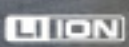


CPD15/18/20/25 /30/35/38

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

H4 SERIES



1.5-3.8 t 

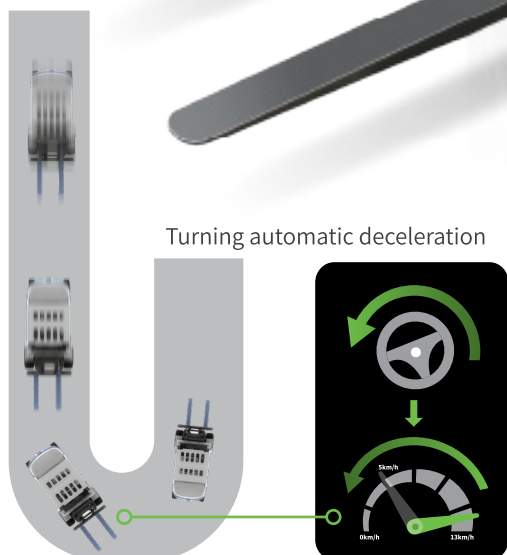
H4 series Lithium-ion Battery
Forklift Truck



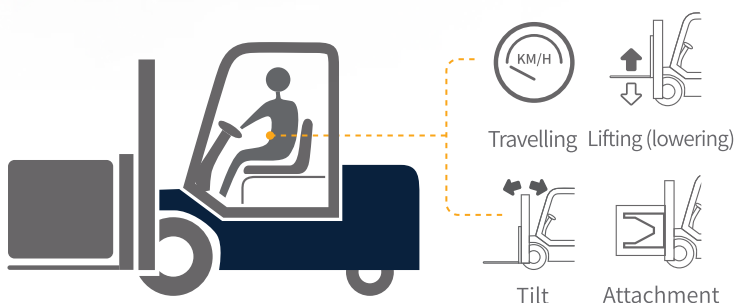
Intelligent security

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)**



Turning automatic deceleration



Driver Presence Sensing System

Unmanned self-locking intelligent protection



Convenient maintenance

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



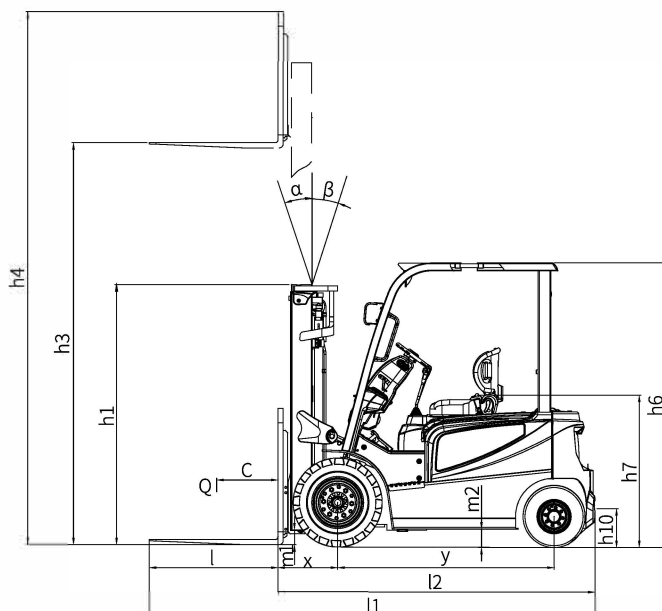
- Pump/pump motor is located on the upper left side of the body, and main electric components are located on the counterweight, which is convenient for maintenance
- Battery side pulling model can be chosen for more efficient replacement and maintenance.
- Flexible battery charging mode (can be charged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



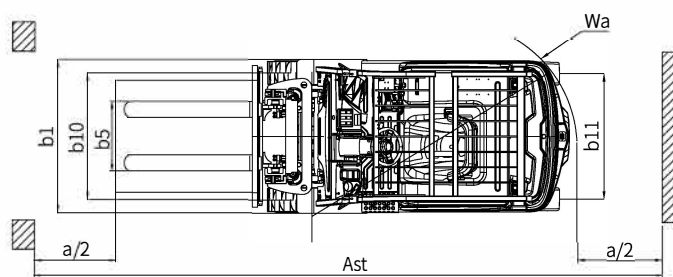


Manufacturer and Technical Data(Tabulation 1)

Characteristics											
1.01	Company brand			Tria							
1.02	Model			CPD15	CPD18	CPD15	CPD18	CPD15	CPD18	CPD20	
1.03	Configuration number			A3LiH4-M*		A3LiPH4-M*		A7LiH4-S		A7XLiH4-S	
1.04	Rated capacity	Q	kg	1500	1800	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						414	
1.09	Wheelbase	y	mm	1475							
Weight											
2.01	Total weight (with/without battery)		kg	2855/2680	2970/2795	2935/2780	3050/2875	2835/2670	2950/2785	3100/2925	
2.02	Axle load (laden,front/rear)		kg	3719/636	4203/567	3813/622	4232/618	3711/624	4196/555	4547/553	
2.03	Axle load (unladen, front/rear)		kg	1294/1561	1293/1677	1388/1547	1321/1729	1287/1548	1286/1664	1308/1792	
Tyres											
3.01	Tyre type			Pneumatic tyre							
3.02	Tyre size,front			6.50-10-10PR						6.50-10-12PR	
3.03	Tyre size,rear			16×6-8-10PR							
3.04	Wheels, number front/rear (x=driven wheels)			2/2							
3.05	Tread, front	b10	mm	934							
3.06	Tread, rear	b11	mm	920							
Dimensions											
4.01	Mast tilt angle (forward/backward)	α/β	°	6/8							
4.02	Height (mast lowered)	h1	mm	1995							
4.03	Free lifting height	h2	mm	155							
4.04	Lifting height (standard)	h3	mm	3000							
4.05	Max. height, extended (with backrest)	h4	mm	4014							
4.06	Height of overhead guard	h6	mm	2130							
4.07	Seat height relating to SIP (to ground)	h7	mm	1125							
4.08	Towing coupling height	h10	mm	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							
4.12	Fork carriage, according to ISO2328			2A							
4.13	Fork size:thickness x width x length	s/e/l	mm	35×100×920						40×100×920	
4.14	Fork adjustable range(external at the fork),Max./Min.	b5	mm	960/200							
4.15	Ground clearance (at mast)	m1	mm	100							
4.16	Ground clearance (center of wheelbase)	m2	mm	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							
Performance data											
5.01	Travel speed (laden/unladen)		km/h	14.5/15		14.5/15		12/13			
5.02	Lift speed (laden/unladen)		m/s	0.320/0.440	0.290/0.440	0.320/0.440	0.290/0.440	0.290/0.400	0.270/0.400	0.260/0.400	
5.03	Lowering speed (laden/unladen)		m/s	0.400/0.400							
5.04	Max.drawbar pull (laden)	N		10200/9700	10200/9800	10200/9700	10200/9800	10200/9700	10200/9800	11000/10700	
5.05	Max.gradeability (laden/unladen)	%		17/27	15/26	17/27	15/26	15/23	15/22	15/25	
5.06	Acceleration time(10 m)(laden/unladen)	s		5.5/5.2	5.6/5.3	5.5/5.2	5.6/5.3	6.0/5.7	6.1/5.8	5.6/5.2	
Battery											
6.01	Battery voltage/Capacity		V/Ah	80/150		80/150		80/125		80/150	
6.02	Battery weight		kg	175		175		165		175	
Motor and controller											
7.01	Driving motor powering (S2-60min)		kW	8							
7.02	Lifting motor powering (S3-15%)		kW	10.6							
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							



Ast: right angle stacking aisle width
a: clearance 200mm

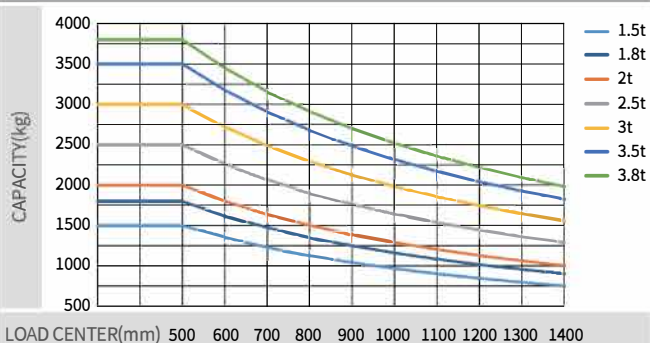




Manufacturer and Technical Data(Tabulation 2)

Characteristics								
1.01	Company brand		Tria					
1.02	Model		CPD20	CPD25	CPD20	CPD25	CPD20	CPD25
1.03	Configuration number		A3LiH4-M*		A3LiPH4-M*		A7LiH4-S	
1.04	Rated capacity	Q kg	2000	2500	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	3680/3490	4020/3830	3540/3375	3880/3715
2.02	Axle load (laden,front/rear)	kg	4970/615	5790/635	5030/650	5850/670	4940/600	5760/620
2.03	Axle load (unladen ,front/rear)	kg	1750/1835	1780/2145	1810/1870	1840/2180	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	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	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 x1200mm crossways	Ast mm	3753					
4.18	Right angle stacking aisle width for pallet 800 x1200mm 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		14.5/15		12/13	
5.02	Lift speed (laden/unladen)	m/s	0.320/0.440	0.290/0.440	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	13600/13000	14000/13300
5.05	Max.gradeability (laden/unladen)	%	17/26	15/25	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	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		80/202		80/150	
6.02	Battery weight	kg	200		200		175	
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											
1.01	Company brand			Tria							
1.02	Model			CPD30	CPD35	CPD30	CPD35	CPD30	CPD35	CPD38	
1.03	Configuration number			A3LiH4-M*		A3LiPH4-M*		A7LiH4-S		A7LiH4-S	
1.04	Rated capacity	Q	kg	3000	3500	3000	3500	3000	3500	3800	
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	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	4500/4285	4810/4595	5240/5000	
2.02	Axle load (laden,front/rear)		kg	6750/800	7630/730	6810/860	7690/790	6710/790	7590/720	8150/890	
2.03	Axle load (unladen, front/rear)		kg	2050/2500	2110/2750	2110/2560	2170/2810	2010/2490	2070/2740	2220/3020	
Tyres											
3.01	Tyre type			Pneumatic tyre(front tyre)/Solid tyre(rear tyre)							
3.02	Tyre size,front			28×9-15-14PR						28×12.5-15-24PR	
3.03	Tyre size,rear			18×7-8						200/50-10	
3.04	Wheels, number front/rear (x=driven wheels)			2/2							
3.05	Tread, front	b10	mm	1000						1080	
3.06	Tread, rear	b11	mm	970						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	2180	
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						2185	
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	3682	
4.10	Overall length (without fork)	l2	mm	2567	2572	2567	2572	2567	2572	2612	
4.11	Overall width	b1	mm	1260						1392	
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 ajustable range(external at the fork),Max./Min.	b5	mm	1060/250							
4.15	Ground clearance (at mast)	m1	mm	110						125	
4.16	Ground clearance (center of wheelbase)	m2	mm	135						140	
4.17	Right angle stacking aisle width for pallet 1000 x1200mm crossways	Ast	mm	3912	3917	3912	3917	3912	3917	3952	
4.18	Right angle stacking aisle width for pallet 800 x1200mm lengthways	Ast	mm	4115	4117	4115	4117	4115	4117	4152	
4.19	Min. outside turning radius	Wa	mm	2235						2270	
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	0.290/0.440	0.320/0.440	0.290/0.440	0.290/0.400	0.270/0.400	0.270/0.400	
5.03	Lowering speed (laden/unladen)		m/s	0.400/0.400							
5.04	Max.drawbar pull (laden)	N		16300/15800	17000/16600	16300/15800	17000/16600	16300/16000	16900/15900	16800/16200	
5.05	Max.gradeability (laden/unladen)	%		17/26	15/23	17/26	15/23	15/25	15/22	15/20	
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	6.3/5.4	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		215		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 (LISHEN)								ENEROC (CATL)										
Voltage/Capacity	80V/125Ah*	80V/150Ah*	80V/202Ah*	80V/250Ah*	80V/280Ah*	80V/404Ah*	80V/560Ah*	80V/125Ah	80V/150Ah*	80V/173Ah*	80V/202Ah	80V/228Ah*	80V/271Ah*	80V/302Ah*	80V/346Ah*	80V/404Ah	80V/456Ah*	80V/542Ah	80V/604Ah*
1.5-1.8t S	●	○	○	○	○	—	—	○	○	○	○	○	○	○	—	—	—	—	—
1.5-1.8t M	—	●	○	○	○	—	—	—	○	○	○	○	○	○	—	—	—	—	—
2t (X) S	—	●	○	○	○	—	—	—	○	○	○	○	○	○	○	○	○	—	—
2-2.5t S	—	●	○	○	○	○	—	—	○	○	○	○	○	○	○	○	○	—	—
2-2.5t M	—	—	●	○	○	○	—	—	—	—	○	○	○	○	○	○	○	—	—
3-3.5t S	—	—	●	○	○	○	○	—	—	—	○	○	○	○	○	○	○	○	○
3-3.5t M	—	—	—	●	○	○	○	—	—	—	—	—	○	○	○	○	○	○	○
3.8t S	—	—	—	●	○	○	○	—	—	—	—	—	○	○	○	○	○	○	○
Heating at low Temperature											●								

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

Charger

Model		D80V200ALI-123 / D80V200ALI-423	D80V100ALI-438
Applied battery type		48/80V lithium battery recommendation: capacity higher than 240Ah	48/80V lithium battery recommendation: capacity lower than 240Ah
Wiring type	KVA	Three-phase four-wiring type	
Power of charger	A	22	10
Air switch model of Upper level power	Vac	63	32
Input voltage range	A	380±15%	
Input current	A	<40	<20
Output current		0~200	5~100
Protection level	°C	For indoor use	
Working ambient temperature		-20~+45	
Plugs and sockets		Charger meeting national standard	REMA320
charging time		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*0.9/100+0.2~2.45h	

1.5t/1.8t/2t(E) Mast parameters																		
Mast type	Mast model	Max.lifting height (mm)	Load capacity (lode center 500mm)(kg)			Height (mm) (mast lowered)		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	2t (E)	1.5t-S	1.5t-M	1.5t-M(P)	1.8t-S	1.8t-M	1.8t-M(P)	2t(E)	1.5-1.8t	2t (E)
2-stage standard Mast	M200	2000	1500	1800	2000	1495	1495	155	155	2771	2791	2871	2886	2905	2985	3036	6/8	6/8
	M250	2500	1500	1800	2000	1745	1745	155	155	2803	2823	2903	2918	2938	3018	3058	6/8	6/8
	M300	3000	1500	1800	2000	1995	1995	155	155	2835	2855	2935	2950	2970	3050	3100	6/8	6/8
	M330	3300	1500	1800	2000	2145	2145	155	155	2854	2874	2954	2969	2989	3069	3119	6/8	6/8
	M350	3500	1500	1800	2000	2245	2245	155	155	2867	2887	2967	2982	3002	3082	3132	6/8	6/6
	M370	3700	1500	1800	2000	2345	2345	155	155	2880	2900	2980	2995	3015	3095	3145	6/6	6/6
	M400	4000	1500	1800	2000	2545	2545	155	155	2928	2948	3028	3043	3063	3143	3193	6/6	6/6
	M425	4250	1500	1800	1950	2670	2670	155	155	2945	2965	3045	3060	3080	3160	3210	6/6	6/6
	M450	4500	1450	1650	1750	2795	2795	155	155	2961	2981	3061	3076	3096	3176	3226	6/6	6/6
	M500	5000	1200	1400	1500	3045	3045	155	155	2993	3013	3093	3108	3128	3208	3258	6/6	6/6
	M550	5500	1000	1100	1300	3345	3345	155	155	3055	3075	3155	3170	3190	3270	3320	3/6	3/6
2-stage full free mast	M600	6000	800	900	900	3595	3595	155	155	3087	3107	3187	3202	3222	3302	3352	3/6	3/6
	ZM200	2000	1500	1800	2000	1495	1495	485	485	2820	2840	2920	2935	2955	3035	3085	6/8	6/8
	ZM250	2500	1500	1800	2000	1745	1745	735	735	2852	2872	2952	2967	2987	3067	3117	6/8	6/8
	ZM300	3000	1500	1800	2000	1995	1995	985	985	2886	2906	2986	3001	3021	3101	3151	6/8	6/8
	ZM330	3300	1500	1800	2000	2145	2145	1135	1135	2908	2928	3008	3023	3042	3122	3173	6/8	6/8
	ZM350	3500	1500	1800	2000	2245	2245	1235	1235	2923	2943	3023	3038	3058	3138	3188	6/8	6/8
	ZM370	3700	1500	1800	2000	2345	2345	1335	1335	2935	2955	3035	3050	3070	3150	3200	6/6	6/6
	ZM400	4000	1500	1800	2000	2545	2545	1535	1535	2983	3002	3082	3098	3118	3198	3248	6/6	6/6
	ZM425	4250	1500	1800	—	2670	—	1660	—	3002	3022	3102	3117	3137	3217	—	6/6	—
	ZM450	4500	1450	1650	—	2795	—	1785	—	3021	3041	3121	3136	3156	3236	—	6/6	—
	ZM500	5000	1200	1400	—	3045	—	2035	—	3055	3075	3155	3170	3190	3270	—	6/6	—
3-stage full free mast	ZM550	5500	1000	1100	—	3345	—	2335	—	3116	3136	3216	3231	3251	3331	—	3/6	—
	ZM600	6000	800	900	—	3595	—	2585	—	3150	3170	3250	3265	3285	3365	—	3/6	—
	ZSM360	3600	1500	1800	2000	1790	1790	785	785	2934	2954	3034	3049	3069	3149	3199	6/6	6/6
	ZSM400	4000	1500	1800	2000	1925	1925	920	920	2958	2978	3058	3073	3093	3173	3223	6/6	6/6
	ZSM435	4350	1450	1700	1850	2040	2040	1035	1035	2983	3003	3083	3098	3118	3198	3248	6/6	6/6
	ZSM450	4500	1450	1650	1750	2090	2090	1085	1085	2994	3014	3094	3109	3129	3209	3259	6/6	6/6
	ZSM470	4700	1400	1600	1650	2160	2160	1155	1155	3010	3030	3110	3125	3145	3225	3275	6/6	6/6
	ZSM480	4800	1350	1550	1650	2190	2190	1185	1185	3017	3037	3117	3132	3152	3232	3282	6/6	6/6
	ZSM500	5000	1200	1400	1500	2290	2290	1285	1285	3038	3058	3138	3153	3173	3253	3303	6/6	6/6
	ZSM540	5400	1000	1100	1300	2415	2415	1410	1410	3064	3084	3164	3179	3199	3279	3329	3/6	3/6
	ZSM600	6000	800	900	900	2640	2640	1635	1635	3136	3156	3236	3251	3271	3351	3401	3/6	3/6
3-stage full free mast	ZSM650	6500	1100	1250	—	2840	—	1835	—	3174	3194	3274	3289	3305	3385	—	3/3	—
	ZSM700	7000	900	950	—	3025	—	2025	—	3212	3232	3312	3327	3347	3427	—	3/3	—

Note: *Indicates the rated load capacity of the front wheel with twin tyres; 2t (E) indicates that the truck type is CPD20-A7XLH4-S; When the front wheels of 1.5-1.8t are twin tyres (pneumatic tyres) and twin tyres (solid tyres), the service weight is increased by 58kg and 104kg respectively according to the table data.
2-stage full free mast: 1.5-2t(E): When there is no backrest, the free lifting height increases by 379mm.
3-stage full free mast: 1.5-2t(E): When there is no backrest, the free lifting height increases by 484mm.

2t/2.5t Mast parameters													
Mast type	Mast model	Max.lifting height (mm)	Load capacity (lode center 500mm)(kg)		Height (mm) (mast lowered)	Free lift (mm) (with backrest)	Service weight (kg)					Mast tilt angle α/β (°)	
			2t	2.5t			2t-S	2t-M	2t-M (P)	2.5t-S	2.5t-M	2.5t-M (P)	2.5t
2-stage standard Mast	M200	2000	2000	2500	1500	150	3450	3495	3590	3790	3835	3930	6/10
	M250	2500	2000	2500	1750	150	3495	3540	3635	3835	3880	3975	6/10
	M300	3000	2000	2500	2000	150	3540	3585	3680	3880	3925	4020	6/10
	M330	3300	2000	2500	2150	150	3567	3612	3707	3907	3952	4047	6/10
	M350	3500	2000	2500	2250	150	3585	3630	3725	3925	3970	4065	6/10
	M370	3700	2000	2500	2350	150	3603	3648	3743	3943	3988	4083	6/6
	M400	4000	2000	2500	2550	150	3680	3725	3820	4020	4065	4160	6/6
	M425	4250	1950	2450	2675	150	3703	3748	3843	4043	4088	4183	6/6
	M450	4500	1900	2300	2800	150	3725	3770	3865	4065	4110	4205	6/6
	M500	5000	1800	2100	3050	150	3770	3815	3910	4110	4155	4250	6/6
	M550	5500	1450	1500	3350	150	3865	3910	4005	4205	4250	4345	3/6
2-stage full free mast	M600	6000	1700	1150	3600	150	3910	3955	4050	4250	4295	4390	3/6
	ZM200	2000	2000	2500	1500	496	3478	3523	3618	3818	3863	3958	6/10
	ZM250	2500	2000	2500	1750	746	3526	3571	3666	3866	3911	4006	6/10
	ZM300	3000	2000	2500	2000	996	3581	3626	3721	3921	3966	4061	6/10
	ZM330	3300	2000	2500	2150	1146	3611	3656	3751	3951	3996	4091	6/10
	ZM350	3500	2000	2500	2250	1246	3629	3674	3769	3969	4014	4109	6/10
	ZM370	3700	2000	2500	2350	1346	3649	3694	3789	3989	4034	4129	6/6
	ZM400	4000	2000	2500	2550	1546	3725	3770	3865	4065	4110	4205	6/6
	ZM425	4250	1950	2450	2675	1671	3749	3794	3889	4089	4134	4229	6/6
	ZM450	4500	1900	2300	2800	1796	3775	3820	3915	4115	4160	4255	6/6
	ZM500	5000	1850	2200	3050	2046	3826	3871	3966	4166	4211	4306	6/6
3-stage full free mast	ZM550	5500	1450	1500	3350	2346	3923	3968	4063	4263	4308	4403	3/6
	ZM600	6000	1700	1150	3600	2596	3973	4018	4113	4313	4358	4453	3/6
	ZSM360	3600	2000	2500	1800	796	3705	3750	3845	4045	4090	4185	6/6
	ZSM400	4000	2000	2500	1950	946	3746	3791	3886	4086	4131	4226	6/6
	ZSM435	4350	1900	2400	2050	1046	3772	3817	3912	4112	4157	4252	6/6
	ZSM450	4500	1850	2300	2100	1096	3785	3830	3925	4125	4170	4265	6/6
	ZSM470	4700	1800	2250	2165	1161	3804	3849	3944	4144	4189	4284	6/6
	ZSM480	4800	1750	2200	2210	1206	3817	3862	3957	4157	4202	4297	6/6
	ZSM500	5000	1700	2100	2300	1296	3840	3885	3980	4180	4225	4320	6/6
	ZSM540	5400	1450	1500	2400	1396	3872	3917	4012	4212	4257	4352	3/6
	ZSM600	6000	1000	1100	2600	1596	3975	4020	4115	4315	4360	4455	3/6
3-stage full free mast	ZSM650	6500	1150	1250	2800	1796	4031	4076	4171	4371	4416	4511	3/3
	ZSM700	7000	1150	1300	2975	1971	4081	4126	4221	4421	4466	4561	3/3

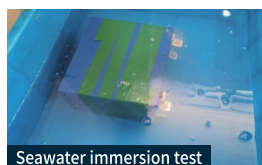
Note: *Indicates the rated load capacity of the front wheel with twin tyres; When the front wheels of 2-2.5t are twin tyres (pneumatic tyres) and twin tyres (solid tyres), the service weight is increased by 95kg and 155kg respectively according to the table data.
2-stage full free mast: 2-2.5t: When there is no backrest, the free lifting height increases by 376mm.
3-stage full free mast: 2-2.5t: When there is no backrest, the free lifting height increases by 356mm.



3t/3.5t/3.8t Mast parameters																				
Mast type	Mast model	Max.lifting height (mm)	Load capacity (lode center 500mm)(kg)			Height (mast lowered) (mm)			Free lift (with backrest) (mm)			Service weight (kg)							Mast tilt angle α/β(°)	
			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-β	
2-stage standard Mast	M200	2000	3000	3500	3800	1570	1620	1680	155	160	160	4404	4454	4574	4704	4754	4874	5134	6/10	
	M250	2500	3000	3500	3800	1820	1870	1930	155	160	160	4452	4502	4622	4757	4807	4927	5187	6/10	
	M300	3000	3000	3500	3800	2070	2120	2180	155	160	160	4500	4550	4670	4810	4860	4980	5240	6/10	
	M330	3300	3000	3500	3800	2220	2270	2330	155	160	160	4529	4579	4699	4842	4892	5012	5272	6/10	
	M350	3500	3000	3500	3800	2320	2370	2430	155	160	160	4548	4598	4718	4863	4913	5033	5293	6/10	
	M370	3700	3000	3300	3800	2420	2470	2530	155	160	160	4567	4617	4737	4884	4934	5054	5314	6/6	
	M400	4000	2850	3150	3700	2620	2670	2730	155	160	160	4647	4697	4817	4968	5018	5138	5398	6/6	
	M425	4250	2750 *2800	3050 *3150	3550 *3650	2745	2795	2855	155	160	160	4671	4721	4841	4994	5044	5164	5424	6/6 *6/10	
	M450	4500	2600 *2700	2900 *3000	3400 *3500	2870	2920	2980	155	160	160	4695	4745	4865	5021	5071	5191	5451	6/6 *6/10	
	M500	5000	2200 *2350	2450 *2500	3000 *3200	3120	3170	3230	155	160	160	4743	4793	4913	5074	5124	5244	5504	6/6 *6/10	
M550	5500	1950 *2150	2300 *2350	2700 *3000	3420	3470	3530	155	160	160	4841	4891	5011	5178	5228	5348	5608	3/6 *3/6		
M600	6000	1300 *1900	1450 *2100	2200 *2600	3670	3720	3780	155	160	160	4889	4939	5059	5231	5281	5401	5661	3/6 *3/6		
2-stage full free mast	ZM200	2000	3000	3500	3800	1570	1620	1680	340	443	503	4432	4482	4602	4728	4778	4898	5158	6/10	
	ZM250	2500	3000	3500	3800	1820	1870	1930	590	693	753	4482	4532	4652	4781	4831	4951	5211	6/10	
	ZM300	3000	3000	3500	3800	2070	2120	2180	840	943	1003	4532	4582	4702	4835	4885	5005	5265	6/10	
	ZM330	3300	3000	3500	3800	2220	2270	2330	990	1093	1153	4564	4614	4734	4868	4918	5038	5298	6/10	
	ZM350	3500	3000	3500	3800	2320	2370	2430	1090	1193	1253	4584	4634	4754	4889	4939	5059	5319	6/10	
	ZM370	3700	3000	3200	3800	2420	2470	2530	1190	1293	1353	4604	4654	4774	4910	4960	5080	5340	6/6	
	ZM400	4000	2850	3200	3700	2620	2670	2730	1390	1493	1553	4682	4732	4852	4990	5040	5160	5420	6/6	
	ZM425	4250	2650 *2700	3050 *3150	—	2745	2795	2855	1515	1618	—	4708	4758	4878	5017	5067	5187	—	6/6 *6/10	
	ZM450	4500	2500 *2600	2850 *3000	—	2870	2920	2980	1640	1743	—	4736	4786	4906	5046	5096	5216	—	6/6 *6/10	
	ZM500	5000	2100 *2600	2350 *2750	—	3120	3170	3230	1890	1993	—	4790	4840	4960	5102	5152	5272	—	6/6 *6/10	
	ZM550	5500	1950 *2400	2300 *2500	—	3420	3470	3530	2190	2293	—	4889	4939	5059	5205	5255	5375	—	3/6 *3/6	
	ZM600	6000	1300 *2000	1350 *2200	—	3670	3720	3780	2440	2543	—	4942	4992	5112	5261	5311	5431	—	3/6 *3/6	
	3 stage full free mast	ZSM360	3600	2850	3250	3800	1870	1870	1930	640	640	693	4643	4693	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	6/6	
ZSM435		4350	2550 *2600	2950 *3100	3500 *3600	2120	2120	2180	890	890	943	4713	4763	4883	4991	5041	5161	5424	6/6 *6/6	
ZSM450		4500	2450 *2600	2850 *3000	3400 *3600	2170	2170	2230	940	940	993	4728	4778	4898	5006	5056	5176	5439	6/6 *6/6	
ZSM470		4700	2400 *2550	2650 *2700	3100 *3200	2230	2230	2295	1000	1000	1053	4746	4796	4916	5024	5074	5194	5457	6/6 *6/6	
ZSM480		4800	2350 *2550	2650 *2600	3100 *3200	2270	2270	2330	1040	1040	1093	4756	4806	4926	5034	5084	5204	5467	6/6 *6/6	
ZSM500		5000	2100 *2550	2350 *2450	3000 *3150	2370	2370	2430	1140	1140	1193	4783	4833	4953	5061	5111	5231	5494	6/6 *6/6	
ZSM540		5400	1950 *2350	2200 *2400	2700 *3000	2470	2470	2555	1240	1240	1293	4813	4863	4983	5091	5141	5261	5524	3/6 *3/6	
ZSM600		6000	1250 *2200	1300 *2400	2200 *2600	2670	2670	2780	1440	1440	1493	4917	4967	5087	5103	5153	5273	5628	3/6 *3/6	
ZSM650		6500	950 *1900	1000 *2200	—	2870	2870	—	1640	1640	—	4972	5022	5142	5250	5300	5420	—	3/3 *3/3	
ZSM700		7000	*1800	*2000	—	3045	3045	—	1815	1815	—	5022	5072	5192	5300	5350	5470	—	3/3 *3/3	

Note: *Indicates the rated load capacity of the front wheel with twin tyres; When the front wheels of 3-3.5t 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 103kg and 251kg 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 427mm; 3.5-3.8t: When there is no backrest, the free lifting height increases by 407mm.

Lithium Battery Advantages



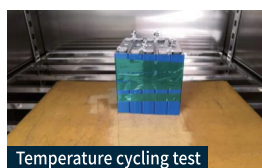
Seawater immersion test



Extrusion test



Heating test



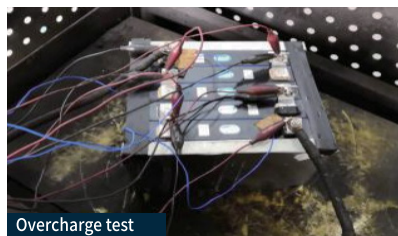
Temperature cycling test



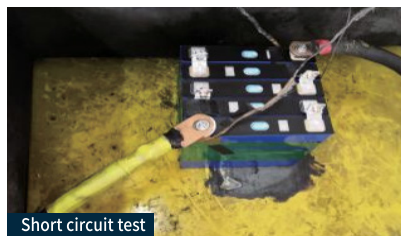
Temperature cycling test



Drop test



Overcharge test



Short circuit test

- 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)

Vehicle positioning	Statistical form
Remote diagnosis	Vehicle management
Remote monitoring	Identification recognition (optional)
Maintenance reminder	Weight management (optional)
Battery management	Collision management (optional)





Optional item			
Model		S	M
Basic items	Pneumatic tyre*	●	●
	Solid tyre	○	○
	All climate solid tyre	○	○
	Single tyre (front wheel)	●	●
	Twin tyre (front wheel)**	○	○
	Two piece valve	●	●
	Three or four piece valve	○	○
	Basic type: 3M lifting height mast	●	●
	Other type and other height seriesmast***	○	○
	Standard series fork	●	●
	Non standard series forks and attachments	○	○
	Standard exterior color (blue grey + Heli red)	●	●
	Other exterior colors (customized)	○	○
	Turning speed limit	○	○
Safety items	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	●	●
	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)	○	○
Comfort items	Semi enclosed seat	●	●
	Fully suspended seat	○	○
	Instrument panel with 1 USB interface (5V / 1A)	○	●
	Steering wheel starts steering	○	○
	Synchronous steering	○	○
	Steering wheel with handle ball	●	●
	Steering wheel without handle ball	○	○
	Electric fan	○	○
Cab / Windshield / Air conditioner / Heater	panel mounted cab (including fan + wiper)	○	○
	Heater	○	○
	Single cooling air conditioner	○	○
	Single cooling air conditioner + heater	○	○
	Air conditioner	○	○
	Front windshield (including wiper)	○	○
	Rear windshield	○	○
	Top windshield (excluding fan)	○	○
Non standard overhead guard	Top PC board	○	○
	50mm increased of overhead guard height	○	○
	50mm reduced of overhead guard height	○	○
	Overhead guard (with protective net)	○	○
Lights	LED rear work light	○	○
	Front LED red/blue spotlight	○	○
	Rear LED red / blue spotlight	○	○
	Rear and lateral red / blue bar lights	○	○
	Fixed LED flashing warning light	○	●
	Fixed LED rotary warning lamp	○	○
	Fixed LED rotary buzzer warning light	○	○
Others	Metric thread	●	●
	Tilt cylinder jacket	○	○
	Steering cylinder jacket	○	○
	REMA 320 charging port	●	●
	GB charging gun	○	○
	Onboard charger	○	○
	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 2t 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.