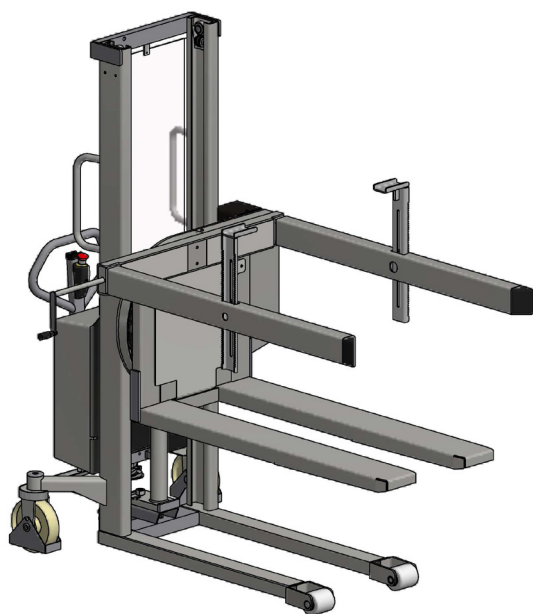
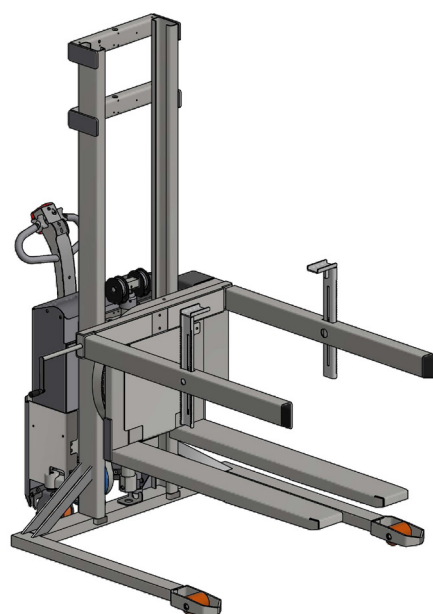


ROTATOR INOX

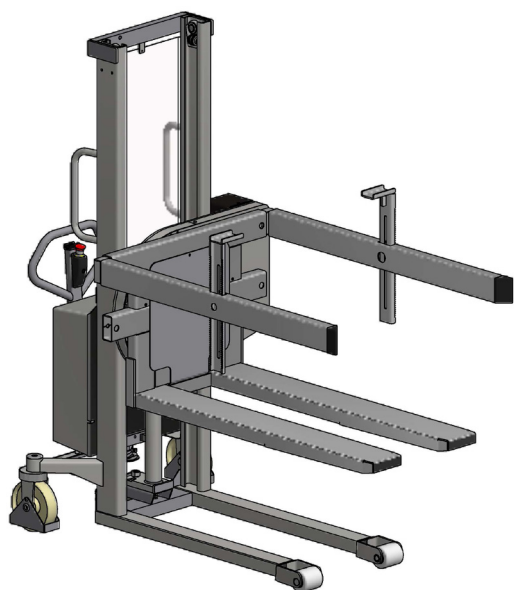
SPECS AND KEY SKETCHES



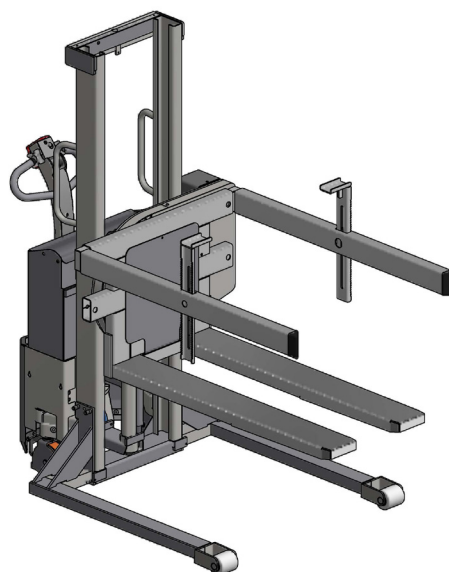
Rotator Inox, electric lift, manual propulsion
adjustable box holders (EHSIRA/EHSSIRA)



Rotator Inox, fully powered adjustable
boxholders (SELFIRA/SELFIRA)

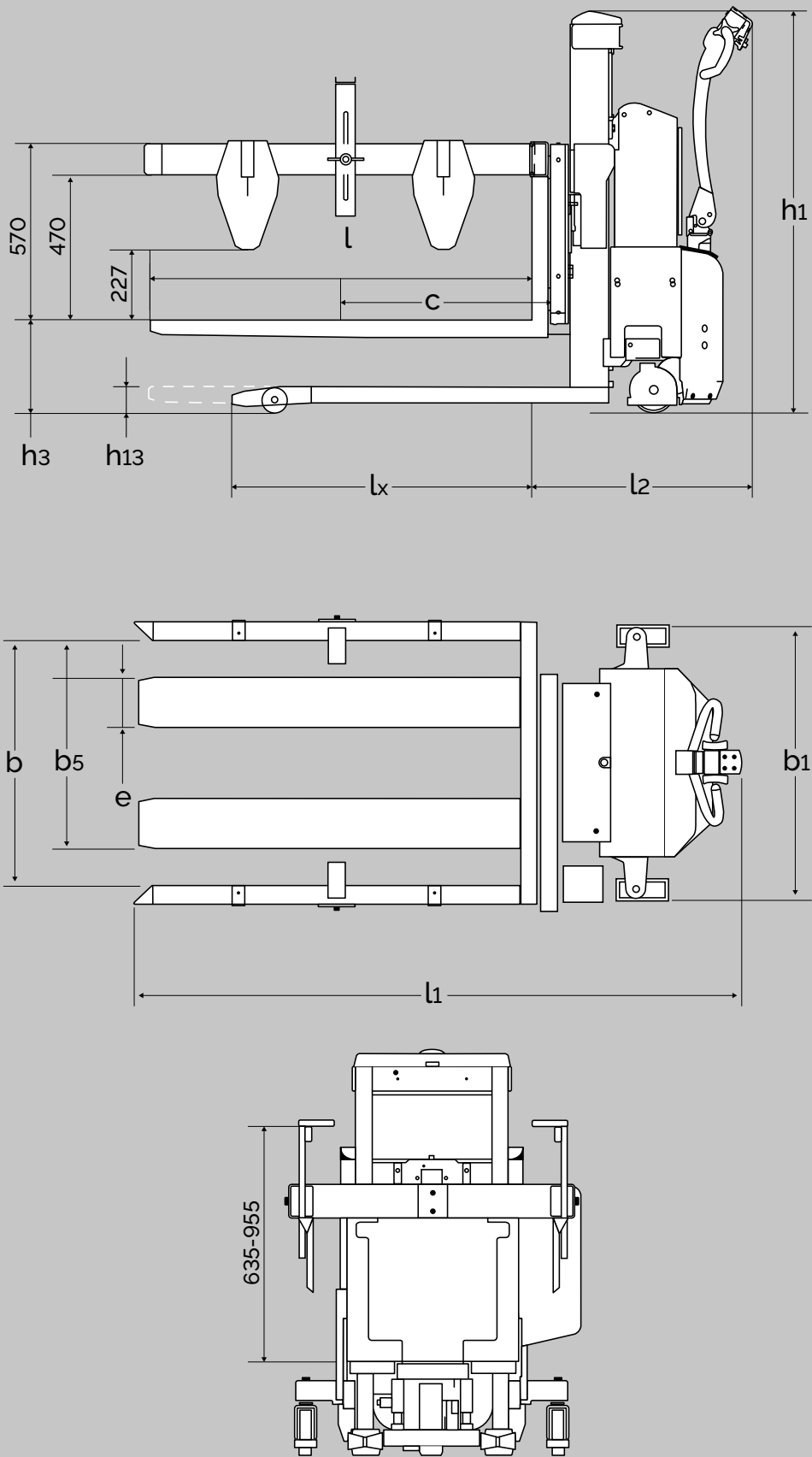


Rotator Inox, electric lift, manual propulsion
non-adjustable box holders (EHSIR/EHSSIR)

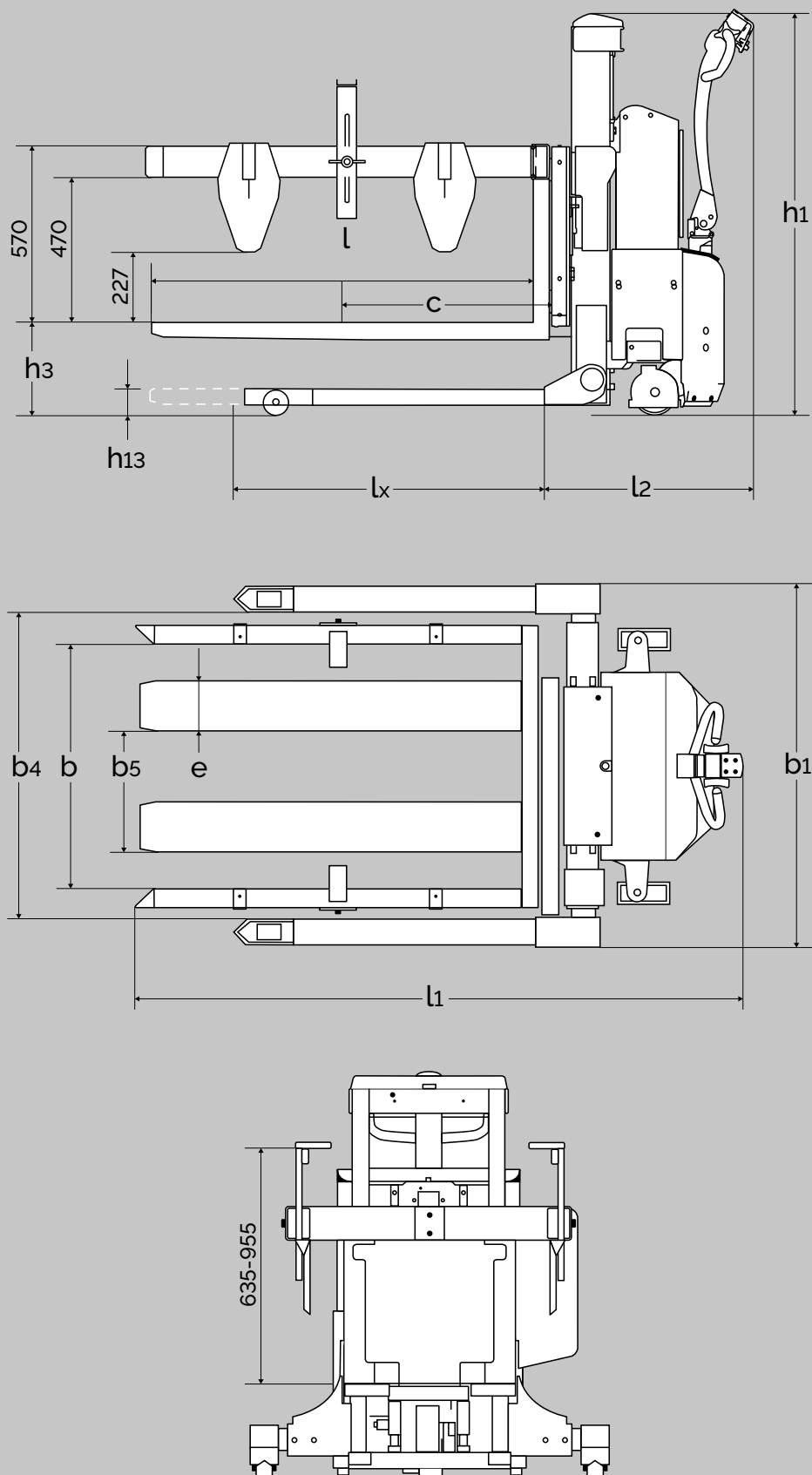


Rotator Inox, fully powered non-adjustable
boxholders (SELFIR/SELFIR)

Rotator Inox EHSIRA & SELFIRA



Rotator Inox EHSIRA & SELFSIRA



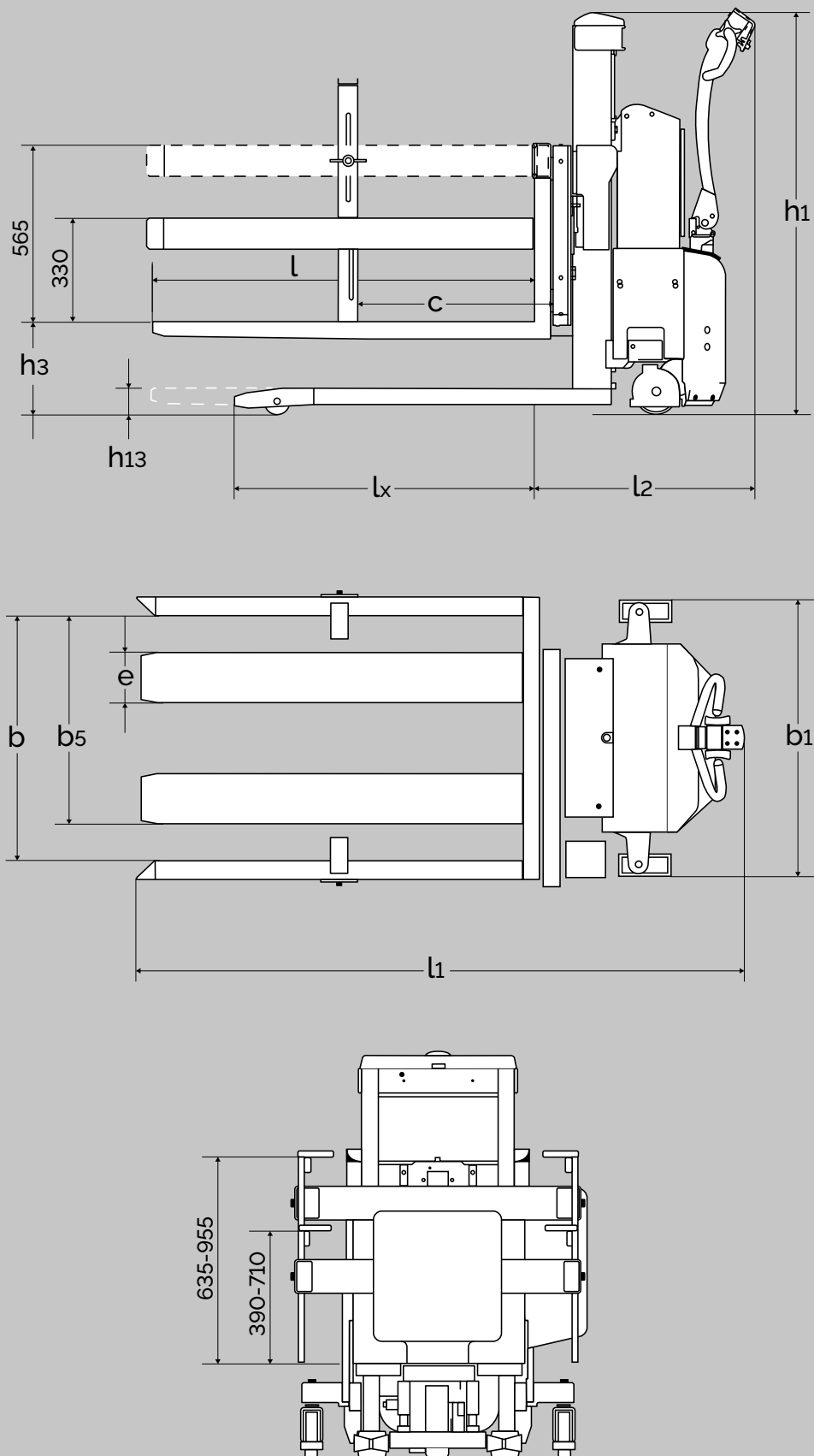
		EHSIRA SELFIRA	EHSIRA SELFIRA	EHSIRA SELFIRA	EHSIRA SELFIRA	EHSIRA SELFIRA
PRODUCT (measured in mm)		EHSSIRA SELFSIRA	EHSSIRA SELFSIRA	EHSSIRA SELFSIRA	EHSSIRA SELFSIRA	EHSSIRA SELFSIRA
Capacity in kg		1000 kg*	1000 kg*	1000 kg*	1000 kg*	1000 kg*
Lifting height	h ₃	920	1200	1400	1600	1910
Fork length	l	1250				
Overall height	h ₁	1330	1530	1730	1930	2240
Overall width	b ₁	932, 890 (EHSIRA / SELFIRA distance between steering wheels 860 mm) / 166 + b ₄ (EHSSIRA / SELFSIRA)				
Witdth between legs	b ₄	314, 434 / 850-942, 942-1124, 1124-1306, 1240-1422**				
Fork span	b ₅	560, 680				
Length without forks	l ₂	590, 605 / 590, 703				
Overall length with 1250 forks	l ₁	2000, 1955 / 2000, 1955				
Lowered height, forks	h ₁₃	85, 90 / 85, 90	90			
Load centre	c	1/2				
Fork width	e	163				
Run-in length	l _x	1040				
Gangway (pallet 1200 x 800)	A _{st}	2290***, 2200*** / 2290***, 2200***				
Turning angle of wheels		180°, 210° / 180°, 210°				
Motor		SELFIRA / SELFSIRA 1,2 kW 24 V speed control electronically variable				
Driving speed with/without load		SELFIRA / SELFSIRA below 500 mm lift: 5/6 km/h, over 500 mm lift: 3/4 km/h				
Pump motor		1,1 kW - 12 V / 1,2 kW - 24 V				
Lifting speed with/without load		EHSIRA / EHSSIRA 0,05/0,07 m/s, SELFIRA / SELFIRA 0,07/0,12 m/s				
Lowering speed with/without load		EHSIRA / EHSSIRA 0,12 m/s / 0,04 m/s, SELFIRA / SELFSIRA 0,12 m/s / 0,07 m/s				
Max torque		700 Nm				
Tilt function		360° (with one adjustable stop in every side) (Standard 45° to every side)				
Tilt area		Forks 400-900 (h ₃)				
Tilt time (0-180°)		Minimum 30 sec (adjustable)				
Electric motor for tilt function		EHSIRA / EHSSIRA 12 V - 24 A SELFIRA / SELFSIRA 24 V - 12 A				
Motor specifications		0,2 kW, 3000 r/m Permanent magnet motor, IP 44, class F. Gear 1:228				
Operation		Not continuously (S2=10 min)				
Adjustable box holders with/without clamps (optional extra)	b	The box holders can be adjusted for box widths from 800 to 1200 mm Box holders with clamps can hold boxes of heights between 635 and 955 mm, when tilted				

* Maximum 1000 kg when the load centre is maximum 80 mm from the rotation centre.

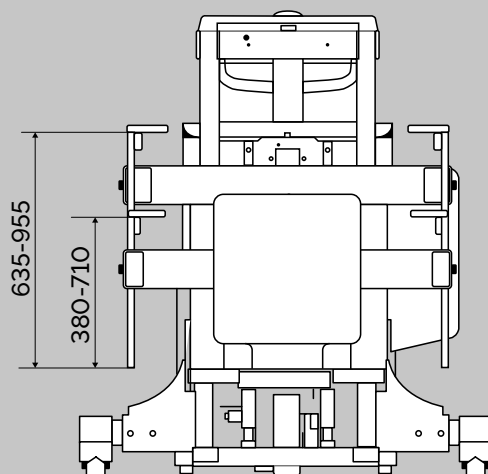
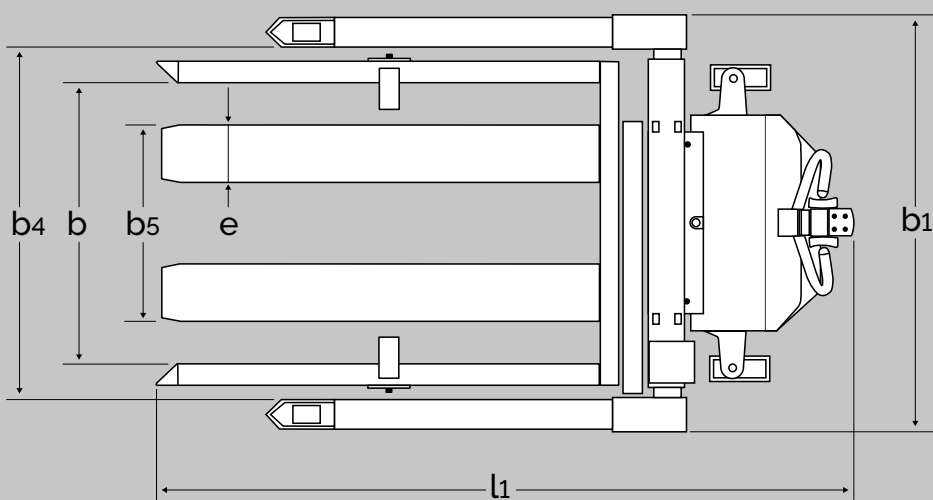
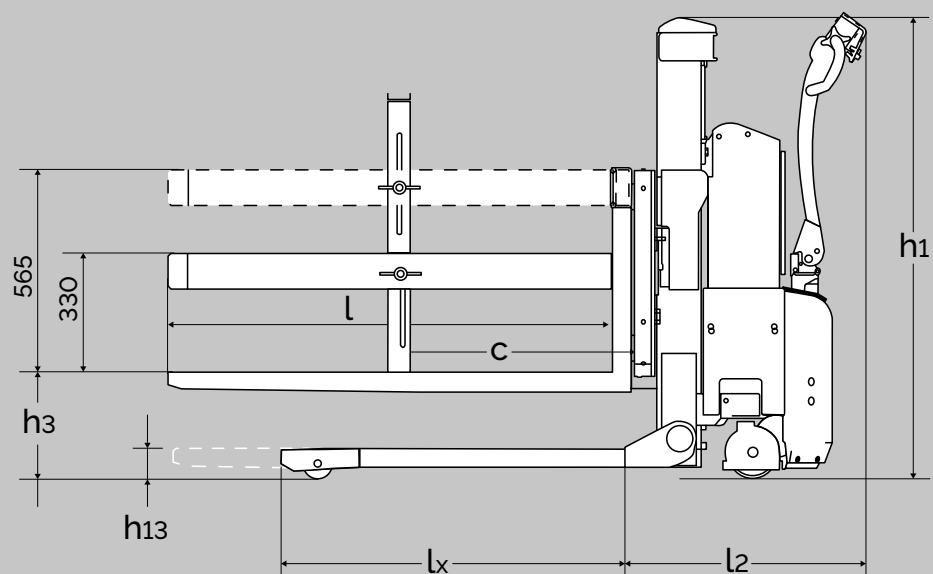
The load capacity that can be tilted is reduced, the larger the distance is between load centre of the load and rotation centre.

** Width between straddle legs of more than 1306 mm, max. capacity 800 kg.

*** Tests show that 1700 mm is enough (on straddle model it depends on width between the straddle legs).



Rotator Inox EHSSIR & SELFSIR



		EHSIR SELFIR	EHSIR SELFIR	EHSIR SELFIR	EHSIR SELFIR	EHSIR SELFIR
PRODUCT (measured in mm)		EHSSIR SELFISIR	EHSSIR SELFISIR	EHSSIR SELFISIR	EHSSIR SELFISIR	EHSSIR SELFISIR
Capacity in kg		1000 kg*	1000 kg*	1000 kg*	1000 kg*	1000 kg*
Lifting height	h ₃	920	1200	1400	1600	1910
Fork length	l	1250				
Overall height	h ₁	1330	1530	1730	1930	2240
Overall width	b ₁	932, 890 (EHSIR / SELFIR dist. between steering wheels 860 mm) / 166 + b4 (EHSSIR / SELFISIR)				
Witdth between legs	b ₄	314, 434 / 850-942, 942-1124, 1124-1306, 1240-1422**				
Fork span	b ₅	560, 680				
Length without forks	l ₂	590, 605 / 590, 703				
Overall length with 1250 forks	l ₁	2000, 1955 / 2000, 1955				
Lowered height, forks	h ₁₃	85, 90 / 85, 90	90			
Load centre	c	1/2				
Fork width	e	163				
Run-in length	l _x	1040				
Gangway (pallet 1200 x 800)	A _{st}	2290***, 2200*** / 2290***, 2200***				
Turning angle of wheels		180°, 210° / 180°, 210°				
Motor		SELFIR / SELFISIR 1,2 kW 24 V speed control electronically variable				
Driving speed with/without load		SELFIR / SELFISIR below 500 mm lift: 5/6 km/h, over 500 mm lift: 3/4 km/h				
Pump motor		1,1 kW - 12 V / 1,2 kW - 24 V				
Lifting speed with/without load		EHSIR / EHSSIR 0,05/0,07 m/s, SELFIR / SELFISIR 0,07/0,12 m/s				
Lowering speed with/without load		EHSIR / EHSSIR 0,12 m/s / 0,04 m/s, SELFIR / SELFISIR 0,12 m/s / 0,07 m/s				
Max torque		700 Nm				
Tilt function		360° (with one adjustable stop in every side) (Standard 45° to every side)				
Tilt area		Forks 400-900 (h ₃). Multi-purpose carriage 680-1180 from floor to rotation centre				
Tilt time (0-180°)		Minimum 30 sec (adjustable)				
Electric motor for tilt function		EHSIR / EHSSIR 12 V - 24 A SELFIR / SELFISIR 24 V - 12 A				
Motor specifications		0,2 kW, 3000 r/m Permanent magnet motor, IP 44, class F. Gear 1:228				
Operation		Not continuously (S2-10 min)				
Box holder with/without clamps (optional extras)		For box widths of 800, 850 or 1000 mm by a fork span of 560 mm. For box widths of 1000, 1050 or 1200 mm by a fork span of 680 mm. Special arrangements for a maximum box width of 1400 mm are possible. Box holders with clamps can hold boxes of heights between 390 and 955 mm, when tilted.				

* Maximum 1000 kg when the load centre is maximum 80 mm from the rotation centre.

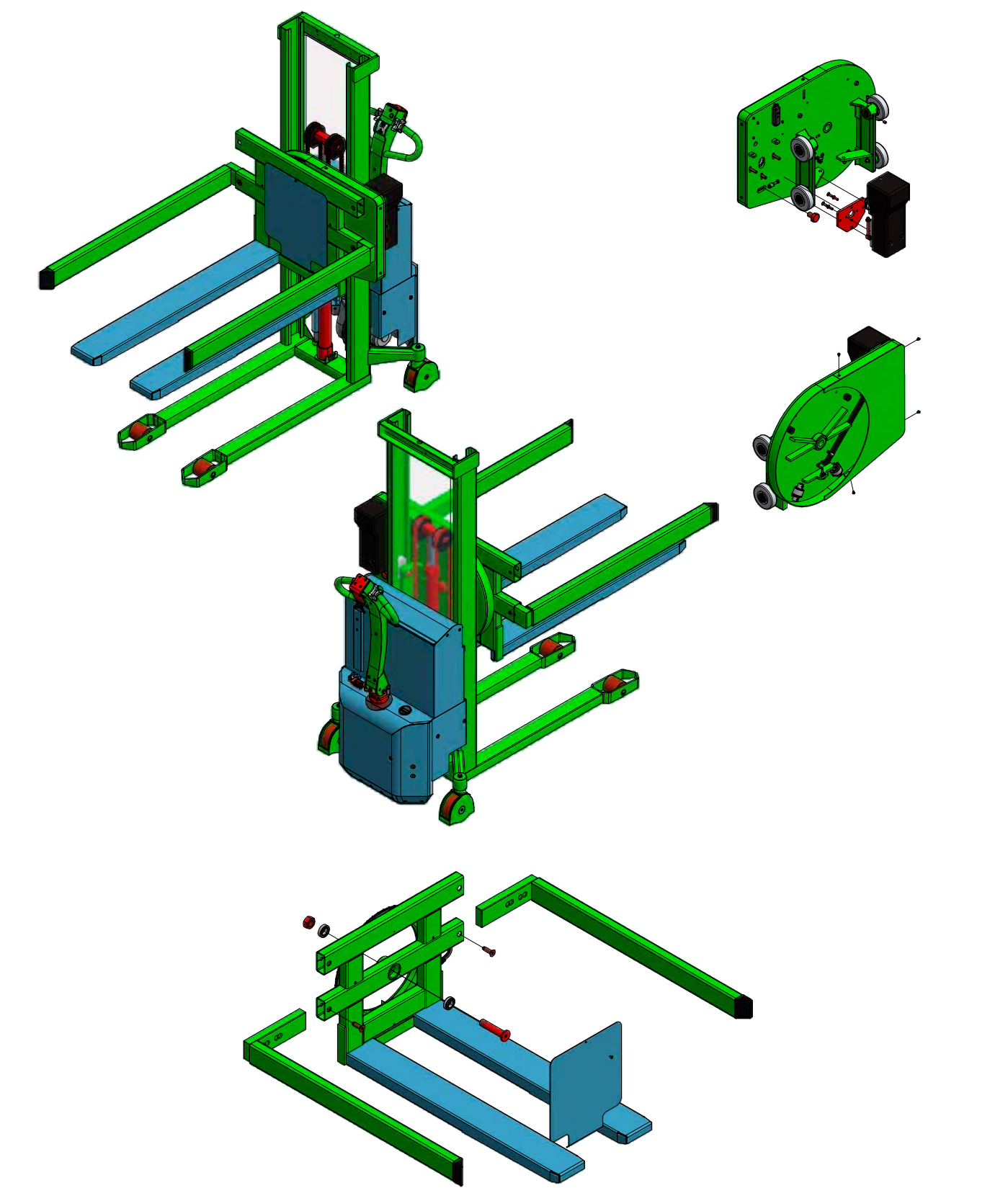
An extra set of box holders is necessary when lifting 500-1000 kg.

The load capacity that can be tilted is reduced, the larger the distance is between load centre of the load and rotation centre.

** Width between straddle legs of more than 1306 mm, max. capacity 800 kg.

*** Tests show that 1700 mm is enough (on straddle model it depends on width between the straddle legs).

Rotator Inox



						
Acid-resistant steel EN 1.4404 (AISI 316L) EN 1.4460 (AISI 329)	Stainless steel EN 1.4305 (AISI 303) EN 1.4301 (AISI 304)	Zinc-iron black passivating+sealer* Fe//ZnFeX//Fn//T2	Zinc-iron silver passivating+sealer* Fe//ZnFeX//Cn//T2	Rubber sealed bearings	Bronze	Painted 130-150 µm

*chromated

In which environment do you want to use the product?

Material

- Please check our key sketch.

In general

- Acid-resistant steel AISI 316L for the forks .
- Stainless steel AISI 304 for chassis and other exposed components.
- Electric print is coated with DCA SCC3 (conformal coating).
- Exposed plugs are sealed with Gasket Silicone 273.
- All electric parts are sprayed with WD-40.
- Chains, chain wheel, support rollers etc.: Various steel alloys - not corrosion resistant.
- Less exposed parts: Zinc coating according to DIN 50979- ZnFe8/Cn/T2 (408 hours salt spray test).
- Ball bearing with rubber sealing.
- Motor: IP44
- The charger is not protected against moisture, so in general external charger is used.
Charging should take place in a dry environment.
- If possible, the product is to be placed in a dry and heated room, when not used.

Maintenance

To achieve the longest possible operational time, it is important that stainless products are maintained regularly.
The frequency depends on the usage.

[Cleaning/Maintenance of stainless products](#)

Every third month

- Electric parts are sprayed with WD-40
- Plugs and connections are checked and cleaned for brownish layer and bad connections

Warranty

- When used in wet environments, the warranty does not cover damages caused by moisture.
This might be rust damages to galvanized parts and faults on electrical parts.

In which environment do you want to use the product?

Stainless steel products operate in different environments and must meet different requirements from our customers. What is your environment?

Environments	Examples industries	Logitrans products managing these environments		
Very aggressive, wet environments The product is wet due to liquid dissolutions (acid, base or brine) almost all the time. Cleaning Aggressive cleaning. Cleaning with foam (acid or base) (washing) PH in the cleaning material is much lower or much higher than 7.0	Preparation processes in Food and fish industries Slaughterhouses Dairies			
Aggressive, wet environments The product is wet and moist most of the time. Cleaning Aggressive cleaning. Cleaning with foam (acid or base) (washing). PH in the cleaning material is much lower or much higher than 7.0	Production processes in Food industry Slaughterhouses Dairies			
Clean, moist environments The product is moist only occasionally. Cleaning Gentle cleaning when wiping or washing (only forks). Neutral water (PH7), when necessary with gentle cleaning materials.	Pharmaceutical industry Food industry			
Clean, dry environments The product is dry all the time. Cleaning Cleaning the products with dry or moist cloth.	Pharmaceutical Packaging in the food industry	All Logitrans stainless products	Panther Inox, HS/EHS Inox HL/EHL Inox, Logitilt Inox Rotator Inox, Multi Drum Turner Inox Stainless fully-powered products	EHL Inox Plus HL Inox Plus
Panther Inox Plus				