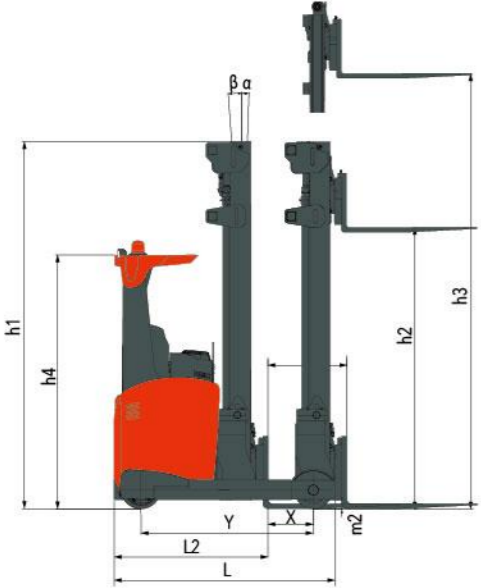
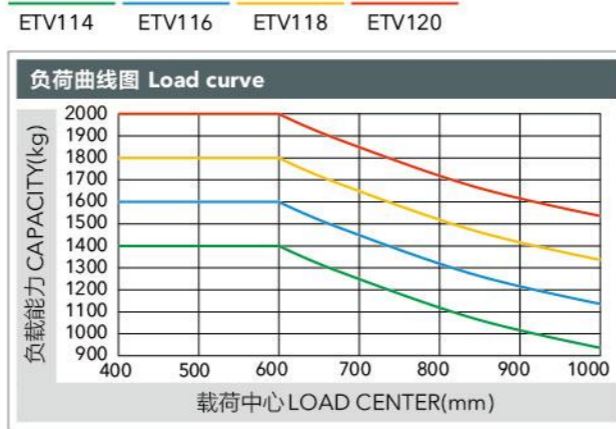
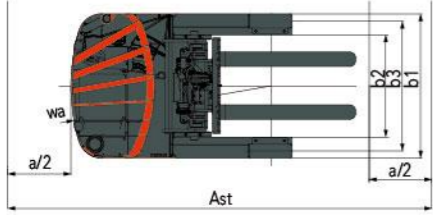


| 门架型号<br>Mast model | 起升高度 h3<br>Lifting height (mm) |                     | 自由起升高度 h2<br>Free lifting height (mm) |                     | 门架落地高度 h1<br>Mast height, lowered (mm) |                     | 额定起重重量①<br>Load capacity (kg) |         |         |         | 门架倾角(前后)<br>Mast tilt forward/backward<br>α/β |
|--------------------|--------------------------------|---------------------|---------------------------------------|---------------------|--|---------------------|-------------------------------|---------|---------|---------|---|
|                    | ETV114n/<br>ETV116n            | ETV118n/<br>ETV120n | ETV114n/<br>ETV116n                   | ETV118n/<br>ETV120n | ETV114n/<br>ETV116n                    | ETV118n/<br>ETV120n | ETV114n                       | ETV116n | ETV118n | ETV120n |   |
| ZSM500             | 5000                           | 5000                | 1700                                  | 1700                | 2200                                   | 2300                | 1400                          | 1600    | 1800    | 2000    | 1°/5°   |
| ZSM530             | 5300                           | 5300                | 1800                                  | 1800                | 2300                                   | 2400                | 1400                          | 1600    | 1800    | 2000    | 1°/5°   |
| ZSM590             | 5900                           | 5900                | 2000                                  | 2000                | 2500                                   | 2600                | 1400                          | 1560    | 1800    | 2000    | 1°/3°   |
| ZSM620             | 6200                           | 6200                | 2100                                  | 2100                | 2600                                   | 2700                | 1400                          | 1520    | 1800    | 2000    | 1°/3°   |
| ZSM650             | 6500                           | 6500                | 2200                                  | 2200                | 2700                                   | 2800                | 1400                          | 1480    | 1650    | 1850    | 0.5°/2°                                       |
| ZSM680             | 6800                           | 6800                | 2300                                  | 2300                | 2800                                   | 2900                | 1400                          | 1440    | 1650    | 1850    | 0.5°/2°                                       |
| ZSM710             | 7100                           | 7100                | 2400                                  | 2400                | 2900                                   | 3000                | 1340                          | 1400    | 1650    | 1850    | 0.5°/2°                                       |
| ZSM770             | 7700                           | 7700                | 2600                                  | 2600                | 3100                                   | 3200                | 1100                          | 1300    | 1550    | 1600    | 0.5°/1°                                       |
| ZSM842             | 8420                           | 8420                | 2840                                  | 2840                | 3340                                   | 3440                | 990                           | 1190    | 1450    | 1500    | 0.5°/1°                                       |
| ZSM902             | 9020                           | 9020                | 3040                                  | 3040                | 3540                                   | 3640                | 750                           | 900     | 1350    | 1400    | 0.5°/1°                                       |

注①: 额定起重重量根据蓄电池容量大小而定, 请咨询销售或技术人员。  
NOTE: ①: Detailed information about load capacity, please contact our salesmen or engineer.



Ast: 直角堆垛宽度  
Right angle stacking aisle width  
a: 间隙 Clearance a=200mm



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面计算起, 标准载荷的基点是指负荷边长为1000毫米的立方体中心位置。当门架前倾、使用非标准货叉或装载超过正常宽度的负荷时, 将会使承载量减少。通过负荷曲线图, 能及时地了解标准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.



### 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%.

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

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

| 特性<br>Character   | 永恒力 Jungheinrich           |                  |             |                     |
|---|----------------------------|------------------|-------------|---------------------|
| 特性<br>Character   | 永恒力 Jungheinrich           |                  |             |                     |
| 1.01 制造商<br>Manufacturer  | 永恒力 Jungheinrich           |                  |             |                     |
| 1.02 型号<br>Model  | ETV                        |                  |             |                     |
| 1.03 配置号<br>Configuration number  | 114n 116n 118n 120n        |                  |             |                     |
| 1.04 额定承载能力<br>Load capacity  | Q                          | kg               | 1400        | 1600 1800 2000      |
| 1.05 载荷中心距<br>load center distance  | C                          | mm               | 600         |                     |
| 1.06 动力形式<br>Power mode   | 蓄电池 Battery                |                  |             |                     |
| 1.07 驾驶方式<br>Driving mode   | 座驾式 Seated                 |                  |             |                     |
| 1.08 轴距<br>Wheel base   | Y                          | mm               | 1410        | 1468 1560 1586      |
| 轮胎<br>Tyre  |                            | 聚氨酯 Polyurethane |             |                     |
| 2.01 轮胎类型<br>Tyre type  | 聚氨酯 Polyurethane           |                  |             |                     |
| 2.02 轮胎数量, 驱动轮/承重轮 (x=驱动轮)<br>Wheels, number front/rear (x=driven wheels)         | 1x/2                       |                  |             |                     |
| 2.03 轮距 (承重轮)<br>Track width, rear  | b3                         | mm               | 1136        |                     |
| 2.04 承载轮尺寸<br>Wheel size, rear  | mm                         | φ285x100         |             |                     |
| 2.05 驱动轮尺寸<br>Wheel size, front   | mm                         | φ343x114         |             |                     |
| 尺寸<br>Size  |                            |                  |             |                     |
| 3.01 标准门架起升高度<br>Lift height  | h3                         | mm               | 5000        |                     |
| 3.02 自由起升高度<br>Free lift  | h2                         | mm               | 1242        |                     |
| 3.03 门架落地高度<br>Mast height, lowered   | h1                         | mm               | 2300        | 2300 2400 2400      |
| 3.04 货叉尺寸, 厚度/宽度/长度<br>Fork size: thickness×width×length                          | s/e/l                      | mm               | 40x122x1150 |                     |
| 3.05 货叉调节宽度<br>Fork adjusting width   | mm                         | 335~709          |             |                     |
| 3.06 门架倾角 (前后)<br>Mast tilt angle (front/rear)                                    | α/β                        | 1°/5°            |             |                     |
| 3.07 货叉侧移量<br>Fork sideshifting   | mm                         | ±70              |             |                     |
| 3.08 车体长度 (不含货叉)<br>Truck body length (fork excluded)                             | L                          | mm               | 1792        | 1842 1942 1942      |
| 3.09 车体宽度<br>Truck body width   | b1                         | mm               | 1270        | 1270 1270 1270      |
| 3.10 支腿内宽<br>Distance between support arms  | b2                         | mm               | 932         | 932 932 932         |
| 3.11 前移距离<br>Reach distance   | l4                         | mm               | 622         | 600 700 700         |
| 3.12 护顶架高度<br>Height of overhead guard (cab)                                      | h4                         | mm               | 2265        | 2265 2265 2265      |
| 3.13 最小离地间隙 (门架处)<br>Ground clearance, below mast                                 | m2                         | mm               | 80          | 80 80 80            |
| 3.14 最小转弯半径<br>Turning radius   | Wa                         | mm               | 1613        | 1705 1775 1775      |
| 3.15 货叉前缘至承载轮中心距<br>Load distance, centre of support arm wheel to face of forks   | x                          | mm               | 355         | 385 455 455         |
| 3.16 直角堆垛宽度 (托盘800x1200, 沿货叉)<br>Aisle width for pallets 800x1200 lengthways      | Ast                        | mm               | 2692        | 2810 2862 2862      |
| 3.17 直角堆垛宽度 (托盘1000x1200, 跨货叉)<br>Aisle width for pallets 1000x1200 crossways     | Ast                        | mm               | 2650        | 2760 2815 2815      |
| 性能<br>Performance   |                            |                  |             |                     |
| 4.01 行驶速度, 满/空载<br>Travelling speed: with/without load                            | km/h                       | 10/10            | 10/10       | 10/10               |
| 4.02 起升速度, 满/空载<br>Lifting speed: with/without load                               | m/s                        | 0.37/0.65        | 0.33/0.6    | 0.33/0.6            |
| 4.03 下降速度, 满/空载<br>Lowering speed: with/without load                              | m/s                        | 0.5/0.35         | 0.48/0.35   | 0.45/0.38           |
| 4.04 前移速度, 满/空载<br>Reach speed, with/without load                                 | m/s                        | 0.2/0.2          | 0.2/0.2     | 0.2/0.2             |
| 4.05 最大爬坡能力, 满/空载<br>Maximum climbing ability, with/without load                  | %                          | 10/15            | 10/15       | 10/15               |
| 重量<br>Weight  |                            |                  |             |                     |
| 5.01 整车自重② (含蓄电池)<br>Total weight (with battery)                                  | kg                         | 2950             | 3070        | 3960 4030           |
| 5.02 空载桥负荷, 驱动轮/承重轮 (货叉后移)<br>Axle load, fork retracted, without load, front/rear | kg                         | 1770/1180        | 1842/1228   | 1932/1568 1984/1586 |
| 5.03 满载桥负荷, 驱动轮/承重轮 (货叉前移)<br>Axle load, fork outreach, with load, front/rear     | kg                         | 522/3828         | 560/4110    | 1009/4291 958/4612  |
| 5.04 满载桥负荷, 驱动轮/承重轮 (货叉后移)<br>Axle load, fork retracted, with load, front/rear    | kg                         | 1566/2784        | 1681/2989   | 1765/3535 1798/3772 |
| 蓄电池<br>Battery  |                            |                  |             |                     |
| 6.01 蓄电池电压/额定容量 (5小时放电)<br>Battery voltage/capacity 5h                            | V/Ah                       | 48/465           |             | 48/620              |
| 6.02 蓄电池重量<br>Battery weight  | kg                         | 861              |             | 1054                |
| 6.03 蓄电池箱体尺寸<br>Battery box dimension   | mm                         | 1220x280x784     |             | 1220x352x784        |
| 电机及控制<br>Motor and controller   |                            |                  |             |                     |
| 7.01 驱动电机功率<br>Drive motor power  | kW                         | 6.9              |             |                     |
| 7.02 起升电机功率<br>Lifting motor power  | kW                         | 10               |             |                     |
| 7.03 转向电机功率<br>Steering motor power   | kW                         | 0.9              |             |                     |
| 7.04 驱动控制方式<br>Type of driving control  | MOSFET/AC                  |                  |             |                     |
| 7.05 起升控制方式<br>Type of Lifting control  | MOSFET/AC                  |                  |             |                     |
| 7.06 转向控制方式<br>Type of Steering control   | MOSFET/AC                  |                  |             |                     |
| 制动方式及工作压力<br>Brake and operating pressure   |                            |                  |             |                     |
| 8.01 行车制动<br>Service brake  | 电磁制动 Electromagnetic brake |                  |             |                     |
| 8.02 属具工作压力<br>Operating pressure for attachments                                 | Mpa                        | 15               |             |                     |

注②: 蓄电池品牌及其容量大小, 请咨询销售或技术人员。

NOTE②: \*Detailed information about battery, please contact our salesmen or engineer.

HELI

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                             | 选用装置 Optional device  |
|---|---|
| AC行走电机<br>AC travelling motor                           | 其他高度三节全自由门架<br>Three-stage full free lift mast (other lifting height) |
| AC起升电机<br>AC lifting motor                              | 其他长度货叉<br>Fork with other length                                      |
| AC转向电机<br>AC steering motor                             | 密码锁启动<br>Pin-code   |
| 电磁制动<br>Electromagnetic brake                           | 冷库改装<br>Cold store  |
| 5000mm三节全自由门架<br>5000mm three stage full free lift mast | 负载轮护罩<br>Load wheel cover   |
| 整体式侧移器<br>Integral sideshifter                          | 监控系统<br>Monitoring system   |
| 标准货叉<br>Standard fork                                   | 球面后视镜<br>Rearview mirror  |
| 聚氨酯轮胎<br>Polyurethane tyre                              | 蓄电池侧拉<br>Battery side pull  |
| LED液晶仪表<br>LED meter                                    | 行驶减速控制<br>Drive control   |
| 电池电量显示<br>Residual time display with on-board battery   | 360° 转向<br>360° steering mode   |
| 前工作灯<br>Front working light                             | 货叉倾斜<br>Fork tilt   |
| 单功能集成手柄<br>Solo-pilot                                   | 其他蓄电池<br>Other battery  |
| 龟速开关<br>Slow travel switch                              |   |
| 钥匙开关<br>Key switch                                      |   |
| 弯道行驶减速控制<br>Curve control                               |   |
| 180° 转向<br>180° steering mode                           |   |
| 制动能量回收<br>Energy recovery during braking                |   |
| 门架倾斜<br>Mast tilt                                       |   |



HELI 安徽合力股份有限公司  
ANHUI HELI CO., LTD.

地址: 中国合肥经开区方兴大道668号  
ADD: NO. 668 Fangxing Street, Economic & Development Zone, Hefei, P.R. China  
电话: (86 551)63639068, 63639258, 63639358  
TEL: (86 551)63639068, 63639258, 63639358  
传真: (86 551)63639966  
FAX: (86 551)63639966  
网址: http://www.helichina.com  
WEBSITE: http://www.helichina.com  
服务: 400 160 0761  
400 SERVICE: 400 160 0761

授权经销商 AUTHORIZED DEALER

\* 本公司保留更改产品设计和规格的权利, 恕不另行通知。  
\* Our products are subject to improvements and changes without notice.

