

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，维护费用低
- > 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

- > 在负载方向拥有绝佳的视野
- > 整体式侧移
- > 提升高度高而闭合门架高度低
- > 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
- > 配备门架倾斜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

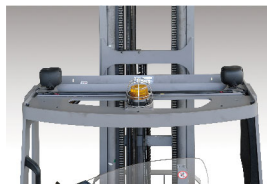
Excellent performance truck

- > 紧凑的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/body 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

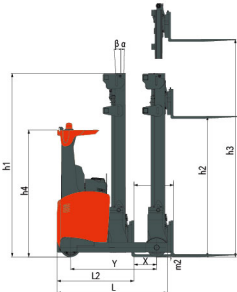
Easily read operator display

- > 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)

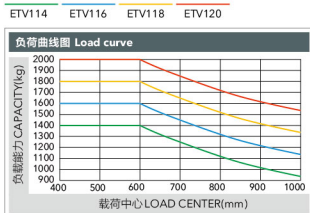
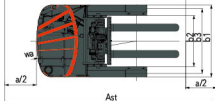


宽视野三节全自由门架 WIDE VIEW FULL FREE 3-STAGE MAST											
门架型号 Mast model	起升高度 h3 Lifting height (mm)	自由起升高度 h2 Free lifting height (mm)	门架落地高度 h1 Mast height, lowered (mm)	额定起重重量 ¹⁾ Load capacity (kg)			门架倾角(前/后) Mast tilt (forward/backward)				
	ETV114n/ETV116n	ETV118n/ETV120n	ETV114n/ETV116n	ETV118n/ETV120n	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: 额定起重重量指蓄电池电量大小而定, 请咨询销售或技术人员。
NOTE: Detailed information about load capacity, please contact our salesmen or engineer.



As1: 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中心算起, 标准载荷的基点是指货叉边长为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高度的负荷时, 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 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 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长延长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	Character	Character	Character	Character
1.01 制造商 Manufacturer	永恒力 Jungheinrich	永恒力 Jungheinrich	永恒力 Jungheinrich	永恒力 Jungheinrich
1.02 型号 Model	ETV	ETV	ETV	ETV
1.03 配置号 Configuration number		114n	116n	118n
1.04 额定承载能力 Load capacity	Q	kg	1400	1600
1.05 载荷中心距 Load center distance	C	mm	600	1800
1.06 货叉形式 Power mode			600	1800
1.07 驱动方式 Driving mode			600	1800
1.08 轴距 Wheel base	Y	mm	1410	1468
1.09 轮胎类型 Type type			1410	1468
2.01 轮胎数量 Wheels, number front/rear (x-driven wheel)			1410	1468
2.02 轮胎尺寸 Track width, rear	b3	mm	1410	1468
2.03 轮胎尺寸 Wheel size, rear			1410	1468
2.04 轮胎尺寸 Wheel size, front			1410	1468
2.05 轮胎尺寸 Wheel size, front			1410	1468
3.01 标准门架起升高度 Lift height	h3	mm	5000	5000
3.02 自由起升高度 Free lift	h2	mm	1242	1242
3.03 门架落地高度 Mast height, lowered	h1	mm	2300	2300
3.04 门架尺寸, 厚度/宽度/长度 Fork size: thickness x width x length	s/e/l	mm	40x122x1150	40x122x1150
3.05 货叉调节宽度 Fork adjusting width		mm	335-709	335-709
3.06 门架倾角 (前/后) Mast tilt angle (front/rear)	α/β	°	1°/5°	1°/5°
3.07 货叉侧移量 Fork sideshifting		mm	±70	±70
3.08 车体长度 (不含货叉) Truck body length (fork excluded)	L	mm	1792	1842
3.09 车体宽度 Truck body width	b1	mm	1270	1270
3.10 支腿间距 Distance between support arms	b2	mm	932	932
3.11 前移距离 Reach distance	I4	mm	622	600
3.12 护顶架高度 Height of overhead guard (cab)	h4	mm	2265	2265
3.13 最小离地间隙 (门架处) Ground clearance, below mast	m2	mm	80	80
3.14 最小转弯半径 Turning radius	Wa	mm	1613	1705
3.15 货叉前缘至承载轮中心距 Load distance, centre of support arm wheel to face of forks	x	mm	355	385
3.16 直角堆垛宽度 (托盘800x1200, 沿货叉) Aisle width for pallets 800x1200 lengthways	As1	mm	2692	2810
3.17 直角堆垛宽度 (托盘1000x1200, 跨货叉) Aisle width for pallets 1000x1200 crossways	As2	mm	2650	2760
4.01 行驶速度, 满负载 Travelling speed: with/without load		km/h	10/10	10/10
4.02 起升速度, 满负载 Lifting speed: with/without load		m/s	0.37/0.65	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
4.04 前进速度, 满负载 Reach speed: with/without load		m/s	0.2/0.2	0.2/0.2
4.05 最大爬升能力, 满负载 Maximum climbing ability: with/without load		%	10/15	10/15
5.01 整车重量2 (含蓄电池) Total weight (with battery)		kg	2950	3070
5.02 空载桥负荷, 驱动轮/承重轮 (货叉前移) Aisle load: fork retracted, without load, front/rear		kg	1770/1180	1842/1228
5.03 满载桥负荷, 驱动轮/承重轮 (货叉前移) Aisle load: fork outreached, with load, front/rear		kg	522/3828	560/4110
5.04 满载桥负荷, 驱动轮/承重轮 (货叉后移) Aisle load: fork retracted, with load, front/rear		kg	1566/2784	1681/2989
6.01 蓄电池电压/额定容量 (5小时放电) Battery voltage/capacity	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
7.01 驱动电机功率 Drive motor power	kW		6.9	6.9
7.02 起升电机功率 Lifting motor power	kW		10	10
7.03 转向电机功率 Steering motor power	kW		0.9	0.9
7.04 驱动控制方式 Type of driving control			MOSFET/AC	MOSFET/AC
7.05 起升控制方式 Type of lifting control			MOSFET/AC	MOSFET/AC
7.06 转向控制方式 Type of steering control			MOSFET/AC	MOSFET/AC
8.01 制动方式及工作压力 Brake and operating pressure			电磁制动 Electromagnetic brake	电磁制动 Electromagnetic brake
8.02 属具工作压力 Operating pressure for attachments	Mpa		15	15

注2: 蓄电池具体容量及其额定容量, 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	选用装置 Optional device
AC行走电机 AC lifting motor	其他高度三节全自由门架 Three-stage full free lift mast (other lifting height)
AC转向电机 AC steering motor	其他长度货叉 Fork with other length
电磁制动 Electromagnetic brake	密码启动 Pin-code
5000mm三节全自由门架 5000mm three stage full free lift mast	冷冲叉架 Cold store
整体式侧移器 Integral sideshifter	负载轮护罩 Load wheel cover
标准货叉 Standard fork	监控系统 Monitoring system
聚氨酯轮胎 Polyurethane tyre	球面后视镜 Rearview mirror
LED液晶仪表 LED meter	蓄电池侧拉 Battery side pull
电池电量显示 Residual time display with on-board battery	行驶减速控制 Drive control
前工作灯 Front working light	360° 转向 360° steering mode
多功能集成手柄 Solo-pilot	货叉倾斜 Fork tilt
电液开关 Slow travel switch	其他蓄电池 Other battery
钥匙开关 Key switch	
零速行驶减速控制 Curve control	
180° 转向 Energy recovery during braking	
制动能量回收 Mast tilt	



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