

## ELECTRIC PALLET STACKER INOX 1200 KG ES-12S 1150 X 560 MM



<b>Model</b>	<b>CEI3001:</b> Sandblasted stainless steel finishing, for the food sector <b>CEI3002:</b> Sandblasted stainless steel finishing, for the pharmaceutical sector
<b>Dimensions mm</b>	845 x 1930 H 2005
<b>Fork dimensions mm</b>	1150 x 560
<b>Capacity kg</b>	1200
<b>Center of gravity (mm)</b>	600
<b>Lift height mm</b>	1650
<b>Driving wheel</b>	Non-slip and non-marking polyurethane (75 Shore)
<b>Front single loading rollers</b>	Nylon-polyurethane
<b>Propulsion</b>	Electric
<b>Lift</b>	Electric
<b>Weight kg</b>	830
<b>Material</b>	Stainless steel AISI 304

### TECHNICAL FEATURES:

- Accompanied operator
- Lateral drawbar guide
- Push-button lifting and lowering on the rudder
- Simplex riser
- Voltmeter-hour counter with lifting block at 80% of the discharge
- Transparent plastic instrument panel cover
- IP65 protection
- Cold room protection -20 °
- Hydraulic oil for the food industry NSF H1
- Stainless steel protective net
- Quick release system
- Lateral battery removal
- 24V 180Ah traction battery complete with gas recovery system
- 2 ex filters specially installed to filter gases
- The automatic topping up of the battery takes place via a female quick coupling (supplied as standard) connected to a non-toxic tube that takes distilled water from the tank (supplied), filled when necessary, and dispensed through a special tap
- External battery charger that is connected via an electric cable with a panel and Schuko socket
- External 24V 20A current rectifier
- 70-110 microns glass microspheres stainless steel finish treatment
- Treatment for the pharmaceutical sector or for the cleanroom satin stainless steel finish (optional)

### DESCRIPTION:

#### Hydraulic functions

Powerful and quiet 2kW lift motor with high torque ratio offers high performance with low power consumption. The ascent and descent operations are operated by buttons on the rudder that allow operations to be carried out without taking your hands off the rudder.

#### Optimal behavior on slippery pavements and when cornering

Non-marking non-slip polyurethane drive wheel (with optional rough surface) which guarantees maximum grip on slippery and wet surfaces and spring-loaded and adjustable stabilizing wheels which distribute the support force appropriate to the driving situation, guaranteeing maximum grip on slippery and wet surfaces while always guaranteeing optimal adherence to the ground.

#### Performance, safety, excellent stability, hygiene and ease of cleaning

Tiller lift with accompanying operator ideal for transport on short distances and for lifting heights up to 4,650 mm (more on request). Versatile and easy to handle, it can be used with ease and safety even in the most confined spaces and in work corridors of less than 2,250 mm. The configuration with four support points offers maximum lateral stability ensuring maximum safety and comfort during picking and storage operations. Entirely built in AISI 304 stainless steel (frame, axles, levers, lifting cylinders) for use in humid and corrosive environments, it is certified and complies with European standards on machinery for the food industry EN 1672-1, EN 1672-2. The trolley is ideal for use in the food, chemical and pharmaceutical industries.

## Compact and easy to clean design

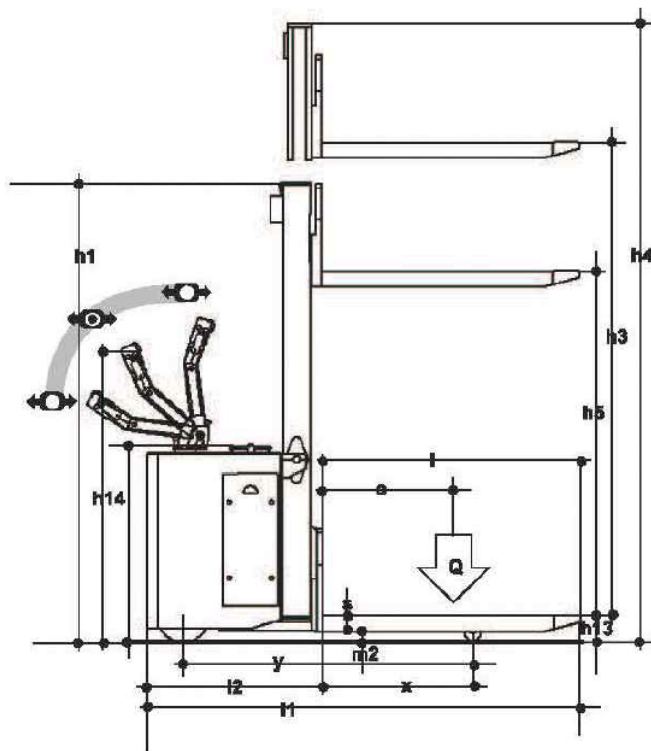
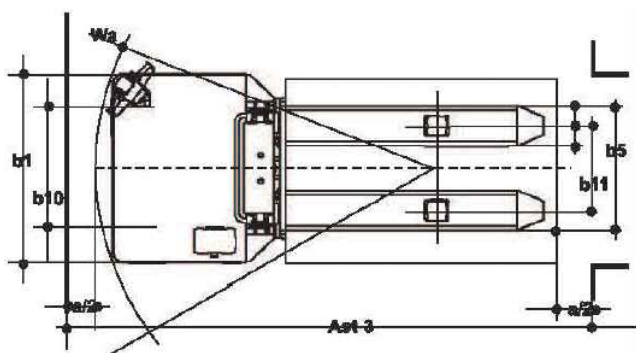
The high-quality AISI 304 stainless steel used (also available in the AISI 316 version for use in outdoor environments and in very aggressive environments linked to the use of acids and saline solutions) has smooth and scratch-resistant surfaces even in case of intense use, preventing adherence of dirt and the spread of germs and bacteria. The machine is designed to be subjected to regular cleaning with high pressure washing, the water can easily flow along the entire surface and the particularly resistant seals prevent its infiltration into the drive compartment, protecting the engine and controls. All operating elements are watertight and corrosion resistant. The standard execution allows use in cold rooms down to -20 ° and the use of NSF-H1 food grade hydraulic oil offers excellent protection against oxidation and protection in the event of occasional contact with food.

## Traction and electronic system

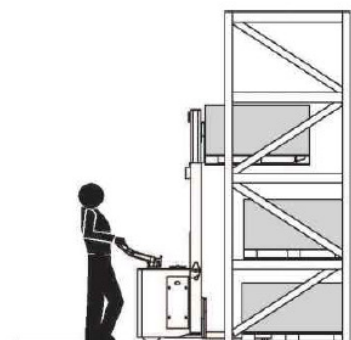
The reliable and powerful AC Sensorless three-phase traction motor is able to satisfy the most demanding performance requirements, delivering the necessary power in any load situation as the traction speed depends exactly on the position of the throttle. Equipped with AC electronic equipment capable of operating even at high temperatures (on control and / or motor) without the trolley blocking. Equipped with anti RollBack devices, the control monitors all the functions of the machine and allows infinite adjustments to optimize its performance, adapting it to the type of work it has to carry out. The traction and braking parameters are electronically adjustable via a programming console according to the customer's needs.

## TECHNICAL FEATURES:

Caratteristiche	1.1	Costruttore			Italiana Carrelli Elevatori srl
	1.2	Modello			ES-12
		Esecuzione			
	1.3	Alimentazione			Elettrico
	1.4	Posizione operatore			A terra
	1.5	Portata	Q	t	1,2
		Portata con sollevamento montante	Q	t	/
		Portata con sollevamento razze	Q	t	/
		Portata con sollevamento razze + montante contemporaneamente	Q	t	/
1.6	Baricentro del carico	c	mm	600	
1.8	Distanza del carico	x	mm	670	
1.9	Interasse ruote	y	mm	1.295	
Pesi	2.1	Peso proprio inclusa batteria (vd riga 6.5)			kg 830
	2.2	Peso sull'asse con carico ant. / post.			kg 830/1.490
	2.3	Peso sull'asse senza carico ant. / post.			kg 780/342
Ruote Telaio	3.1	Gommatura			Poliuretano
	3.2	Dimensioni ruote anteriori			mm 82x90
	3.3	Dimensioni ruote posteriori			mm 230
	3.4	Dimensioni ruote stabilizzatrici			mm 150
	3.5	Numero ruote anteriori / posteriori (x = trazione)			n° 1x + 1 / 2 (4)
	3.6	Carreggiata anteriore	b10	mm	567
	3.7	Carreggiata posteriore	b11	mm	380
Dimensioni base	4.2	Altezza montante abbassato	h1	mm	2,005
	4.3	Sollevamento libero	h2	mm	
	4.4	Corsa di sollevamento forche	h3	mm	2,810
	4.5	Altezza montante sfilato	h4	mm	3,400
	4.6	Sollevamento iniziale	h5	mm	/
	4.9	Altezza timone in posizione di guida min. / max.	h14	mm	1,110 / 1,290
	4.15	Altezza forche abbassate	h13	mm	90
	4.19	Lunghezza totale	l1	mm	1,930
	4.20	Lunghezza incluso tallone forche	l2	m	780
	4.21	Larghezza totale	b1/ b2	mm	845
	4.22	Dimensioni forche	s/e/l	mm	70 / 180 / 1.150
	4.25	Scartamento esterno forche	b5	mm	560
	4.32	Luce libera a metà passo	m2	mm	15
	4.33	Larghezza corsia di lavoro con pallet 1000 x 1200 trasversale	Ast	mm	
	4.34	Larghezza corsia di lavoro con pallet 800 x 1200 longitudinale	Ast	mm	2,224
4.35	Raggio di curvatura	Wa	mm	1.560	
Prestazioni	5.1	Velocità di traslazione con / senza carico			km/h 5,8 / 6,0
	5.2	Velocità di sollevamento con / senza carico			m/s 0,15 / 0,26
	5.3	Velocità di discesa con / senza carico			m/s 0,40 / 0,23
	5.8	Pendenza max superabile con / senza carico			% 6 / 10
	5.10	Freno di esercizio			Elettrico-inversione
Motori elettrici	6.1	Motore di trazione, prestazione con S2 60 min			kW 1,2
	6.2	Motore di sollevamento, prestazione con S3 15%			kW 2
	6.3	Batteria secondo DIN 43531 / 35 / 36 A, B, C			DIN 43531
	6.4	Voltaggio, capacità nominale batteria K5			V/Ah 24 / 180 - (300)
	6.5	Peso batteria			kg 175
Varie	8.1	Tipo impianto elettronico			ac
	8.4	Soglia rumore secondo EN 12 053, orecchio operatore			dB(A) < 70
					*optional
<small>Scheda tecnica con dati rilevati secondo VDI 2198 e da carrello configurazione standard. Per altre gommature, montanti ed accessori i valori possono cambiare. I dati e le illustrazioni si intendono a titolo indicativo e non impegnativo. Italiana Carrelli Elevatori Srl si riserva il diritto di apportare modifiche senza preavviso.</small>					



Montanti standard						12
Denominazione	Altezza montante abbassato	Corsa sollevamento forche	Sollevamento totale	Altezza montante sfilato	Alzata libera	Portata (t)
	h1	h3	h3+h13	h4	h2	c=600 mm
Simplex	mm 2,085	1,560	1,650	2,085	1,560	1,2
Duplex	mm 2,005	2,810	2,900	3,400	/	1,2
	mm 2,355	3,510	3,600	4,100	/	1,0
Triplex GAL	mm 1,970	4,110	4,200	4,800	1,410	0,75
	mm 2,120	4,560	4,650	5,250	1,560	0,60



Accessori ed esecuzioni speciali		S = Standard O = Optional	
S	acciaio inox AISI 304	S	sistema di frenatura elettronico
O	acciaio inox AISI 316	S	dispositivo anti roll-back
O	alzata libera per colonna duplex	S	protezione cella frigo -20°C
O	rullo anteriore doppio	S	olio idraulico per l'industria alimentazione NSF-H1
S	ruota motrice in poliuretano antiscivolo antitraccia	O	copertura quadro strumenti in acciaio inox
O	ruota motrice in poliuretano antiscivolo con superficie ruvida	O	voltmetro-contatore con blocco del sollevamento all'80% della scarica
S	freno elettromagnetico di parcheggio	S	batteria 24V 180Ah raddrizzatore di corrente esterno 24V 30A
S	controllo elettronico velocità	O	rulliera estrazione batteria semplice e doppia con ruote

### Guide rudder

Ergonomic and hermetic IP 65 multifunction tiller head with intuitive and easily accessible controls to ensure productivity and precision to guarantee greater efficiency. When released, the rudder returns to the vertical position without bumps or bounces thanks to a stainless steel gas spring equipped with end-of-stroke deceleration.



### Instrument panel cover

Instrument panel cover in transparent plastic resistant to corrosive agents and completely washable to guarantee the highest level of sanitation as required by the standards for the food industry EN 1672-1, EN 1672-2. The cover is also available in stainless steel on request. The 3-color battery check LED informs you about the charge status.



The Easyinox uprights are made with stainless steel profiles that ensure high resistance to torsion and bending, the stainless steel lifting chains are positioned and protected in order to provide an excellent view during maneuvers. They are available in simplex, duplex and triplex versions with free lift. All components used for assembly are made of stainless steel: lifting cylinders, bearings, chains and mechanical parts.

### Lateral battery removal

The ES-12 lift is equipped with a traction battery with 24V 180Ah gas recirculation and an external current rectifier that allows recharging by simply connecting to the battery connector. The optional higher capacity batteries from 24V 250Ah to 24V 300Ah ensure greater working autonomy for intensive use. The lateral extraction of the battery positioned on plastic rollers allows a quick replacement of the same for use on several work shifts. The extraction is also facilitated by the use of single or double roller conveyors as an option.

### Maintenance

Easy maintenance thanks to a wide opening in the frame that allows easy access to components, minimizing routine maintenance costs.

### Special applications

Clean rooms, controlled atmosphere rooms and more on request.