

G2 SERIES 2-2.5t

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

Optimized intelligent design

- CAN bus technology
- Parking brake on slope
- Operation sequence protection
- Travelling speed control
- Lifting speed control
- Electric controller self protection
- Safety footswitch

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

Easy operated thumb switch

- To control travelling functions
- Clear operating units

Six 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
- Parking brake activated by hydraulic control lever
- Emergency isolator



Comfort cab

- The driver's body is fully protected within the truck contours.
- Padded waist, head and arm supports.
- Easy reach to important operation.

Overhead guard

- Overhead guard support for improved operator protection and enhanced visibility to the load.
- Fence on top of the overhead guard offering driver wide view.
- Beveled view angle design with front ring beam meeting humanized requirements.

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 sideshifter
- High residual load capacity at high lift height
- Buffering on lifting limit
- Buffering on mast moving forward and backward limit
- Fork tilt
- Lift height range: 2500-7400mm



Standard configuration

AC travelling motor
AC lifting motor
AC steering motor
Electrical brake
DC/DC converter
Low noisy gear pump
Control valve(four throw)
3300mm two-stage mast
Integral sideshifter
Standard fork
Backrest

Polyurethane tyre
LED meter
Front working light
Vertical battery change
Warning light

Optional device

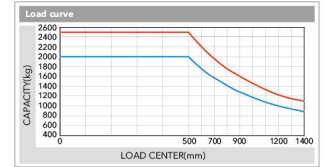
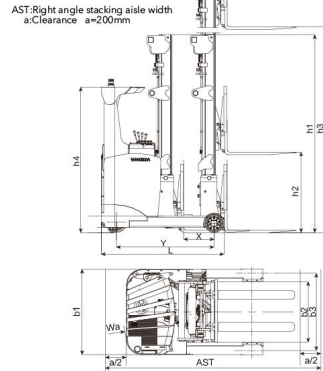
Three-stage full free lift mast
Two-stage mast(other lifting height)
Fork with other length
Fork extension
Monitoring system
Other battery
Battery charger
Alternative colour schemes
Battery on rollers for rapid side battery change



Manufacturer's Data and Design Characteristics

Character		HELI	
1.01	Manufacturer	HELI	
1.02	Model	COD20	COD25
1.03	Configuration number	GC2R	GC2R
1.04	Load capacity	2000	2500
1.05	Load center distance	Q	500
1.06	Power mode	Battery	
1.07	Driving mode	Stand-on	
1.08	Wheel base	Y	1515
			1685
Type		Polyurethane	
2.01	Type type	Polyurethane	
2.02	Wheel number, drive/caster/load (X=drive wheel)	1x/2/2	
2.03	Track Width/load	b3	1078
2.04	Wheel size, load	ø285x100	
2.05	Wheel size, drive	ø330x114	
2.06	Wheel size, caster	ø178x76	
Size			
3.01	Lift height	h3	3300
3.02	Free lift	h2	80
3.03	Mast height, lowered	h1	2424
3.04	Fork size, thickness/width/length	s/e/l	40x122x920
3.05	Fork adjusting width	mm	244~722
3.06	Fork side shifting	mm	±55
3.07	Truck body length(fork excluded)	L	1906
3.08	Truck body width	b1	1190
3.09	Distance between support arms	b2	846
3.10	Reach distance	l4	675
3.11	Height of overhead guard	h4	2250
3.12	Ground clearance,below mast	m2	83
3.13	Turning radius	Wa	1795
3.14	Distance from front fork tip to center of load wheel	X	467
3.15	Aisle width with pallet1100Lx1100W,clearance 200	As1	2835
3.16	Aisle width with pallet1000Lx1100W,clearance 200	As2	2760
Performance			
4.01	Travelling speed,with/without load	km/h	10/11.5
4.02	Lifting speed,with/without load	m/s	0.3/0.45
4.03	Lowering speed,with/without load	m/s	0.5/0.45
4.04	Reach speed,with/without load	m/s	0.1/0.1
4.05	Maximum climbing ability,with/without load	%	10/15
Weight			
5.01	Total weight(with battery)	kg	3200
			3250
Battery			
6.01	Battery voltage/capacity kS	V/Ah	48/420
6.02	Battery weight	kg	750
6.03	Battery box dimension	mm	1035x352x784
			11035x352x784
Motor and controller			
7.01	Drive motor power	kw	5
7.02	Lifting motor power	kw	10
7.03	Steering motor power	kw	0.6
7.04	Type of driving control	MOSTET/AC	
7.05	Type of lifting control	MOSTET/AC	
7.06	Type of steering control	MOSTET/AC	
7.07	Transmission box	HELI special transmission box	
7.08	Service brake	Electrical	

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



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.

Configuration number	Configuration
GC2R	Manually operated valve
	Mechanical handle control hydraulic functions
	ZAPI travelling motor controller
	ZAPI lifting motor controller
	ZAPI steering motor controller

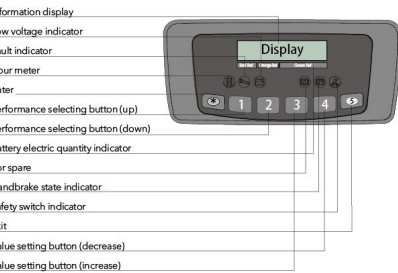
WIDE VIEW FULL FREE 3-STAGE MAST						
Mast model	Lifting height (mm)		Free lifting height (mm)		Mast height, lowered (mm)	
	COD20	COD25	COD20	COD25	COD20	COD25
ZSM360	3600	3600	980	980	2005	2005
ZSM400	4000	4000	1110	1110	2138	2138
ZSM430	4300	4300	1210	1210	2238	2238
ZSM460	4600	4600	1310	1310	2338	2338
ZSM480	4800	4800	1380	1380	2405	2405
ZSM540	5400	5400	1580	1580	2605	2605
ZSM570	5700	5700	1680	1680	2705	2705
ZSM600	6000	6000	1780	1780	2805	2805
ZSM650	6500	6500	1947	1947	2972	2972
ZSM740	7400	7400	2247	2247	3272	3272

WIDE VIEW MAST						
Mast model	Lifting height (mm)		Free lifting height (mm)		Mast height, lowered (mm)	
	COD20	COD25	COD20	COD25	COD20	COD25
M250	2500	2500	80	80	2024	2024
M270	2700	2700	80	80	2124	2124
M300	3000	3000	80	80	2274	2274
M330	3300	3300	80	80	2424	2424
M360	3600	3600	80	80	2574	2574
M400	4000	4000	80	80	2774	2774
M430	4300	4300	80	80	2924	2924
M460	4600	4600	80	80	3074	3074
M500	5000	5000	80	80	3274	3274
M540	5400	5400	80	80	3474	3474

HELI

HELI

Reliable special designed instrument



The reliable special instrument gives a complete display of the vital information, like operation status, fault detection, etc. It ensures the operator predominate the vehicle status more intuitive and convenient.

HELI smart fleet management system (optional)

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



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%



2-2.5t
G2 SERIES AC ELECTRIC
REACH TRUCK
(STAND-ON TYPE)

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