

3.5t

HELI

Manufacturer and Technical Data						
	Characteristics				HELI	
1.01	Manufacturer					
1.02	Model			CPD20	CPD25	CPD30
1.03	No.Configurationg			A16LIY4G3	A16LIY4G3	A16LIY4G3
1.04	Rated capacity		kg	2000	2500	3000
1.05	Load center distance		mm	500	500	500
1.06	Power mode			Lithium battery	Lithium battery	Lithium battery
1.07	Driving mode			Seat-type	Seat-type	Seat-type
	Weight					
2.01	Total weight		kg	4900	5150	5400
	Tyres					
3.01	Tyre type			Tubeless tyre	Tubeless tyre	Tubeless tyre
3.02	Wheel numbers front/rear(x=driven wheels)			2x/2	2x/2	2x/2
3.03	Tyre size,front			14-17.5-14TL	14-17.5-14TL	14-17.5-14TL
3.04	Tyre size,rear			10.0/75-15.3TL	10.0/75-15.3TL	10.0/75-15.3TL
	Dimensions					
4.01	Lifting heigh		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	4055	4200
4.04	Free lifting height		H3	mm	160	160
4.05	Height of overhead guard		H4	mm	2420	2420
4.06	Min.ground clearance		H5	mm	290	290
4.07	Height of backrest		H13	mm	1010	1155
4.08	Overall length(with/without fork)		L/L'	mm	4210/3140	4214/3144
4.09	Wheel base		L1	mm	2000	2000
4.10	Front overhang		L2	mm	580	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	Adjustmentrange of fork(outside fork Max/Min)		W5	mm	1345/250	1395/250
4.15	Min.outside turning,radius		r	mm	3500	3550
4.16	Mast tilt angle(forward/backward)		α/β	°	10°/12°	10°/12°
4.17	Fork size:thickness*width*length		TxWxL4	mm	40x122x1070	45x125x1070
4.18	Min.right-angle aisle width		Ra	mm	3400	3450
	Performance					
5.01	Travel speed(landen/unladen)		km/h	26/28	26/28	26/28
5.02	Lift speed(landen/unladen)		mm/s	480/520	480/520	480/520
5.03	Lowering speedd(landen/unladen)		mm/s	370/350	370/350	370/350
5.04	Max.drawbar pull(landen)		kN	55	55	55
5.05	Max.gradeability(landen)		%	48	47	46
	Battery and motor					
6.01	Battery voltage/Capacity		V/Ah	309/150 (46.3)	309/150 (46.3)	309/150 (46.3)
6.02	Battery weight		V/Ah	309/125 (38.6)	309/125 (38.6)	309/125 (38.6)
				309/160 (49.4)	309/160 (49.4)	309/160 (49.4)
6.03	Driving motor powering (S2-60min)		kW	45/15	45/15	45/15
6.04	Lifting motor powering (S3-15%)		kW	23	23	23
6.05	Driving motor controlling mode				permanent magnet synchronous	
6.06	Lifting motor controlling mode				permanent magnet synchronous	

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Electric Counterbalance
Rough Terrain Forklift



- Following the classic appearance style of internal combustion rough terrain forklift, the lines are strong and powerful, and the overall style is stable and atmospheric.
- Differential, two wheel drive/four-wheel drive mode can be switched with just one click, designed specifically for rugged terrain and harsh natural environments.
- Efficient and high torque permanent magnet synchronous motor paired with a high speed ratio gearbox, with power and handling performance comparable to internal combustion rough terrain forklift.
- The brand new front and rear dual drive design effectively increases the layout space, and the vehicle controller controls the flexible distribution of torque between the front and rear motors to adapt to various special working conditions.
- The electric motor control water cooling system adopts a large vent design for internal combustion rough terrain forklift, with fast heat exchange and better heat dissipation performance.
- The entire vehicle comes standard with LED lighting fixtures, which have high brightness and long lifespan, effectively ensuring the normal operation of the vehicle.



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HELI



Full LED lamps, energy-saving and efficient, long life, maintenance-free



It's easy to switch between 2WD and 4WD at any time.



The charging port is neatly styled and compact for ease of use.



Standard roof, outdoor work without fear of sun and rain



The layout of the instrument panel conforms to human-machine operating habits, integrated handle switches, integrated electro-hydraulic reversing handle, ratcheting hand brake, and more comfortable operation.

Wide View Standard Mast

Mast model	Max.lifting height (mm)	Load capacity(kg)				Height(mm)			Free lift (mm)	Service weight(kg)				Mast tilt angle Former/After (α/β) (deg.)
		CPD20	CPD25	CPD30	CPD35	Fork landing	Fork lifting (with backrest)			CPD20	CPD25	CPD30	CPD35	
							2-2.5t	3-3.5t						
M200	2000	2000	2500	3000	3500	1765	3055	3200	150	4800	5050	5300	5500	10°/12°
M250	2500	2000	2500	3000	3500	2015	3555	3700	150	4860	5110	5360	5560	10°/12°
M270	2700	2000	2500	3000	3500	2115	3755	3900	150	4880	5130	5380	5580	10°/12°
M300	3000	2000	2500	3000	3500	2265	4055	4200	150	4900	5150	5400	5600	10°/12°
M330	3300	2000	2500	3000	3500	2415	4355	4500	150	4960	5210	5460	5660	10°/12°
M350	3500	2000	2500	3000	3500	2515	4555	4700	150	4980	5230	5480	5680	10°/12°
M370	3700	2000	2500	3000	3500	2615	4755	4900	150	4990	5240	5490	5690	10°/12°
M400	4000	2000	2500	3000	3500	2815	5055	5200	150	5060	5310	5560	5760	10°/6°
M425	4250	1950	2200	2900	3500	2940	5305	5450	150	5080	5330	5580	5780	10°/6°
M450	4500	1850	2000	2900	3400	3065	5555	5700	150	5090	5340	5590	5790	10°/6°
M475	4750	1600	1800	2850	3350	3190	5805	5950	150	5140	5390	5640	5840	10°/6°
M500	5000	1500	1700	2600	3100	3315	6055	6200	150	5180	5430	5680	5880	5°/6°
M550	5500	1350	1450	2400	2900	3615	6555	6700	150	5270	5520	5770	5970	5°/6°
M600	6000	1200	1300	2000	2500	3865	7055	7200	150	5320	5570	5820	6020	5°/6°

Wide View Full Free 2-Stage Mast

Mast model	Max.lifting height (mm)	Load capacity(kg)				Height(mm)			Free lift (mm)	Service weight(kg)				Mast tilt angle Former/After (α/β) (deg.)
		CPD20	CPD25	CPD30	CPD35	Fork landing	Fork lifting (with backrest)			CPD20	CPD25	CPD30	CPD35	
							2-2.5t	3-3.5t						
ZM200	2000	2000	2500	3000	3500	1765	3055	3200	565	4820	5070	5320	5520	10°/12°
ZM250	2500	2000	2500	3000	3500	2015	3555	3700	815	4880	5130	5380	5580	10°/12°
ZM270	2700	2000	2500	3000	3500	2115	3755	3800	915	4900	5150	5400	5600	10°/12°
ZM300	3000	2000	2500	3000	3500	2265	4055	4200	1065	4920	5170	5420	5620	10°/12°
ZM330	3300	2000	2500	3000	3500	2415	4355	4500	1215	4980	5230	5480	5680	10°/12°
ZM350	3500	2000	2500	3000	3500	2515	4555	4700	1315	5000	5250	5500	5700	10°/12°
ZM370	3700	2000	2500	3000	3500	2615	4755	4900	1415	5010	5260	5510	5710	10°/12°
ZM400	4000	2000	2500	3000	3500	2815	5055	5200	1615	5080	5330	5580	5780	10°/6°
ZM425	4250	1950	2200	2900	3500	2940	5305	5450	1740	5100	5350	5600	5800	10°/6°
ZM450	4500	1850	2000	2900	3400	3065	5555	5700	1865	5110	5360	5610	5810	10°/6°
ZM475	4750	1600	1800	2850	3350	3190	5805	5950	1990	5160	5410	5660	5860	10°/6°
ZM500	5000	1500	1700	2600	3100	3315	6055	6200	2115	5200	5450	5700	5900	5°/6°
ZM550	5500	1300	1400	2400	2900	3615	6555	6700	2415	5290	5540	5790	5990	5°/6°
ZM600	6000	1100	1200	2000	2500	3865	7055	7200	2665	5340	5590	5840	6040	5°/6°

Wide View Full Free 3-Stage Mast

Mast model	Max.lifting height (mm)	Load capacity(kg)				Height(mm)			Free lift (mm)	Service weight(kg)				Mast tilt angle Former/After (α/β) (deg.)
		CPD20	CPD25	CPD30	CPD35	Fork landing	Fork lifting (with backrest)			CPD20	CPD25	CPD30	CPD35	
							2-2.5t	3-3.5t						
ZSM360	3600	1900	2400	2800	3300	2015	4655	4800	815	4990	5240	5490	5690	10°/6°
ZSM400	4000	1900	2400	2800	3300	2165	5055	5200	965	5030	5280	5530	5730	10°/6°
ZSM435	4350	1900	2300	2800	3300	2265	5405	5550	1065	5110	5360	5610	5810	10°/6°
ZSM450	4500	1850	2150	2700	3200	2315	5555	5700	1115	5140	5390	5640	5840	10°/6°
ZSM470	4700	1750	1900	2500	3000	2375	5755	5900	1175	5160	5410	5660	5860	10°/6°
ZSM480	4800	1750	1900	2500	3000	2415	5855	6000	1215	5210	5460	5710	5910	10°/6°
ZSM500	5000	1600	1800	2400	2900	2515	6055	6200	1315	5270	5520	5770	5970	5°/6°
ZSM550	5500	1300	1500	2100	2900	2615	6455	6600	1415	5370	5620	5870	6070	5°/6°
ZSM600	6000	1000	1150	1750	2250	2815	7055	7200	1615	5430	5680	5930	6130	5°/6°