

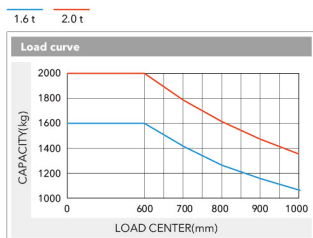
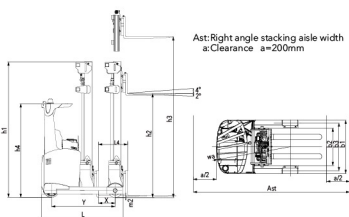
WIDE VIEW FULL FREE 3-STAGE MAST

Mast model	Max. lifting height (mm)	Load capacity (load center 600mm)(kg)	Mast overall height (mm)	Free lifting height (with backrest)(mm)	Service weight(kg)	Fork tilt angle (front/rear) α / β
		CQD16-GB25	CQD20-GB25	1.6-2t	CQD16-GB25	CQD20-GB25
ZSM460	4600	1600	2000	2314	1280	3395
ZSM480	4800	1600	2000	2381	1340	3414
ZSM540	5400	1600	2000	2581	1540	3472
ZSM570	5700	1550	1900	2681	1640	3500
ZSM630	6300	1500	1900	2881	1840	3558
ZSM675	6750	1450	1800	2982	1940	3591
ZSM700	7000	1400	1700	3065	2030	3615
ZSM715	7150	1400	1700	3115	2080	3629
ZSM750	7500	1300	1700	3232	2190	3663
ZSM800	8000	1200	1500	3398	2360	3711
ZSM850	8500	1100	1300	3564	2530	3759
ZSM900	9000	900	1100	3730	2690	3806
ZSM950	9500	800	1000	3898	2860	3855
ZSM1000	10000	-	850	4064	3030	-
ZSM1050	10500	-	800	4230	3190	-
ZSM1080	10800	-	750	4330	3290	-
ZSM1100	11000	-	700	4398	3360	-
ZSM1150	11500	-	650	4564	3530	-
ZSM1200	12000	-	550	4730	3690	-
ZSM1250	12500	-	500	4898	3860	-

Note: The free lift height is 4600mm-6300mm when the truck is not assembled with backrest. The free lift height is 175mm increased and other height is 25mm increased.

WIDE VIEW MAST

Mast model	Max lifting height (mm)	Load capacity (load center 600mm)(kg)		Mast overall height (mm)	Service weight(kg)		Fork tilt angle (front/rear) α / β
		CQD 16-GB25	CQD20-GB25		CQD16-GB25	CQD20-GB25	
M290	2900	1600	2000	1.6-2t	3166	3331	2°/4°
M320	3200	1600	2000	2350	3185	3350	2°/4°
M360	3600	1600	2000	2550	3214	3379	2°/4°
M380	3800	1600	2000	2650	3228	3393	2°/4°
M400	4000	1600	2000	2750	3243	3408	2°/4°
M420	4200	1600	2000	2850	3256	3421	2°/4°
M440	4400	1600	2000	2950	3269	3434	2°/4°
M460	4600	1600	2000	3050	3325	3490	2°/4°
M500	5000	1500	1900	3250	3353	3518	2°/4°



RENEWABLE ENERGY TECHNOLOGIES

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

15%

Note: The vertical axis denotes capacity and the horizontal axis denotes load center, which is calculated from front face of fork to centre of load. Standard load is one cubic metre hence 500mm load centre. When tilting forward or using non-standard forks, the capacity will be reduced as load center is increased.

Manufacturer's Data and Design Characteristics

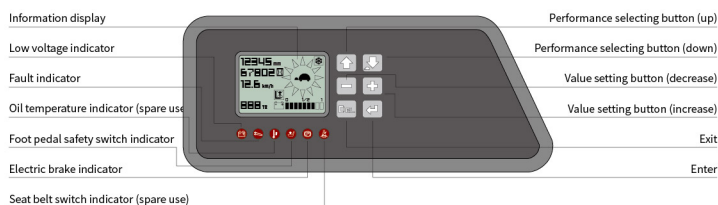
1.01	Character					
1.02	Manufacturer					HELI
1.03	Model					COD16 GB25 COD20 GB25
1.04	Configuration number					Q kg 1600 2000
1.05	Load capacity					600
1.06	Load center distance					Battery Seated
1.07	Power mode					1450 1515
1.08	Driving mode					
1.09	Wheel base					
2.01	Type					Polyurethane
2.02	Type type					1x/2
2.03	Wheels, number front/rear (x=driven wheels)					1157 1143
2.04	Track width, rear					4 285x100 4 330x100
2.05	Wheel size, rear					4 343x114 4 343x114
2.06	Wheel size, front					
3.01	Size					
3.02	Lift height					h3 mm 4600 4600
3.03	Free lift					h2 mm 1280 1280
3.04	Mast height, lowered					h1 mm 2314 2314
3.05	Fork size/thickness width x length					s/e/l mm 40x122x1150 40x122x1150
3.06	Fork adjusting width					244-724 244-724
3.07	Fork tilt angle (front/rear)					α / β ° 2°/4° 2°/4°
3.08	Fork sideshifting					mm ±75 ±75
3.09	Truck body length (fork excluded)					L mm 1840 1942
3.10	Truck body width					b1 mm 1270 1270
3.11	Distance between support arms					b2 mm 900 900
3.12	Reach distance					L4 mm 606 620
3.13	Height of overhead guard (cab)					h4 mm 2215 2215
3.14	Ground clearance, below mast					m2 mm 75 75
3.15	Turning radius					Wa mm 1689 1751
3.16	Load distance, centre of support arm wheel to face of forks					X mm 369 383
3.17	Aisle width with pallet 1200 x 1200 across forks					Ast mm 2914 2965
3.18	Aisle width with pallet 1000 x 1200 across forks					Ast mm 2760 2810
4.01	Performance					
4.02	Travelling speed: with/without load					km/h 11/12 12/14
4.03	Lifting speed: with/without load					m/s 0.34/0.53 0.35/0.55
4.04	Lowering speed: with/without load					m/s 0.5/0.5 0.5/0.5
4.05	Reach speed: with/without load					m/s 0.11/0.11 0.11/0.11
4.06	Maximum climbing ability, with/without load					% 10/15 10/15
5.01	Weight					
5.02	Total weight (with battery)					kg 3395 3560
5.03	Axle load, fork outreach, without load, front/rear					kg 1500/1895 1590/1970
5.04	Axle load, fork outreach, with load, front/rear					kg 2013/1383 2230/1330
5.05	Axle load, fork outreach, with load, front/rear					kg 578/4415 550/5010
6.01	Battery					
6.02	Battery voltage/capacity KS					V/Ah 48/450 48/560
6.03	Battery weight					kg 750 967
6.04	Battery box dimension					mm 1220x283x784 1220x352x784
7.01	Motor and controller					
7.02	Drive motor power					kW 6 8
7.03	Lifting motor power					kW 11 12.5
7.04	Steering motor power					kW 0.4 0.4
7.05	Type of driving control					MOSFET/AC
7.06	Type of lifting control					MOSFET/AC
7.07	Type of steering control					MOSFET/AC
7.08	Transmission box					HELI special transmission box
7.09	Service brake					Electromagnetic brake
7.10	Hydraulic system working pressure					Mpa 17.5 20.5

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

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.



STANDARD CONFIGURATION

AC travelling motor
AC lifting motor
AC steering motor
ZAPI travelling motor controller
ZAPI lifting motor controller
ZAPI steering motor controller
Electromagnetic brake
DC/DC converter
Low noisy gear pump
Control valve (four throw)
4600mm three stage full free lift mast
Integral sideshifter
Standard fork
Backrest
Polyurethane tyre
LED meter
Front working light
Warning light

OPTIONAL DEVICE

Three-stage full free lift mast (other lifting height)
fork with other length
Fork extension
Lifting height pre-selector
Monitoring system
Other battery
Germany hoppecker battery
Italy FAAM battery
Battery charger
Customer made color

HELI

1.6-2.0t

G2 SERIES AC ELECTRIC
REACH TRUCK-
SIT-DOWN TYPE

ANHUI HELI CO., LTD.
Add / No.668, FangXing Road, Hefei, China
Fax / +86-551-63639966

Tel / +86-551-63639068(America); 63639258(Europe);
63639358(Asia); 63662105(Africa & Middle East);
63639530(Key Accounts Division); 63662105(Wheel loader)

G2 SERIES 1.6-2.0t

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
- Max. travelling speed without load 20% increased
- Max. travelling speed with load 27% increased

Newly designed hydraulic system

- Newly designed hydraulic system with high working efficiency
- High power lifting motor
- MOSFET lifting speed governing electric controller
- New type low noisy gear pump
- Max. lifting speed without load 15% increased
- Max. lifting speed with load 25% increased

Optimized intelligent design

- ZAPI travelling motor controller
- ZAPI lifting motor controller
- ZAPI steering motor controller
- CAN bus technology
- Emergency power off of both main circuit and control circuit
- Parking brake on slope
- Operation sequence protection
- Travelling speed control
- Electric controller self protection
- Lifting height pre-selector (optional)

Advanced EPS electric powered steering

- EPS electric powered steering offering easy, flexible, high efficient and mute operation
- Steering motor controller
- Automatic centering function
- Real-time shifting between 180°steering mode and 360° steering mode
- Automatic limit on speed and accelerated speed when steering

Easy operated thumb switch

- To control hydraulic functions
- Clear operating units
- Proportional solenoid offering a stable and comfort lowering action



Displayer

- High quality meter displaying important operating data
- Display of traveling direction and drive wheel angle
- Display of 180°/360° steering mode
- Display of battery quantity and fault code
- Travelling mode selection
- Lifting lock indication
- Hour meter
- Labor hour display
- Time
- Fork height display (optional)

Wide view mast

- Good view when loaded
- Integral sideshifter
- Mast vertical, fork tilt
- High residual load capacity at high lift height
- Lift height range: 4600-12500mm
- Buffering during lifting and lowering
- Buffering on lifting and lowering limit
- Buffering when cylinder moving forward

Comfort cab

- Comfort cab offering driver good working environment and easy operation
- Easy reach to important operation
- Adjustable seat (seat position /backrest angle)

Overhead guard

- Fence on top of the overhead guard offering driver wide view
- Beveled view angle design with front ring beam meeting humanized requirements

