

ETV114n-120n

AC ELECTRIC reach truck sit-down type

FEATURES OF THE COMPLETED TRUCK

More efficient with 3-phase AC technology

- > 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

High performance mast

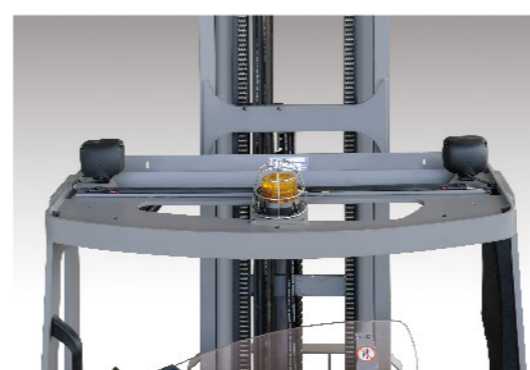
- > Excellent visibility towards the load
- > Integrated side shift
- > Lowest closed mast height with high lift heights
- > Extremely long service life due to high quality mast profiles
- > High residual capacities up to high lift heights
- > Lift heights up to 9020mm with mast tilt

Excellent performance truck

- > Improved manoeuvrability through compact chassis design
- > High operating safety with Curve Control

Ergonomic cab

- > 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



Effortless operation with SOLO-PILOT

- > 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

Easily read operator display

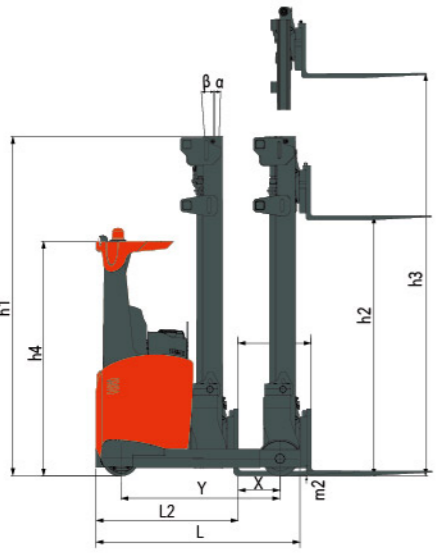
- > Travel direction display of important operating information
- > 180°/360° steering mode
- > Battery discharge display with residual running time
- > Three adjustable travel programs to suit every requirement
- > Operating hours and time
- > Lift height (optional)



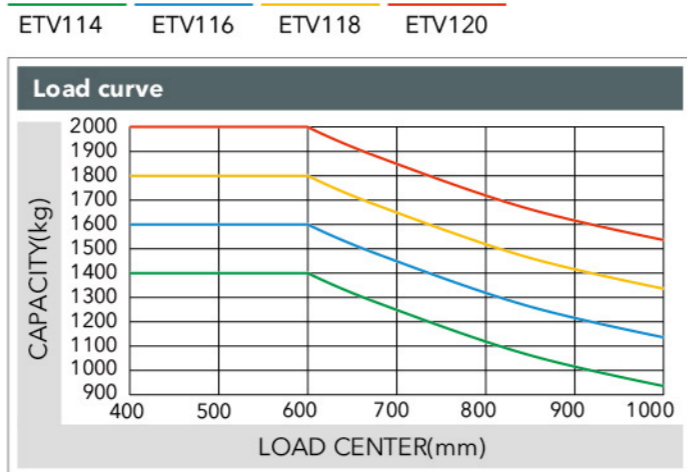
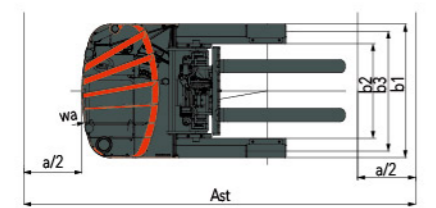
WIDE VIEW FULL FREE 3-STAGE MAST

Mast model	Lifting height (mm) h3			Free lifting height (mm) h2			Mast height, lowered (mm) h1			Load capacity (kg) ①				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	5000	1700	1700	1700	2200	2300	2300	1400	1600	1800	2000	1°/5°
ZSM530	5300	5300	5300	1800	1800	1800	2300	2400	2400	1400	1600	1800	2000	1°/5°
ZSM590	5900	5900	5900	2000	2000	2000	2500	2600	2600	1400	1560	1800	2000	1°/3°
ZSM620	6200	6200	6200	2100	2100	2100	2600	2700	2700	1400	1520	1800	2000	1°/3°
ZSM650	6500	6500	6500	2200	2200	2200	2700	2800	2800	1400	1480	1650	1900	0.5°/2°
ZSM680	6800	6800	6800	2300	2300	2300	2800	2900	2900	1400	1440	1650	1900	0.5°/2°
ZSM710	7100	7100	7100	2400	2400	2400	2900	3000	3000	1340	1400	1650	1900	0.5°/2°
ZSM770	7700	7700	7700	2600	2600	2600	3100	3200	3200	1100	1300	1550	1700	0.5°/1°
ZSM842	8420	8420	8420	2840	2840	2840	3340	3440	3440	990	1190	1450	1600	0.5°/1°
ZSM902	9020	9020	9020	3040	3040	3040	3540	3640	3640	750	900	1350	1500	0.5°/1°
ZSM911	-	-	9110	-	-	3070	-	-	3670	-	-	-	1480	2/5
ZSM962	-	-	9620	-	-	3240	-	-	3840	-	-	-	1350	2/5
ZSM995	-	-	9950	-	-	3350	-	-	3950	-	-	-	1330	2/5
ZSM1022	-	-	10220	-	-	3440	-	-	4040	-	-	-	1300	2/5
ZSM1052	-	-	10520	-	-	3540	-	-	4140	-	-	-	1280	2/5
ZSM1070	-	-	10700	-	-	3600	-	-	4200	-	-	-	1240	2/5
ZSM1088	-	-	10880	-	-	3660	-	-	4260	-	-	-	1220	2/5
ZSM1112	-	-	11120	-	-	3740	-	-	4340	-	-	-	1130	2/5
ZSM1151	-	-	11510	-	-	3870	-	-	4470	-	-	-	1000	2/5

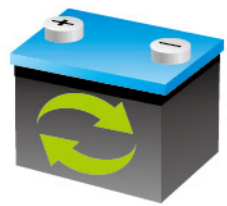
NOTE①: Detailed information about load capacity, please contact our salesman or engineer.



Ast: Right angle stacking aisle width
a: Clearance a=200mm



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.



Renewable energy technologies

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%

THE PERFORMANCE OF BATTERY INCREASES

Manufacturer's Data and Design Characteristics

Character		Jungheinrich					
1.01	Manufacturer	ETV					
1.02	Model	ETV					
1.03	Configuration number	114n	116n	118n	120n		
1.04	Load capacity	Q	kg	1400	1600	1800	2000
1.05	load center distance	C	mm	600			
1.06	Power mode	Battery					
1.07	Driving mode	Seated					
1.08	Wheel base	Y	mm	1410	1468	1560	1586
Tyre		Polyurethane					
2.01	Tyre type	Polyurethane					
2.02	Wheels, number front/rear (x=driven wheels)	1x/2					
2.03	Track width, rear	b3	mm	1136			
2.04	Wheel size, rear	φ285x100					
2.05	Wheel size, front	φ343x114					
Size		40x122x1150					
3.01	Lift height	h3	mm	5000			
3.02	Free lift (without backrest)	h2	mm	1700			
3.03	Mast height, lowered	h1	mm	2200	2200	2300	2300
3.04	Fork size: thickness×width×length	s/e/l	mm	40x122x1150			
3.05	Fork adjusting width	mm	335-709				
3.06	Mast tilt angle (front/rear)	α/β	1°/5°				
3.07	Fork sideshifting	mm	±70				
3.08	Truck body length (fork excluded)	L	mm	1792	1842	1942	1942
3.09	Truck body width	b1	mm	1270	1270	1270	1270
3.10	Distance between support arms	b2	mm	932	932	932	932
3.11	Reach distance	l4	mm	550	600	670	670
3.12	Height of overhead guard (cab)	h4	mm	2265	2265	2265	2265
3.13	Ground clearance, below mast	m2	mm	80	80	80	80
3.14	Turning radius	Wa	mm	1613	1705	1775	1775
3.15	Load distance, centre of support arm wheel to face of forks	x	mm	345	395	465	465
3.16	Aisle width for pallets 800x1200 lengthways	Ast	mm	2692	2805	2812	2812
3.17	Aisle width for pallets 1000x1200 crossways	Ast	mm	2650	2760	2780	2780
Performance							
4.01	Travelling speed: with/without load	km/h	10/10	10/10	10/10	10/10	
4.02	Lifting speed: with/without load	m/s	0.37/0.65	0.33/0.6	0.33/0.6	0.33/0.6	
4.03	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	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	Maximum climbing ability, with/without load	%	10/15	10/15	10/15	10/15	
Weight							
5.01	Total weight (with battery)	kg	2950	3070	3960	4030	
5.02	Axle load, fork retracted, without load, front/rear	kg	1770/1180	1842/1228	1932/1568	1984/1586	
5.03	Axle load, fork outreached, with load, front/rear	kg	522/3828	560/4110	1009/4291	958/4612	
5.04	Axle load, fork retracted, with load, front/rear	kg	1566/2784	1681/2989	1765/3535	1798/3772	
Battery							
6.01	Battery voltage/capacity K5	V/Ah	48/465	48/620			
6.02	Battery weight	kg	861	1054			
6.03	Battery box dimension	mm	1220x280x784	1220x352x784			
Motor and controller							
7.01	Drive motor power	kW	6.9				
7.02	Lifting motor power	kW	10				
7.03	Steering motor power	kW	0.9				
7.04	Type of driving control	MOSFET/AC					
7.05	Type of Lifting control	MOSFET/AC					
7.06	Type of Steering control	MOSFET/AC					
Brake and operating pressure							
8.01	Service brake	Electromagnetic brake					
8.02	Operating pressure for attachments	Mpa	15				

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

HELI

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.



Standard configuration

- AC travelling motor
- AC lifting motor
- AC steering motor
- Electromagnetic brake
- 5000mm three stage full free lift mast
- Integral sideshifter
- Standard fork
- Polyurethane tyre
- LED meter
- Residual time display with on-board battery
- Front working light
- Solo-PILOT
- Slow travel switch
- Key switch
- Curve control
- 180° steering mode
- Energy recovery during braking
- Mast tilt
- Rearview mirror

Optional device

- Three-stage full free lift mast (other lifting height)
- Fork with other length
- Pin-code
- Cold store
- Load wheel cover
- Monitoring system
- Battery side pull
- Drive control
- 360° steering mode
- Fork tilt
- Other battery
- Multi-PILOT

* Details of specifications and equipment are based on information available at time of printing and may change without notice.



ANHUI HELI CO., LTD.

ADD: NO.668 Fangxing Street, Economical Development Zone, Hefei, P.R.China
 TEL: (86 551) 63639069 (America) 63639258 (Europe) 63639358 (Asia)
 63662105 (Africa & Middle East) 63639530 (Warehouse Equipment)
 63639531 (Wheel loader)
 FAX: (86 551) 63639966
 WEBSITE: http://www.helichina.net
 Email: hel@helichina.net

AUTHORIZED DEALER



HELI
LIFTING THE FUTURE

SINCE 1958

ETV 114n-120n
AC ELECTRIC REACH TRUCK
 SIT DOWN TYPE