

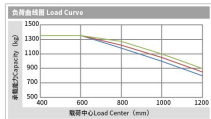
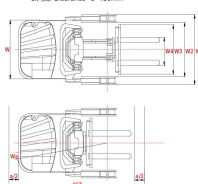


宽视野三节全自由门架 WIDE VIEW FULL FREE 3-STAGE MAST

门架型号 Mast model	门架高度 Fork Height (mm)			额定起重重量 Load Capacity(kg)			整车重量 Service Weight(Like)(kg)		
	自由起升高度 Free lift (mm)	全自由起升高度 Full free lift (mm)	门架总高度 Mast height (mm)	CCD14K2-GA2R CCD14K2-GB2R CCD14K2-GC2R	CCD14K2-GA2R CCD14K2-GB2R CCD14K2-GC2R	CCD14K2-GA2R CCD14K2-GB2R CCD14K2-GC2R	CCD14K2-GA2R CCD14K2-GB2R CCD14K2-GC2R	CCD14K2-GA2R CCD14K2-GB2R CCD14K2-GC2R	CCD14K2-GA2R CCD14K2-GB2R CCD14K2-GC2R
ZSM602	5025	1390	2426	1350	1350	1350	3580	3748	3904
ZSM633	5330	1490	2526	1350	1350	1350	3600	3748	3924
ZSM10	6095	1745	2781	1200	1200	1200	3670	3838	3994
ZSM85	6855	2000	3036	1000	1000	1000	3720	3888	4044
ZSM762	7620	2285	3321	800	900	900	3790	3958	4114

AST: 侧角堆叠宽度

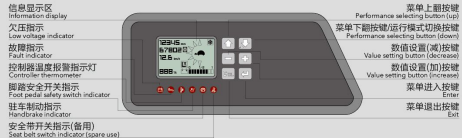
Right angle stacking aisle width  
a: 侧角 Clearance a=150mm



NOTE: The vertical axis is the load capacity, and the horizontal axis is the load center which is calculated from the front face of the forks to the load center of gravity. Capacity curves shown are for a standard mast at zero degree tilt with standard forks. Changing mast tilt, using non-standard forks or loading large goods can affect load capacity. This chart can be used to estimate load capacity at various load centers for standard masts. Contact HELI for specific load ratings for your situation.



可靠的专用仪表将整车运行状态、故障检测等重要信息完整地显示出来，使操作者更直观、方便地了解车辆状态。  
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.



ZAPI高配仪表(用于配置号为GB2R的车辆)  
ZAPI high level meter (for GB2R truck model)

能量再生技术 RENEWABLE ENERGY TECHNOLOGIES

应用负载传感优先转向和交流控制能量再生技术，叉车更节能，蓄电池使用寿命时间最大延长15%。  
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%.



Certifications: These HELI models are CE&CQC certified and also meet all requirements of ANSI B56.1-2012 and OSHA Regulation 29CFR1910.178 All dimensional and performance specifications shown are for reference and subject to change without notice.



1.4t  
G系列蓄电池伸缩式前移叉车  
G SERIES AC ELECTRIC  
NARROW AISLE REACH TRUCK



www.helichina.com

制造商和技术参数 MANUFACTURER'S DATA AND DESIGN CHARACTERISTICS

特性 Characteristics		制造商 Manufacturer		
1.01 型号 Model		CCD14K2	CCD14K2	CCD14K2
1.03 配置号 Configuration number		GA2R	GB2R	GC2R
1.04 额定承载能力 Load capacity	Q kg	1350	1350	1350
1.05 额定中心距 Load center distance	C mm	600	600	600
1.06 动力形式 Power model		蓄电池 Battery	蓄电池 Battery	蓄电池 Battery
1.07 驱动方式 Driving model		站驾 Stand-on	站驾 Stand-on	站驾 Stand-on
1.08 轴距 Wheel base	L2 mm	1057	1057	1055
1.09 电压 Voltage	V	36/48	36/48	36/48
1.01 轮胎类型 Tyre type		聚氨酯 Polyurethane	聚氨酯 Polyurethane	聚氨酯 Polyurethane
2.02 轮胎规格 额定承载/净承载(×-额定胎) Wheel size/tyre load capacity (×-rated tyre)		1-1402	1-1402	1-1402
2.03 轮胎尺寸 Wheel size load	mm	Φ127×95	Φ127×95	Φ127×95
2.04 轮胎尺寸 Wheel size, tyre	mm	Φ330×140	Φ330×140	Φ330×140
2.05 轮胎尺寸 Wheel size, caster	mm	Φ178×76	Φ178×76	Φ178×76
尺寸 Dimensions				
3.01 后桥门架起升高度 Lift height	H mm	5330	5330	5330
3.02 自由起升高度 Free lift	H8 mm	2526	2526	2526
3.03 门架总高度 Mast height	H1 mm	1490	1490	1490
3.04 叉叉尺寸 额定/调整/伸展 Fork size/adjusted width length	mm	35×100×820	35×100×820	35×100×820
3.05 货叉调整宽度 Fork adjusting width	W4 mm	244-724	244-724	244-724
3.06 货叉间距(距叉) TB	*	3" 4"	3" 4"	3" 4"
3.07 货叉侧间距 Fork side shifting	mm	450	450	450
3.08 车身长度(不含货叉) Truck body length (not incl. fork)	L mm	1954	1950	2092
3.09 车身宽度 Truck body width	W mm	1090	1090	1090
3.10 支腿间距 Straddle leg, inside width	W2 mm	845-1300	845-1300	845-1300
3.11 支腿外宽 Straddle leg, outside width	W1 mm	1162-1462	1162-1462	1162-1462
3.12 货叉宽度 Fork carriage width	W3 mm	842	842	842
3.13 前桥距离 Reach distance	S mm	1080	1080	1080
3.14 护顶架高度 Height of overhead guard	H7 mm	2320	2320	2320
3.15 电池底部离地间隙 Battery bottom clearance	H4 mm	180	180	180
3.16 货叉离地间隙 Straddle clearance	H5 mm	50	50	50
3.17 支腿高度 Straddle height	H9 mm	130	130	130
3.18 上平台高度 Step height	H6 mm	250	250	250
3.19 最小转弯半径 Minimum turning radius	RA mm	1638	1674	1696
3.20 驱动轴中心至车架后缘 Drive wheel center to truck body rear distance	L1 mm	252	252	252
3.21 货叉前缘至车架后缘 Fork front to truck body rear distance	L4 mm	1520	1565	1627
3.22 最低离地高度(前轴) Minimum ground clearance (front axle)	mm	2805	2871	3033
3.23 最低离地高度(后轴) Minimum ground clearance (rear axle)	mm	2713	2848	2811
性能 Performance				
4.01 行驶速度, 满负载 Travelling speed, with/without load	km/h	10/11	10/11	10/11
4.02 上升速度, 满负载 Lifting speed, with/without load	m/s	3.00/3.00	3.00/3.00	3.00/3.00
4.03 下降速度, 满负载 Lowering speed, with/without load	m/s	500/500	500/500	500/500
4.04 前进速度, 满负载 Reach speed, with/without load	m/s	110/150	110/150	110/150
4.05 最大爬坡能力, 满负载 Maximum climb capability, with/without load	%	10/15	10/15	10/15
重量 Weight				
5.01 整车自重(不含蓄电池) Total weight (without battery)	kg	2750	2770	2750
5.02 空载净重, 额定净承载(货叉后移) Axle loading, no load (front/rear)	kg	1379/2221	1443/2325	1530/2384
5.03 满载净重, 额定净承载(货叉后移) Axle loading, load (front/rear)	kg	3010/1940	3112/2208	3164/2110
蓄电池 Battery				
6.01 蓄电池标称容量(5小时放电率) Battery voltage/capacity 5h	V/Ah	36/770, 48/950	36/880, 48/960	36/990, 48/770
6.02 蓄电池最小重量 Minimum battery weight	kg	1065	1270	1405
6.03 蓄电池净重量 Minimum battery weight	kg	659	658	1134
6.04 蓄电池空腔尺寸 Battery department size	mm	1005x428x810	1005x405x810	1005x527x810
电机及控制 Motor and controller				
7.01 驱动电机功率 Driving motor power	kw	7	7	7
7.02 转向电机功率 Steering motor power	kw	15	15	15
7.03 转向电机功率 Steering motor power	kw	0.6	0.6	0.6
7.04 驱动控制方式 Type of driving control		MOSFET/AC	MOSFET/AC	MOSFET/AC
7.05 驱动控制方式 Type of driving control		MOSFET/AC	MOSFET/AC	MOSFET/AC
7.06 转向控制方式 Type of steering control		MOSFET/AC	MOSFET/AC	MOSFET/AC
7.07 变速箱 Transmission box		合力专用 HELI special	合力专用 HELI special	合力专用 HELI special
7.08 行车制动 Service brake		电制动 Electric	电制动 Electric	电制动 Electric
7.09 驻车制动 Parking Brake		电制动 Electric	电制动 Electric	电制动 Electric
7.10 液压系统工作压力 Hydraulic system working pressure	Mpa	21	21	21

注: 蓄电池标称容量及其尺寸大小, 请向经销商索取详细资料。 重量单位为150kg或更多, 仅供参考, 不作为法律依据。  
NOTE: For detailed information about battery please contact your authorized HELI dealer.  
These are "Zero Clearance" aisles in the table and are provided as additional 150mm or more to be added to provide for easier maneuvering.

## G 系列 1.4t

### 舒适性 Comfortable

- 可调节靠背及扶手, 减轻劳累
- 智能化的集成控制手柄, 操作方便快捷
- 全比例液压控制, 工作更稳定, 控制更精确
- 电子助力转向, 轻便灵活, 高效静音
- 自动对中功能

- Adjustable backrest and armrest help reduce fatigue
- Integrated, intelligent control handle is convenient and comfortable to use
- With proportional hydraulic control, working is more stable and more precise
- Electronic power steering offer easy, flexible, high efficient and quite operation
- Steering is centers itself automatically on startup for a safer operation

### 安全 Safety

- 转弯自动减速, 操作安全
- 标配警示灯, 及行走OPS系统, 整机更安全
- 驻车电磁制动, 可实现坡道和平地自动驻车功能
- 五重独立制动系统
- 释放加速手柄的电液再生制动
- 松开脚踏开关启动紧急制动
- 按钮触发的驻车制动
- 自动启动的驻车制动
- 紧急断电开关

- HELI's intelligent control system automatic decelerates in sharp turns for safer operation
- Warning light and drive OPS system come standard to ensure complete truck safety
- Parking brake is automatically applied on a slope or flat surface via a magnetic brake on the drive axle
- Five independent braking systems provide maximum safe braking
- Regenerative braking provides extra power back to the electrical system releasing when the control handles is released
- Emergency brake is activated by releasing foot pedal
- Parking brake can also be activated by pressing button on the panel
- Parking brake automatically activates when operator leave truck
- Emergency stop switch disengages power and applies brake automatically

### 作业效率 Working efficiency

- 转弯半径小, 转向方便, 机动灵活
- 更小的点载轮, 可直接深入货架底部
- 更快的行驶速度与起升速度, 作业效率高
- 三种速选选择功能, 适应不同场合和工况的操作
- 更大容量的蓄电池, 实现更长的作业时间
- 更高的离位承载能力和稳定性

- Small turning radius makes steering flexible and easy
- Smaller load wheels easier to maneuver into the bottom of the shelf
- With optimal driving and lifting speeds, better working efficiency can be achieved
- With HELI's three speed modes, higher performance can be achieved
- Larger battery capacity for longer single shift time
- Bettering loading capacity and stability at higher lift heights

### 节能降耗 Energy efficiency

- 全比例液压控制, 更高效, 更节能
- 配置LED指示灯, 灯光节能80%以上
- 行走制动为电机再生制动, 回收更多的电能
- 电子转向, 更节能, 作业效率更高

- With proportional controls, the truck is more energy efficient and has lower energy consumption
- All LED lights reduce lighting energy consumption by 80%
- Drive motor regenerative braking recycles more electric energy
- Electronic steering is more efficient saving energy

### 可维护性 Maintainability

- 车门打开简单, 方便整车的检查和维修
- 采用螺栓装卸式滤芯, 方便维修, 节省费用
- 车门、顶盖和前方罩可以方便地拆卸, 以便对整车的所有部件进行快速和容易的维护
- With bolt type load wheel box installation, outigger/load wheel maintenance are convenient and less costly



### 宽视野门架和工作装置 Wide view mast and pantograph

- 标配脚踏、倾斜、伸缩功能
- 全新设计的宽视野门架和工作装置
- 伸出和缩回过程中都可获得更广阔的视野
- 起升杆下降缓冲
- 货叉收缩缓冲
- Comes standard with shift, tilt and reach functions
- Newly designed wide-view mast and pantograph maximize operator's view effectively when forks are retracted and extended
- Lift cylinder has end stroke cushions, while the controller provides in transit buffers to ensure smooth lifting and lowering functions
- The controller also provides in transit and end stroke buffers for smooth the fork retract function

### 护顶架 Overhead guard

- 大圆弧护顶架, 合适角度的横杆, 顶部视野开阔
- 与车体紧密连接, 缓冲货物冲击
- 无前立柱, 改善作业视野
- The large arc shape of the overhead guard and properly angled grid slats greatly increase operator's upward view
- Rear leg connected to the chassis suspension, provide shock buffering from falling loads
- Without front legs, work view is improved

### 舒适的驾驶室 Comfortable operator's compartment



- 最佳的上车台阶高度, 保证上车的舒适性, 避免了托盘搬运车货叉插入驾驶室的风险
- 配有腰部及肘部支撑
- 减震仪表, 减轻疲劳
- 司机对身体受到车辆的全面保护
- Optimal step height provides ease of access to operator's compartment while providing safety from the risk of pallet truck forks tip intrusion
- Padded waist and arm supports for operator's comfort
- Cushioned floorboard helps reduce operator for fatigue
- The operator's body is fully protected within the truck contours

### 显示器 Operator display panel

- 高品质的控制仪表可清晰地显示重要的运行参数
- 16位微特角位置显示
- 电池电量显示与故障代码显示
- 选择工作模式
- 小时计
- 工时显示
- High quality meter displaying clearly the important operating data
- 160° steering angle position display
- Display of battery power and fault code
- Working mode selection
- Hour meter
- Labor hour display

### 标准配置 Standard configuration

AC行走电机  
AC起升电机  
AC转向电机  
ZAPH行走电机控制器  
ZAPH起升电机控制器  
电磁制动  
DC/DC转换器  
低噪声齿轮泵  
电磁比例阀  
530mm三节全自由门架  
整体式工作装置

AC travelling motor  
AC lifting motor  
AC steering motor  
ZAPH travelling motor controller  
ZAPH lifting motor controller  
ZAPH steering motor controller  
Electromagnetic brake  
DC/DC converter  
Low noise gear pump  
Electromagnetic proportional valve

标准货叉  
护顶架  
挡货架  
聚氨酯轮胎  
LED液晶仪表  
前工作灯  
警示灯  
转弯自动减速  
自动驻车制动  
随车工具

Standard fork  
Overhead guard  
Load backrest  
Polyurethane tire  
LED combined display  
Front work light  
LED warning light  
Automatic steering slow down device  
Automatic Parking brake  
Operator's tool kit

### 选用装置 Optional device

其他高度三节全自由门架  
其他长度货叉  
起升高度认证  
监控系统  
其他蓄电池  
德国HOPPECKER蓄电池组  
意大利FAAM蓄电池组  
蓄电池充电器  
顾客用户需求  
侧防护网

Three-stage full free lift mast (other lifting height)  
Fork extension  
Lifting height pre-selector  
Monitoring system  
Other battery  
Germany HOPPECKER battery  
Italy FAAM battery  
Battery charger  
Custom paint  
Operator protection guard

