

Configurations		
For safety	Steering speed limit	●
	Reverse handle with horn	●
	OPS	●
	Safety protecting function of multiway valve overload	●
	Reverse buzzer	●
	Upper buffering	●
	Central wide-angle rearview mirror	●
	Rearview mirrors on two sides	○
	Front protective net	○
	Seat with safety belt	○
	Dry powder fire extinguisher (0.5kg)	○
	Dry powder fire extinguisher (2kg)	○
	Reverse Chinese voice speaker	○
	Reversing parking sensor (4 probes)	○
Reversing image(1 camera+ 4 probes)	○	
For driving comfort	Semi-enclosed seat	●
	USB (5V/1A)	●
	Steering with steering wheel start	●
	Mechanical operation valve	●
	Colorful instrument	●
	Full suspension seat	○
	Electromagnetic operated valve	○
	Fan	○
	Heater	○
	For cab/windshield	Panel mounted cab
Front windshield		○
Rear windshield		○
Top windshield		○
For lighting	LED lights	●
	LED flickering warning lights	●
	LED rear working light	○
	Front LED red/blue spotlight	○
	Rear LED red/blue spotlight	○
	Red/blue strip lights on rear and bilateral sides	○
	LED rotating warning light	○
LED rotating and beep warning light	○	
Others	Metric thread	●
	Solid tyre	●
	Solid tyre without travelling marking	○
	Sleeve for tilting cylinder	○
FCIS	●	

Note: "●" standard; "○" optional;

CPD13/15/16/ 18/20SQ

A2Li(P)G3-M/A6LiG3-S



LI ION **2600-4000 lbs**
G3 series front wheel dual drive
lithium battery truck (three wheel)


* Details of specifications and equipment are based on information available at time of printing and may change without notice.


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POWERFUL AND FLEXIBLE

 Comfort and energy saving

 Stable and Reliable

 Intelligent security

 Convenient maintenance

APPEARANCE

The appearance is grand and the colors are beautiful; The performance is excellent.

COMFORTABLE AND ENERGY-SAVING

The truck provides users with the best comfortable driving experience. The truck adopts advanced energy-saving technologies for a greener and more environmentally friendly environment

G3 series family design elements

Sheet metal stamping type side cover, side door

Wide view mast
Optimized mast improves lateral stability.

Mobile phone and water cup holder offer convenient storage.

Optimized mast improves lateral stability.

The steering wheel is sensitive, lightweight, precise, and power-saving when starting and turning.

The steering wheel is optimized with height reduction
And structure improving;
Adjustable angle; Comfortable operation

Color screen instrument

PES third gear adjustment

P	Powerful	} Multi performance modes satisfy the needs of various working conditions.
E	Economical	
S	Energy-saving	

FRONT WHEEL DUAL DRIVE MOTORS PROVIDE MORE POWER

Strong performance:
The truck is equipped with ZF dual motor drive unit.

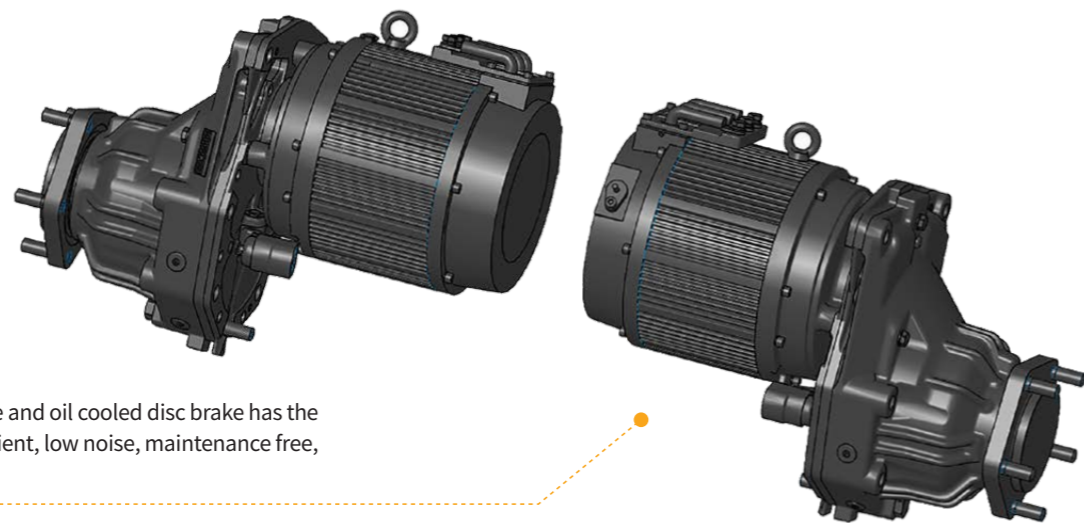
The truck has small turning radius and good passability.

The minimum turning radius is as low as 60in

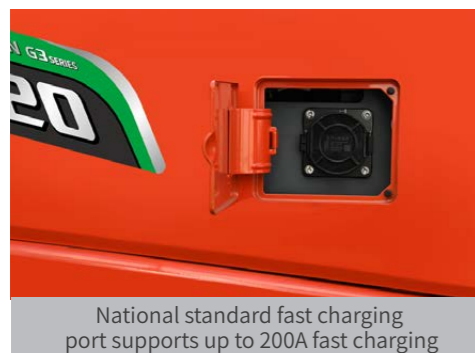
	16km/h Driving speed
	20% Maximum gradeability with load
	Good bearing capacity at high position
	0.45m/s Maximum lifting speed with load
	0.6m/s Maximum lifting speed without load

TABLE AND RELIABLE

The product is designed with the concept of stability and reliability, and has undergone multiple rigorous tests and verifications.



Wet type service brake and oil cooled disc brake has the characteristics of efficient, low noise, maintenance free, and reliable.



National standard fast charging port supports up to 200A fast charging



The entire truck and its components meet the latest CE & UKCA requirements.

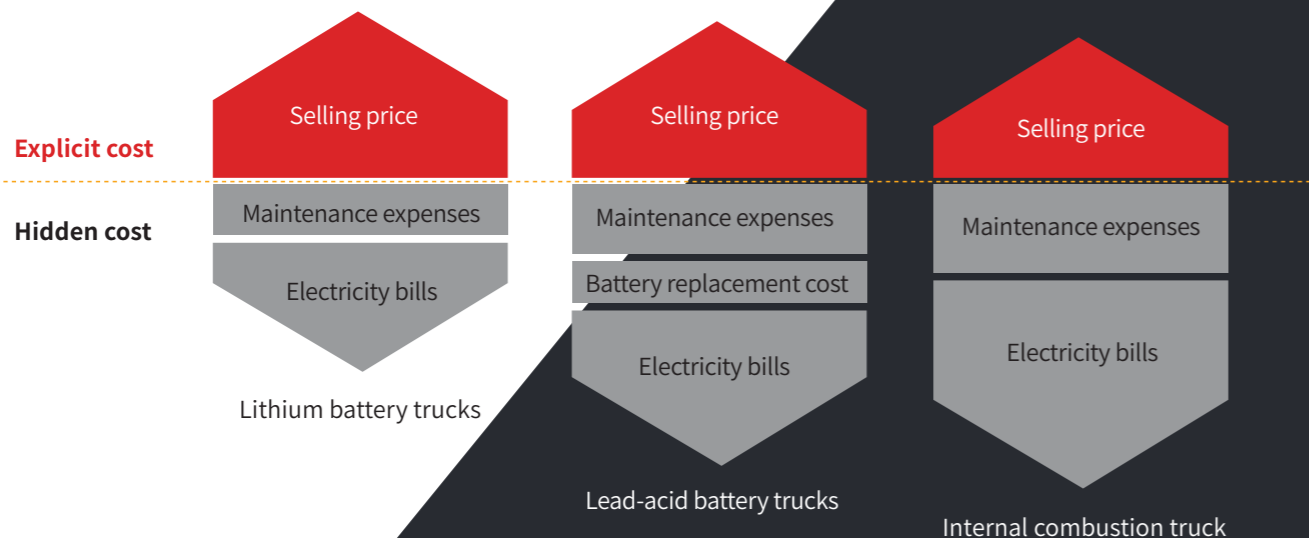


Ratchet type hand brake is safe and reliable.

OPERATING COSTS:

Lithium battery forklift truck **VS** Lead-acid battery forklift truck **VS** internal combustion forklift truck

The superiority of Heli lithium battery forklift is more prominent in its cost of use throughout its lifecycle. Compared with lead-acid battery truck and internal combustion truck, lithium battery truck are more cost-effective due to their maintenance free and high energy conversion rates. Compared to internal combustion trucks, lithium battery trucks have advantages such as no noise, no pollution, low vibration, and simple operation. Lithium battery trucks have the characteristics of fast charging and on-demand charging compared to lead-acid battery trucks, making them more suitable for multi shift work applications.



STRICT TEST

Rain test, reliability enhancement test, vibration test, bumps test



Rain test

the truck reaches to IPX4 protection level after simulating operation under 15 min rainstorm and it meets outdoor operation requirements.



Vibration test

Conduct vibration frequency testing on the truck to optimize and improve operational comfort.



Cold storage test

The whole truck was operated alternately in a -20 °C cold storage for 6 hours, and parked in the cold storage for 12 hours. The whole truck has no faults and could operate continuously

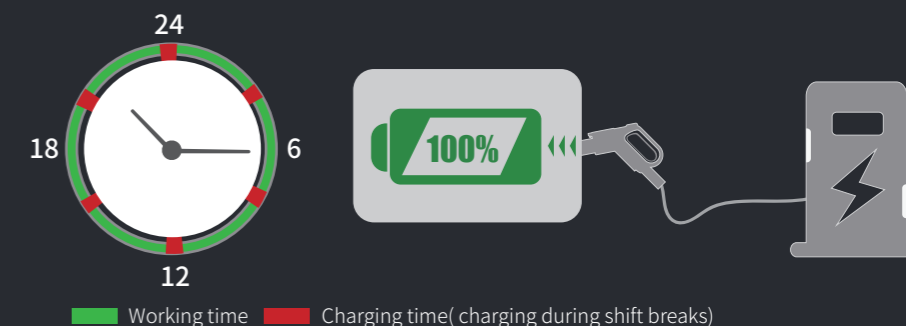


Reliability enhancement test

The truck undergoes 800 hours of enhancement test (including climbing, rain exposure, bumpy road surfaces, etc.).

FAST CHARGING AND ULTRA LONG BATTERY LIFE

- The truck is standard equipped with 202Ah lithium battery which has ultra long battery life.
- The battery satisfies uninterrupted operation during all day.
- The 2t truck model can be equipped with a maximum optional 404Ah lithium battery.



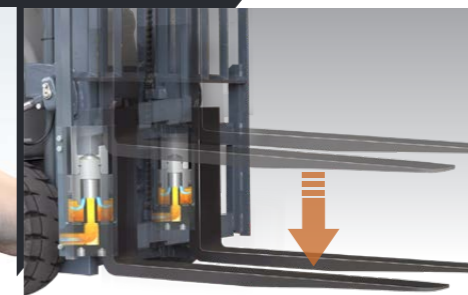
INTELLIGENT SAFETY

The product is designed with intelligent security as its core and has multiple advanced security technologies.

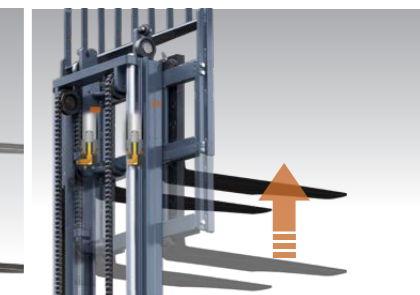
- Electric brake and wet type brake offer dual protections.
- Intelligent differential speed of left and right motors
- Hydraulic pipeline anti-burst protection, forward tilt self-locking protection
- Electrical multiple protection: dual wire system, short circuit protection, overheating protection, low battery protection, sequential protection
- Parking safety reminder
- Slope sliding reminder
- Reverse handle with horn



The integrated card swiping function of the instrument meets the requirements of TSG 81.

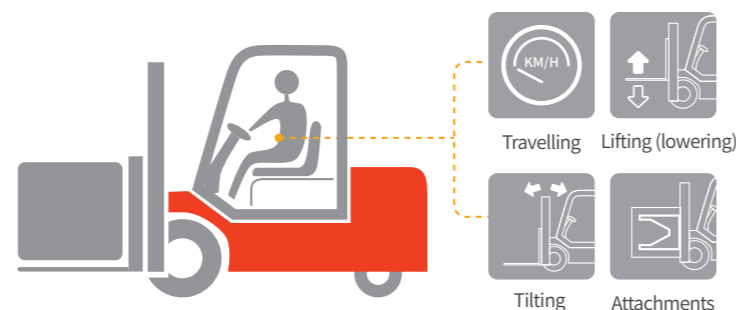
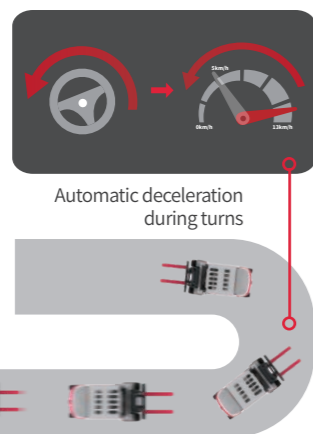


Mast lowering buffer



Mast lifting buffer

- Dual core controller
- Automatic deceleration for steering
- OPS



OPS (operator presence system) Unmanned self-locking Intelligent protection



The hydraulic oil tank is located on the left side for easy filling and checking.



Maintenance-free steering axle

Heli Intelligent Fleet Management System (Standard Domestic Basic Edition)

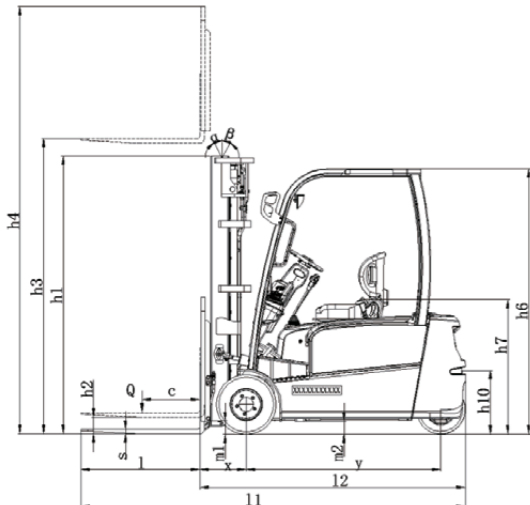
Truck positioning	Statistics report
Remote diagnosis	Truck management
Remote monitoring	Identity recognition
Maintenance remind	Weighing management (optional)
Battery management	Collision management (optional)



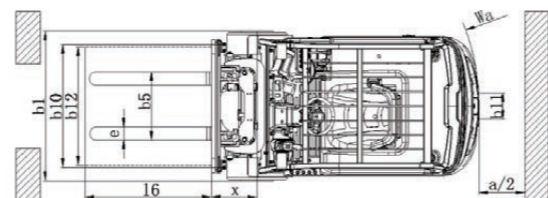
EASY MAINTENANCE
Time-saving, convenient and efficient

Characteristics											
1.01	Manufacturer										
1.02	Model										
1.03	Configuration number										
1.04	Q	lbs	2600	3000	3000	3200	3200	3500	3500	4000	4000
1.05	Load center distance										
1.06	Power mode										
1.07	Driving mode										
1.08	x	in	14	14	14	14	14	14	14	15	15
1.09	y	in	51	51	51	51	51	51	51	51	51
Weight											
2.01	Total weight (with/without battery)										
2.02	Axle load (laden, front/rear)										
2.03	Axle load (unladen, front/rear)										
Tyres											
3.01	Tyre type										
3.02	Tyre size, front										
3.03	Tyre size, rear										
3.04	Number of wheels, front/rear (x= drive wheels)										
3.05	Tread, front										
3.06	Tread, rear										
Dimensions											
4.01	Mast tilt angle (forward/backward)										
4.02	Height (mast lowered)										
4.03	Free lifting height										
4.04	Lifting height (standard)										
4.05	Max. height, extended (with backrest)										
4.06	Height of overhead guard										
4.07	Seat height relating to SIP (to ground)										
4.08	Towing coupling height										
4.09	Overall length (with fork)										
4.10	Overall length (without fork)										
4.11	Overall width										
4.12	Fork size: thickness x width x length										
4.13	Fork carriage, according to ISO2328										
4.14	Distance across fork-arms, Max./Min.										
4.15	Ground clearance (at mast)										
4.16	Ground clearance (center of wheelbase)										
4.17	Right angle stacking aisle width for pallet1000 x1200mm crossways										
4.18	Right angle stacking aisle width for pallet800 x1200mm lengthways										
4.19	Min. outside turning radius										
Performance Data											
5.01	Travel speed (laden/unladen)										
5.02	Lift speed (laden/unladen)										
5.03	Lowering speed (laden/unladen)										
5.04	Max. drawbar pull (laden)										
5.05	Max. gradeability (laden/unladen)										
5.06	Acceleration time(10 m) (laden/unladen)										
Battery											
6.01	Battery voltage/Capacity										
6.02	Battery weight										
Motor and controller											
7.01	Driving motor powering (S2-60min)										
7.02	Lifting motor powering (S3-15%)										
7.03	Driving motor controlling mode										
7.04	Lifting motor controlling mode										
Addition data											
8.01	Service brake/Parking brake										
8.02	Relief pressure										

Note: P refers to the battery side pulling.



Ast: Right angle stacking aisle width
a: Clearance 8in



Mast Model	Max lifting height (in)	Load capacity (lode center 24in)(lbs)					Height (mast lowered)(in)	Free lift (with backrest) (in)	Service weight (lbs)					Mast tilting angle (°) α/β
		CPD13	CPD15	CPD16	CPD18	CPD20			CPD13-20	CPD13-18	CPD20	CPD13	CPD15	
M200	79	2600	3000	3200	3500	4000	60	3	4	5448	5728	5928	6228	6348
M250	98	2600	3000	3200	3500	4000	70	3	4	5514	5794	5994	6294	6414
M300	118	2600	3000	3200	3500	4000	80	3	4	5580	5860	6060	6360	6480
M330	130	2600	3000	3200	3500	4000	86	3	4	5620	5900	6100	6400	6520
M350	138	2600	3000	3200	3500	4000	90	3	4	5646	5926	6126	6426	6546
M370	146	2600	3000	3200	3500	4000	94	3	4	5674	5954	6154	6454	6574
M400	157	2600	3000	3200	3500	4000	101	3	4	5776	6056	6256	6556	6676
M425	167	2600	3000	3200	3500	3800	106	3	4	5810	6090	6290	6590	6710
M450	177	2400	2800	3000	3400	3700	111	3	4	5842	6122	6322	6622	6742
M500	197	2200	2600	2800	3200	3400	121	3	4	5960	6240	6440	6740	6860

Mast Model	Max lifting height (in)	Load capacity (lode center 24in)(lbs)					Height (mast lowered)(in)	Free lift (with backrest) (in)	Service weight (kg)					Mast tilting angle (°) α/β
		CPD13	CPD15	CPD16	CPD18	CPD20			CPD13-20	CPD13-18	CPD20	CPD13	CPD15	
ZM200	79	2600	3000	3200	3500	4000	60	20	20	5436	5716	5916	6216	6336
ZM250	98	2600	3000	3200	3500	4000	70	30	30	5498	5778	5978	6278	6398
ZM300	118	2600	3000	3200	3500	4000	80	40	40	5560	5840	6040	6340	6460
ZM330	130	2600	3000	3200	3500	4000	86	46	46	5596	5876	6076	6376	6496
ZM350	138	2600	3000	3200	3500	4000	90	50	50	5620	5900	6100	6400	6520
ZM370	146	2600	3000	3200	3500	4000	94	54	54	5644	5924	6124	6424	6544
ZM400	157	2600	3000	3200	3500	4000	101	61	62	5744	6024	6224	6524	6644

Note: the free lifting height increases by 18in without backrest.

Mast Model	Max lifting height (in)	Load capacity(lode center 24in)(lbs)					Height (mast lowered)(in)	Free lift (with backrest) (in)	Service weight (lbs)					Mast tilting angle (°) α/β
		CPD13	CPD15	CPD16	CPD18	CPD20			CPD13-20	CPD13-18	CPD20	CPD13	CPD15	
ZSM360	142	2600	3000	3200	3500	4000	70	31	786	5798	6078	6278	6578	6698
ZSM400	157	2600	3000	3200	3500	4000	76	36	921	5856	6136	6336	6636	6756
ZSM435	171	2400	2800	3000	3400	3800	80	41	1036	5896	6176	6376	6676	6796
ZSM450	177	2400	2800	3000	3400	3700	82	43	1086	5916	6196	6396	6696	6816
ZSM470	185	2200	2700	2900	3300	3500	85	45	1156	5944	6224	6424	6724	6844
ZSM480	189	2200	2700	2900	3300	3500	86	46	1186	5956	6236	6436	6736	6856
ZSM500	197	2000	2400	2600	3200	3400	90	50	1286	5996	6276	6476	6776	6896
ZSM540	213	1800	2100	2300	2500	2800	95	56	1421	6054	6334	6534	6834	6954
ZSM600	236	1500	1600	1800	2000	2200	104	64	1636	6224	6504	6704	7004	7124
ZSM650	256	1100	1400	1600	1800	2000	111	72	1826	6292	6572	6772	7072	7192

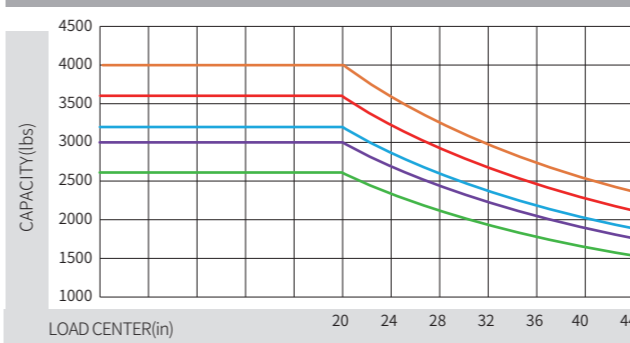
Note: the free lifting height increases by 18in without backrest.

Lithium ion battery, Battery charger

Lithium battery brand	HELI				ENEROC			
	80V/150Ah*	80V/202Ah*	80V/280Ah*	80V/404Ah*	80V/150Ah*	80V/228Ah*	80V/302Ah*	80V/346Ah*
Voltage/Capacity								
CPD13SQ	●	○	○	○	○	○	○	○
CPD15/16/18SQ S	●	○	○	○	○	○	○	○
CPD15/16/18SQ M	○	●	○	○	○	○	○	○
CPD20SQ S	●	○	○	○	○	○	○	○
CPD20SQ M	○	●	○	○	○	○	○	○
Onboard charger	○	○	○	○	○	○	○	○
Low temperature heating of lithium battery	○	○	○	○	○	○	○	○

Note: ● standard configuration ○ option —not configurable. On-board charger is not available for trucks with side-changing battery.

Load curve



Note: The vertical axis stands for load capacity while the horizontal axis stands for the load center which is calculated from the front surface of the forks to the gravity of the standard load. the standard load means a cubic with 1000mm edge length. When the mast is tilted forward, the worker using nonstandard forks for 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.