



HELI

CPD15/18/20/25 /30/35/38

A3LiH4-M A3LiPH4-M A7LiH4-S A7XLiH4-S

H4 SERIES

1.5-3.8 t LITHIUM

H4 series Lithium-ion Battery
Forklift Truck



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Lead & Lithium Are Ready To Go.

- / People oriented design concept
- / Inheritance family design concept
- / Seek breakthrough in a appearance
- / Showing dynamic charm in design details

Comfort and energy saving 01~02

The user experience is fully considered, and the superior operating space design provides high driving comfort.

Stable and Reliable 03~04

CAE analysis, component bench test and whole truck strengthening test are used to ensure reliability.

Intelligent security 05

Intelligent control and protection improve the safety of drivers.

Convenient maintenance 06

More convenient maintenance operation improves the maintenance efficiency of after-sale services.

Comfort and energy saving

The user experience is fully considered, and the superior operating space design provides high driving comfort.

Wide view mast design, wide front view

The big handle and the super spacious cab design are suitable for people of different heights.

Steering wheel start steering (optional)

P, E, S three speed regulation

P	Powerful	Multi gear performance mode can be freely selected according to actual working conditions.
E	Economics	
S	Energy saving	

The whole truck is equipped with LED lighting system as standard, with high brightness, long service life and more energy saving

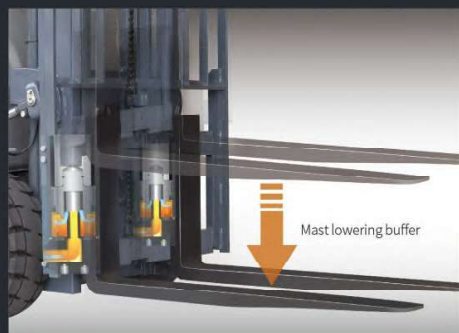
Reversing horn handle (s optional, M standard)



Semi enclosed shock-absorbing seat offers high comfort.



Electric special pattern tyre has low driving resistance.



Mast lowering buffer



Gantry lifting buffer (optional)

Right set operating valve stem offers good operation comfort.

Intelligent color screen instrument offers more friendly human-computer interaction.



Graphical interface design / Friendly interface
integrated handheld unit function /
optional integrated vehicle networking function



Full package design of instrument panel;
Water cup holder, mobile phone storage space,
USB interface (optional for S, standard for M)

Stable and Reliable

CAE analysis, component bench test and whole truck strengthening test are used to ensure reliability.

Reliable components



Steering axle:

Cast axle body, tapered roller bearing



Drive axle:

Integral brake drum, integral cast axle housing, half shaft oil seal design, high-precision gear with large coincidence



Mast:

Borrowing the main components of mature mast of internal combustion forklift truck

Sheet metal stamping side cover

All metal anti-skid pedal



Good lateral stability of the whole truck and guaranteed safety during operation

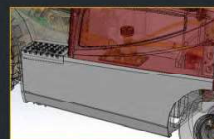


High rotation point steering axle



Middle and sink layout of the battery

Good heat dissipation



Side mounted welded oil tank



Test verification



Rain test

Simulate the operation under 15min rainstorm, reach IPx4 protection grade, and meet the needs of outdoor operation.



Cold storage test

The whole truck can run continuously after 6 hours of alternating operation in the -20 °C cold storage and 12 hours of parking in the cold storage.



Vehicle vibration test

The vibration frequency of the whole truck is tested to optimize and improve the operating comfort.



Reliability endurance test

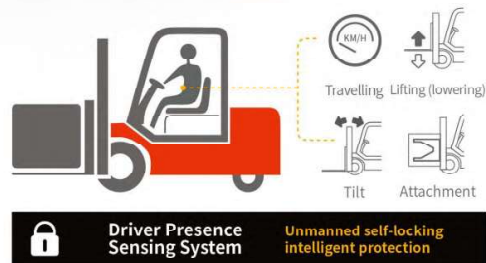
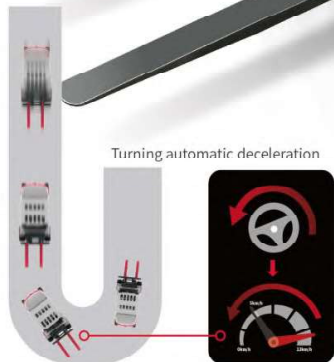
800 hour strengthening of the whole truck (including climbing, rain, bumpy road, etc.).

Intelligent security

Intelligent control and protection improve the safety of drivers.

- Dual core controller
- OPS protection
(standard driving OPS / optional hydraulic OPS)
- Hydraulic burst protection, forward tilting self-locking protection
- Electrical multiple protection
(short circuit protection, overheat protection, low power protection, sequence protection)
- Parking safety reminder
- Reminder through slow sliding on ramp
- Turning automatic deceleration (optional)

- Pump, pump motor, controller and other main electrical components are located on the counterweight, which is convenient for maintenance.
- Battery side pulling model can be chosen for more efficient replacement and maintenance.
- Flexible battery charging mode
(can be charged with the truck or replaced)

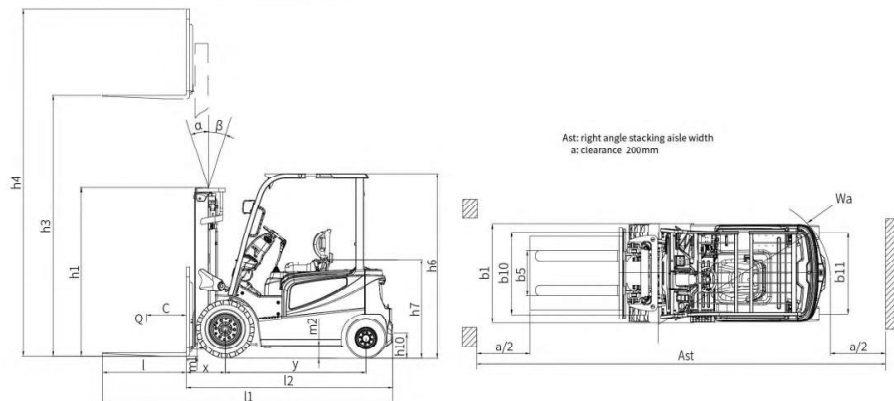


Convenient maintenance

More convenient maintenance operation improves the maintenance efficiency of after-sale services.

Manufacturer and Technical Data(Tabulation 1)

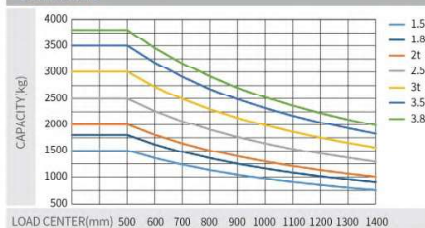
Characteristics									
1.01	Manufacturer								
1.02	Model			CPD15	CPD18	HELI	CPD15	CPD18	CPD20
1.03	Configuration number			A3LIH4-M*			A7LIH4-S		A7XLIH4-S
1.04	Rated capacity	Q	kg	1500	1800		1500	1800	2000
1.05	Load center distance	c	mm				500		
1.06	Power mode			Lithium battery					
1.07	Driving mode			Seated					
1.08	Front overhang	x	mm		409		409		414
1.09	Wheelbase	y	mm		1475			1475	
Weight									
2.01	Total weight (with/without battery)		kg	2855/2675	2970/2790		2835/2672	2950/2787	3100/2920
2.02	Axle load (laden,front/rear)		kg	3719/636	4203/567		3711/624	4196/555	4547/553
2.03	Axle load (unladen, front/rear)		kg	1294/1561	1293/1677		1287/1548	1286/1664	1308/1792
Tyres									
3.01	Tyre type			Pneumatic tyre			Pneumatic tyre		
3.02	Tyre size, front			6.50-10-10PR			6.50-10-10PR		
3.03	Tyre size, rear			16×6-8-10PR			16×6-8-10PR		
3.04	Wheels, number front/rear (x=driven wheels)			2/2			2/2		
3.05	Tread, front	b10	mm	934			934		
3.06	Tread, rear	b11	mm	920			920		
Dimensions									
4.01	Mast tilt angle (forward/backward)	α/β	°	6/8			6/8		
4.02	Height (mast lowered)	h1	mm	1995			1995		
4.03	Free lifting height	h2	mm	155			155		
4.04	Lifting height (standard)	h3	mm	3000			3000		
4.05	Max. height, extended (with backrest)	h4	mm	4014			4014		
4.06	Height of overhead guard	h6	mm	2130			2130		
4.07	Seat height relating to SIP (to ground)	h7	mm	1125			1125		
4.08	Towing coupling height	h10	mm	250			250		
4.09	Overall length (with fork)	l1	mm	3120			3125		
4.10	Overall length (without fork)	l2	mm	2200			2205		
4.11	Overall width	b1	mm	1120			1120		
4.12	Fork carriage, according to ISO2328			2A			2A		
4.13	Fork size:thickness x width x length	s/e/l	mm	35×100×920			35×100×920		
4.14	Fork adjustable range(external at the fork),Max./Min.	b5	mm	960/200			960/200		
4.15	Ground clearance (at mast)	m1	mm	100			100		
4.16	Ground clearance (center of wheelbase)	m2	mm	95			95		
4.17	Right angle stacking aisle width for pallet 1000 x1200mm crossways	Ast	mm	3575			3580		
4.18	Right angle stacking aisle width for pallet 800 x1200mm lengthways	Ast	mm	3770			3775		
4.19	Min. outside turning radius	Wa	mm	1920			1920		
Performance data									
5.01	Travel speed (laden/unladen)		km/h	14.5/15			12/13		
5.02	Lift speed (laden/unladen)		m/s	0.320/0.440			0.290/0.400		
5.03	Lowering speed (laden/unladen)		m/s	0.400/0.400			0.400/0.400		
5.04	Max.drawbar pull (laden)	N		10200/9700			10200/9700		
5.05	Max.gradeability (laden/unladen)	%		17/27			15/23		
5.06	Acceleration time(10 m)(laden/unladen)	s		5.5/5.2			6.0/5.7		
Battery									
6.01	Battery voltage/Capacity		V/Ah	80/150			80/125		
6.02	Battery weight		kg	180			163		
Motor and controller									
7.01	Driving motor powering (S2-60min)		kW	8			8		
7.02	Lifting motor powering (S3-15%)		kW	10.6			10.6		
7.03	Driving motor controlling mode			MOSFET/AC			MOSFET/AC		
7.04	Lifting motor controlling mode			MOSFET/AC			MOSFET/AC		
Addition data									
8.01	Service brake/Parking brake			Hydraulic/Mechanical					
8.02	Operating pressure for attachments		Mpa	16					



Manufacturer and Technical Data(Tabulation 2)

Characteristics				HELI					
1.01	Manufacturer								
1.02	Model			CPD20		CPD25		CPD20	CPD25
1.03	Configuration number				A3LIH4-M			A7LIH4-S	
1.04	Rated capacity	Q	kg	2000		2500		2000	2500
1.05	Load center distance	c	mm			500			
1.06	Power mode					Lithium battery			
1.07	Driving mode					Seated			
1.08	Front overhang	x	mm			460			
1.09	Wheelbase	y	mm			1660			
Weight									
2.01	Total weight (with/without battery)		kg	3585/3395		3925/3735		3540/3375	3880/3715
2.02	Axle load (laden,front/rear)		kg	4970/615		5790/635		4940/600	5760/620
2.03	Axle load (unladen, front/rear)		kg	1750/1835		1780/2145		1720/1820	1750/2130
Tyres									
3.01	Tyre type					Pneumatic tyre			
3.02	Tyre size, front					7.00-12-14PR			
3.03	Tyre size, rear					18×7-8-14PR			
3.04	Wheels, number front/rear (x=driven wheels)					2/2			
3.05	Tread, front	b10	mm			970			
3.06	Tread, rear	b11	mm			960			
Dimensions									
4.01	Mast tilt angle (forward/backward)	α/β	°			6/10			
4.02	Height (mast lowered)	h1	mm			2000			
4.03	Free lifting height	h2	mm			165			
4.04	Lifting height (standard)	h3	mm			3000			
4.05	Max. height, extended (with backrest)	h4	mm			4020			
4.06	Height of overhead guard	h6	mm			2170			
4.07	Seat height relating to SIP (to ground)	h7	mm			1154			
4.08	Towing coupling height	h10	mm			300			
4.09	Overall length (with fork)	l1	mm	3354		3504		3354	3504
4.10	Overall length (without fork)	l2	mm			2434			
4.11	Overall width	b1	mm			1180			
4.12	Fork carriage, according to ISO2328					2A			
4.13	Fork size:thickness x width x length	s/e/l	mm	40×122×920		40×122×1070		40×122×920	40×122×1070
4.14	Fork adjustable range(external at the fork),Max./Min.	b5	mm			1030/250			
4.15	Ground clearance (at mast)	m1	mm			100			
4.16	Ground clearance (center of wheelbase)	m2	mm			125			
4.17	Right angle stacking aisle width for pallet 1000×1200mm crossways	Ast	mm			3753			
4.18	Right angle stacking aisle width for pallet 800×1200mm lengthways	Ast	mm			3953			
4.19	Min. outside turning radius	Wa	mm			2140			
Performance data									
5.01	Travel speed (laden/unladen)		km/h		14.5/15			12/13	
5.02	Lift speed (laden/unladen)		m/s	0.320/0.440		0.290/0.440	0.290/0.400		0.270/0.400
5.03	Lowering speed (laden/unladen)		m/s			0.360/0.460			
5.04	Max.drawbar pull (laden)	N		13600/13000		14000/13300	13600/13000		14000/13300
5.05	Max.gradeability (laden/unladen)	%		17/26		15/25	15/25		15/25
5.06	Acceleration time(10 m)(laden/unladen)	s		5.9/5.0		6.1/5.0	6.0/5.3		6.2/5.3
Battery									
6.01	Battery voltage/Capacity		V/Ah		80/202			80/150	
6.02	Battery weight		kg		190			165	
Motor and controller									
7.01	Driving motor powering (S2-60min)		kW			11			
7.02	Lifting motor powering (S3-15%)		kW			12			
7.03	Driving motor controlling mode					MOSFET/AC			
7.04	Lifting motor controlling mode					MOSFET/AC			
Addition data									
8.01	Service brake/Parking brake					Hydraulic/Mechanical			
8.02	Operating pressure for attachments		Mpa			16			

Load curve



Note:

The vertical axis stands for load capacity and 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 mast is tilted forward, using non-standard forks or 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.

Manufacturer and Technical Data (Tabulation 3)

Characteristics			HELI								
1.01 Manufacturer			CPD30		CPD35	CPD30		CPD35	CPD30	CPD35	CPD38
1.02 Model			A3I.IH4-M*			A3I.IPH4-M			A7I.IH4-S		A7I.IH4-S
1.03 Configuration number			3000		3500	3000		3500	3000		3500
1.04 Rated capacity	Q	kg	3000		3500	3000		3500	3000		3500
1.05 Load center distance	c	mm	500								
1.06 Power mode			Lithium battery								
1.07 Driving mode			Seated								
1.08 Front overhang	x	mm	477		482	477		482	477		482
1.09 Wheelbase	y	mm				1750					1780
Weight											
2.01 Total weight (with/without battery)		kg	4550/4310		4860/4620	4670/4430		4980/4740	4500/4290		4810/4600
2.02 Axle load (laden, front/rear)		kg	6750/800		7630/730	6810/860		7690/790	6710/790		7590/720
2.03 Axle load (unladen, front/rear)		kg	2050/2500		2110/2750	2110/2560		2170/2810	2010/2490		2070/2740
Tyres											
3.01 Tyre type			Pneumatic tyre (front tyre)/Solid tyre (rear tyre)								
3.02 Tyre size, front			28×9.15-14PR								
3.03 Tyre size, rear			18×7-8								
3.04 Wheels, number front/rear (x=driven wheels)			2/2								
3.05 Tread, front	b10	mm	1000								
3.06 Tread, rear	b11	mm	970								
Dimensions											
4.01 Mast tilt angle (forward/backward)	α/β	°	6/10								
4.02 Height (mast lowered)	h1	mm	2070		2120	2070		2120	2070		2120
4.03 Free lifting height	h2	mm	155			155					160
4.04 Lifting height (standard)	h3	mm	3000								
4.05 Max. height, extended (with backrest)	h4	mm	4217								
4.06 Height of overhead guard	h6	mm	2180								
4.07 Seat height relating to SIP (to ground)	h7	mm	1164								
4.08 Towing coupling height	h10	mm	310								
4.09 Overall length (with fork)	l1	mm	3637		3642	3637		3642	3637		3642
4.10 Overall length (without fork)	l2	mm	2567		2572	2567		2572	2567		2572
4.11 Overall width	b1	mm	1260								
4.12 Fork carriage, according to ISO2328			3A								
4.13 Fork size:thickness x width x length	s/e/l	mm	45×125×1070		50×125×1070	45×125×1070		50×125×1070	45×125×1070		50×125×1070
4.14 Fork adjustable range (external at the fork), Max./Min.	b5	mm	1060/250								
4.15 Ground clearance (at mast)	m1	mm	110								
4.16 Ground clearance (center of wheelbase)	m2	mm	135								
4.17 Right angle stacking aisle width for pallet 1000x1200mm crossways	ast	mm	3912		3917	3912		3917	3912		3917
4.18 Right angle stacking aisle width for pallet 800x1200mm lengthways	ast	mm	4115		4117	4115		4117	4115		4117
4.19 Min. outside turning radius	Wa	mm	2235								
Performance data											
5.01 Travel speed (laden/unladen)	km/h		14.5/15			14.5/15			12/13		12/13
5.02 Lift speed (laden/unladen)	m/s		0.320/0.440			0.320/0.440			0.290/0.440		0.270/0.400
5.03 Lowering speed (laden/unladen)	m/s		0.320/0.440			0.320/0.440			0.400/0.400		0.270/0.400
5.04 Max.drawbar pull (laden)	N		16300/15800		17000/16600	16300/15800		17000/16600	16300/16000		16900/15900
5.05 Max. gradeability (laden/unladen)	%		17/26		15/23	17/26		15/23	15/25		15/22
5.06 Acceleration time (10 m) (laden/unladen)	s		5.7/5.1		6.1/5.2	5.7/5.1		6.1/5.2	5.8/5.3		6.2/5.2
Battery											
6.01 Battery voltage/Capacity	V/Ah		80/250			80/250			80/202		80/250
6.02 Battery weight	kg		240			240			210		240
Motor and controller											
7.01 Driving motor powering (S2-60min)	kW		15								
7.02 Lifting motor powering (S3-15%)	kW		16								
7.03 Driving motor controlling mode			MOSFET/AC								
7.04 Lifting motor controlling mode			MOSFET/AC								
Addition data											
8.01 Service brake/Parking brake			Hydraulic/Mechanical								
8.02 Operating pressure for attachments	Mpa		16								

Note: P refers to the battery side pulling.

Lithium battery										
Battery brand			HELI				CATL			
Voltage/Capacity	80V/125Ah	80V/150Ah	80V/200Ah	80V/250Ah	80V/280Ah	80V/400Ah	80V/560Ah	80V/125Ah	80V/150Ah	80V/173Ah
1.5-1.8t S	●	○	○	○	○	○	○	○	○	○
1.5-1.8t M	○	○	○	○	○	○	○	○	○	○
2t (X) S	○	○	○	○	○	○	○	○	○	○
2.2-2.5t S	○	○	○	○	○	○	○	○	○	○
2.2-2.5t M	○	○	○	○	○	○	○	○	○	○
3.3-3.5t S	○	○	○	○	○	○	○	○	○	○
3.3-3.5t M	○	○	○	○	○	○	○	○	○	○
3.8t S	○	○	○	○	○	○	○	○	○	○
Heating at low temperature	○	○	○	○	○	○	○	○	○	○

Note: "●" standard; "○" optional; "—" non-configurable.

Charger		
Model		DS0V100ALI-438
Wiring type		Three-phase four-wiring type
Power of charger	KVA	10
Air switch model of Upper level power		32
Input voltage range	Vac	380±15%
Input current	A	≤ 20A
Output current	A	5-100
Protection level		For indoor use
Working ambient temperature	°C	-20~+45
Plugs and sockets		REMA320
Charger	Full charging time=required charging capacity/charging current+0.2h For example: the battery capacity is 80V/250Ah, and the discharging state is alarmed by instrument, The charger is 100A, thus the full charging time is 250*0.100+0.2≈2.45h	

1.5t/1.8t/2t(E) Mast parameters

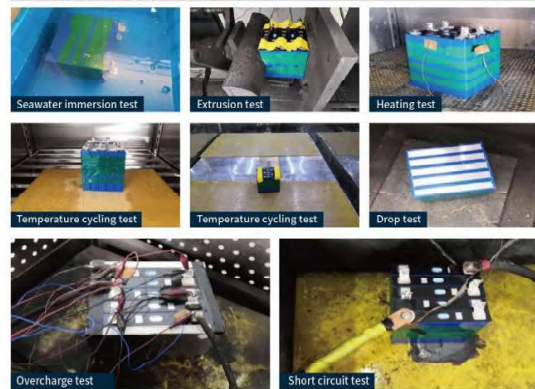
Mast type	Mast model	Max. lifting height (mm)	Load capacity (load center 500mm)(kg)			Mast lowered (mm)		Free lift (with backrest) (mm)		Service weight (kg)					Mast tilt angle α/β (°)		
			1.5t	1.8t	2t(E)	1.5-1.8t	2t(E)	1.5-1.8t	1.5t	1.5t-S	1.5t-M	1.8t-S	1.8t-M	2t(E)	1.5-1.8t	2t(E)	
2-stage standard Mast	M200	2000	1500	1800	2000	1495	1495	155	155	2771	2791	2886	2905	3036	6/8	6/8	
	M250	2500	1500	1800	2000	1745	1745	155	155	2803	2823	2918	2938	3058	6/8	6/8	
	M300	3000	1500	1800	2000	1995	1995	155	155	2835	2855	2950	2970	3100	6/8	6/8	
	M330	3300	1500	1800	2000	2145	2145	155	155	2854	2874	2969	2989	3119	6/8	6/8	
	M350	3500	1500	1800	2000	2245	2245	155	155	2867	2887	2982	3002	3132	6/8	6/6	
	M370	3700	1500	1800	2000	2345	2345	155	155	2880	2900	2995	3015	3145	6/6	6/6	
	M400	4000	1500	1800	2000	2545	2545	155	155	2945	2965	3040	3060	3190	6/6	6/6	
	M425	4250	1500	1800	1950	2670	2670	155	155	2945	2965	3060	3080	3210	6/6	6/6	
	M450	4500	1450	1750	1750	2795	2795	155	155	2961	2981	3076	3096	3226	6/6	6/6	
	M500	5000	1300	1600	1500	3045	3045	155	155	2993	3013	3108	3128	3258	6/6	6/6	
2-stage full free mast	M550	5500	1250	1550	1300	3345	3345	155	155	3055	3075	3170	3190	3320	3/6	3/6	
	M600	6000	1200	1500	1200	3595	3595	155	155	3087	3107	3202	3222	3352	3/6	3/6	
	ZM200	2000	1500	1800	2000	1495	1495	485	485	2830	2840	2935	2955	3085	6/8	6/8	
	ZM250	2500	1500	1800	2000	1745	1745	735	735	2852	2872	2967	2987	3117	6/8	6/8	
	ZM300	3000	1500	1800	2000	1995	1995	985	985	2886	2906	3001	3021	3151	6/8	6/8	
	ZM330	3300	1500	1800	2000	2145	2145	1135	1135	2908	2928	3023	3043	3173	6/8	6/8	
	ZM350	3500	1500	1800	2000	2245	2245	1235	1235	2923	2943	3038	3058	3188	6/8	6/8	
	ZM370	3700	1500	1800	2000	2345	2345	1335	1335	2935	2955	3050	3070	3200	6/6	6/6	
	ZM400	4000	1500	1800	2000	2545	2545	1535	1535	2983	3002	3098	3118	3248	6/6	6/6	
	ZM425	4250	1500	1800	—	2670	—	1660	—	3002	3022	3117	3137	—	6/6	—	
3 stage full free mast	ZM450	4500	1450	1750	—	2795	—	1785	—	3021	3041	3136	3156	—	6/6	—	
	ZM500	5000	1300	1600	—	3045	—	2035	—	3055	3075	3170	3190	—	6/6	—	
	ZM550	5500	1250	1550	—	3345	—	2335	—	3116	3136	3231	3251	—	6/6	—	
	ZM600	6000	1200	1500	—	3595	—	2585	—	3150	3170	3265	3285	—	6/6	—	
	ZSM360	3600	1500	1800	2000	1990	1990	785	785	2934	2954	3049	3069	3199	6/6	6/6	
	ZSM400	4000	1500	1800	2000	1925	1925	920	920	2958	2978	3073	3093	3223	6/6	6/6	
	ZSM435	4350	1500	1800	1750	2040	2040	1035	1035	2963	2983	3078	3098	3118	3248	6/6	6/6
	ZSM450	4500	1400	1700	1650	2090	2090	1085	1085	2984	3014	3109	3129	3259	6/6	6/6	
	ZSM470	4700	1400	1700	1650	2160	2160	1155	1155	3010	3030	3125	3145	3275	6/6	6/6	
	ZSM480	4800	1400	1700	1650	1650	2190	1185	1185	3017	3037	3132	3152	3282	6/6	6/6	
ZSM500	5000	1300	1600	1550	1500	2290	1280	1285	3038	3058	3153	3173	3303	6/6	6/6		
ZSM540	5400	1200	1500	1400	1300	2415	2415	1410	1410	3064	3084	3179	3199	3329	3/6	3/6	
ZSM600	6000	1100	1400	1300	900	2640	2640	1635	1635	3136	3156	3251	3271	3401	—	—	
ZSM650	6500	1100	1250	—	—	2840	—	1835	—	3174	3194	3289	3305	—	—	—	
ZSM700	7000	900	900	—	—	3025	—	2025	—	3212	3232	3327	3347	—	—	—	

3t/3.5t/3.8t Mast parameters

Mast type	Mast model	Max lifting height (mm)	Load capacity (load center: 500mm) (kg)			Height (mast lowered) (mm)			Free lift (with backrest) (mm)			Service weight (kg)								Mast tilt angle (°)
			3t	3.5t	3.8t	3t	3.5t	3.8t	3t	3.5t	3.8t	3t S	3t M	3t M (P)	3.5t S	3.5t M	3.5t M (P)	3.8t S	3.8t S	
2 stage standard Mast	M200	2000	3000	3500	3800	1570	1620	1680	155	160	160	4404	4454	4574	4474	4754	4874	5134	5134	6/10
	M250	2500	3000	3500	3800	1620	1670	1730	155	160	160	4452	4502	4622	4757	4807	4927	5107	5107	6/10
	M300	3000	3000	3500	3800	2070	2120	2180	155	160	160	4500	4550	4670	4810	4860	4980	5240	5240	6/10
	M330	3300	3000	3500	3800	2220	2270	2330	155	160	160	4529	4579	4699	4842	4892	5012	5272	5272	6/10
	M350	3500	3000	3500	3800	2320	2370	2430	155	160	160	4548	4598	4718	4863	4913	5033	5293	5293	6/10
	M370	3700	3000	3300	3800	2420	2470	2530	155	160	160	4567	4617	4737	4884	4934	5054	5314	5314	6/6
	M400	4000	2850	3150	3700	2620	2670	2730	155	160	160	4647	4697	4817	4968	5018	5138	5398	5398	6/6
	M425	4250	2850	3150	3800	2745	2795	2855	155	160	160	4671	4721	4841	4994	5044	5164	5424	5424	6/6
	M450	4500	2850	3150	3800	2870	2920	2980	155	160	160	4695	4745	4865	5021	5071	5191	5451	5451	6/6
	M500	5000	2850	3150	3800	3120	3170	3230	155	160	160	4743	4793	4913	5074	5124	5244	5504	5504	6/6
2 stage full free mast	M550	5500	2850	3150	3800	3420	3470	3530	155	160	160	4841	4891	5011	5178	5228	5348	5608	5608	6/6
	M600	6000	2850	3150	3800	3670	3720	3780	155	160	160	4889	4939	5059	5231	5281	5401	5661	5661	6/6
	ZM200	2000	3000	3500	3800	1570	1620	1680	340	443	503	4432	4482	4602	4728	4778	4898	5158	5158	6/10
	ZM250	2500	3000	3500	3800	1620	1670	1730	340	443	503	4482	4532	4652	4781	4831	4951	5211	5211	6/10
	ZM300	3000	3000	3500	3800	2070	2120	2180	840	943	1003	4532	4582	4702	4835	4885	5005	5265	5265	6/10
	ZM330	3300	3000	3500	3800	2220	2270	2330	990	1093	1153	4564	4614	4734	4868	4918	5038	5298	5298	6/10
	ZM350	3500	3000	3500	3800	2320	2370	2430	1090	1193	1253	4584	4634	4754	4889	4939	5059	5319	5319	6/10
	ZM370	3700	3000	3500	3800	2420	2470	2530	1190	1293	1353	4604	4654	4774	4910	4960	5080	5340	5340	6/6
	ZM400	4000	2850	3150	3700	2620	2670	2730	1390	1493	1553	4687	4737	4857	4990	5040	5160	5420	5420	6/6
	ZM425	4250	2850	3150	3800	2745	2795	2855	1515	1618	—	4708	4758	4878	5017	5067	5187	—	—	6/6
3 stage full free mast	ZM450	4500	2850	3150	3800	2870	2920	2980	1640	1743	—	4736	4786	4906	5046	5096	5216	—	—	6/6
	ZM500	5000	2850	3150	3800	3120	3170	3230	1890	1993	—	4790	4840	4960	5102	5152	5272	—	—	6/6
	ZM550	5500	2850	3150	3800	3420	3470	3530	2190	2293	—	4889	4939	5059	5205	5255	5375	—	—	6/6
	ZM600	6000	2850	3150	3800	3670	3720	3780	2440	2543	—	4942	4992	5112	5261	5311	5431	—	—	6/6
	ZSM360	3600	2850	3220	3800	1870	1870	1930	640	640	693	4603	4603	4723	4813	4921	4971	5091	5354	6/6
	ZSM400	4000	2750	3100	3700	2020	2020	2055	790	790	843	4684	4734	4854	4962	5012	5132	5395	5395	6/6
	ZSM435	4350	2850	3200	3800	2120	2120	2190	890	890	943	4713	4763	4883	4991	5041	5161	5424	5424	6/6
	ZSM450	4500	2850	3200	3800	2170	2170	2230	940	940	993	4728	4778	4898	5006	5056	5176	5439	5439	6/6
	ZSM470	4700	2850	3200	3800	2220	2220	2285	1000	1000	1053	4746	4796	4916	5024	5074	5194	5457	5457	6/6
	ZSM480	4800	2850	3200	3800	2270	2270	2330	1040	1040	1093	4756	4806	4926	5034	5084	5204	5467	5467	6/6
3 stage full free mast	ZSM500	5000	2850	3200	3800	2320	2320	2380	1100	1100	1153	4785	4835	4955	5063	5113	5233	5496	5496	6/6
	ZSM520	5200	2850	3200	3800	2370	2370	2430	1140	1140	1193	4795	4845	4965	5073	5123	5243	5506	5506	6/6
	ZSM540	5400	2850	3200	3800	2420	2420	2480	1200	1200	1253	4813	4863	4983	5091	5141	5261	5524	5524	6/6
	ZSM560	5600	2850	3200	3800	2470	2470	2530	1240	1240	1293	4831	4881	5001	5109	5159	5279	5542	5542	6/6
	ZSM580	5800	2850	3200	3800	2520	2520	2580	1280	1280	1333	4849	4899	5019	5127	5177	5297	5560	5560	6/6
	ZSM600	6000	2850	3200	3800	2570	2570	2630	1320	1320	1373	4867	4917	5037	5145	5195	5315	5578	5578	6/6
3 stage full free mast	ZSM650	6500	2850	3200	3800	2870	2870	—	1640	1640	—	4972	5022	5142	5250	5300	5420	—	—	6/6
	ZSM700	7000	2850	3200	3800	3045	3045	—	1815	1815	—	5022	5072	5192	5300	5350	5470	—	—	6/6

Note: *Indicates the rated load capacity of the front wheel with twin tyres. When the front wheels of 3.5t are twin tyres (pneumatic tyres) and twin tyres (solid tyres), the service weight is increased by 140kg and 208kg respectively according to the table data. When the front wheels of 3.8t are twin tyres (pneumatic tyres) and twin tyres (solid tyres), the service weight is increased by 160kg and 228kg respectively according to the table data.
 2-stage full free mast: 3t: When there is no backrest, the free lifting height increases by 477mm; 3.5t-3.8t: When there is no backrest, the free lifting height increases by 407mm.
 3-stage full free mast: 3t: When there is no backrest, the free lifting height increases by 477mm; 3.5t-3.8t: When there is no backrest, the free lifting height increases by 407mm.

Lithium Battery Advantages



- The truck selects mature and economical square iron phosphate lithium battery core and module used by large numbers of commercial vehicles;
- The module adopts aluminum alloy plate frame, which is firm, light in weight and has good heat dissipation effect;
- Fast charging: fast charging makes truck gapless operation possible, and it can be fully charged in up to one hour;
- High efficiency and safety: The charging and discharging efficiency is up to 98%, and temperature of thermal runaway is over 600 °C;
- Low temperature adaptability: Standard configuration of heating function ensures normal operation of low temperature environment;
- Long service life: Over 75% capacity reserved after 5 years or ten thousand hours;
- Maintenance free: the battery does not need manual maintenance and does not need to add distilled water electrolyte;
- Green and clean: no pollution and zero emission.

HELI smart fleet management system (optional)



Optional item

Model	S	M
Pneumatic tyre*	●	○
Solid tyre	○	●
Single tyre (front wheel)	●	○
Twin tyre (front wheel)**	○	●
Two piece valve	●	○
Three or four piece valve	○	●
Basic items		
Basic type: 3M lifting height mast	●	○
Other type and other height series***	○	●
Standard series fork	●	○
Non standard series forks and attachments	○	●
Standard exterior color (blue grey + Heli red)	●	○
Other exterior colors (customized)	○	○
Turning speed limit	○	○
Reversing armrest with horn switch	○	○
Overspeed 5km / h alarm	○	○
Overspeed 8km / h alarm	○	○
Overspeed 10km / h alarm	○	○
Travelling + lifting + tilting + attachment equipped with OPS function (without lowering)	○	○
Full set of OPS functions	○	○
Seat belt switch	○	○
Multi way valve overload	○	○
Safety items		
Dry powder fire extinguisher (0.5kg)	○	○
Dry powder fire extinguisher (2kg)	○	○
Carbon dioxide fire extinguisher (2kg)	○	○
Reversing buzzer	○	○
Reversing Chinese speaker	○	○
No universal key	○	○
With universal key	○	○
Electronic lifting upper buffer	○	○
Central wide-angle rearview mirror	○	○
Both side rear-view mirrors + center wide-angle rear-view mirror	○	○
Reversing radar (4 probes)	○	○
Reversing image (1 Camera + 4 radar probes)	○	○
Semi enclosed seat	○	○
Fully suspended seat	○	○
Instrument panel with 1 USB interface (5V / 1A)	○	○
Comfort items		
Steering wheel starts steering	○	○
Synchronous steering	○	○
Steering wheel with handle ball	○	○
Steering wheel without handle ball	○	○
Electric fan	○	○
panel mounted cab (including fan + wiper)	○	○
Heater	○	○
Cab / Windshield / Air conditioner / Heater		
Single cooling air conditioner	○	○
Single cooling air conditioner + heater	○	○
Front windshield (including wiper)	○	○
Rear windshield	○	○
Top windshield (excluding fan)	○	○
Non standard overhead guard		
50mm increased of overhead guard height	○	○
50mm reduced of overhead guard height	○	○
Overhead guard (with protective net)	○	○
Lights		
LED rear work light (1)	○	○
Rear LED red / Blue spotlight (1)	○	○
Rear and lateral red / blue bar lights	○	○
Fixed LED flashing warning light	○	○
Fixed LED rotary warning lamp	○	○
Fixed LED rotary buzzer warning light	○	○
Metric thread	○	○
Tilt cylinder jacket	○	○
Steering cylinder jacket	○	○
REMA 320 charging port	○	○
GB charging gun	○	○
Onboard charger	○	○
Others		
HELI FICS system	○	○

Note:

*●:Standard ; ○:Optional ;

Some non-standard options need to be customized. Please consult local sales personnel or product development technicians before purchasing.

**3.3.8t rear wheel is equipped with solid tyre as standard.

***The small 7t truck is not equipped with twin tyres.

***There are restrictions on the type and height of small 2t and 3.8t mast. See the table of mast parameters for details.