ANHUI HELI CO., LTD.

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MİLİON GLOBAL TEKNOLOJİ SANAYİ VE TİCARET A.Ş.

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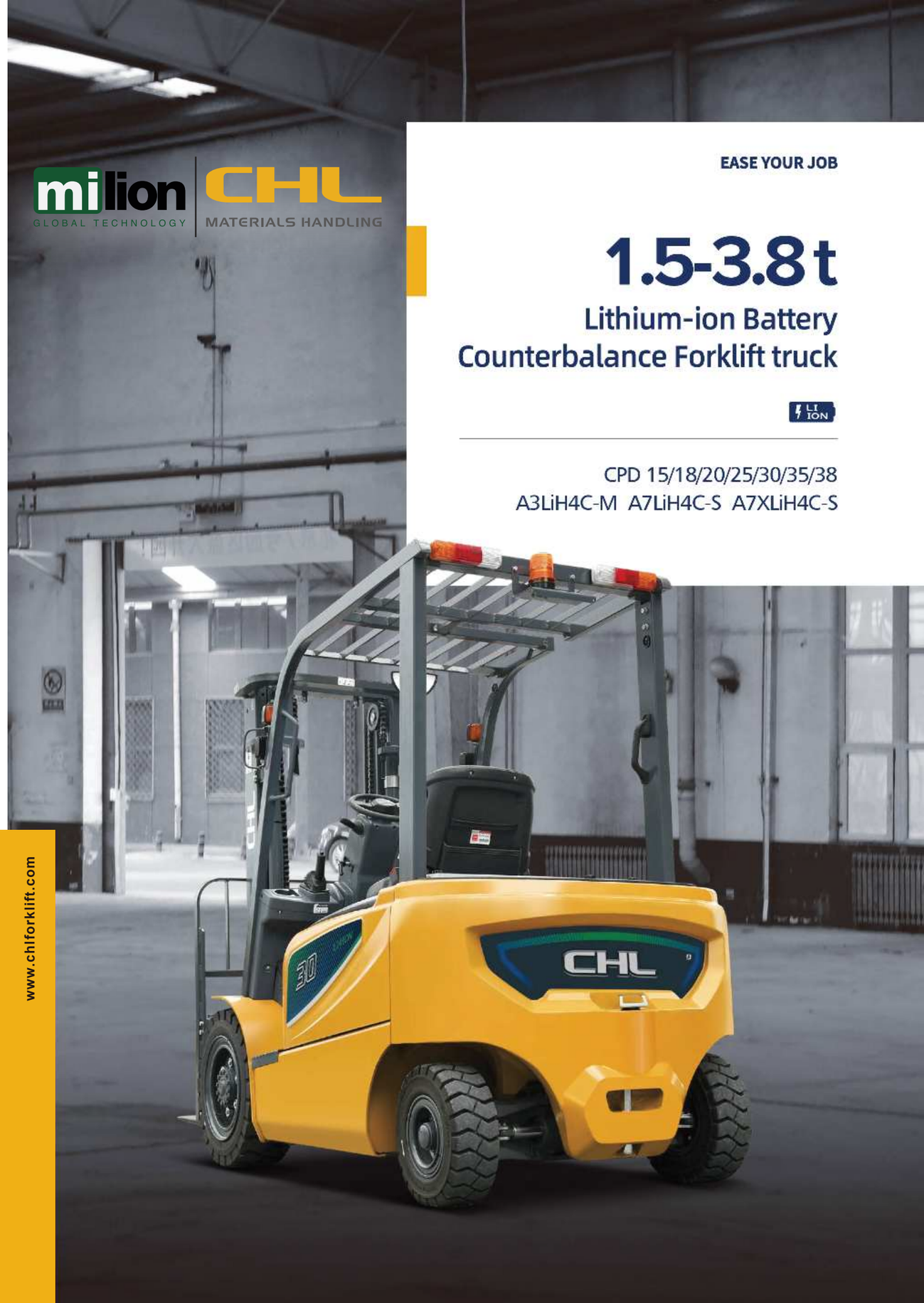
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EASE YOUR JOB

1.5-3.8 t

Lithium-ion Battery Counterbalance Forklift truck

LI ION

CPD 15/18/20/25/30/35/38
A3LiH4C-M A7LiH4C-S A7XLiH4C-S



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

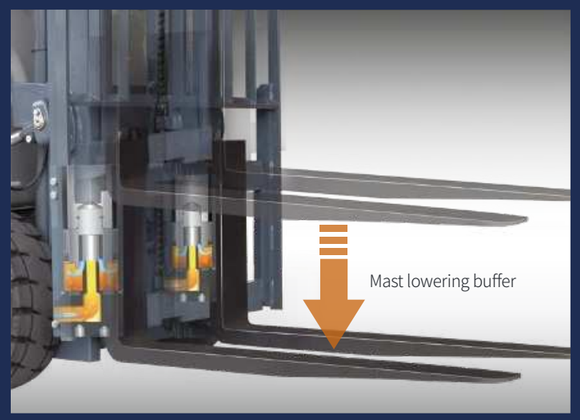
Reversing horn handle (s optional, M standard)

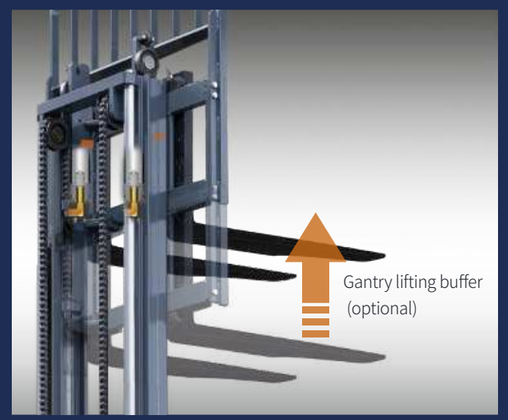


Semi enclosed shock-absorbing seat offers high comfort.



Electric special pattern tyre has low driving resistance.





Right set operating valve stem offers good operation comfort.

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



Graphical interface design /
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.



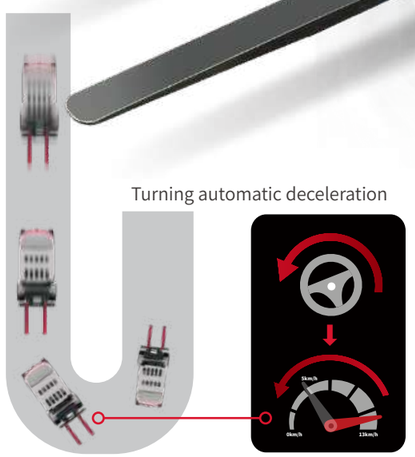
Reliability endurance test
800 hour strengthening of the whole truck (including climbing, rain, bumpy road, etc.).

Intelligent security

Intelligent control and protection improve the safety of drivers.

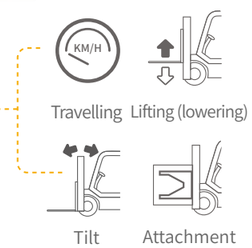
- Dual core controller
- OPS protection
  (standard driving OPS / optional hydraulic OPS)
- Hydraulic burst protection, forward tilting self-locking protection
- Electrical multiple protection
  (short circuit protection, overheat protection, low power protection, sequence protection)
- Parking safety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





Turning automatic deceleration





Driver Presence Sensing System — **Unmanned self-locking intelligent protection**

- Flexible battery charging mode (can be charged with the truck or replaced)
- Pump, pump motor, controller and other main electrical components are located on the counterweight, which is convenient for maintenance.
- Friendly interface



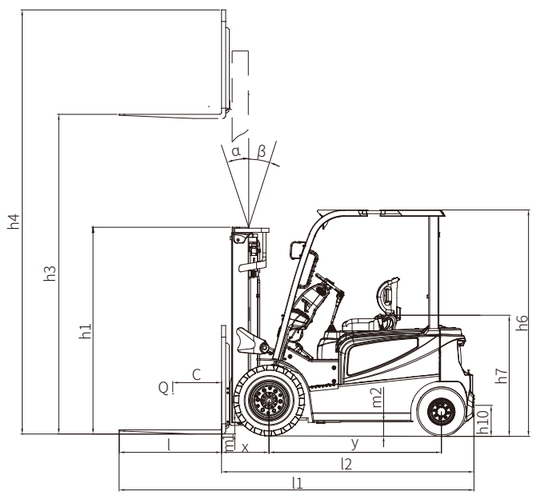


Convenient maintenance

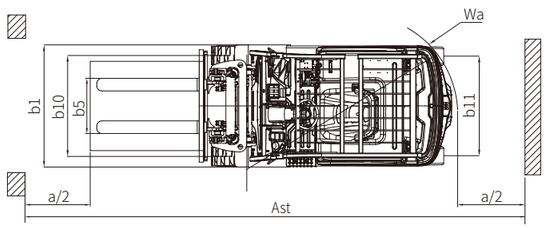
More convenient maintenance operation improves the maintenance efficiency of after-sale services.

Manufacturer and Technical Data(Table 1)

	Characteristics							
1.01	Manufacturer			ANHUI HELI CO., LTD.				
1.02	Model			CPD15	CPD18	CPD15	CPD18	CPD20
1.03	Configuration number			A3LiH4C-M		A7LiH4C-S		A7XLiH4C-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		6.50-10-12PR
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		3120		3125
4.10	Overall length (without fork)	l2	mm	2200		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		40×100×920
4.14	Fork ajustable 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		3575		3580
4.18	Right angle stacking aisle width for pallet 800 x1200mm lengthways	Ast	mm	3770		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	0.290/0.440	0.290/0.400	0.270/0.400	0.260/0.400
5.03	Lowering speed (laden/unladen)		m/s	0.400/0.400		0.400/0.400		
5.04	Max.drawbar pull (laden)		N	10200/9700	10200/9800	10200/9700	10200/9800	11000/10700
5.05	Max.gradeability (laden/unladen)		%	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	6.0/5.7	6.1/5.8	5.6/5.2
	Battery							
6.01	Battery voltage/Capacity		V/Ah	80/150		80/125		80/150
6.02	Battery weight		kg	180		163		180
	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				
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				



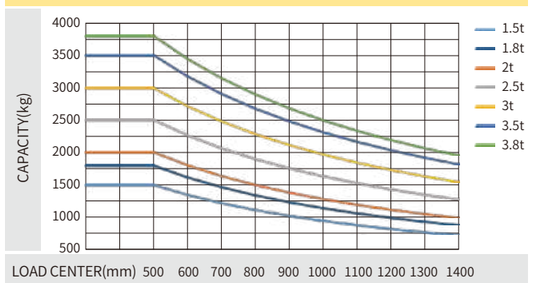
Ast: right angle stacking aisle width
a: clearance 200mm



Manufacturer and Technical Data(Table 2)

	Characteristics									
1.01	Manufacturer			ANHUI HELI CO., LTD.						
1.02	Model			CPD20	CPD25	CPD20	CPD25	CPD30	CPD35	CPD38
1.03	Configuration number			A3LiH4C-M		A7LiH4C-S		A3LiH4C-M		A7LiH4C-S
1.04	Rated capacity	Q	kg	2000	2500	2000	2500	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	460				477	482	482
1.09	Wheelbase	y	mm	1660				1750		1780
	Weight									
2.01	Total weight (with/without battery)		kg	3585/3395	3925/3735	3540/3375	3880/3715	4550/4310	4860/4620	5240/5000
2.02	Axle load (laden,front/rear)		kg	4970/615	5790/635	4940/600	5760/620	6750/800	7630/730	8150/890
2.03	Axle load (unladen , front/rear)		kg	1750/1835	1780/2145	1720/1820	1750/2130	2050/2500	2110/2750	2220/3020
	Tyres									
3.01	Tyre type			Pneumatic tyre				Front Pneumatic tyre/Rear Solid tyre		
3.02	Tyre size,front			7.00-12-14PR				28×9-15-14PR		28×12.5-15-24PR
3.03	Tyre size,rear			18×7-8-14PR				18×7-8		200/50-10
3.04	Wheels, number front/rear (x=driven wheels)			2/2				2/2		
3.05	Tread, front	b10	mm	970				1000		1080
3.06	Tread, rear	b11	mm	960				970		970
	Dimensions									
4.01	Mast tilt angle (forward/backward)	α/β	°	6/10				6/10		
4.02	Height (mast lowered)	h1	mm	2000				2070	2120	2180
4.03	Free lifting height	h2	mm	165				155		160
4.04	Lifting height (standard)	h3	mm	3000				3000		
4.05	Max. height, extended (with backrest)	h4	mm	4020				4217		
4.06	Height of overhead guard	h6	mm	2170				2180		2185
4.07	Seat height relating to SIP (to ground)	h7	mm	1154				1164		
4.08	Towing coupling height	h10	mm	300				310		
4.09	Overall length (with fork)	l1	mm	3354	3504	3354	3504	3637	3642	3637	3642	3682
4.10	Overall length (without fork)	l2	mm	2434				2567	2572	2567	2572	2612
4.11	Overall width	b1	mm	1180				1260		1392
4.12	Fork carriage , according to ISO2328			2A				3A		
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	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	1030/250				1060/250		
4.15	Ground clearance (at mast)	m1	mm	100				110		125
4.16	Ground clearance (center of wheelbase)	m2	mm	125				135		140
4.17	Right angle stacking aisle width for pallet 1000 x1200mm crossways	Ast	mm	3753				3912	3917	3912	3917	3952
4.18	Right angle stacking aisle width for pallet 800 x1200mm lengthways	Ast	mm	3953				4115	4117	4115	4117	4152
4.19	Min. outside turning radius	Wa	mm	2140				2235		2270
	Performance data									
5.01	Travel speed (laden/unladen)		km/h	14.5/15		12/13		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	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	0.360/0.460				0.400/0.400			
5.04	Max.drawbar pull (laden)		N	13600/13000	14000/13300	13600/13000	14000/13300	16300/15800	17000/16600	16300/16000	16900/15900	16800/16200
5.05	Max.gradeability (laden/unladen)		%	17/26	15/25	15/25	15/25	17/26	15/23	15/25	15/22	15/20
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	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	80/202		80/150		80/250		80/202		80/250
6.02	Battery weight		kg	190		165		240		210		240
	Motor and controller									
7.01	Driving motor powering (S2-60min)		kW	11				15		
7.02	Lifting motor powering (S3-15%)		kW	12				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						

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.

Lithium battery

Battery brand	HELI							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	℃	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	

Lithium Battery Advantages


Seawater immersion test

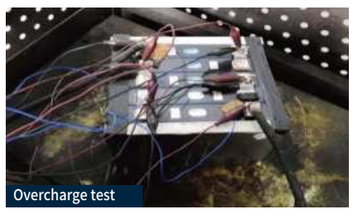

Extrusion test


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 ℃;
- 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.

Smart fleet management system

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



1.5t/1.8t/2t(E) 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 (°)	
			1.5t	1.8t	2t (E)	1.5-1.8t	2t (E)	1.5-1.8t	2t (E)	1.5t-S	1.5t-M	1.8t-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	2928	2948	3043	3063	3193	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	1650 *1750	1750	2795	2795	155	155	2961	2981	3076	3096	3226	6/6 *6/8	6/6
	M500	5000	1200 *1300	1400 *1600	1500	3045	3045	155	155	2993	3013	3108	3128	3258	6/6 *6/6	6/6
	M550	5500	1000 *1250	1100 *1550	1300	3345	3345	155	155	3055	3075	3170	3190	3320	3/6 *3/6	3/6
	M600	6000	800 *1200	900 *1450	900	3595	3595	155	155	3087	3107	3202	3222	3352	3/6 *3/6	3/6
2-stage full free mast	ZM200	2000	1500	1800	2000	1495	1495	485	485	2820	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	3042	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	—
	ZM450	4500	1450	1550 *1750	—	2795	—	1785	—	3021	3041	3136	3156	—	6/6 *6/8	—
	ZM500	5000	1200 *1300	1400 *1600	—	3045	—	2035	—	3055	3075	3170	3190	—	6/6 *6/6	—
	ZM550	5500	1000 *1250	1100 *1550	—	3345	—	2335	—	3116	3136	3231	3251	—	3/6 *3/6	—
	ZM600	6000	800 *1200	900 *1450	—	3595	—	2585	—	3150	3170	3265	3285	—	3/6 *3/6	—
3 stage full free mast	ZSM360	3600	1500	1800	2000	1790	1790	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	1450 *1500	1700 *1800	1850	2040	2040	1035	1035	2983	3003	3098	3118	3248	6/6 *6/6	6/6
	ZSM450	4500	1450 *1500	1650 *1750	1750	2090	2090	1085	1085	2994	3014	3109	3129	3259	6/6 *6/6	6/6
	ZSM470	4700	1400 *1450	1600 *1650	1650	2160	2160	1155	1155	3010	3030	3125	3145	3275	6/6 *6/6	6/6
	ZSM480	4800	1350 *1400	1550 *1650	1650	2190	2190	1185	1185	3017	3037	3132	3152	3282	6/6 *6/6	6/6
	ZSM500	5000	1200 *1300	1400 *1600	1500	2290	2290	1285	1285	3038	3058	3153	3173	3303	6/6 *6/6	6/6
	ZSM540	5400	1000 *1250	1100 *1550	1300	2415	2415	1410	1410	3064	3084	3179	3199	3329	3/6 *3/6	3/6
	ZSM600	6000	800 *1200	900 *1450	900	2640	2640	1635	1635	3136	3156	3251	3271	3401	3/6 *3/6	3/6
	ZSM650	6500	*1100	*1250	—	2840	—	1835	—	3174	3194	3289	3305	—	3/3 *3/3	—
	ZSM700	7000	*900	*950	—	3025	—	2025	—	3212	3232	3327	3347	—	3/3 *3/3	—

Note: *Indicates the rated load capacity of the front wheel with twin tyres; 2t (E) indicates that the truck type is CPD20-A7XLIH4C-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	2-2.5t	2-2.5t	2t-S	2t-M	2.5t-S	2.5t-M	2-2.5t
2-stage standard Mast	M200	2000	2000	2500	1500	150	3450	3495	3790	3835	6/10
	M250	2500	2000	2500	1750	150	3495	3540	3835	3880	6/10
	M300	3000	2000	2500	2000	150	3540	3585	3880	3925	6/10
	M330	3300	2000	2500	2150	150	3567	3612	3907	3952	6/10
	M350	3500	2000	2500	2250	150	3585	3630	3925	3970	6/10
	M370	3700	2000	2500	2350	150	3603	3648	3943	3988	6/6
	M400	4000	2000	2500	2550	150	3680	3725	4020	4065	6/6
	M425	4250	1950 *2000	2450 *2500	2675	150	3703	3748	4043	4088	6/6 *6/10
	M450	4500	1900 *1950	2300 *2400	2800	150	3725	3770	4065	4110	6/6 *6/10
	M500	5000	1800 *1850	2100 *2200	3050	150	3770	3815	4110	4155	6/6 *6/6
	M550	5500	1450 *1700	1500 *2150	3350	150	3865	3910	4205	4250	3/6 *3/6
	M600	6000	1050 *1600	1150 *1800	3600	150	3910	3955	4250	4295	3/6 *3/6
2-stage full free mast	ZM200	2000	2000	2500	1500	496	3478	3523	3818	3863	6/10
	ZM250	2500	2000	2500	1750	746	3526	3571	3866	3911	6/10
	ZM300	3000	2000	2500	2000	996	3581	3626	3921	3966	6/10
	ZM330	3300	2000	2500	2150	1146	3611	3656	3951	3996	6/10
	ZM350	3500	2000	2500	2250	1246	3629	3674	3969	4014	6/10
	ZM370	3700	2000	2500	2350	1346	3649	3694	3989	4034	6/6
	ZM400	4000	2000	2500	2550	1546	3725	3770	4065	4110	6/6
	ZM425	4250	1950 *2000	2450 *2500	2675	1671	3749	3794	4089	4134	6/6 *6/10
	ZM450	4500	1900 *1950	2300 *2400	2800	1796	3775	3820	4115	4160	6/6 *6/10
	ZM500	5000	1800 *1850	2100 *2200	3050	2046	3826	3871	4166	4211	6/6 *6/6
	ZM550	5500	1450 *1700	1500 *2150	3350	2346	3923	3968	4263	4308	3/6 *3/6
	ZM600	6000	1050 *1600	1150 *1800	3600	2596	3973	4018	4313	4358	3/6 *3/6
3-stage full free mast	ZSM360	3600	2000	2500	1800	796	3705	3750	4045	4090	6/6
	ZSM400	4000	2000	2500	1950	946	3746	3791	4086	4131	6/6
	ZSM435	4350	1900 *2000	2400 *2500	2050	1046	3772	3817	4112	4157	6/6 *6/6
	ZSM450	4500	1850 *1900	2300 *2350	2100	1096	3785	3830	4125	4170	6/6 *6/6
	ZSM470	4700	1800 *1850	2200 *2250	2165	1161	3804	3849	4144	4189	6/6 *6/6
	ZSM480	4800	1800 *1850	2200 *2250	2210	1206	3817	3862	4157	4202	6/6 *6/6
	ZSM500	5000	1700 *1800	2100 *2200	2300	1296	3840	3885	4180	4225	6/6 *6/6
	ZSM540	5400	1450 *1700	1500 *2150	2400	1396	3872	3917	4212	4257	3/6 *3/6
	ZSM600	6000	1000 *1600	1100 *1800	2600	1596	3975	4020	4315	4360	3/6 *3/6
	ZSM650	6500	*1450	*1650	2800	1796	4031	4076	4371	4416	3/3 *3/3
	ZSM700	7000	*1150	*1300	2975	1971	4081	4126	4421	4466	3/3 *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	3.5t-S	3.5t-M	3.8t-S	3-3.8t
2-stage standard Mast	M200	2000	3000	3500	3800	1570	1620	1680	155	160	160	4404	4454	4704	4754	5134	6/10
	M250	2500	3000	3500	3800	1820	1870	1930	155	160	160	4452	4502	4757	4807	5187	6/10
	M300	3000	3000	3500	3800	2070	2120	2180	155	160	160	4500	4550	4810	4860	5240	6/10
	M330	3300	3000	3500	3800	2220	2270	2330	155	160	160	4529	4579	4842	4892	5272	6/10
	M350	3500	3000	3500	3800	2320	2370	2430	155	160	160	4548	4598	4863	4913	5293	6/10
	M370	3700	3000	3300	3800	2420	2470	2530	155	160	160	4567	4617	4884	4934	5314	6/6
	M400	4000	2850	3150	3700	2620	2670	2730	155	160	160	4647	4697	4968	5018	5398	6/6
	M425	4250	2750 *2800	3050 *3150	3550 *3650	2745	2795	2855	155	160	160	4671	4721	4994	5044	5424	6/6 *6/10
	M450	4500	2600 *2700	2800 *3000	3400 *3600	2870	2920	2980	155	160	160	4695	4745	5021	5071	5451	6/6 *6/10
	M500	5000	2200 *2350	2450 *2500	3000 *3200	3120	3170	3230	155	160	160	4743	4793	5074	5124	5504	6/6 *6/6
	M550	5500	1950 *2150	2300 *2350	2700 *3000	3420	3470	3530	155	160	160	4841	4891	5178	5228	5608	3/6 *3/6
	M600	6000	1300 *1900	1450 *2100	2200 *2600	3670	3720	3780	155	160	160	4889	4939	5231	5281	5661	3/6 *3/6
2-stage full free mast	ZM200	2000	3000	3500	3800	1570	1620	1680	340	443	503	4432	4482	4728	4778	5158	6/10
	ZM250	2500	3000	3500	3800	1820	1870	1930	590	693	753	4482	4532	4781	4831	5211	6/10
	ZM300	3000	3000	3500	3800	2070	2120	2180	840	943	1003	4532	4582	4835	4885	5265	6/10
	ZM330	3300	3000	3500	3800	2220	2270	2330	990	1093	1153	4564	4614	4868	4918	5298	6/10
	ZM350	3500	3000	3500	3800	2320	2370	2430	1090	1193	1253	4584	4634	4889	4939	5319	6/10
	ZM370	3700	3000	3200	3800	2420	2470	2530	1190	1293	1353	4604	4654	4910	4960	5340	6/6
	ZM400	4000	2850	3200	3700	2620	2670	2730	1390	1493	1553	4682	4732	4990	5040	5420	6/6
	ZM425	4250	2650 *2700	3050 *3150	—	2745	2795	2855	1515	1618	—	4708	4758	5017	5067	—	6/6 *6/10
	ZM450	4500	2500 2600	2850 *3050	—	2870	2920	2980	1640	1743	—	4736	4786	5046	5096	—	6/6 *6/10
	ZM500	5000	2100 *2600	2350 *2750	—	3120	3170	3230	1890	1993	—	4790	4840	5102	5152	—	6/6 *6/6
	ZM550	5500	1950 *2400	2200 *2550	—	3420	3470	3530	2190	2293	—	4889	4939	5205	5255	—	3/6 *3/6
	ZM600	6000	1300 *2000	1350 *2200	—	3670	3720	3780	2440	2543	—	4942	4992	5261	5311	—	3/6 *3/6
3 stage full free mast	ZSM360	3600	2850	3250	3800	1870	1870	1930	640	640	693	4643	4693	4921	4971	5354	6/6
	ZSM400	4000	2750	3100	3700	2020	2020	2055	790	790	843	4684	4734	4962	5012	5395	6/6
	ZSM435	4350	2550 *2600	2950 *3100	3500 *3600	2120	2120	2180	890	890	943	4713	4763	4991	5041	5424	6/6 *6/6
	ZSM450	4500	2450 *2600	2850 *3000	3400 *3600	2170	2170	2230	940	940	993	4728	4778	5006	5056	5439	6/6 *6/6
	ZSM470	4700	2400 *2550	2650 *2700	3100 *3200	2230	2230	2295	1000	1000	1053	4746	4796	5024	5074	5457	6/6 *6/6
	ZSM480	4800	2350 *2550	2520 *2600	3100 *3200	2270	2270	2330	1040	1040	1093	4756	4806	5034	5084	5467	6/6 *6/6
	ZSM500	5000	2100 *2550	2350 *2450	3000 *3150	2370	2370	2430	1140	1140	1193	4783	4833	5061	5111	5494	6/6 *6/6
	ZSM540	5400	1950 *2350	2200 *2400	2700 *3000	2470	2470	2555	1240	1240	1293	4813	4863	5091	5141	5524	3/6 *3/6
	ZSM600	6000	1250 *2200	1300 *2400	2200 *2600	2670	2670	2780	1440	1440	1493	4917	4967	5103	5153	5628	3/6 *3/6
	ZSM650	6500	950 *1900	1000 *2200	—	2870	2870	—	1640	1640	—	4972	5022	5250	5300	—	3/3 *3/3
	ZSM700	7000	*1800	*2000	—	3045	3045	—	1815	1815	—	5022	5072	5300	5350	—	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.

Optional item

	Model	S	M
Basic items	Pneumatic tyre*	●	●
	Solid yre	○	○
	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)	○	○
Safety items	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	●	●
	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	○	○
	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	○	○
	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	●	●
	Onboard charger	○	○
	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.