



CP Light PRF-F

Trolley with front rotating clamp for emptying drums

Catalog | Technical data sheet

CP LIGHT PRF-F

CP Light PRF-F is an ultracompact counterbalanced lift truck with a **front-rotating clamp for emptying drums**. Its compact dimensions, with a **footprint of only 1 m²**, allow maximum **agility** even in the **tightest spaces** and aisles. Thanks to its **counterbalanced configuration**, without front straddle legs, it can **approach pallets from any angle**; this configuration also allows it to **pick up drums directly from the ground**.



Key features

Designed to empty metal and plastic drums, round, square, conical, tall or short, from Ø 300 mm to Ø 600 mm, weighing up to 300 kg.

Pendant control available as an option to manage front rotation (drum emptying)

Battery up to 270 Ah. Lithium version available as an option

High-grip rollers, adaptable to different drum shapes

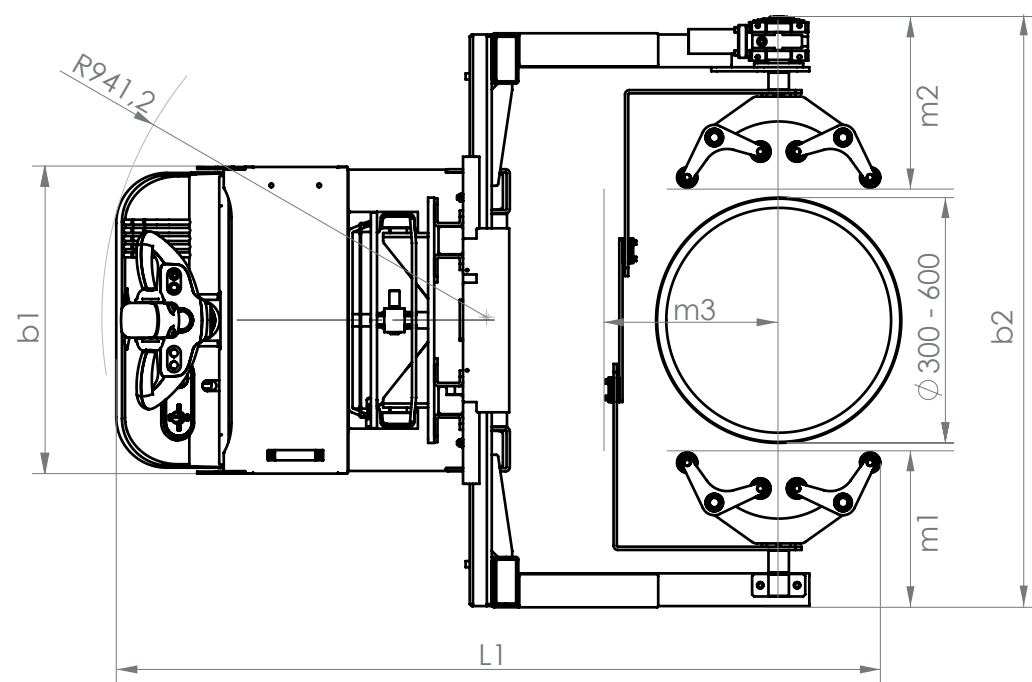
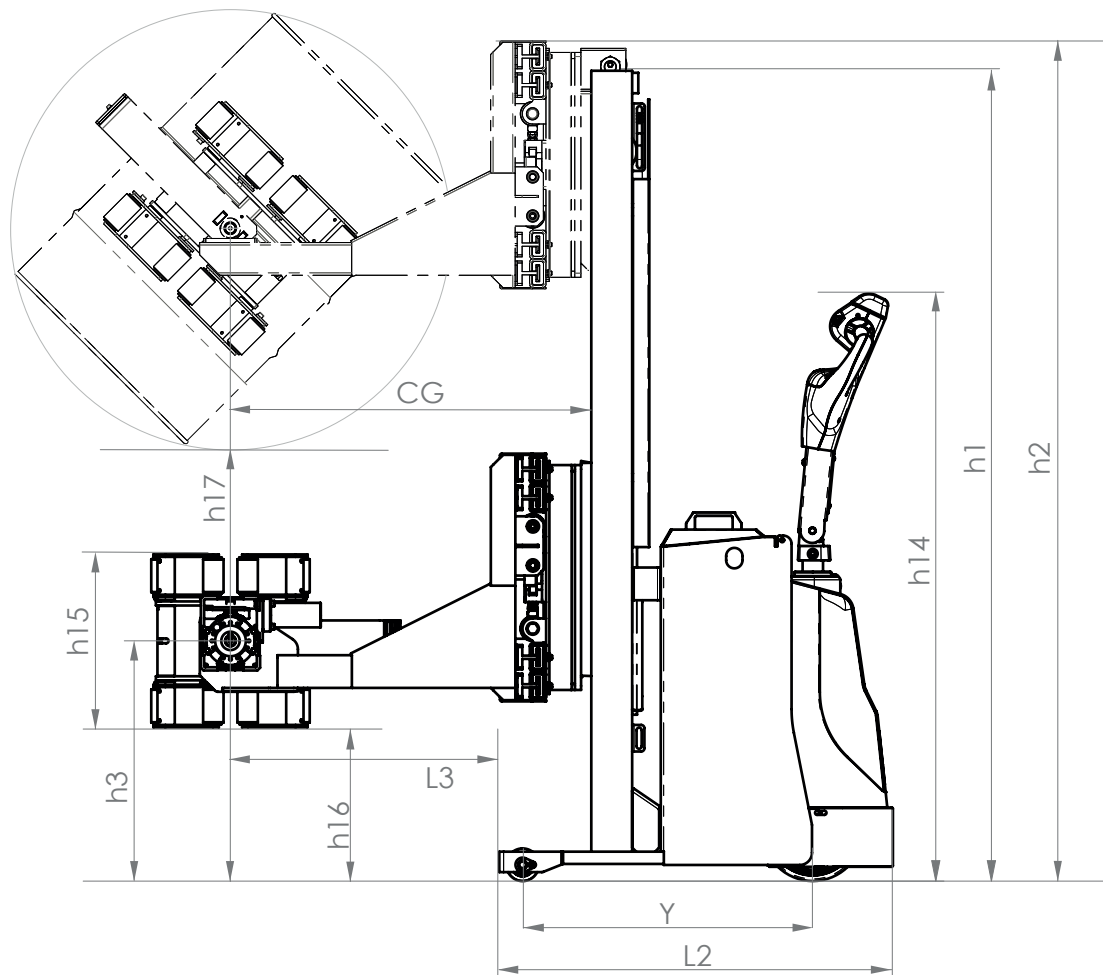
Stainless steel clamp and/or trolley available on request as an option.

Unique dimensions on the market with a footprint of only 1 m²

Main application:

- Frontal gripping and rotation of various types of drums to empty their contents

Dimensions



Technical data sheet

Overall dimension		
Overall height (with lowered equipment)	h1	1982 mm
Overall height	h2	2023 mm
Lifting height (at center of rotation)	h3	from 235 mm to 1480 mm
Min. and max. tiller height in driving position	h14	from ≈ 800 mm to ≈ 1440 mm
Clamping pads height (vertical position)	h15	423 mm
Min. and max clamping pads clearance in vertical position (0°)	h16	from 24 mm to 1268 mm
Maximum emptying height	h17	h3 max - (drum height / 2)
Center of gravity (center of rotation)	CG	883 mm
Overall width (without equipment)	b1	750 mm
Min. and max. equipment width	b2	from 933 mm to 1545 mm
Right side clamping pad thickness	m1	417 mm
Left side clamping pad thickness	m2	461 mm
Max. clamp thickness from drum center	m3	424 mm
Overall length	L1	1788 mm
Overall length (without equipment)	L2	963 mm
Overhang from the center of rotation	L3	588 mm
Turning radius	WA	941 mm
Wheelbase (traction wheel / front rollers)	Y	710 mm
Standard handling range / dimension of drums		
Diameter of the drums		from 300 mm to 600 mm
Height of the drums		from 470 mm to 1000 mm
Max. weight of the drums		300 Kg
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 steepness allowed with/without load		0 % / 2 %
Brake		electronic
Lifting capacity		300 Kg
Type of tilting		frontal
Tilting angle		360°
Tilting time (without load)		(0-180°) ≈ 20 sec / (0-360°) ≈ 40 sec
Trolley weight (with no battery)		1075 Kg
Wheels and Chassis		
Traction wheel / Front rolles		PU / PU
Number of wheels (support points)		3 (1 traction wheel, 2 front rollers)
Traction wheel dimension		Ø250 x 76 mm
Front rollers dimension		Ø80 x 70 mm
Clearance (at wheelbase center)		39 mm
Electronics		
Driving motor		1,2 KW AC
Lifting motor		2,2 KW elettro-idraulico
Voltage / battery max. nominal capacity		24V / 270 Ah
Voltage / charger max. nominal capacity		24 V / 20 A

Load chart

- **CP LIGHT PRF-F** is designed to lift and empty metal and plastic drums weighing **up to 300 kg** with dimensions within the following range:
- Drum's diameter: from **300 mm** to **600 mm**
- Drum's height: from **475 mm** to **1000 mm**

In addition to standard metal drums compliant with **EN 210** and standard plastic drums compliant with **EN 12707**, **CP LIGHT PRF-F** has been designed to grip cylindrical, conical, square, and rectangular drums, both with tri-sure screw caps or with tie-down lids.



Type 1:
Cylindrical,
with tri-sure screw cap



Type 2:
Cylindrical, closed
with tie-down lid



Type 3:
Cylindrical, closed
with tie-down lid



Type 4:
Square, closed
with screw cap



Type 5:
Cylindrical,
with tri-sure screw cap



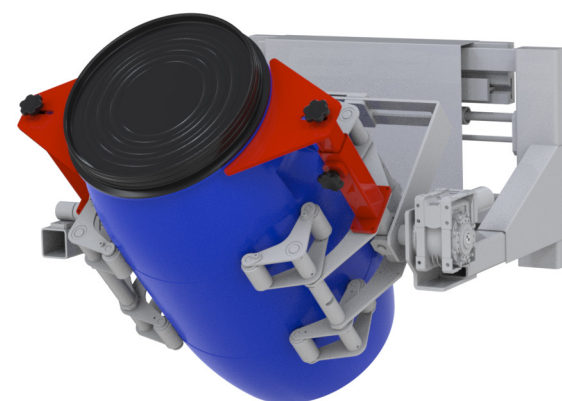
Type 6:
Square/rectangular,
with tri-sure screw cap

Below is a list showing the main drums tested with CP LIGHT PRF-F.

Material	Type	Diameter ø (mm)	Height h. (mm)	Capacity (Lt.)
Metal	1	585	880	220
Metal	1	380	587	60
Metal	1	305	475	30
Metal	2 *	380	602	60
Metal	2 *	512 - 576	968	220
Metal	2 *	595	885	220
Metal	2 *	480	780	120
Metal	2 *	580	900	220
Plastic	3 *	314	406	30
Plastic	3 *	578	603	136
Plastic	3 **	561	890	220
Plastic	3 *	480	760	120
Plastic	3 *	390	590	60
Plastic	3 **	602	950	220
Plastic	3 *	320	530	30
Plastic	3 *	400	610	60
Plastic	3 *	495	800	120
Plastic	3 **	590	965	220
Plastic	4 *	360x360	620	60
Plastic	4 *	500x370	895	120
Plastic	4 *	390x500	890	120
Plastic	5 **	602	850	220
Plastic	5	400	555	50
Plastic	5	400	630	60
Plastic	5	500	800	120
Plastic	5 **	581	935	220
Plastic	5	476	640	60
Plastic	6	395x335	600	60

* It is possible to handle the drum without the lid, by applying the closing strap to the drum.

** To handle this drum, you need to use the "soft drum adapter" accessory shown in the image below.



The soft drum adapter is available as an option for the CP Light PRF-F and is designed primarily for gripping 220-liter wide-edge plastic drums. This accessory has been designed to lift the drum and pour out its contents without causing excessive damage to the drum.

► Custom design

CP LIGHT PRF-F can be custom-made according to the customer's handling needs.

Some examples of customization may be:

- Longer frontal overhang
- Increased or decreased lifting height
- Custom clamp design for out-of-range drums

The **main options** of **CP LIGHT PRF-F** include:

- Lithium battery
- Custom painting
- Stainless steel version
- Pendant control
- Protective lexan
- Armanni® Connect 4.0

For inquiries on custom made

CP LIGHT PRF-F

fill up and send the form
to

export@armanni.com

Download the form

► Note

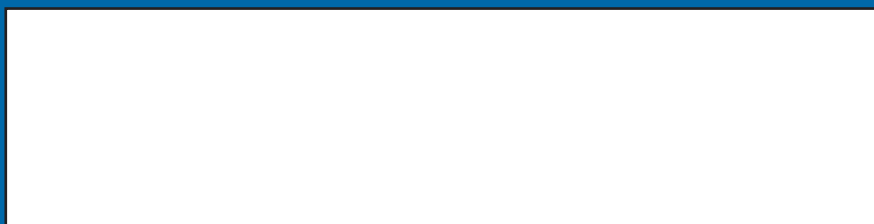
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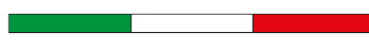
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