HELI

Option Table		
Project		Configuration
Intelligent Security	Electro-hydraulic directional transmission	●
	Full set of OPS	○
	Stamping special-shaped overhead guard	●
	Tilt cylinder shock-proof valve	●
	Full intelligent fault management system	○
	Foldback preventer	○
	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 first emission power (National VI/Nationa 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, mirror, front wiper)	○
	Integral cab (installed with cooling air conditioner)	○

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

Note: Standard ● Optional ○

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

HELI

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www.carretillasheli.com

www.heliforklift.net

HELI

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









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.



Stable & Reliable

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







- 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



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 (2-2.5t Standard Dual drive)											
	Characteristics										
1.01	Manufacturer			HELI							
1.02	Model			CPCD20	CPCD20	CPCD20	CPCD25	CPCD25	CPCD25	CPCD25	CPCD25
1.03	Configuration number			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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			4550				
	Tyres										
3.01	Tyre type			Tubeless tyre			Tubeless tyre				
3.02	Wheel numbers(front/rear=driven wheels)			2x2			2x2				
3.03	Tyre size, front			14-17.5-16PR			14-17.5-16PR				
3.04	Tyre size, rear			10-16.5-16PR			10-16.5-16PR				
	Dimensions										
4.01	Lifting height	H	mm	3000			3000				
4.02	Mastheight(forktothegauge,verticalmast)	H1	mm	2265			2265				
4.03	Max. height, extended(with backrest)	H2	mm	4040			4040				
4.04	Free lifting height	H3	mm	150			165				
4.05	Height of overhead guard	H4	mm	2450			2450				
4.06	Min. ground clearance	H5	mm	260			260				
4.07	Height of backrest	H13	mm	1080			1080				
4.08	Overall length (with/without fork)	L1'	mm	4210/3140			4210/3140				
4.09	Wheel base	L1	mm	2800			2850				
4.10	Front overhang	L2	mm	550			580				
4.11	Rear overhang	L3	mm	860			860				
4.12	Overall width	W1	mm	1840			1840				
4.13	Track width (front/rear)	W2	mm	1230/1280			1230/1280				
4.14	Adjustmentsoffork(outsideforkMax/Min)	W5	mm	1345/250			1345/250				
4.15	Min. outside turning radius		mm	5400			5400				
4.16	Mast tilt angle (forward/backward)	α/β	°	10°/12°			10°/12°				
4.17	Fork size: thickness*width* engh	s/e/l	mm	40x122x1070			40x122x1070				
4.18	Min. right-angle aisle width	Ast	mm	3300			3500				
	Performance										
5.01	Travel speed (laden/unladen)		km/h	18/18			18/18				
5.02	Lift speed (laden/unladen)		mm/s	480/520			450/520				
5.03	Lowering speed (laden/unlader)		mm/s	370/350			370/350				
5.04	Max. drawbar pull (laden/unladen)		kN	13			14				
5.05	Max. gradeability (laden/unladen)		%	20			22				
	Combustion-Engine										
6.01	Engine manufacturer/Model			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
6.02	Rated power/speed		kW/rpm	45.6/2450	36/2500	38.6/2532	45/2600	48.6/2450	55.8/2500	36.8/2500	40.6/2500
6.03	Max. torque speed		Nm/rpm	186.5/1600-1800	150/1500-1800	210/1600-1800	186/1600	196.2/1600-1800	220/1600-1800	210/1600-1800	186/1600
6.04	Cylinder number- bore * stroke		L	4-99x105/3.074	4-96x102/3.0	4-99x105/3.169	4-99x102/3.1	4-99x105/3.074	4-99x105/3.11	4-99x105/3.169	4-99x102/3.1
6.05	Emission			China Stage I	China Stage IV	China Stage II	Pilot/EPA Tier2	China Stage II	China Stage IV	China Stage IV	Pilot/EPA Tier2
6.06	Transmission gears (front/rear)			3-3Power Shift M/T				3-3Power Shift M/T			

Manufacturer and Technical Data (3-3.5t Standard Dual drive)											
	Characteristics										
1.01	Manufacturer			HELI							
1.02	Model			CPCD35	CPCD30	CPCD30	CPCD30	CPCD35	CPCD35	CPCD35	CPCD35
1.03	Configuration number			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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=driven wheels)			2x2				2x2			
3.03	Tyre size, front			14-17.5-16PR				14-17.5-16PR			
3.04	Tyre size, rear			10-16.5-16PR				10-16.5-16PR			
	Dimensions										
4.01	Lifting height	H	mm	3000				3000			
4.02	Mastheight(forktothegauge,verticalmast)	H1	mm	2295				2295			
4.03	Max. height, extended(with backrest)	H2	mm	4325				4325			
4.04	Free lifting height	H3	mm	150				160			
4.05	Height of overhead guard	H4	mm	2450				2450			
4.06	Min. ground clearance	H5	mm	260				260			
4.07	Height of backrest	H13	mm	1150				1150			
4.08	Overall length (with/without fork)	L1'	mm	4210/3140				4254/3184			
4.09	Wheel base	L1	mm	2800				2850			
4.10	Front overhang	L2	mm	584				584			
4.11	Rear overhang	L3	mm	560				560			
4.12	Overall width	W1	mm	1840				1840			
4.13	Track width (front/rear)	W2	mm	1230/1350				1230/1280			
4.14	Adjustmentsoffork(outsideforkMax/Min)	W5	mm	1385/150				1385/250			
4.15	Min. outside turning radius		mm	5400				5400			
4.16	Mast tilt angle (forward/backward)	α/β	°	12°/12°				10°/12°			
4.17	Fork size: thickness*width*length	s/e/l	mm	45x125x1070				50x125x1070			
4.18	Min. right-angle aisle width	Ast	mm	3450				3500			
	Performance										
5.01	Travel speed (laden/unladen)		km/h	15/14				18/18			
5.02	Lift speed (laden/unladen)		mm/s	480/520				480/520			
5.03	Lowering speed (laden/unladen)		mm/s	370/350				370/350			
5.04	Max. drawbar pull (laden/unladen)		kN	16				16			
5.05	Max. gradeability (laden/unladen)		%	20				18			
	Combustion-Engine										
6.01	Engine manufacturer/Model			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
6.02	Rated power/speed		kW/rpm	44.6/2450	35.8/2500	39.6/2500	47.6/2500	44.6/2450	55.8/2500	36.8/2500	40.6/2500
6.03	Max. torque speed		Nm/rpm	185.3/1600-1800	140/1500-1800	173/1600-1800	196/1500	185.3/1600-1800	220/1600-1800	220/1600-1800	186/1600
6.04	Cylinder number- bore * stroke		L	4-99.4x107/3.083	4-96x102/3.0	4-99x105/3.169	4-99x105/3.074	4-99.4x107/3.083	4-99x105/3.169	4-99x105/3.169	4-99x105/3.169
6.05	Emission			China Stage I	China Stage IV	China Stage II	Pilot/EPA Tier2	China Stage I	China Stage II	China Stage IV	Pilot/EPA Tier2
6.06	Transmission gears (front/rear)			3-3Power Shift M/T				3-3Power Shift M/T			

	Manufacturer and Technical Data (2-2.5t High Performance Dual drive)									
	Characteristics									
1.01	Manufacturer			HELI						
1.02	Model			CPCD20	CPCD20	CPCD30	CPCD20	CPCD25	CPCD25	CPCD25	CPCD25
1.03	Configuration number			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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(=driven wheels)			2x2				2x2			
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	mm	3000				3000			
4.02	Mast height (lowered)	H1	mm	2285				2285			
4.03	Max. height, extended(with backrest)	H2	mm	4040				4040			
4.04	Free lifting height	H3	mm	150				150			
4.05	Height of overhead guard	H4	mm	2450				2450			
4.06	Min. ground clearance	H5	mm	250				200			
4.07	Height of backrest	H13	mm	1900				1900			
4.08	Overall length (with/without fork)	L1/L1'	mm	4215/3140				4210/3140			
4.09	Wheel base	L1	mm	2000				2000			
4.10	Front overhang	L2	mm	650				580			
4.11	Rear overhang	L3	mm	500				500			
4.12	Overall width	W1	mm	1640				1640			
4.13	Track width (front/rear)	W2	mm	1350/1200				1350/1200			
4.14	Adjustment range of fork (min.outside fork/max./min.)	W5	mm	1385/250				1385/250			
4.15	Min. outside turning radius	r	mm	3250				3250			
4.16	Mast tilt angle (forward/backward)	α/β	°	10°/12°				12°/12°			
4.17	Fork size: thickness*width* ength	s/e/l4	mm	40x122x1070				40x122x1070			
4.18	Min. right-angle aisle width	Ast	mm	3300				3350			
	Performance										
5.01	Travel speed (laden/unladen)		km/h	20/20				20/20			
5.02	Lift speed (laden/unladen)		mm/s	480/520				450/520			
5.03	Lowering speed (laden/unlader)		mm/s	370/350				370/350			
5.04	Max. drawbar pull (laden/unladen)		kN	38	34	38	38	38	34	38	38
5.05	Max. gradeability (laden/unladen)		%	50	46	50	50	46	42	46	46
	Combustion-Engine										
6.01	Engine manufacturer/Model			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
6.02	Rated power/speed		KW/rpm	44.5/2450	55/2450	58.8/2450	49/2450	44.5/2450	55/2450	51.5/2450	49/2450
6.03	Max. torque speed		Nm/rpm	220.5/1600-1800	294/1600	294/1600-1800	245/1600	220.5/1600-1800	310/1600	255/1600-1800	245/1600
6.04	Cylinder number- bore * stroke		/_	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
6.05	Emission			China Stage I	Euro Stage IIA	China Stage IV	Euro Stage IIIA	China Stage I	Euro Stage IIA	China Stage IV	Euro Stage IIIA
6.06	Transmission gears (front/rear)			2-1Power Shift M/T				2-1Power Shift M/T			

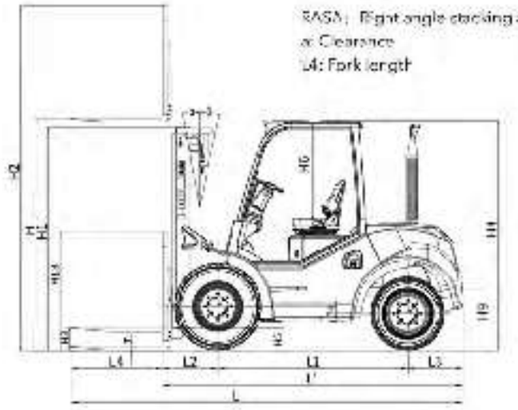
	Manufacturer and Technical Data (2-2.5t Standard 4-wheel Drive)									
	Characteristics									
1.01	Manufacturer			HELI						
1.02	Model			CPCD20	CPCD20	CPCD30	CPCD20	CPCD25	CPCD25	CPCD25	CPCD25
1.03	Configuration number			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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	4800				4950			
	Tyres										
3.01	Tyre type			Tubeless tyre				Tubeless tyre			
3.02	Wheel numbers(front,rear=driven wheels)			2x2				2x2			
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	mm	3000				3000			
4.02	Mast height (lowered)	H1	mm	2285				2285			
4.03	Max. height, extended(with backrest)	H2	mm	4040				4040			
4.04	Free lifting height	H3	mm	150				150			
4.05	Height of overhead guard	H4	mm	2450				2450			
4.06	Min. ground clearance	H5	mm	250				200			
4.07	Height of backrest	H13	mm	1900				1900			
4.08	Overall length (with/without fork)	L1/L1'	mm	4215/3140				4210/3140			
4.09	Wheel base	L1	mm	2000				2000			
4.10	Front overhang	L2	mm	650				580			
4.11	Rear overhang	L3	mm	500				500			
4.12	Overall width	W1	mm	1640				1640			
4.13	Track width (front/rear)	W2	mm	1350/1200				1350/1200			
4.14	Adjustment range of fork (min.outside fork/max./min.)	W5	mm	1385/250				1385/250			
4.15	Min. outside turning radius	r	mm	3400				3400			
4.16	Mast tilt angle (forward/backward)	α/β	°	12°/12°				10°/12°			
4.17	Fork size: thickness*width*length	s/e/l4	mm	40x122x1070				40x122x1070			
4.18	Min. right-angle aisle width	Ast	mm	3450				3450			
	Performance										
5.01	Travel speed (laden/unladen)		km/h	20/20				20/20			
5.02	Lift speed (laden/unladen)		mm/s	480/520				480/510			
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	38
5.05	Max. gradeability (laden/unladen)		%	50	46	50	50	46	42	46	46
	Combustion-Engine										
6.01	Engine manufacturer/Model			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
6.02	Rated power/speed		kW/rpm	44.5/2450	55/2450	58.8/2450	49/2450	44.5/2450	55/2450	51.5/2450	49/2450
6.03	Max. torque speed		Nm/rpm	220.5/1600-1800	294/1600	294/1600-1800	245/1600	220.5/1600-1800	310/1600	255/1600-1800	245/1600
6.04	Cylinder number- bore * stroke		/_	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
6.05	Emission			China Stage I	Euro Stage IIA	China Stage IV	Euro Stage IIIA	China Stage II	Euro Stage IIA	China Stage IV	Euro Stage IIIA
6.06	Transmission gears (front/rear)			2-1Power Shift M/T				2-1Power Shift M/T			

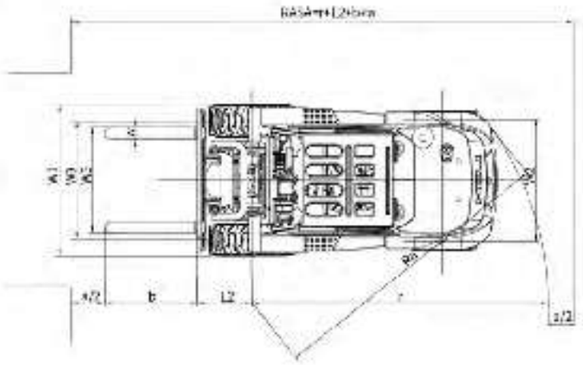
Manufacturer and Technical Data (3-3.5t High Performance Dual drive)

	Characteristics									
1.01	Manufacturer			HELI						
1.02	Model			CPCD30	CPCD30	CPCD30	CPCD30	CPCD35	CPCD35	CPCD35	CPCD35
1.03	Configuration number			(K3*1G3)(2WD)	(N4*2G3)(AWD)	(K3*2G3)(4WD)	(K4*2G3)(4WD)	(K4*2G3)(2WD)	(K3*2G3)(4WD)	(K4*2G3)(4WD)	(K4*2G3)(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	5100				5300			
	Tyres										
3.01	Tyre type			Tubeless tyre				Tubeless tyre			
3.02	Wheel numbers(front/rear=driven wheels)			2x2				2x2			
3.03	Tyre size, front			14-17.5-16T				14-17.5-16T			
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	2065				2065			
4.03	Max. height, extended with backrest)	H2	mm	4205				4205			
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	H3	mm	1175				1175			
4.08	Overall length (with/without fork)	L1	mm	4214/3044				4059/3189			
4.09	Wheel base	L1	mm	2000				2000			
4.10	Front overhang	L2	mm	584				584			
4.11	Rear overhang	L3	mm	630				500			
4.12	Overall width	W1	mm	1640				1640			
4.13	Track width (front/rear)	W2	mm	1350/1350				1350/1350			
4.14	Adjustment range of fork (outside/inside, Min.)	W5	mm	1385/250				1385/250			
4.15	Min. outside turning radius		mm	3400				3450			
4.16	Mast tilt angle (forward/backward)	α/β	°	10°/12°				10°/12°			
4.17	Fork size: thickness*width* ength	s/e/l 4	mm	45×125×1070				50×125×1070			
4.18	Min. right-angle aisle width	Ra	mm	3300				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	36	34	38	36	38	34	38	36
5.05	Max. gradeability (laden/unladen)		%	41	36	40	40	36	32	36	36
	Combustion Engine										
6.01	Engine manufacturer/Model			5102(4.0CZD-3)	5102(4.0CZD-3)/C4.4(4.4CZD-3)		5102(4.0CZD-3)/C4.4(4.4CZD-3)		5102(4.0CZD-3)/C4.4(4.4CZD-3)		5102(4.0CZD-3)/C4.4(4.4CZD-3)
6.02	Rated power/speed		kW/rpm	44.1/2450	55.2/2450	66.9/2500	62/2450	44.9/2450	55.0/2450	66.4/2500	62/2450
6.03	Max. torque speed		Nm/rpm	255.2/1600-1800	320/1600	390/1500-1800	360/1600	258.2/1600-1800	312/1500	372/1500-1800	350/1500
6.04	Cylinder number- bore * stroke		/L	4-95×107/3.054	4-95×107/3.054	4-98×107/3.228	4-98×107/3.228	4-95×107/3.054	4-95×107/3.054	4-98×107/3.228	4-98×107/3.228
6.05	Emission			China Stage II	Euro Stage IIIA	China Stage IV	EU Stage IV/EPA Tier IV	China Stage II	Euro Stage IIIA	China Stage IV	EU Stage IV/EPA Tier IV
6.06	Transmission gears (front/rear)			2-1Power Shift M/T				2-1Power Shift M/T			

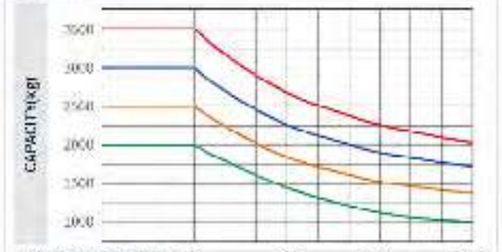
Manufacturer and Technical Data (3-3.5t Standard 4-wheel Drive)

	Characteristics									
1.01	Manufacturer			HELI						
1.02	Model			CPCD30	CPCD30	CPCD30	CPCD30	CPCD35	CPCD35	CPCD35	CPCD35
1.03	Configuration number			(K3*1G3)(2WD)	(N4*4G3)(4WD)	(K3*4G3)(4WD)	(K4*4G3)(4WD)	(K3*4G3)(4AD)	(K4*4G3)(4AD)	(K3*4G3)(4WD)	(K4*4G3)(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)			2x2				2x2			
3.03	Tyre size, front			14-17.5-16TI				14-17.5-16TI			
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	2200				2200			
4.03	Max. height, extended with backrest)	H2	mm	4205				4205			
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	H3	mm	1175				1175			
4.08	Overall length (with/without fork)	L1	mm	4144/3004				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)	W2	mm	1350/1350				1350/1350			
4.14	Adjustment range of fork (outside/inside, Min.)	W5	mm	1385/250				1385/250			
4.15	Min. outside turning radius		mm	3550				3600			
4.16	Mast tilt angle (forward/backward)	α/β	°	10°/12°				10°/12°			
4.17	Fork size: thickness*width*length	s/e/l 4	mm	45×125×1070				50×125×1070			
4.18	Min. right-angle aisle width	Ra	mm	3450				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	36	34	38	36	38	34	38	36
5.05	Max. gradeability (laden/unladen)		%	40	36	40	40	36	32	36	36
	Combustion Engine										
6.01	Engine manufacturer/Model			5102(4.0CZD-3)	5102(4.0CZD-3)/C4.4(4.4CZD-3)		5102(4.0CZD-3)/C4.4(4.4CZD-3)		5102(4.0CZD-3)/C4.4(4.4CZD-3)		5102(4.0CZD-3)/C4.4(4.4CZD-3)
6.02	Rated power/speed		kW/rpm	44.1/2450	55.2/2450	66.9/2500	62/2450	44.9/2450	55.0/2450	66.4/2500	62/2450
6.03	Max. torque speed		Nm/rpm	255.2/1600-1800	320/1600	390/1500-1800	360/1600	258.2/1600-1800	312/1500	372/1500-1800	350/1500
6.04	Cylinder number- bore * stroke		/L	4-95×107/3.054	4-95×107/3.054	4-98×107/3.228	4-98×107/3.228	4-95×107/3.054	4-95×107/3.054	4-98×107/3.228	4-98×107/3.228
6.05	Emission			China Stage II	Euro Stage IIIA	China Stage IV	EU Stage IV/EPA Tier IV	China Stage II	Euro Stage IIIA	China Stage IV	EU Stage IV/EPA Tier IV
6.06	Transmission gears (front/rear)			2-1Power Shift M/T				2-1Power Shift M/T			





Load curve



CPCD35 CPCD30 CPCD25 CPCD20

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 to ward, The worker using nonstandard forks for loading large goods, the load capacity will be recuted. The load capacity of standard mast 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 (mm)	Service weight(kg)				Mast tilting angle (α/β) (deg.)
		CPCD20	CPCD25	CPCD30	CPCD35		2-2.5t	3-3.5t		CPCD20	CPCD25	CPCD30	CPCD35	
ZM200	2000	2000	2500	3000	3500	1765	3835	3935	165	4525	4775	5025	5225	10°/12°
ZM250	2500	2000	2500	3000	3500	2115	4335	4435	515	4585	4835	5085	5285	10°/12°
ZM300	3000	2000	2500	3000	3500	2465	4835	4935	1065	4635	4875	5125	5325	10°/12°
ZM330	3300	2000	2500	3000	3500	2715	4335	4935	1315	4685	4935	5185	5385	10°/12°
ZM350	3500	2000	2500	3000	3500	2915	4535	4735	1515	4765	4965	5215	5465	10°/12°
ZM370	3700	2000	2500	3000	3500	2915	4735	4935	1415	4715	4965	5215	5415	10°/12°
ZM400	4000	2000	2500	3000	3500	2915	5035	5235	1615	4785	5035	5285	5485	10°/9°
ZM425	4250	1950	2200	2900	3500	2740	5285	5435	1740	4865	5115	5365	5565	10°/9°
ZM450	4500	1850	2000	2700	3400	2965	5535	5785	1865	4915	5165	5415	5615	10°/9°
ZM475	4750	1800	1800	2630	3320	3190	5835	5985	1990	4965	5215	5465	5665	10°/9°
ZM500	5000	1700	1700	2600	3100	3315	6035	6285	2115	4965	5215	5465	5665	9°/8°
ZM550	5500	1500	1470	2400	2900	3615	6535	6785	2415	4965	5215	5465	5665	9°/8°
ZM600	6000	1300	1200	2000	2500	3965	7035	7285	2665	5045	5295	5545	5745	9°/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 backrest) (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	
ZSM360	3600	1500	2400	2800	3300	2015	4855	4805	815	4560	4930	5180	5330	10°/9°
ZSM400	4000	1500	2400	2800	3300	2190	5255	5205	990	4730	4980	5230	5480	10°/9°
ZSM435	4350	1500	2300	2800	3300	2365	5480	5630	1065	4800	5050	5300	5530	10°/9°
ZSM450	4500	1650	2130	2730	3200	2315	5555	5705	1115	4830	5080	5330	5540	10°/9°
ZSM470	4700	1750	1900	2530	3000	2870	5750	5900	1175	4850	5130	5330	5590	10°/9°
ZSM480	4800	1750	1900	2530	3000	2415	5850	6000	1215	4900	5150	5400	5610	10°/9°
ZSM500	5000	1600	1800	2400	2900	2515	6050	6200	1315	4970	5220	5470	5670	9°/8°
ZSM550	5500	1300	1500	2150	2700	2615	6450	6700	1415	5070	5320	5570	5770	9°/8°
ZSM600	6000	1000	1150	1750	2250	2815	6750	7000	1615	5130	5380	5630	5830	9°/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 backrest) (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	1765	3835	3935	150	4535	4785	5035	5235	10°/12°
M250	2500	2000	2500	3000	3500	2015	4335	4435	150	4585	4835	5085	5285	10°/12°
M300	3000	2000	2500	3000	3500	2265	4835	4935	150	4635	4885	5135	5335	10°/12°
M330	3300	2000	2500	3000	3500	2415	4335	4935	150	4685	4935	5185	5385	10°/12°
M350	3500	2000	2500	3000	3500	2515	4535	4735	150	4685	4935	5185	5385	10°/12°
M370	3700	2000	2500	3000	3500	2615	4735	4935	150	4685	4935	5185	5385	10°/12°
M400	4000	2000	2500	3000	3500	2815	5035	5235	150	4785	5035	5285	5485	10°/9°
M425	4250	1900	2100	2930	3500	2940	5285	5435	150	4785	5035	5285	5485	10°/9°
M450	4500	1850	2000	2630	3400	3065	5535	5785	150	4785	5035	5285	5485	10°/9°
M475	4750	1800	1800	2630	3350	3190	5835	5985	150	4885	5135	5385	5585	10°/9°
M500	5000	1500	1700	2600	3100	3315	6035	6285	150	4885	5135	5385	5585	9°/8°
M550	5500	1300	1450	2400	2900	3615	6535	6785	150	4985	5235	5485	5685	9°/8°
M600	6000	1200	1100	2000	2500	3965	7035	7285	150	5035	5285	5535	5735	9°/8°

