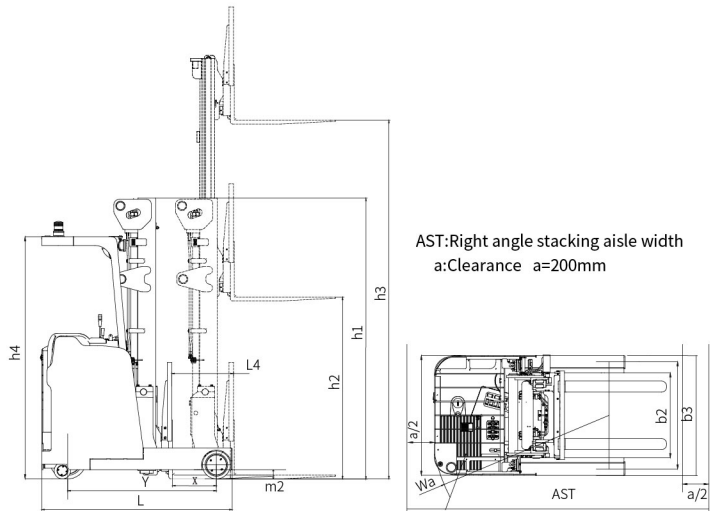


Manufacturer's Data and Design Characteristics					
	Character				
1.01	Manufacturer			HELI	
1.02	Model			CQD15	CQD18
1.03	Configuration number			A2RLIG2	A2RLIG2
1.04	Load capacity	Q	kg	1500	1800
1.05	Load center distance	C	mm	500	
1.06	Power mode			Lithium Battery	
1.07	Driving mode			Stand-on	
1.08	Wheel base	Y	mm	1350	1500
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		mm	ø254x114	
2.05	Wheel size ,drive		mm	ø330x114	
2.06	Wheel size ,caster		mm	ø150x76	
Size					
3.01	Lift height	h3	mm	3000	3000
3.02	Free lift	h2	mm	85	85
3.03	Mast height, lowered	h1	mm	2005	2005
3.04	Fork size, thickness/width/length	s/e/l	mm	35x100x920	35x100x920
3.05	Fork adjusting width		mm	200~665	200~665
3.07	Truck body length(fork excluded)	L	mm	1729	1879
3.08	Truck body width	b1	mm	1090	1090
3.09	Distance between support arms	b2	mm	772	772
3.10	Reach distance	l4	mm	585	735
3.11	Height of overhead guard	h4	mm	2200	2200
3.12	Ground clearance,below mast	m2	mm	80	80
3.13	Turning radius	Wa	mm	1590	1730
3.14	Load distance,centre of support arm wheel to face of forks	X	mm	410	560
3.15	Aisle width with pallet 1100Lx1100W,clearance 200	Ast	mm	2690	2720
3.16	Aisle width with pallet 1000Lx1100W,clearance 200	Ast	mm	2650	2690
Performance					
4.01	Travelling speed,with/without load		km/h	10/10.5	10/10.5
4.02	Lifting speed,with/without load		m/s	0.32/0.56	0.3/0.56
4.03	Lowering speed,with/without load		m/s	0.5/0.48	0.5/0.48
4.04	Reach speed,with/without load		m/s	0.19/0.19	0.19/0.19
4.05	Maximum climbing ability,with/without load(S2-5min)		%	15/28	15/28
Weight					
5.01	Total weight(with battery)		kg	2380	2420
5.02	Battery weight		kg	250	250
Battery					
6.01	Battery voltage/capacity k5		V/Ah	80/150	80/150
6.02	Battery box dimension		mm	1040x312x575	1040x312x575
Moter					
7.01	Drive moter power		kw	6	6
7.02	Lifting moter power		kw	12	12
7.03	Steering moter power		kw	0.6	0.6
7.04	Transmission box			HELI special transmission box	
7.05	Service brake			Electrical	

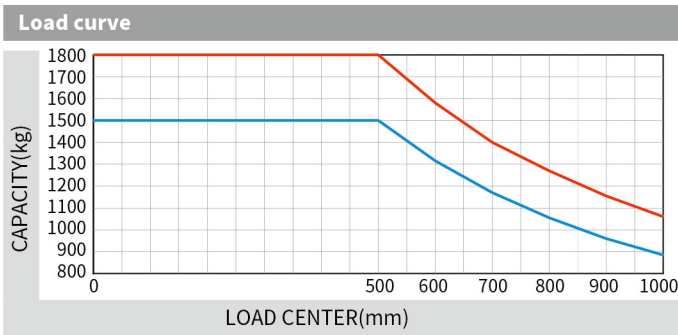
NOTE: Detailed information about lithium battery,please contact our salesmen or engineer.



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

www.heliforklift.net

HELI

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



Forward Driving



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63639358(Asia); 63662105(Africa & Middle East)



» 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

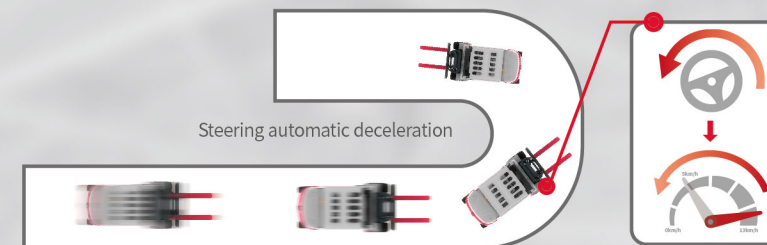
- Newly designed hydraulic system with high working efficiency
- High power lifting motor
- MOSTET lifting speed governing electric controller
- New type low noisy gear pump, high efficiency and long life
- Max. lifting speed without load 22% increased
- Max. lifting speed with load 19% increased

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

