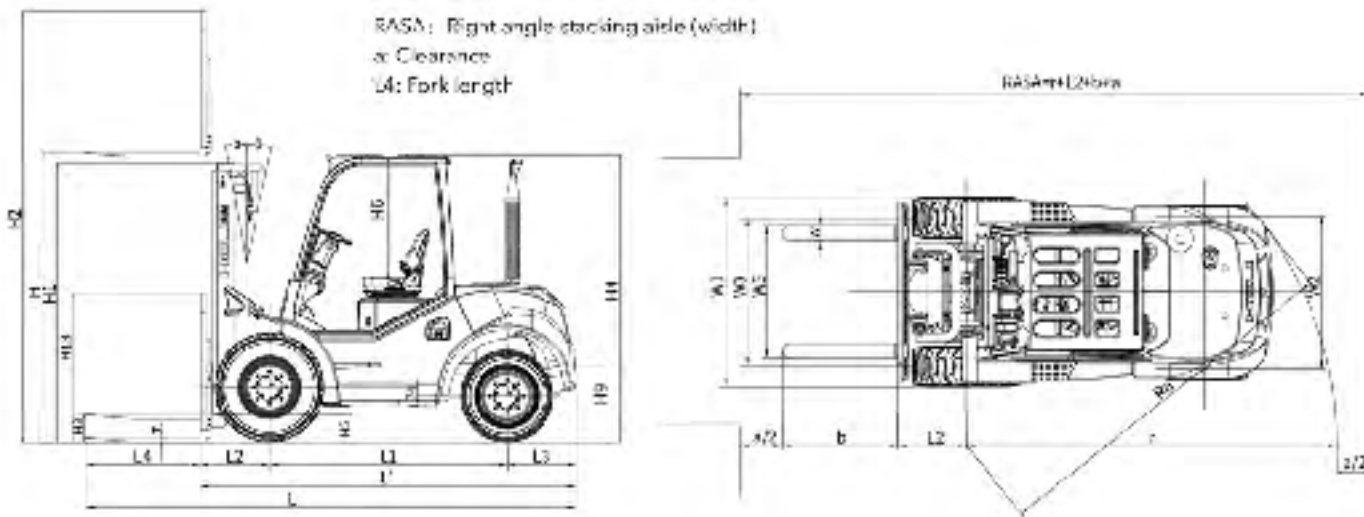
Manufacturer and Technical Data (3-3.5t Standard Dual drive)										
Characteristics										
1.01	Manufacturer	HELI								
1.02	Model	CPCD30	CPCD30	CPCD30	CPCD30	CPCD35	CPCD35	CPCD35	CPCD35	
1.03	Configuration number	W11Y269(2WD)	Q22Y269(2WD)	PC19269(2WD)	W11Y269(2WD)	W11Y269(2WD)	Q22Y269(2WD)	Q22Y269(2WD)	W11Y269(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	5000			5200				
Tyres										
3.01	Tyre type		Tubeless tyre			Tubeless tyre				
3.02	Wheel numbers front/rear=drive 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	290			280			
4.07	Height of backrest	H1.3	mm	1155			1155			
4.08	Overall length (with/without fork)	L/L1	mm	4250/3140			4250/3140			
4.09	Wheel base	L1	mm	2000			2000			
4.10	Front overhang	L2	mm	584			584			
4.11	Rear overhang	L3	mm	560			560			
4.12	Overall width	W1	mm	1640			1640			
4.13	Track width (front/rear)	W2	mm	1230/1280			1230/1280			
4.14	Adjustment range of fork (outside fork hub, mm)	W5	mm	1285/250			1285/250			
4.15	Min. outside turning radius	r	mm	3400			3400			
4.16	Mast tilt angle (forward/backward)	α/β	°	10°/12°			10°/12°			
4.17	Fork size: thickness*width*length	T/W/L4	mm	45x125x1070			50x125x1070			
4.18	Min. right-angle side width	Rx	mm	3450			3500			
Performance										
5.01	Travel speed (laden/unladen)	km/h		18/14			18/14			
5.02	Lift speed (laden/unladen)	mm/s		400/520			400/520			
5.03	Lowering speed (laden/unladen)	mm/s		370/350			370/350			
5.04	Max. drawbar pull (laden/unladen)	kN		16			20			
5.05	Max. gradeability (laden/unladen)	%		20			20			
Combustion-Engine										
6.01	Engine manufacturer/Model			6U2J4102F5-D1	QJ402W10250C4	4D3024	4D3024	4D3024	4D3024	
6.02	Rated power/speed	kW/gpm		45/2400	35/2500	35/2500	40/2500	40/2500	40/2500	
6.03	Max. torque speed	Nm/gpm		185/1800-1800	160/1800	160/1800	185/1800	185/1800	185/1800	
6.04	Cylinder number-bore*stroke	L		4/45x102	4/45x102	4/45x102	4/45x102	4/45x102	4/45x102	
6.05	Emission			China Stage I	China Stage II	China Stage II	China Stage II	China Stage II	China Stage II	
6.06	Transmission gears (front/rear)			1-IPower Shift M/T			1-IPower Shift M/T			

Manufacturer and Technical Data (2-2.5t High Performance Dual drive)									
Characteristics									
1.01	Manufacturer	HELI							
1.02	Model	CPCD20	CPCD20	CPCD20	CPCD21	CPCD25	CPCD25	CPCD25	CPCD25
1.03	Configuration number	N3P263(2WD) N4Y263(2WD) X3P263(2WD) 4J5263(2WD) N4Y263(2WD) N3P263(2WD) N4Y263(2WD) X3P263(2WD) 4J5263(2WD)							
1.04	Rated capacity	kg	2000			2500			
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	4500			4750			
Tyres									
3.01	Tyre type	Tubeless tyre			Tubeless tyre				
3.02	Wheel numbers(front/rear=drive wheels)	2x/2			2x/2				
3.03	Tyre size, front	14-17.5-16TL			14-17.5-16TL				
3.04	Tyre size, rear	10-16.5-16TL			10-16.5-16TL				
Dimensions									
4.01	Lifting height	H	3000			3000			
4.02	Mast height(link to the ground, vertical mast)	H-1	2265			2265			
4.03	Max. height, extended(with backrest)	H-2	4040			4040			
4.04	Free lifting height	H-3	100			100			
4.05	Height of overhead guard	H-4	2450			2450			
4.06	Min. ground clearance	H-5	260			260			
4.07	Height of backrest	H-6	1010			1010			
4.08	Overall length (with/without fork)	L/L'	4210/3140			4210/3140			
4.09	Wheel base	L1	2000			2000			
4.10	Front overhang	L2	560			580			
4.11	Rear overhang	L3	500			500			
4.12	Overall width	W1	1640			1640			
4.13	Track width (front/rear)	W2	1250/1260			1250/1260			
4.14	Adjustment range of fork (inside fork/No. Min.)	W5	1385/250			1385/250			
4.15	Min. outside turning radius	r	3200			3400			
4.16	Mast tilt angle (forward/backward)	α/β	10°/12°			10°/12°			
4.17	Fork size: thickness*width*length	FxWxL4	40x122x1070			40x122x1070			
4.18	Min. right-angle aisle width	Rx	3450			3450			
Performance									
5.01	Travel speed (laden/unladen)	km/h	20/20			20/20			
5.02	Lift speed (laden/unladen)	mm/s	400/520			400/520			
5.03	Lowering speed (laden/unladen)	mm/s	370/350			370/350			
5.04	Max. drawbar pull (laden/unladen)	kN	36	34	36	38	38	34	38
5.05	Max. gradeability (laden/unladen)	%	51	46	50	50	46	42	46
Combustion-Engine									
6.01	Engine manufacturer/Model	ISUZU4JG22P-D1 ISUZU6JG24P-D1 HONDA4JG24P-D1 HONDA4JG24P-D1 HONDA4JG24P-D1 HONDA4JG24P-D1 HONDA4JG24P-D1 HONDA4JG24P-D1 HONDA4JG24P-D1 HONDA4JG24P-D1							
6.02	Rated power/speed	kW/gpm	44/2450	55/2400	55/2500	60/2400	44/2450	55/2400	55/2400
6.03	Max. torque speed	kgm/gpm	160/1800-1850	160/1800	160/1800-1850	160/1800	160/1800-1850	160/1800	160/1800
6.04	Cylinder number-bore*stroke	L	4/90x100/100	4/90x100	4/90x100/100	4/90x100	4/90x100/100	4/90x100	4/90x100
6.05	Emission	China Stage I Euro Stage IIA China Stage IV B1 Stage I/CA Tier I China Stage I Euro Stage IIA China Stage IV B1 Stage I/CA Tier I							
6.06	Transmission gears (front/rear)	2-IPower Shift M/T			2-IPower Shift M/T				

Manufacturer and Technical Data (2-2.5t Standard 4-wheel Drive)									
Characteristics									
1.01	Manufacturer	HELI							
1.02	Model	CPCD20	CPCD20	CPCD20	CPCD20	CPCD25	CPCD25	CPCD25	CPCD25
1.03	Configuration number	W3Y4G3(4WD) N4Y4G3(4WD) X3Y4G3(4WD) 4J5Y4G3(4WD) W3Y4G3(4WD) N4Y4G3(4WD) X3Y4G3(4WD) 4J5Y4G3(4WD)							
1.04	Rated capacity	kg	2000			2500			
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	4000			4550			
Tyres									
3.01	Tyre type	Tubeless tyre			Tubeless tyre				
3.02	Wheel numbers(front/rear=drive wheels)	2x/2			2x/2				
3.03	Tyre size, front	14-17.5-16TL			14-17.5-16TL				
3.04	Tyre size, rear	10-16.5-16TL			10-16.5-16TL				
Dimensions									
4.01	Lifting height	H	3000			3000			
4.02	Mast height(link to the ground, vertical mast)	H-1	2265			2265			
4.03	Max. height, extended(with backrest)	H-2	4040			4040			
4.04	Free lifting height	H-3	100			100			
4.05	Height of overhead guard	H-4	2450			2450			
4.06	Min. ground clearance	H-5	290			280			
4.07	Height of backrest	H-6	1010			1010			
4.08	Overall length (with/without fork)	L/L'	4210/3140			4210/3140			
4.09	Wheel base	L1	2000			2000			
4.10	Front overhang	L2	590			580			
4.11	Rear overhang	L3	500			500			
4.12	Overall width	W1	1640			1640			
4.13	Track width (front/rear)	W2	1250/1260			1250/1260			
4.14	Adjustment range of fork (inside fork/No. Min.)	W5	1385/250			1385/250			
4.15	Min. outside turning radius	r	3400			3400			
4.16	Mast tilt angle (forward/backward)	α/β	10°/12°			10°/12°			
4.17	Fork size: thickness*width*length	FxWxL4	40x122x1070			40x122x1070			
4.18	Min. right-angle aisle width	Rx	3450			3450			
Performance									
5.01	Travel speed (laden/unladen)	km/h	20/20			20/20			
5.02	Lift speed (laden/unladen)	mm/s	400/520			400/520			
5.03	Lowering speed (laden/unladen)	mm/s	370/350			370/350			
5.04	Max. drawbar pull (laden/unladen)	kN	38	34	38	38	38	34	38
5.05	Max. gradeability (laden/unladen)	%	50	46	50	50	46	42	46
Combustion-Engine									
6.01	Engine manufacturer/Model	ISUZU4JG22P-D1 ISUZU6JG24P-D1 HONDA4JG24P-D1 HONDA4JG24P-D1 HONDA4JG24P-D1 HONDA4JG24P-D1 HONDA4JG24P-D1 HONDA4JG24P-D1							
6.02	Rated power/speed	kW/gpm	44/2450	55/2400	55/2500	60/2400	44/2450	55/2400	55/2400
6.03	Max. torque speed	kgm/gpm	160/1800-1850	160/1800	160/1800-1850	160/1800	160/1800-1850	160/1800	160/1800
6.04	Cylinder number-bore*stroke	L	4/90x100/100	4/90x100	4/90x100/100	4/90x100	4/90x100/100	4/90x100	4/90x100
6.05	Emission	China Stage I Euro Stage IIA China Stage IV B1 Stage I/CA Tier I China Stage I Euro Stage IIA China Stage IV B1 Stage I/CA Tier I							
6.06	Transmission gears (front/rear)	2-IPower Shift M/T			2-IPower Shift M/T				

Manufacturer and Technical Data (3-3.5t High Performance Dual drive)									
Characteristics									
1.11	Manufacturer	HELI							
1.12	Model	CPCD30	CPCD30	CPCD30	CPCD30	CPCD35	CPCD35	CPCD35	CPCD35
1.13	Configuration number	N312G3(2WD)	N412G3(2AD)	N312G3(2WD)	N312G3(2AD)	N412G3(2AD)	N312G3(2WD)	N412G3(2AD)	N312G3(2WD)
1.14	Rated capacity	kg	3000			3500			
1.15	Load center distance	mm	500			500			
1.16	Power mode		Diesel			Diesel			
1.17	Driving mode		Seat type			Seat type			
Weight									
2.11	Total weight	kg	5100			5300			
Tyres									
3.11	Tyre type		Tubeless tyre			Tubeless tyre			
3.12	Wheel numbers front/rear=driven wheels		2x/2			2x/2			
3.13	Tyre size, front		14-17.5-16TL			14-17.5-16TL			
3.14	Tyre size, rear		10-16.5-10TL			10-16.5-10TL			
Dimensions									
4.11	Lifting height	H	3000			3000			
4.12	Max height (fork to the ground, vertical mast)	H1	2265			2265			
4.13	Max. height, extended (with backrest)	H2	4325			4325			
4.14	Free lifting height	H3	160			160			
4.15	Height of overhead guard	H4	2450			2450			
4.16	Min. ground clearance	H5	280			280			
4.17	Height of backrest	H1.3	1175			1175			
4.18	Overall length (with/without fork)	L/L1	4214/3144			4250/3180			
4.19	Wheel base	L1	2000			2000			
4.10	Front overhang	L2	584			584			
4.11	Rear overhang	L3	560			500			
4.12	Overall width	W1	1640			1640			
4.13	Track width (front/rear)	W3	1250/1250			1250/1280			
4.14	Adjustable range of fork (width of fork)	W5	1395/250			1395/250			
4.15	Min. outside turning radius	r	3400			3450			
4.16	Mast tilt angle (forward/backward)	α/β	10°/12°			10°/12°			
4.17	Fork size: thickness*width*length	TxWxL4	45x125x1070			50x125x1070			
4.18	Min. right-angle aisle width	Bx	3300			3350			
Performance									
5.11	Travel speed (laden/unladen)	km/h	30/20			30/20			
5.12	Lift speed (laden/unladen)	mm/s	450/520			450/520			
5.13	Lowering speed (laden/unladen)	mm/s	370/350			370/350			
5.14	Max. drawbar pull (laden/unladen)	kN	36	34	30	30	30	34	38
5.15	Max. gradeability (laden/unladen)	%	40	36	40	40	36	32	30
Combustion Engine									
6.11	Engine manufacturer/Model		SUZUKI/4G59E-31   ISUZU/4JG120E-31   HONDA/4JG120E-31   HONDA/4JG120E-31   HONDA/4JG120E-31   HONDA/4JG120E-31   HONDA/4JG120E-31   HONDA/4JG120E-31						
6.12	Rated power/speed	kW/rpm	44.0/2400	35.0/2400	36.0/2500	40.0/2400	45.0/2400	35.0/2400	40.0/2400
6.13	Max. torque speed	kgm/rpm	185/1600-1800	170/1700	210/1900-1800	185/1800	186.2/1900-1800	142/1700	210/1600-1800
6.14	Cylinder number-bore*stroke	L	4/95x107.5/95	4/85x107.5/95	4/95x115.5/95	4/95x115.5/95	4/95x115.5/95	4/95x115.5/95	4/95x115.5/95
6.15	Emission		China Stage I	Euro Stage II A	China Stage II	EU Stage I/FA Tier II	China Stage I	Euro Stage II A	China Stage II
6.16	Transmission gears (front/rear)		2-L Power Shift, M/T			2-L Power Shift, M/T			

Manufacturer and Technical Data (3-3.5t Standard 4-wheel Drive)									
Characteristics									
1.01	Manufacturer	HELI							
1.02	Model	CPCD30	CPCD30	CPCD30	CPCD30	CPCD35	CPCD35	CPCD35	CPCD35
1.03	Configuration number	N314G3(4WD)	N414G3(4WD)	N314G3(4WD)	N414G3(4WD)	N314G3(4WD)	N414G3(4WD)	N314G3(4WD)	N414G3(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=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	3000			3000			
4.02	Max height (fork to the ground, vertical mast)	H1	2265			2265			
4.03	Max. height, extended (with backrest)	H2	4325			4325			
4.04	Free lifting height	H3	160			160			
4.05	Height of overhead guard	H4	2450			2450			
4.06	Min. ground clearance	H5	280			280			
4.07	Height of backrest	H1.3	1175			1175			
4.08	Overall length (with/without fork)	L/L1	4144/3054			4184/3134			
4.09	Wheel base	L1	2000			2000			
4.10	Front overhang	L2	584			584			
4.11	Rear overhang	L3	560			500			
4.12	Overall width	W1	1640			1640			
4.13	Track width (front/rear)	W3	1250/1250			1250/1280			
4.14	Adjustable range of fork (width of fork)	W5	1395/250			1395/250			
4.15	Min. outside turning radius	r	3550			3600			
4.16	Mast tilt angle (forward/backward)	α/β	10°/12°			10°/12°			
4.17	Fork size: thickness*width*length	TxWxL4	45x125x1070			50x125x1070			
4.18	Min. right-angle aisle width	Bx	3450			3500			
Performance									
5.01	Travel speed (laden/unladen)	km/h	30/20			30/20			
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	35	34	30	30	30	34	38
5.05	Max. gradeability (laden/unladen)	%	40	36	40	40	36	32	30
Combustion Engine									
6.01	Engine manufacturer/Model		SUZUKI/4G59E-31   ISUZU/4JG120E-31   HONDA/4JG120E-31   HONDA/4JG120E-31   HONDA/4JG120E-31   HONDA/4JG120E-31   HONDA/4JG120E-31   HONDA/4JG120E-31						
6.02	Rated power/speed	kW/rpm	44.0/2400	35.0/2400	36.0/2500	40.0/2400	44.0/2400	35.0/2400	40.0/2400
6.03	Max. torque speed	kgm/rpm	185/1600-1800	170/1700	210/1900-1800	185/1800	186.2/1900-1800	142/1700	210/1600-1800
6.04	Cylinder number-bore*stroke	L	4/95x107.5/95	4/85x107.5/95	4/95x115.5/95	4/95x115.5/95	4/95x115.5/95	4/95x115.5/95	4/95x115.5/95
6.05	Emission		China Stage I	Euro Stage II A	China Stage II	EU Stage I/FA Tier II	China Stage I	Euro Stage II A	China Stage II
6.06	Transmission gears (front/rear)		2-L Power Shift, M/T			2-L Power Shift, M/T			



**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 loadrest) (mm)		Free lift height (mm)	Service weight(kg)				Mast tilting angle (α/β) (deg.)
		CPCD20	CPCD25	CPCD30	CPCD35		2-2.5t	3-3.5t		CPCD20	CPCD25	CPCD30	CPCD35	
ZN200	2000	2000	2500	3000	3500	1265	3035	3200	361	4521	4770	5070	5270	10°/12°
ZN250	2500	2000	2500	3000	3500	2015	3535	3700	811	4581	4830	5080	5280	10°/12°
ZN300	3000	2000	2500	3000	3500	2765	4035	4200	1665	4631	4870	5120	5320	10°/12°
ZN330	3300	2000	2500	3000	3500	2415	4335	4500	1215	4681	4930	5180	5380	10°/12°
ZN350	3500	2000	2500	3000	3500	2515	4535	4700	1315	4701	4950	5200	5400	10°/12°
ZN370	3700	2000	2500	3000	3500	2515	4735	4900	1415	4711	4950	5210	5410	10°/12°
ZN400	4000	2000	2500	3000	3500	2815	5035	5200	1615	4781	5030	5280	5480	10°/8°
ZN425	4250	1850	2200	2800	3500	2340	5305	5450	1740	4801	5050	5300	5500	10°/8°
ZN450	4500	1850	2200	2800	3400	2365	5505	5700	1865	4811	5060	5310	5510	10°/8°
ZN475	4750	1850	1800	2830	3330	2390	5805	5900	1950	4861	5110	5360	5560	10°/8°
ZN500	5000	1300	1700	2500	3100	2815	6035	6200	2115	4901	5150	5400	5600	5°/8°
ZN550	5500	1300	1400	2400	2900	3515	6535	6700	2415	4951	5240	5490	5690	5°/8°
ZN600	6000	1100	1200	2000	2500	3865	7035	7200	2665	5041	5290	5540	5740	5°/8°

**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 loadrest) (mm)		Free lift height (mm)	Service weight(kg)				Mast tilting angle (α/β) (deg.)
		CPCD20	CPCD25	CPCD30	CPCD35		2-2.5t	3-3.5t		CPCD20	CPCD25	CPCD30	CPCD35	
ZSN360	3600	1900	2400	2800	3300	2015	4555	4800	815	4581	4930	5180	5380	10°/8°
ZSN400	4000	1900	2400	2800	3300	2155	5055	5200	955	4731	4980	5230	5430	10°/8°
ZSN435	4350	1900	2300	2800	3300	2355	5485	5650	1065	4801	5050	5300	5500	10°/8°
ZSN450	4500	1850	2130	2700	3200	2315	5555	5700	1115	4831	5080	5330	5540	10°/8°
ZSN470	4700	1750	1900	2500	3000	2875	5755	5900	1375	4891	5140	5390	5590	10°/8°
ZSN480	4800	1750	1900	2500	3000	2415	6055	6200	1215	4901	5150	5400	5600	10°/8°
ZSN500	5000	1600	1800	2400	2900	2515	6255	6400	1315	4971	5220	5470	5670	5°/8°
ZSN550	5500	1300	1500	2100	2900	2815	6455	6600	1415	5071	5320	5570	5770	5°/8°
ZSN600	6000	1000	1130	1700	2200	3815	7055	7200	1815	5181	5380	5630	5830	5°/8°

**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 loadrest) (mm)		Free lift height (mm)	Service weight(kg)				Mast tilting angle (α/β) (deg.)
		CPCD20	CPCD25	CPCD30	CPCD35		2-2.5t	3-3.5t		CPCD20	CPCD25	CPCD30	CPCD35	
M200	2000	2000	2500	3000	3500	1265	3035	3200	150	4500	4750	5000	5200	10°/12°
M250	2500	2000	2500	3000	3500	2015	3535	3700	150	4560	4810	5060	5260	10°/12°
M300	3000	2000	2500	3000	3500	2265	4035	4200	150	4620	4870	5120	5320	10°/12°
M330	3300	2000	2500	3000	3500	2415	4235	4400	150	4630	4880	5130	5330	10°/12°
M350	3500	2000	2500	3000	3500	2515	4535	4700	150	4680	4930	5180	5380	10°/12°
M370	3700	2000	2500	3000	3500	2515	4735	4900	150	4690	4940	5190	5390	10°/12°
M400	4000	2000	2500	3000	3500	2815	5035	5200	150	4750	5000	5250	5450	10°/8°
M425	4250	1900	2200	2800	3500	2940	5305	5450	150	4790	5040	5290	5490	10°/8°
M450	4500	1850	2100	2800	3400	3065	5505	5700	150	4796	5040	5290	5490	10°/8°
M475	4750	1850	1800	2830	3330	3190	5805	5950	150	4840	5090	5340	5540	10°/8°
M500	5000	1300	1700	2500	3100	3315	6035	6200	150	4890	5140	5390	5590	5°/8°
M550	5500	1300	1400	2400	2900	3615	6535	6700	150	4940	5220	5470	5670	5°/8°
M600	6000	1200	1300	2000	2500	3965	7035	7200	150	5000	5270	5520	5720	5°/8°

