

ETV114n-120n

座式前移式交流蓄电池叉车

AC ELECTRIC reach truck-sit-down type

» 整车优势 FEATURES OF THE COMPLETED TRUCK

高效的三相交流电机技术

More efficient with 3-phase AC technology

- 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，维护费更低
- 当减速时能进行能量回收，因此操作时间更长
- Powerful acceleration
- Fast reversing without delay
- High availability through maintenance-free motors without carbon brushes
- Longer operating times due to energy reclamation on reducing the travel speed

高性能的门架

High performance mast

- 在负载下拥有绝佳的视野
- 整体式侧移
- 提升高度高而门架高度低
- 高质量零部件保证了超长的使用寿命
- 在高处时，剩余载荷仍然很大
- 配备门架倾仰且最大提升高度可达9020mm
- Excellent visibility towards the load
- Integrated side shift
- Lowest closed mast height with high lift heights
- Extremely long service life due to high quality mast profiles
- High residual capacities up to high lift heights
- Lift heights up to 9020mm with mast tilt

卓越的整机性能

Excellent performance truck

- 紧凑型车体设计提高驾驶的灵活性
- 弯道控制技术确保了高度的操作安全性
- Improved manoeuvrability through compact chassis design
- High operating safety with Curve Control

人体工学设计座舱

Ergonomic cab

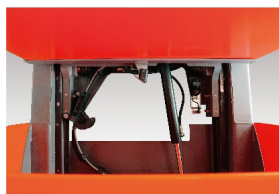
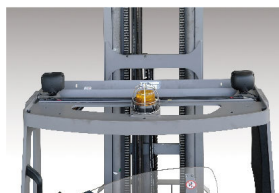
- 座椅可调（座椅位置/靠背角度/体重）以适应不同的操作者
- 更多的储物空间
- 所有重要操作部件皆可直接控制
- 更多自由空间
- 三相交流转向控制（180°/360° 转向可选）
- 方向盘水平/垂直位置调节
- Comfortable seat with adjustment options (sitting position/backrest/boby weight) for every operator
- Various storage facilities
- The important operating functions are easily accessible without reaching round
- Generous space
- 3-phase AC steering (180° or as an option 360°) with stress-free steering wheel position
- Horizontal/vertical steering wheel adjustment



分立式控制手柄

Effortless operation with SOLO-PILOT

- 所有的操作功能一目了然
- 增加的属具，如货叉调距（选配），也通过分立式手柄进行操作
- 灵敏的控制系统实现精确操作
- 手柄可调节使得操作更舒适
- All operating functions are in view
- Additional attachments, such as fork spreaders (optional), are also easily controlled with the SOLO-PILOT
- Precise operation through sensitive control of all functions
- Comfortable working position with adjustable armrest



清晰简单的操作显示器

Easily read operator display

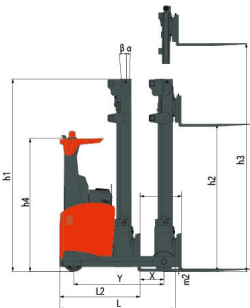
- 行驶方向和驱动轮位置显示
- 180°/360° 转向模式显示
- 电量电瓶与剩余操作时间显示
- 三种行驶程序可调
- 累计工时和时钟显示
- 高度显示（选配）
- Travel direction display of important operating information
- 180°/360° steering mode
- Battery discharge display with residual running time
- Three adjustable travel programs to suit every requirement
- Operating hours and time
- Lift height (optional)



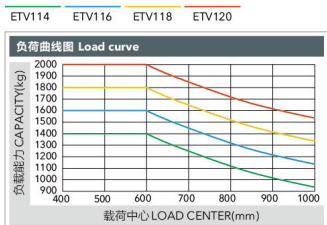
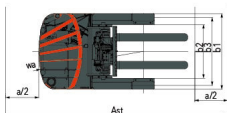
宽视野三节全自由门架 WIDE VIEW FULL FREE 3-STAGE MAST

门架型号 Mast model	起升高度 h3 Lifting height (mm)		自由起升高度 h2 Free lifting height (mm)		门架落地高度 h1 Mast height, lowered (mm)		额定起重重量 Load capacity (kg)				门架倾角(前/后) Mast tilt forward/backward α/β
	ETV114n/ETV116n	ETV118n/ETV120n	ETV114n/ETV116n	ETV118n/ETV120n	ETV114n/ETV116n	ETV118n/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。
NOTE1: Detailed information about load capacity, please contact our salesmen or engineer.



As: 直角堆垛强度
Right angle stacking aisle width
a: 间距 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对称起, 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 Character	制造商 Manufacturer	永恒力 Jungheinrich
1.01 制通/商 Model		ETV
1.02 型号 Configuration number		114n 116n 118n 120n
1.03 额定承载能力 Load capacity	Q	1400 1600 1800 2000
1.04 载荷中心距 load center distance	C	600
1.05 载重中心距 Power mode		蓄电池 Battery 座驾式 Seated
1.06 驱动方式 Driving mode		Wheel base
1.07 轴距 Wheel base	Y	1410 1468 1560 1586
1.08 轮胎 Tyre		聚氨酯 Polyurethane
2.01 轮胎类型 Type type		1x2
2.02 轮胎数量, 驱动轮/承重轮 (x=驱动轮) Wheels, number front/rear (x=driven wheels)		1136
2.03 轴距 (承重轮) Track width, rear	b3	mm
2.04 承载轮尺寸 Wheel size, rear		mm
2.05 驱动轮尺寸 Wheel size, front		mm
尺寸 Size		
3.01 标准门架起升高度 Lift height	h3	mm
3.02 自由起升高度 Free lift	h2	mm
3.03 门架落地高度 Mast height, lowered	h1	mm
3.04 货叉尺寸, 厚度/宽度/长度 Fork size: thickness*width*length	s/e/l	mm
3.05 货叉调节宽度 Fork adjusting width		mm
3.06 门架倾角 (前/后) Mast tilt angle (front/rear)	α/β	mm
3.07 货叉侧移量 Fork sideshifting		mm
3.08 车体长度 (不含货叉) Truck body length (fork excluded)	L	mm
3.09 车体宽度 Truck body width	b1	mm
3.10 支腿内宽 Distance between support arms	b2	mm
3.11 前移距离 Reach distance	l4	mm
3.12 护顶架高度 Height of overhead guard (cab)	h4	mm
3.13 最小离地间隙 (门架处) Ground clearance, below mast	m2	mm
3.14 最小转弯半径 Turning radius	Wa	mm
3.15 货叉前表面至承重轮中心距 Load dsance, centre of support arm wheel to face of forks	x	mm
3.16 直角堆垛宽度 (托盘1000x1200, 沿货叉) Aisle width for pallets 800x1200 lengthways	As1	mm
3.17 直角堆垛高度 (托盘1000x1200, 跨货叉) Aisle width for pallets 1000x1200 crossways	As2	mm
性能 Performance		
4.01 行驶速度, 满负载 Travelling speed: with/without load	km/h	10/10 10/10 10/10 10/10
4.02 起升速度, 满负载 Lifting speed: with/without load	m/s	0.37/0.45 0.33/0.4 0.33/0.6 0.33/0.6
4.03 下降速度, 满负载 Lowering speed: with/without load	m/s	0.5/0.35 0.48/0.35 0.45/0.38 0.44/0.38
4.04 前移速度, 满负载 Reach speed: with/without load	m/s	0.2/0.2 0.2/0.2 0.2/0.2 0.2/0.2
4.05 最大爬坡度, 满负载 Maximum climbing ability, with/without load	%	10/15 10/15 10/15 10/15
重量 Weight		
5.01 整车自重 (含蓄电池) 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) 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) Axle load, fork outreached, 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) Axle load, fork retracted, with load, front/rear	kg	1566/2784 1681/2989 1765/3535 1798/3772
蓄电池 Battery		
6.01 蓄电池电压/额定容量 (5小时放电) Battery voltage/capacity 5h	V/Ah	48/465 48/620
6.02 蓄电池重量 Battery weight	kg	861 1054
6.03 蓄电池箱体尺寸 Battery box dimension	mm	1220x280x784 1220x352x784
电机及控制 Motor and controller		
7.01 驱动电机功率 Drive motor power	kW	6.9
7.02 起升电机功率 Lifting motor power	kW	10
7.03 转向电机功率 Steering motor power	kW	0.9
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
制动方式及工作压力 Brake and operating pressure		
8.01 行车制动 Service brake		电磁制动 Electromagnetic brake
8.02 属具工作压力 Operating pressure for attachments	Mpa	15

注2: 蓄电池具体品牌及其容量大小, 请咨询销售或技术人员。

NOTE 2: *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

AC行走电机
AC travelling motor
AC起升电机
AC lifting motor
AC转向电机
AC steering motor
电磁制动
Electromagnetic brake
5000mm三节全自由门架
5000mm three stage full free lift mast
整体式侧移器
Integral sideshifter
标准货叉
Standard fork
聚氨酯轮胎
Polyurethane tyre
LED液晶仪表
LED meter
电池电量显示
Residual time display with on-board battery
前工作灯
Front working light
单功能集成手柄
Solo-pilot
车速开关
Slow travel switch
钥匙开关
Key switch
弯道行驶减速控制
Curve control
180°转向
180° steering mode
制动能量回收
Energy recovery during braking
门架倾斜
Mast tilt

选装装置 Optional device

其他高度三节全自由门架
Other lifting height
其他长度货叉
Fork with other length
密码启动
Pin-code
冷库改装
Cold store
负载轮护罩
Load wheel cover
监控系统
Monitoring system
球面后视镜
Rearview mirror
蓄电池侧拉
Battery side pull
行驶减速控制
Drive control
360°转向
360° steering mode
货叉倾斜
Fork tilt
其他蓄电池
Other battery



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