

G2 系列 1.2-1.4t



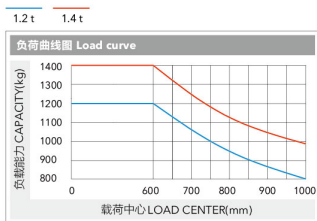
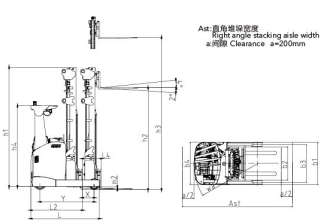
1.2-1.4t 宽视野三节自由门架 WIDE VIEW FULL FREE 3-STAGE MAST

门架型号 Mast model	最大起升高度 Max. lifting height (mm)	承载能力(载荷中心1500mm) Load capacity (load center 1500mm)(kg)		门架全高(mm) Mast overall height		自由起升高度(带挡货叉) Free lifting height (with load fork)(mm)		整车自重 Service weight(kg)		货叉倾角(前/后) Fork tilt angle (front/rear) α / β
		COD12	COD14	1.2-1.4t	1.2-1.4t	COD12	COD14	COD12	COD14	
ZSM460	4600	1200	1400	2314	1280	2914	3034	2914	3034	2°/4°
ZSM480	4800	1200	1400	2381	1340	2929	3049	2929	3049	2°/4°
ZSM540	5400	1200	1400	2581	1540	2971	3091	2971	3091	2°/4°
ZSM570	5700	1200	1400	2681	1640	2993	3113	2993	3113	2°/4°
ZSM630	6300	1200	1350	2881	1840	3037	3157	3037	3157	2°/4°
ZSM675	6750	1050	1250	2982	1940	3061	3181	3061	3181	2°/4°
ZSM700	7000	950	1200	3065	2030	3130	3250	3130	3250	2°/4°
ZSM715	7150	-	1150	3115	2080	-	3261	-	3261	2°/4°
ZSM750	7500	-	1100	3232	2190	-	3287	-	3287	2°/4°
ZSM800	8000	-	950	3398	2360	-	3325	-	3325	2°/4°

注:不带挡货叉时,自由起升高度为:4600至6300,自由起升高度增加175mm,其余高度增加25mm。  
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.

1.2-1.4t 宽视野基本型门架 WIDE VIEW MAST

门架型号 Mast model	最大起升高度 Max. lifting height (mm)	承载能力(载荷中心1500mm) Load capacity (load center 1500mm)(kg)		门架全高(mm) Mast overall height		整车自重 Service weight(kg)		货叉倾角(前/后) Fork tilt angle (front/rear) α / β
		COD12	COD14	1.2-1.4t	1.2-1.4t	COD12	COD14	
M290	2900	1200	1400	2200	2758	2878	2900	2°/4°
M320	3200	1200	1400	2350	2780	2900	2900	2°/4°
M360	3600	1200	1400	2550	2810	2930	2930	2°/4°
M380	3800	1200	1400	2650	2824	2944	2944	2°/4°
M400	4000	1200	1400	2750	2839	2959	2959	2°/4°
M420	4200	1200	1400	2850	2854	2974	2974	2°/4°
M440	4400	1200	1400	2950	2909	3029	3029	2°/4°
M460	4600	1200	1400	3050	2924	3044	3044	2°/4°
M500	5000	1100	1300	3250	2955	3075	3075	2°/4°



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,蓄电池操作周期时间最大延长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%.

注:竖轴表示承载量,横轴表示载荷中心。载荷中心是从货叉正方面计算,标准载荷的基本是指负载边长为1000毫米的立方体中心位置。当门架前倾、使用非标准货叉或载重超过正常高度的负载时,将会使承载量减少。通过负载曲线图,能及时了解门架在各种载荷中心时的承载能力。  
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.

注:蓄电池具体品牌及其容量大小,请咨询销售或技术人员。 NOTE: \*Detailed information about battery, please contact our salesmen or engineer.

制造商和技术参数 Manufacturer's Data and Design Characteristics

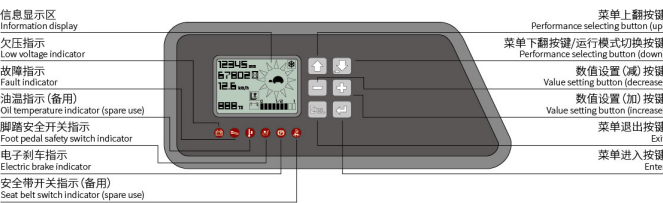
特性 Character		制造商 Manufacturer		HEU	
1.01	型号	COD12		COD14	
1.02	配置号	GC25		GC25	
1.03	额定起升能力	Q	kg	1200	1400
1.04	载荷中心距	Load center distance		400	
1.05	动力来源	Power mode		蓄电池 Battery	
1.07	驾驶方式	Driver mode		座驾 Seated	
1.08	轮轴	Wheel base	Y	mm	1385 1435
Type		Type		聚氨酯 Polyurethaneated	
2.01	轮胎类型	Wheels, number front/rear(x=driven wheels)		1x/2 1x/2	
2.02	轮胎(承载轮)	Track width/rear		986 986	
2.03	货叉调整宽度	Fork adjusting width		244-544 244-544	
2.04	承载轮尺寸	Wheel size rear		e325x95 e250x95	
2.05	驱动轮尺寸	Wheel size front		e343x114 e343x114	
尺寸		Size			
3.01	标准门架起升高度	Lift height	h3	mm	4600 4600
3.02	自由起升高度	Free lift	h2	mm	1280 1280
3.03	门架落地高度	Mast height/lowered	h1	mm	2314 2314
3.04	货叉尺寸 - 厚度/宽度/长度	Fork size, thickness-width-length	s/e/l	mm	40x122x1150 40x122x1150
3.05	货叉调整宽度	Fork adjusting width	L4	mm	244-544 244-544
3.06	货叉倾角(前/后)	Fork tilt angle(front/rear)	α / β	°	2°/4° 2°/4°
3.07	货叉侧移量	Fork side-shifting	mm	±55	±55
3.08	车体长度(不含货叉)	Truck body length(fork excluded)	L	mm	1760 1810
3.09	长度(货叉面至车后部距离)	Length (the distance from the fork face to rear frame)	L2	mm	1309 1359
3.10	车体宽度	Truck body width	b1/b4	mm	1130/1120 1130/1120
3.11	支脚间距	Distance between support arms	b2	mm	880 880
3.12	前移距离	Reach distance	L4	mm	509 504
3.13	护顶架高度	Height of overhead guard(cab)	h4	mm	2215 2215
3.14	最小离地间隙(门架处)	Ground clearance, below mast	m2	mm	75 75
3.15	最小转弯半径	Turning radius	Wa	mm	1625 1675
3.16	货叉前表面至承载轮中心距离	Load distance, centre of support arm wheel to face of fork	X	mm	313 312
3.17	直接堆垛宽度(托盘1200x1200,间距200)	Aisle width with pallet 1200x1200	Ast	mm	2891 2945
3.18	直角堆垛宽度(托盘1000x1200,间距200)1000沿货叉方向	Aisle width with pallet 1000x1200 lengthways	Ast	mm	2733 2787
性能		Performance			
4.01	行驶速度, 满负载	Travelling speed: with/without load	km/h	11/12	11/12
4.02	起升速度, 满负载	Lift speed: with/without load	m/s	0.38/0.58	0.36/0.56
4.03	下降速度, 满负载	Lowering speed: with/without load	m/s	0.5	0.5
4.04	前移速度, 满负载	Reach speed: with/without load	m/s	0.11/0.11	0.11/0.11
4.05	最大爬坡能力, 满负载	Maximum climbing ability: with/without load	%	10/15	10/15
重量		Weight			
5.01	整车重量(含蓄电池)	Total weight(with battery)	kg	2914	3034
5.02	空载重量	Empty weight	kg	1267/1467	1323/1711
5.03	空载桥壳重量	Aisle load, fork retracted, without load, front/rear	kg	1763/1151	1802/1232
5.04	满载桥壳重量	Aisle load, fork outreached, with load, front/rear	kg	601/3513	612/3822
5.05	满载桥壳重量	Aisle load, fork retracted, with load, front/rear	kg	1526/2588	1570/2864
蓄电池		Battery			
6.01	蓄电池电压/额定容量x5	Battery voltage/capacity x5	V/Ah	48/310	48/360
6.02	蓄电池重量	Battery weight	kg	590	610
6.03	蓄电池箱尺寸	Battery box dimension	mm	1035x295x784	1035x325x784
电机及控制		Motor and controller			
7.01	驱动电机功率	Drive motor power	kW	6	6
7.02	起升电机功率	Lifting motor power	kW	11	11
7.03	转向电机功率	Steering motor power	kW	0.4	0.4
7.04	驱动控制方式	Type of driving control		MOSFET/AC	
7.05	起升控制方式	Type of lifting control		MOSFET/AC	
7.06	转向控制方式	Type of steering control		MOSFET/AC	
7.07	变速箱	Transmission box		合力专用变速箱 HELI special transmission box	
7.08	液压系统工作压力	Hydraulic system working pressure	Mpa	17.5	17.5

HELI合力

HELI合力

可靠的专用仪表 Reliable special designed instrument

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.



标准配置 Standard configuration

标准配置 Standard configuration	选用装置 Optional
AC行走电机 AC travelling motor	其他高度三节自由门架 Three-stage full free lift mast (other lifting height)
AC起升电机 AC lifting motor	其他长度货叉 fork with other length
AC转向电机 AC steering motor	货叉套 Lift extension
ZAPI行走电机控制器 ZAPI travelling motor controller	起升高度预选器 Lifting height pre-selector
ZAPI起升电机控制器 ZAPI lifting motor controller	监控系统 Monitoring system
ZAPI转向电机控制器 ZAPI steering motor controller	倒车蜂鸣器 Reversing buzzer
DC/DC转换器 DC/DC converter	其他蓄电池 Other battery
低噪声齿轮泵 Low noisy gear pump	德国HOPECKER蓄电池组 Germany hopecker battery
四片碟 Control valve (four throw)	意大利FAM蓄电池 Italy FAM battery
4600mm三节自由门架 4600mm three-stage full free lift mast	蓄电池充电器 Battery charger
整体式侧移器 Integral sideshifter	客户定制颜色 Customer made color
标准货叉 Standard fork	蓄电池需求 Battery side pulling
挡货叉 Backrest	合力智能车队管理系统 HELI smart fleet management system
聚氨酯轮胎 Polyurethane tyre	
LED液晶仪表 LED meter	
前工作灯 Front working light	
警示灯 Warning light	
广角后视镜 Rearview mirror with wide view angle	
安全带 Safety belt	
蓝光灯 Blue warning light	

合力产品范围: 1-4吨内燃叉车, 1-5吨纯电动叉车, 前移式叉车, 托盘车, 堆垛车等仓储产品; AGV智能搬运车及系统解决方案; 注塑机, 举升机, 牵引车, 防坠车, 越野叉车, 装载机等多种化产品。

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\*本宣传资料仅供参考,不作为法律依据。  
\*Our products are subject to improvements and changes without notice.

1.2-1.4t  
G2系列座式前移式  
交流蓄电池叉车

G2 SERIES AC ELECTRIC  
REACH TRUCK-SIT-DOWN TYPE



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# G2 系列 / SERIES 1.2-1.4 t

## 三相交流电机技术 Three phase AC type motor technology

- 行驶、提升和转向均采用三相交流电机控制
- 强大的加速性
- 变换行驶方向灵敏迅速无迟滞
- 无碳刷的免维护电机寿命更长，维护费用更低，减速时进行能量回收，操作时间更长
- 最大空载行驶速度提高20%
- 最大满载行驶速度提高27%
- 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

## 全新的液压设计 Newly designed hydraulic system

- 全新的液压设计，使液压系统的工作效率更高
- 大功率的起升电机
- MOSFET起升调速电控
- 新型叉齿齿轮技术降低噪音齿轮廓差
- 最大空载起升速度提高15%
- 最大满载起升速度提高25%
- 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

## 更加优化的智能型设计 Optimized intelligent design

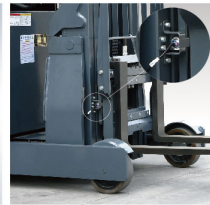
- ZAPI行走电机控制器
- ZAPI起升控制器
- ZAPI转向电机控制器
- CAN总线技术
- 主回路控制回路同时紧急断电
- ZAPI travelling motor controller
- ZAPI lifting motor controller
- ZAPI steering motor controller
- CAN bus technology
- Emergency power off of both main circuit and control circuit
- 坡度停车制动
- 操作顺序保护
- 行驶速度控制
- 电控自保护
- 提升高度认证 (选配)
- ZAPI travelling 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)

## 先进的EPS电子动力转向 Advanced EPS electric powered steering

- EPS电子动力转向，为整车提供了轻便灵活，高效静音的操作
- 转向电机控制器
- 自动对中功能
- 180度/360度两种转向模式，可实现实时切换
- 转向自动限制时速和加速度
- 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

## 操作轻便的拇指开关 Easy operated thumb switch

- 拇指开关可以控制所有液压功能
- 操作部件功能明确并且一目了然
- 比例电磁阀控制下降动作，平稳舒适
- To control hydraulic functions
- Clear operating units
- Proportional solenoid offering a stable and comfort lowering action



## 操作显示器 Displayer

- 高品质的控制仪表可显示绝大多数重要的运行数据
- 行驶方向和驱动轮角度显示
- 180°/360°转向模式显示
- 电瓶电量与故障代码显示
- 选择行驶模式
- 起升锁止指示
- 小时计
- 货叉高度显示 (选配)
- 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
- Fork height display (optional)

## 宽视野门架 Wide view mast

- 在负载方面拥有绝佳的视野
- 整体式侧移器
- 门架垂直，货叉倾斜
- 起升高位时，剩余载荷大
- 起升高度系列范围4600~8000mm
- 起升和下降过程缓冲
- 起升和下降极限缓冲
- 前移油缸实现缓冲
- Good view when loaded
- Integral sideshifter
- Mast vertical, fork tilt
- High residual load capacity at high lift height
- Lift height range:4600-8000mm
- Buffering during lifting and lowering
- Buffering when cylinder moving forward

## 护顶架 Overhead guard

- 顶部栏杆板方式使驾驶员有更宽阔的视野
- 前环梁倾斜式设计更符合人眼视觉角度
- Fence on top of the overhead guard offering driver wide view
- Beveled view angle design with front ring beam meeting humanized requirements

## 舒适的驾驶室 Comfort cab

- 舒适方便的座椅为驾驶员提供良好的工作环境并使得操作更轻松
- 重要操作部分均触手可及
- 座椅可调节 (座椅位置/靠背角度)
- Comfort cab offering driver good working environment and easy operation
- Easy reach to important operation
- Adjustable seat (seat position /backrest angle)

## 合力智能车队管理系统 (选配)

- 车辆定位
- 远程诊断
- 远程监控
- 维保提示
- 电池管理
- 统计报表
- 车辆管理
- 身份识别 (选配)
- 称重管理 (选配)
- 碰撞管理 (选配)
- Vehicle positioning
- Remote diagnosis
- Remote monitoring
- Maintenance reminder
- Battery management
- Statistical form
- Vehicle management
- Identification recognition (optional)
- Weight management (optional)
- Collision management (optional)

## HELI smart fleet management system (optional)

