

ROTOR_{FE}

Stacker for ergonomic load positioning and tipping of industrial containers

Catalogue | Technical data sheet

ROTOR FE

Rotor FE is a full electric lift truck designed for the **ergonomic positioning and lateral tipping of industrial containers** of various types and sizes. The new frame has been designed for **lateral tipping up to 360°** for containers **up to 1000 Kg**. The rotation is controlled by the operator via a **proportional joystick** placed directly **on the tiller**, allowing the operator to finely adjust the tilt of the container by regulating the speed with extreme precision. The **rotation is entirely electric**, without hydraulics, to **ensure greater precision and minimize maintenance**. The **extruded wide mast** and straddle legs have been designed to guarantee **maximum stability and safety** for the operator. The container **clamping arms** can be **adjusted manually** to accommodate a **wide range** of industrial containers.



Main applications:

- Ergonomic load positioning to increase operator ergonomics during manual picking operations from deep bins
- Tipping and emptying of industrial containers of different sizes

Key Features

Lift and rotate a wide range of skips and containers industrial up to 1,000 kg

Wide extruded mast for increased visibility during use

Electric proportional controls directly on the tiller

Box holders adjustable in height and width for holding a wide range of containers

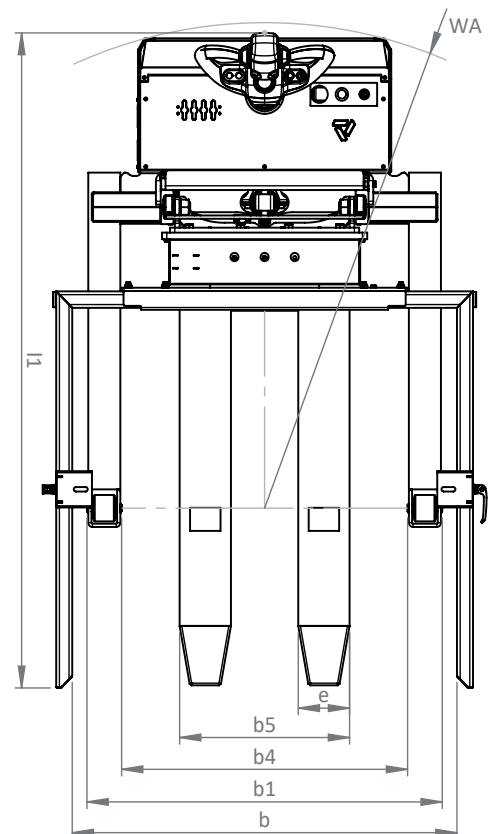
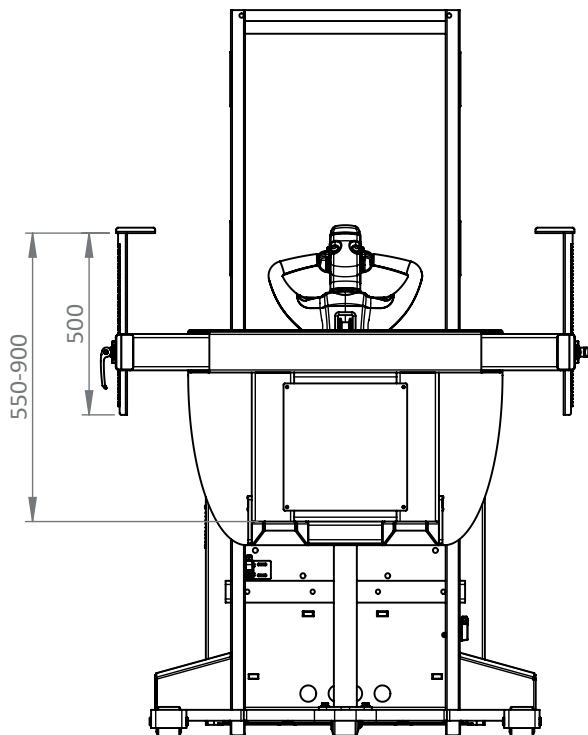
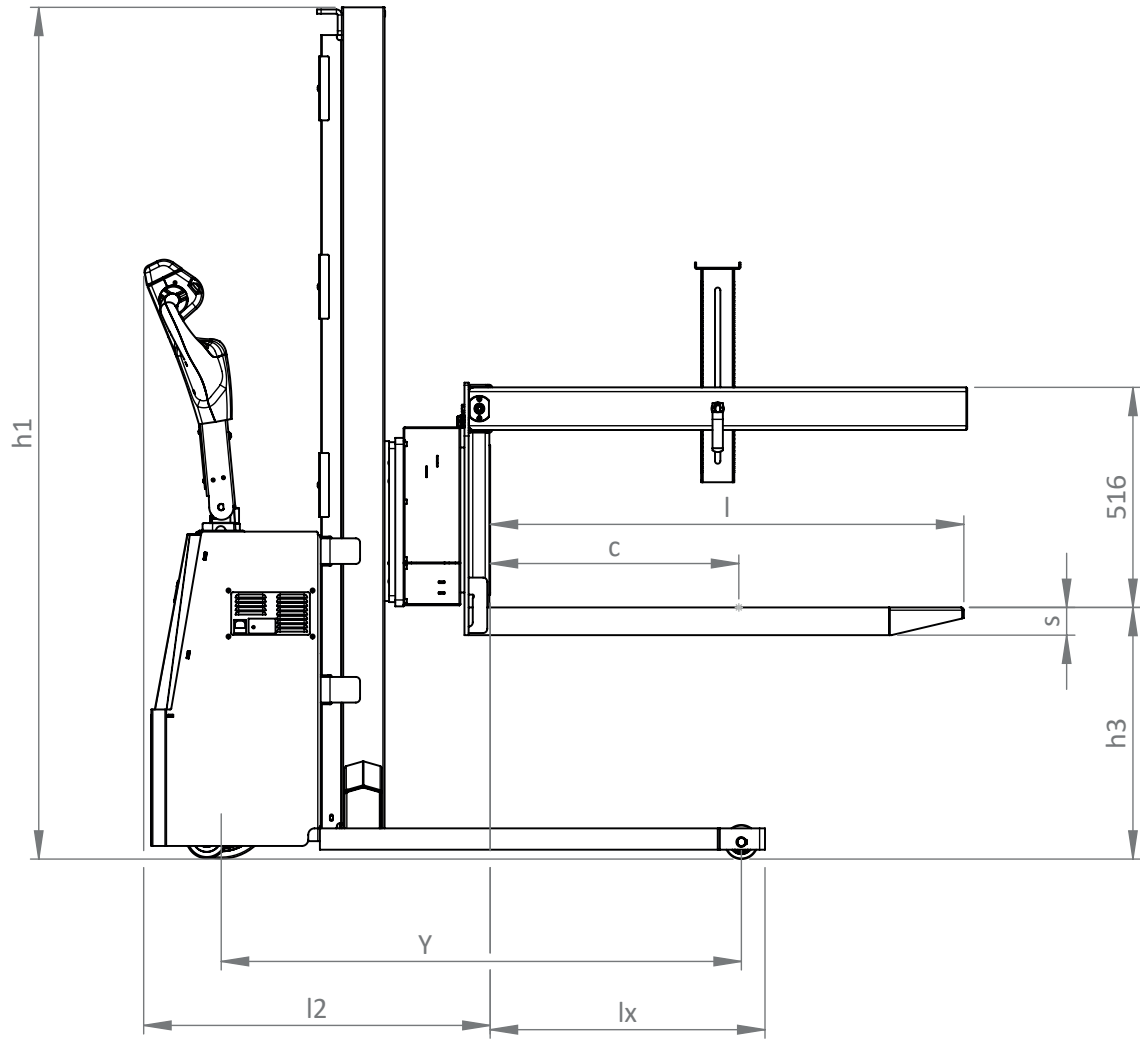
All-steel frame and casing with high foot guard band for increased impact resistance

Enhanced stability during rotation thanks to the straddle legs

360° electric rotation to increase accuracy and minimize maintenance

ROTOR FE

Dimensions



Data sheet

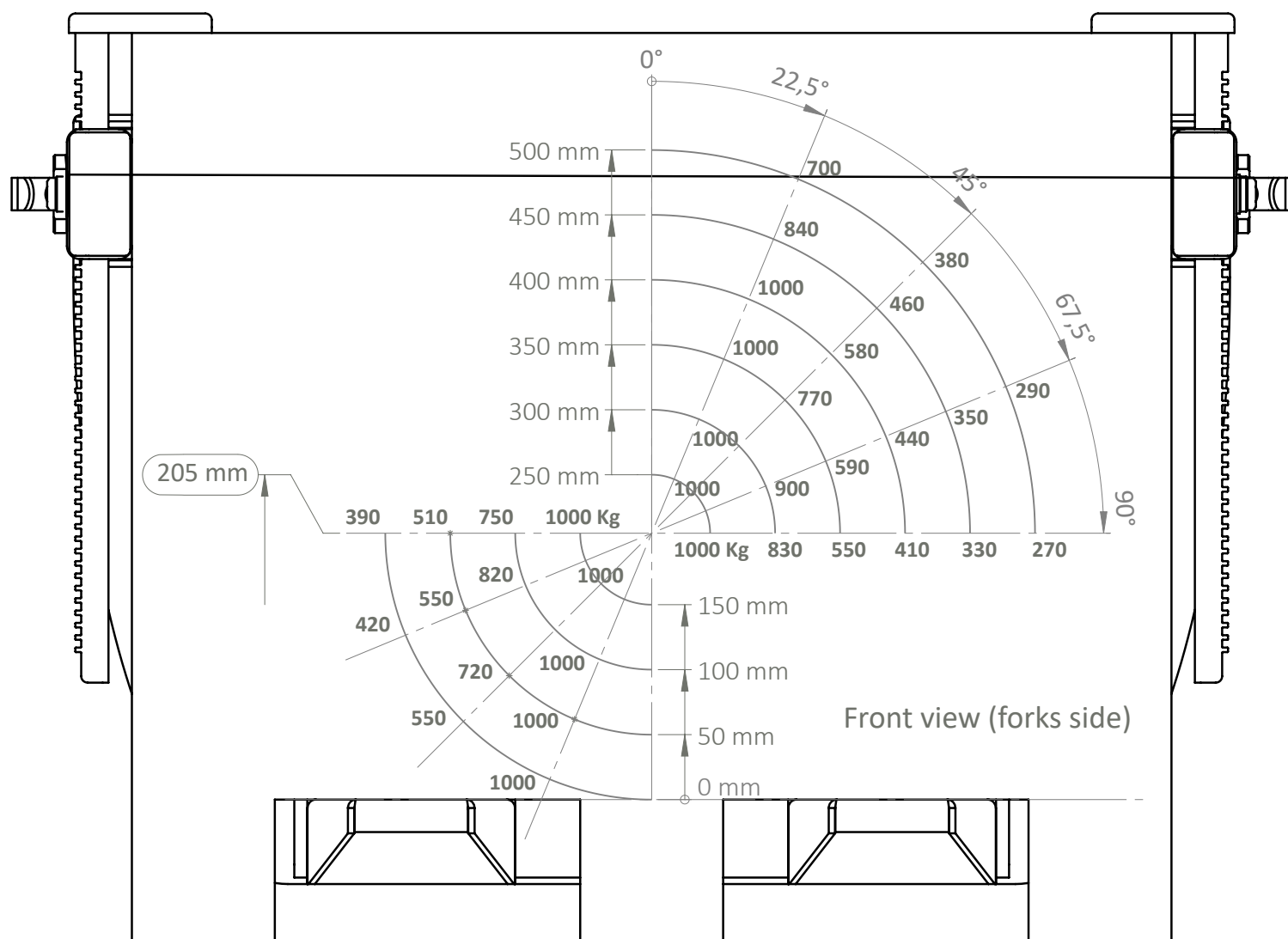
Lift truck dimension		
Lifting height	h3	90 - 1475 mm
Forks length	l	1143 mm
Overall height	h1	1197 mm
Overall width	b1	1108 mm
Width between legs	b4	892 mm
Fork span	b5	530 mm
Length without forks	l2	836 mm
Overall length with forks	l1	1985 mm
Load center	c	600 mm
Fork width	e	160 mm
Run-in length	lx	663 mm
Support arms span	b	800 - 1200 mm
Turning radius	WA	1472 mm
Wheelbase (traction wheel / front rollers)	Y	1255 mm
Standard handling range / dimension of containers		
Length of containers		from 800 mm to 1200 mm
Width of containers		from 800 mm to 1200 mm
Height of containers		from 600 mm to 1000 mm
Performance		
Travelling speed with/without load		3.5/4.0 Km/h
Lifting speed with/without load		0.13/0.19 m/sec
Lowering speed with/without load		0.12/0.14 m/sec
Maximum surmountable slope with/without load		3 % / 6 %
Brake		electronic
Lifting capacity		1000 Kg @ CG 600 mm
Tilting capacity		see "Load chart"
Type of tilting		lateral
Tilting angle		360°
Allowed tilting height		from 400 mm to 1475 mm
Tilting time		(0-180°) ≈25 sec / (0-360°) ≈50 sec
Trolley weight (without battery)		779 Kg
Wheels and Chassis		
Traction wheel / castors / Front rollers		PU / PU / PU
Number of wheels (support points)		5 (1 traction wheel, 2 side castors, 2 front rollers)
Traction wheel dimension		Ø250 x 76 mm
Castor wheels dimension		Ø100 x 40 mm
Front rollers dimension		Ø80 x 70 mm
Clearance (underneath mast / wheelbase center)		30 mm / 22 mm
Electronics		
Driving motor		0,7 KW DC
Lifting motor		2,2 KW electro-hydraulic
Tilting motor		0,4 KW electric
Voltage / battery nominal capacity		2 x 12 V (series) / 110 Ah
Voltage / charger nominal capacity		24 V / 15 A

► Load chart

ROTOR FE is designed to lift up to **1000 Kg** at **(CG) 600 mm load center**.

The **tilting capacity** is expressed according to the load chart below and varies according to 2 data points:

- **Vertical load center:** it's the distance between the load center and the top edge of the forks
- **Tilting angle:** tilting angle of the load starting from the initial point (0°)



This load chart expresses the maximum allowable capacity (in kg) based on the vertical load center and tilting angle. The maximum capacity is shown in the diagram up to a maximum tilting angle of 90° because it is assumed that, beyond this angle, the material contained in the box will be poured, reducing the weight of the box itself.

► Custom design

ROTOR FE can be **custom-made** according to the customer's handling needs.

Some examples of customization may be:

- custom load support arms
- increased or decreased lifting height
- wide/narrow legs

The main **options** of **ROTOR FE** include:

- Lithium battery
- Custom painting
- Proportional lifting commands by levers
- Proportional lifting commands on tiller
- Wired pendant control for tilting
- Armanni® Connect 4.0

For inquiries on custom made

ROTOR FE

fill up and send the form
to

export@armanni.com

Download the form

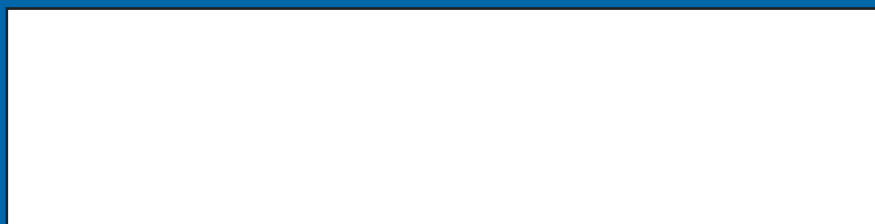
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