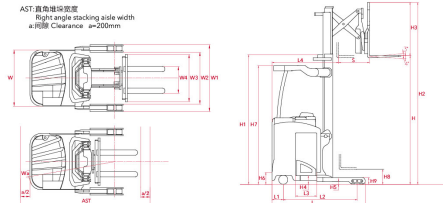


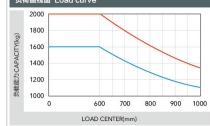
宽视野三节自由门架 WIDE VIEW FULL FREE 3-STAGE MAST

门架型号 Mast model	起升高度H1 Lifting height (mm)		自由起升高度H2 Free lifting height(mm)		门架最低高度H1 Mast height, lower(mm)		额定载重量 Load capacity(kg)		整车重量 Service weight(unload)	
	QDD16X1	QDD18X1	QDD16X1	QDD18X1	QDD16X1	QDD18X1	QDD16X1	QDD18X1	QDD16X1	QDD18X1
ZSM502	5025	5025	1390	1390	2426	2426	1600	1800	3345	3480
ZSM533	5330	5330	1490	1490	2526	2526	1600	1750	3365	3500
ZSM610	6095	6095	1745	1745	2781	2781	1600	1750	3435	3570
ZSM685	6855	6855	2000	2000	3036	3036	1100	1300	3485	3620
ZSM762	7620	7620	2285	2285	3321	3321	950	1100	3555	3690

AST:直角堆垛宽度
Right angle stacking side width
a:间距 Clearance a=200mm



负载曲线 Load curve



1.6T 1.8T

注: 竖轴表示负载, 横轴表示载荷中心。载荷中心是从货叉正上方计算起, 标准载荷的基点是距货叉前边长为1000毫米的立方体中心位置。当门架前倾, 标准载荷的基点会移至货叉前边距货叉前边距为1500毫米的立方体中心位置, 通过供曲线曲线, 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.

蓄电池单作业循环时间延长 **↑15%**
THE PERFORMANCE OF BATTERY INCREASES

能量再生技术 Renewable energy technologies

应用交流控制能量再生技术, 叉车更节能, 蓄电池单作业循环时间最大延长15%
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%.



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.

信息显示区
Information display

欠压指示
Low voltage indicator

故障指示
Fault indicator

控制器温度报警指示灯
Controller temperature indicator

脚踏安全关锁指示
Foot pedal safety switch indicator

驻车制动指示
Handbrake indicator

安全带关锁指示(备用)
Seat belt switch indicator (spare use)



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

菜单上翻按钮
Performance selecting button (up)

菜单下翻按钮/运行模式切换按钮
Performance selecting button (down)

数值设置(减)按钮
Value setting button (decrease)

数值设置(加)按钮
Value setting button (increase)

菜单进入按钮
Enter

菜单退出按钮
Exit



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* Our products are subject to improvements and changes without notice.

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400 180 0761

HELI
中国合力 提升未来
始于 1958

1.6-1.8t

G系列蓄电池伸缩式前移叉车

G SERIES AC ELECTRIC FORK REACH TRUCK

G series / 智能·环保 INTELLIGENT ENVIRONMENT-FRIENDLY

G series / 智能·环保 INTELLIGENT ENVIRONMENT-FRIENDLY

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

特性	Character		HELI	
Model	Manufacturer	Model	Manufacturer	Model
1.01 型号	Model	QDD16X1	QDD18X1	QDD18X1
1.03 配置号	Configuration number	GB2R	GB2R	GB2R
1.04 额定承载能力	Load capacity	Q	kg	1600
1.05 载荷中心距	Load center distance	C	mm	600
1.06 动力形式	Power mode	蓄电池 Battery		蓄电池 Battery
1.07 驱动方式	Driving mode	站驾 Stand-on		站驾 Stand-on
1.08 轴距	Wheel base	L2	mm	1407
2.01 轮胎类型	Type type	聚氨酯 Polyurethane		聚氨酯 Polyurethane
2.02 轮胎数量	Wheels	1x4/2	1x4/2	1x4/2
2.03 轮胎尺寸	Wheel size, load	mm	φ17x175	φ121x95
2.04 驱动轮尺寸	Wheel size, drive	mm	φ330x140	φ330x140
2.05 转向轮尺寸	Wheel size, steer	mm	φ178x76	φ178x76
Dimension				
3.01 整机升举高度	Lift height	H	mm	5330
3.02 自由升举高度	Free lift	H2	mm	1490
3.03 门架最低高度	Mast height, lowered	H1	mm	2526
3.04 货叉尺寸: 宽度/深度/长度	Fork size, thickness/width/length	mm	33x100x920	39x100x920
3.05 货叉调节宽度	Fork adjusting width	W4	mm	200-703
3.06 货叉倾角(前倾)	Tilt	°	37°4'	37°4'
3.07 货叉侧摆量	Fork side-swinging	mm	±50	±50
3.08 车体长度(不含货叉)	Truck body length(fork excluded)	L	mm	1815
3.09 车体宽度	Truck body width	W	mm	1090
3.10 支脚间距	Inside straddle width	W2	mm	845-1300
3.11 支脚外宽	Outside straddle width	W1	mm	1192-1492
3.12 货叉深度	Fork carriage width	mm	842	842
3.13 臂架距离	Reach distance	mm	600	600
3.14 护顶架高度	Height of overhead guard	H3	mm	2320
3.15 电池底壳离地间隙	Battery bottom clearance	H4	mm	180
3.16 支脚离地间隙	Straddle clearance	H5	mm	50
3.17 支脚高度	Strap height	H6	mm	130
3.18 上台阶高度	Step height	H4	mm	245
3.19 最小转弯半径	Minimum turning radius	Wa	mm	1695
3.20 驱动轮中心至车架后缘	Drive wheel center to truck body rear distance	L1	mm	252
3.21 货叉前缘至车架后缘	Fork front to truck body rear distance	L4	mm	1396
3.22 侧向转弯角度(托盘1200x1200W, 前驱2000)	Side turning angle (pallet 1200x1200W, front drive 2000)	At	mm	2817
3.23 侧向转弯角度(托盘1000x1000W, 前驱2000)	Side turning angle (pallet 1000x1000W, front drive 2000)	Ast	mm	2617
Performance				
4.01 行驶速度: 满空载	Traveling speed w/without load	km/h	10.5/11.8	10.5/11.8
4.02 起升速度: 满空载	Lifting speed w/without load	m/s	0.33/0.51	0.33/0.51
4.03 下降速度: 满空载	Lowering speed w/without load	m/s	0.5/0.5	0.5/0.5
4.04 爬坡速度: 满空载	Reach speed w/without load	m/s	0.11/0.15	0.11/0.15
4.05 最大爬坡度: 满空载	Maximum climb capability w/without load	%	10/15	10/15
Weight				
5.01 整车自重(含蓄电池)	Total weight(incl. battery)	kg	3250	3500
5.02 空载整车重量(含蓄电池)	Weight w/without load (incl. battery)	kg	1820/1830	2000/1500
5.03 空载整车重量(不含蓄电池)	Weight w/without load (excl. battery)	kg	1960/1290	2160/1340
5.04 满载整车重量(含蓄电池)	Weight w/full load (incl. battery)	kg	910/3940	1054/4185
5.05 满载整车重量(不含蓄电池)	Weight w/full load (excl. battery)	kg	1600/3250	1800/3450
Battery				
6.01 蓄电池电压/蓄电池容量(5小时放电率)	Battery voltage/capacity(5h)	V/Ah	36/775	36/930
6.02 蓄电池重量	Battery weight	kg	800	840
6.03 蓄电池尺寸	Battery box dimension	mm	985x367x88	985x415x88
Motor and controller				
7.01 驱动电机功率	Driving motor power	kw	7	7
7.02 起升电机功率	Lifting motor power	kw	1.5	1.5
7.03 转向电机功率	Steering motor power	kw	0.6	0.6
7.04 驱动控制方式	Type of driving control		MOFET/AC	MOFET/AC
7.05 起升控制方式	Type of lifting control		MOFET/AC	MOFET/AC
7.06 转向控制方式	Type of steering control		MOFET/AC	MOFET/AC
7.07 变速箱	Transmission box		合力专用 Heli special	合力专用 Heli special
7.08 行车制动	Service brake		电动/电气 Electrical	电动/电气 Electrical
7.09 液压系统工作压力	Hydraulic system working pressure	Mpa	21	21

注: 蓄电池规格及容量大小, 请向制造商技术人员。 NOTE: Detailed information about battery please contact our salesman or engineer.

1.6-1.8t

G系列蓄电池伸缩式前移叉车 G SERIES AC ELECTRIC FORK REACH TRUCK

整车优势

FEATURES OF THE COMPLETED TRUCK

舒适性 Comfortable

- ▶ 蓄电池侧取功能，满足不同用户的需求。
- ▶ 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。
- ▶ Side battery as option, easy replacement.
- ▶ Intelligent integration control handle, the operation is convenient and comfortable.
- ▶ Proportional hydraulic control, working more stable, more precise.
- ▶ Electronic power steering offering easy, flexible, high efficient and mute operation.
- ▶ Automatic centering function.

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。
- ▶ 驻车电液制动，可实现坡道和平地自动驻车功能。
- ▶ 五档独立制动系统。
- ▶ 释放加速手柄的电液再生制动。
- ▶ 松开脚踏开关启动制动。
- ▶ 踩出脚踏的驻车制动。
- ▶ 自动识别驻车制动。
- ▶ 紧急断电开关。
- ▶ Automatic deceleration on curved road, more intelligent and safe.
- ▶ Standard configuration of warning light and drive OPS system improve whole truck's safety.
- ▶ Magnetic brake on parking axle, the truck can automatic parking in slope or flat.
- ▶ Five independent braking systems.
- ▶ Current regenerative brake when releasing acceleration handle crank.
- ▶ Emergency brake activated by releasing foot switch.
- ▶ Parking brake activated by pressing button on the panel.
- ▶ Automatic activated Parking brake.
- ▶ Emergency switch.

G series / 智能·环保 INTELLIGENT ENVIRONMENT-FRIENDLY

作业效率 Working efficiency

- ▶ 转弯半径小，转向方便，机动灵活。
- ▶ 更小的负载轮，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。
- ▶ 三种速度选择功能，适应不同场合和工作状况。
- ▶ 强大的牵引能力，适应恶劣的装卸工作环境。
- ▶ 更高的高位承载能力和稳定性。
- ▶ Small turning radius makes steering flexible and easy.
- ▶ Smaller load wheel, can be directly into the bottom of the shelf.
- ▶ The truck has fast driving and lifting speed, higher working efficiency.
- ▶ Three speed mode, high performance.
- ▶ Larger battery capacity for longer single shift time.
- ▶ Better loading capacity and stability at high position.

节能降耗 Energy efficiency

- ▶ 全比例液压控制，更高效，更节能。
- ▶ 配置LED信号灯，灯光节能50%以上。
- ▶ 行走驱动为电机再生制动，回收更多的电能。
- ▶ 电子转向，更节能，作业效率更高。
- ▶ Proportional hydraulic system, the truck is more energy-efficient and has lower energy consumption.
- ▶ Save more than 80% lighting energy with LED lights.
- ▶ Motor regenerative braking can recycle more electric energy.
- ▶ Electronic steering, more efficient, higher work efficiency.

可维护性 Maintainability

- ▶ 车门打开简单，方便整车的检查和调试维修。
- ▶ 采用标准装卸式蹄盘，方便维修，节省费用。
- ▶ The door can be disassembled easily, contributes to quick and convenient maintenance.
- ▶ Outigger with boot type installation, convenient maintenance, cost saving.



视野门架和工作装置 Wide view mast and device

- ▶ 标配脚踏、倾斜、伸缩功能。
- ▶ 全新设计的视野门架和工作装置，伸出和收回过程中都可获得更理想的视野。
- ▶ 起升杆下降缓冲。
- ▶ 货叉端缓冲。
- ▶ Has side shift, tilt, and fork reach functions.
- ▶ Newly designed wide-view mast and working device, enlarges operator's view effectively when the forks backward and forward.
- ▶ Lifting and dropping down with processing buffer and end buffer.
- ▶ The forks backward with processing buffer and end buffer.

舒适的驾驶室 Comfort cab

- ▶ 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员的风险。
- ▶ 配有腰部及肘部支撑。
- ▶ 高低减震，舒适座椅。
- ▶ 可调节的身体免受车体的全面保护。
- ▶ Optimal step height, ensure the comfort and avoid the risk of pallet truck forks tip intrusion.
- ▶ Padded waist and arm supports.
- ▶ Cushioned floorboard for fatigue-reducing.
- ▶ The driver's body is fully protected within the truck contours.

标准配置 Standard configuration

AC 行走电机 AC travelling motor	AC 起升电机 AC lifting motor	AC 转向电机 AC steering motor	ZAPH 行走电机控制器 ZAPH travelling motor controller	ZAPH 起升电机控制器 ZAPH lifting motor controller	ZAPH 转向电机控制器 ZAPH steering motor controller	电磁制动 DC/DC 转换器 低噪音齿轮泵 电磁比例阀 5330mm 三节全自由门架	整体式工作装置 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 倒车工具	integral working device Standard fork Overhead guard Load backrest polyurethane tire LED combined display Front work light LED warning light Automatic steering slow down device Automatic parking Drive's tool
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护顶架 Overhead guard

- ▶ 大圆弧护顶架，合适高度的横杆，顶部板可开闭。
- ▶ 与车体精立式连接，缓冲卸物冲击。
- ▶ 无盲区立式，改善作业视野。
- ▶ Large arc shape of the overhead guard and grid tray with proper angle increase operator's upward view.
- ▶ Connected with car body suspension, shock buffering falling loads.
- ▶ Without front legs, improving work view.

显示器 Displayer

- ▶ 高品质的控制仪表盘可清晰地显示重要的运行参数。
- ▶ 180° 旋转角度位置。
- ▶ 电池电量情况与故障代码显示。
- ▶ 选择工作模式。
- ▶ 小时计。
- ▶ 工时显示。
- ▶ High quality meter displaying clearly the important operating data.
- ▶ 180° steering angle position display.
- ▶ Display of battery power and fault code.
- ▶ Working mode selection.
- ▶ Hour meter.
- ▶ Labor hour display.

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
- 蓄电池充电器
- 颜色用户需求
- 钢网护脚
- 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
- Customer made color
- Steel fence

