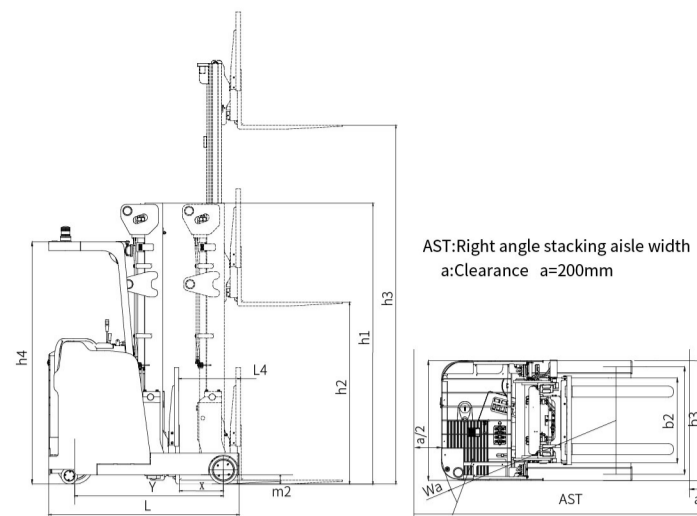


Manufacturer's Data and Design Characteristics

Character		HELI	
1.01	Manufacturer		
1.02	Model	CQD15	CQD18
1.03	Configuration number	A2RLIG2	A2RLIG2
1.04	Load capacity	Q kg	1500
1.05	Load center distance	C mm	500
1.06	Power mode		Lithium Battery
1.07	Driving mode		Stand-on
1.08	Wheel base	Y mm	1350
Tyre			
2.01	Tyre type		Polyurethane
2.02	Wheels number,drive/caster/load(X=driven wheels)		1X/2/2
2.03	Track Width,load	b3 mm	976
2.04	Wheel size ,load		ø254x114
2.05	Wheel size ,drive		ø330x114
2.06	Wheel size ,caster		ø150x76
Size			
3.01	Lift height	h3 mm	3000
3.02	Free lift	h2 mm	85
3.03	Mast height, lowered	h1 mm	2005
3.04	Fork size, thickness/width/length	s/e/l mm	35x100x920
3.05	Fork adjusting width		200~665
3.07	Truck body length(fork excluded)	L mm	1729
3.08	Truck body width	b1 mm	1090
3.09	Distance between support arms	b2 mm	772
3.10	Reach distance	l4 mm	585
3.11	Height of overhead guard	h4 mm	2200
3.12	Ground clearance,below mast	m2 mm	80
3.13	Turning radius	Wa mm	1590
3.14	Load distance,centre of support arm wheel to face of forks	X mm	410
3.15	Aisle width with pallet 1100Lx1100W,clearance 200	Ast mm	2690
3.16	Aisle width with pallet 1000Lx1100W,clearance 200	Ast mm	2650
Performance			
4.01	Travelling speed,with/without load	km/h	10/10.5
4.02	Lifting speed,with/without load	m/s	0.32/0.56
4.03	Lowering speed,with/without load	m/s	0.5/0.48
4.04	Reach speed,with/without load	m/s	0.19/0.19
4.05	Maximum climbing ability,with/without load(S2-5min)	%	15/28
Weight			
5.01	Total weight(with battery)	kg	2380
5.02	Battery weight	kg	250
Battery			
6.01	Battery voltage/capacity k5	V/Ah	80/150
6.02	Battery box dimension	mm	1040x312x575
Moter			
7.01	Drive moter power	kw	6
7.02	Lifting moter power	kw	12
7.03	Steering moter power	kw	0.6
7.04	Transmission box		HELI special transmission box
7.05	Service brake		Electrical

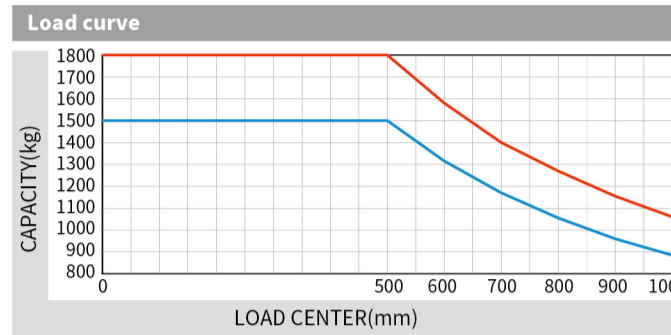
NOTE: Detailed information about lithium battery,please contact our salesmen or engineer.



RENEWABLE ENERGY TECHNOLOGIES

With the use of AC controlling renewable energy technologies, the forklift is more energy-saving and the working hour of the battery is extended by 15%.

15%



CQD15 CQD18

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.

WIDE VIEW MAST

Mast model	Lifting height (mm)		Free lifting height(mm)		Mast height, lowerd(mm)		Load capacity(kg)		Forks tilt angle (front/rear) α/β
	CQD15	CQD18	CQD15	CQD18	CQD15	CQD18	CQD15	CQD18	
M300	3000	3000	85	85	2005	2005	1500	1800	2°/5°
M350	3500	3500	85	85	2255	2255	1500	1800	2°/5°
M400	4000	4000	85	85	2555	2555	1500	1800	2°/5°
M450	4500	4500	85	85	2805	2805	1450	1700	2°/5°
M500	5000	5000	85	85	3055	3055	1350	1550	2°/5°

WIDE VIEW FULL FREE 3-STAGE MAST

Mast model	Lifting height (mm)		Free lifting height(mm)		Mast height, lowerd(mm)		Load capacity(kg)		Forks tilt angle (front/rear) α/β
	CQD15	CQD18	CQD15	CQD18	CQD15	CQD18	CQD15	CQD18	
ZSM460	4600	4600	1163	1163	2195	2195	1450	1700	2°/5°
ZSM500	5000	5000	1295	1295	2330	2330	1350	1550	2°/5°
ZSM540	5400	5400	1428	1428	2460	2460	1200	1400	2°/5°
ZSM570	5700	5700	1528	1528	2560	2560	1100	1300	2°/5°
ZSM600	6000	6000	1628	1628	2660	2660	1000	1150	2°/5°
ZSM650	6500	6500	1795	1795	2830	2830	900	1050	2°/5°
ZSM675	6750	6750	1875	1875	2910	2910	850	1000	2°/5°

HELI

Standard Equipment

- AC travelling motor
- AC Lifting motor
- AC steering motor
- Electrical brake
- DC/DC converter
- Low noisy gear pump
- Control valve(three throw)
- 3000mm two-stage mast
- Standard fork
- Backrest
- Polyurethane tyre
- LED meter
- Front working light
- Vertical battery change
- Rearview mirror
- Mechanical lever operation
- Fork tilting
- Backward buzzer
- HELI package
- Storage box
- Folder

Optional Equipment

- Three-stage full free lift mast
- Two-stage mast(other lifting height)
- Fork with other length
- Control valve(four throw)
- Monitoring system
- Warning light
- Blue spotlight
- Integral sideshifter
- On-board charger
- Rear working light or Rear blue light
- Fan
- Fire extinguisher
- Truck networking
- Neutral package
- Mechanical brake
- Other lithium battery
- Alternative colour schemes

Configuration number	Configuration
A2RLIG2	Manually operated valve
	Mechanical handle control hydraulic functions
	ZAPI travelling motor controller
	ZAPI lifting motor controller
	ZAPI steering motor controller
	Fork tilt



LITON 1.5-1.8 t
G2 SERIES LITHIUM BATTERY
POWERED REACH TRUCK
(STAND-ON TYPE)(80V)



Forward Driving



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» FEATURES OF THE COMPLETED TRUCK

THREE PHASE AC TYPE MOTOR TECHNOLOGY

- Three phase AC type motor control on travelling, lifting and steering
- Good acceleration
- Fast and sensitive respond on travel direction shifting
- Free from maintenance motor without carbon brush having long service life and low maintenance cost, Energy regenerating during deceleration extending operation hours

NEWLY DESIGNED HYDRAULIC SYSTEM

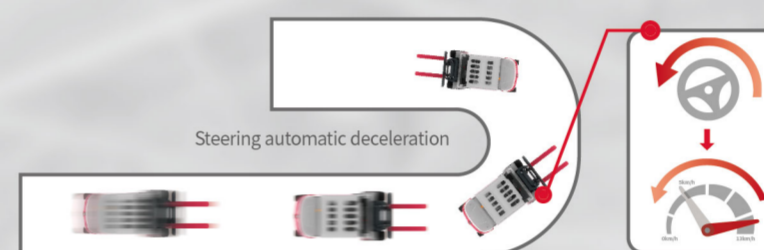
- Newly designed hydraulic system with high working efficiency
- High power lifting motor
- MOSTET lifting speed governing electric controller
- New type low noisy gear pump, high efficiency and long life
- Max. lifting speed without load 22% increased
- Max. lifting speed with load 19% increased

OPTIMIZED INTELLIGENT DESIGN

- CAN bus technology
- Parking brake on slope
- Operation sequence protection
- Travelling speed control
- Lifting speed control
- Electric controller self protection
- Dead-man footswitch traction interlock

ADVANCED EPS ELECTRIC POWERED STEERING

- EPS electric power steering offering easy, flexible, high efficient and mute operation
- Steering motor controller
- Automatic centering function
- Automatic limit on speed and accelerated speed when steering



FIVE INDEPENDENT BRAKING SYSTEMS

- Automatic braking when accelerator lever is released
- Emergency brake activated by releasing foot switch
- Parking brake activated by pressing button on the panel
- Automatic hold-on brake
- Emergency isolator

DISPLAYER



- High quality meter displaying important operating data
- 180° steering angle position display
- Display of battery power and fault code
- Travelling mode selection
- Lifting lock indication
- Hour meter
- Labor hour display

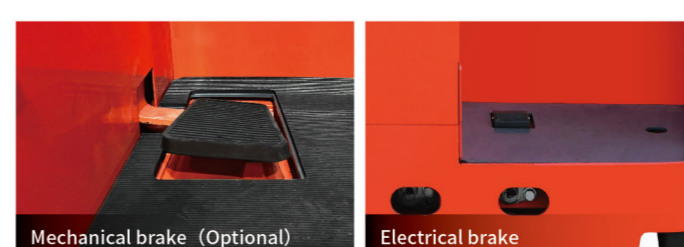


WIDE VIEW MAST

- Good view when loaded
- Integral backrest
- High residual load capacity at high lift height
- Buffering during lifting and lowering
- Buffering on lifting and lowering limit
- Buffering on mast moving forward and backward limit
- Lift height range: 3000-6750mm

COMFORT CAB

- The driver's body is fully protected within the truck contours
- Easy reach to important operation
- Handrail



Pedal height 250mm

