cps-group.com

Powerful Synergies



COPMA
108

HIGH POWER
MODEL

COPMA 108

Performance & Power



108 HAS THE HIGHEST LIFTING RANGE AND TOP POWER-WEIGHT RATIO COMBINING ADVANCED TECHNOLOGY FEATURES FOR MORE PERFORMANCE.

- **HIGH POWER model, load category - 10 Ton/Mt**
- **Essential in design, powerful in performance**
- **Robust arm system**
- **Simple and reliable**
- **Excellent operational safety**

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THE MOST POWERFUL CRANE FOR THE TOUGHEST MARKETS

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COPMA 108

More Safety & Security

DESIGNED WITH THE HIGHEST HYDRAULIC SYSTEMS AND THE TOUGHEST STRUCTURAL STEEL TO PERFORM THE MAXIMUM LIFTING CAPACITY.

- **Optimized and reliable hydraulic technology**
- **Column with high mechanical characteristics**
- **High Degree of User Friendliness**
- **Efficiency and Reliability thanks to essential design**
- **Excellent weight/performance ratio**

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DESIGNED FOR FLEXIBLE SERVICES

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COPMA 108
Technical Features

CUTTING EDGE FEATURES FOR MAXIMUM LIFTING POWER,STABILITY AND OPERATIONAL SAFETY IN EVERY WORKING CONDITION.

Standard features

- control * TAD control * CMS 1.0 control * TES 1.0 control
- structure RRP structure

optional features

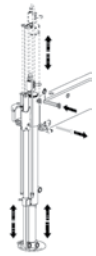
- easy use HLS 1.0 easy use
- control RRC 2.0 control RRC 3.0 control CRC 4.0 control

* CE version

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Hydraulic Lifting Stabilizers 1.0

Simplified vertical hydraulic lifting system: no auxiliary hydraulic devices are supplied. The stabilizer cylinder lifts up thanks to the presence of a sliding rod equipped with a braking pad which allows the stabilizer cylinder to slide vertically inside the bushing attached to the stabilizing



Transport Alert Device

Sensors on the basement control the correct closing of the beams and a column switch sensor indicates if the crane is in a folded position, no more than 4 Mt in height. The operator is warned with light and sound signals in the truck cabin.



Crane Monitoring System 1.0

Crane stability control system TES, with safety control and overload control for medium-small cranes. Controls the crane in 4 work areas, and each zone can have custom lifting settings depending on the vehicle stability.

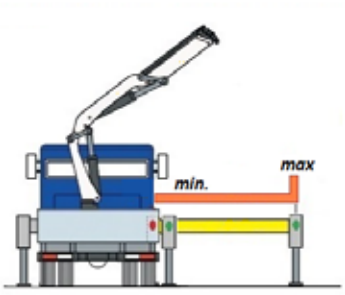


COPMA ® Remote Connectivity 4.0

COPMA® Remote Connectivity 4.0 to the crane.
Two-way communication by GPRS for real-time diagnosis and remote real-time parameter setting and/or adjustment.

Truck Electronic Stability 1.0

Active stability control for performance optimization according to the type of stabilization (1) to guarantee maximum safety in all working conditions. Mandatory in the CE market, it helps a better vehicle-crane configuration.



Radio Remote Control 2.0

Radio remote control with the electro-hydraulic actuator connected directly to the standard control valve. The remote control allows operating the crane while continually monitoring the areas of operation.



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Rotation system with Rack and Pinion

The rotation system with rack and pinion is the best optimal solution for the most performative lifting capacity, it reduce the weights and crane dimension for the most compact configuration.



Radio Remote Control 3.0

Radio control with directly flanged actuation electronics with proportional distribution.
The remote control allows operating the crane while constantly monitoring the areas of operation.

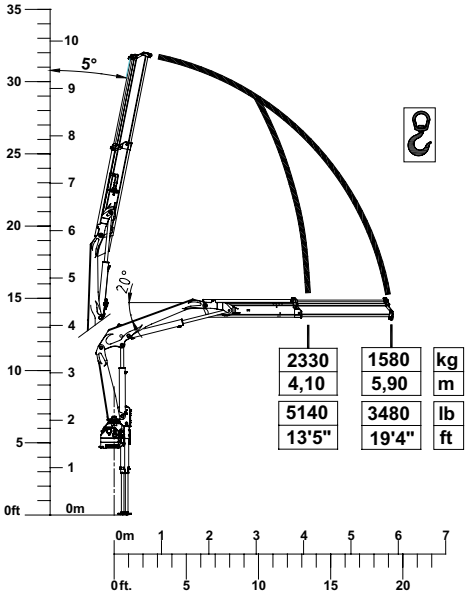


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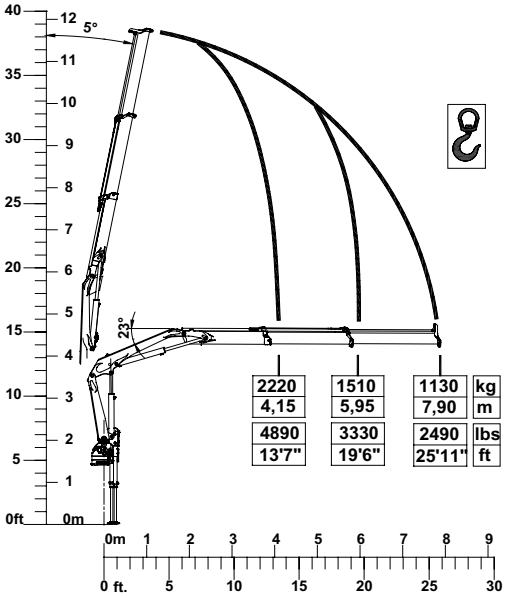
108 HIGH POWER

Load Charts

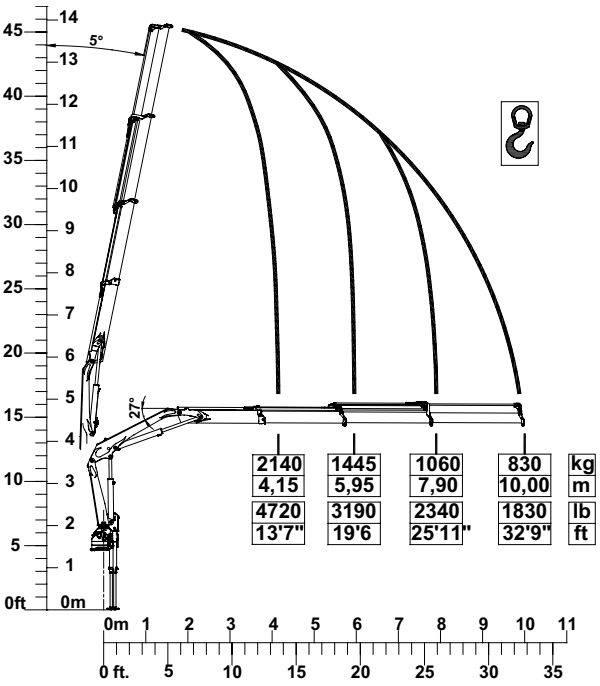
1 extensions



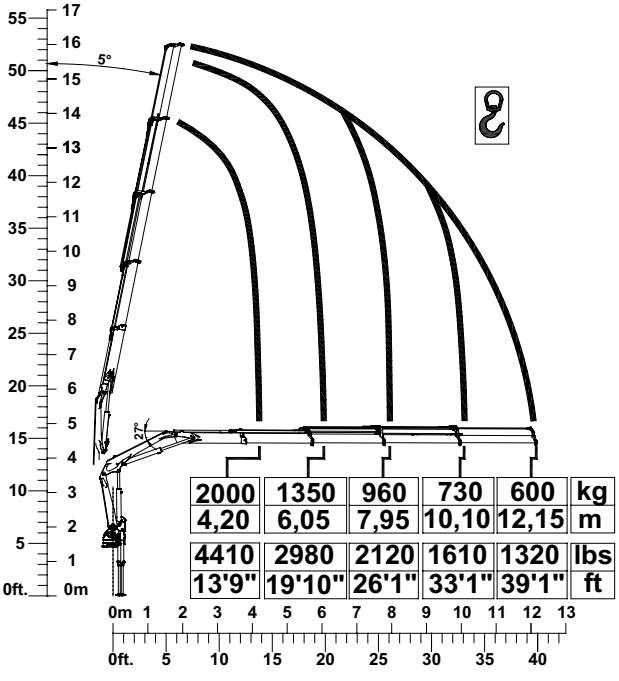
2 extensions



3 extensions

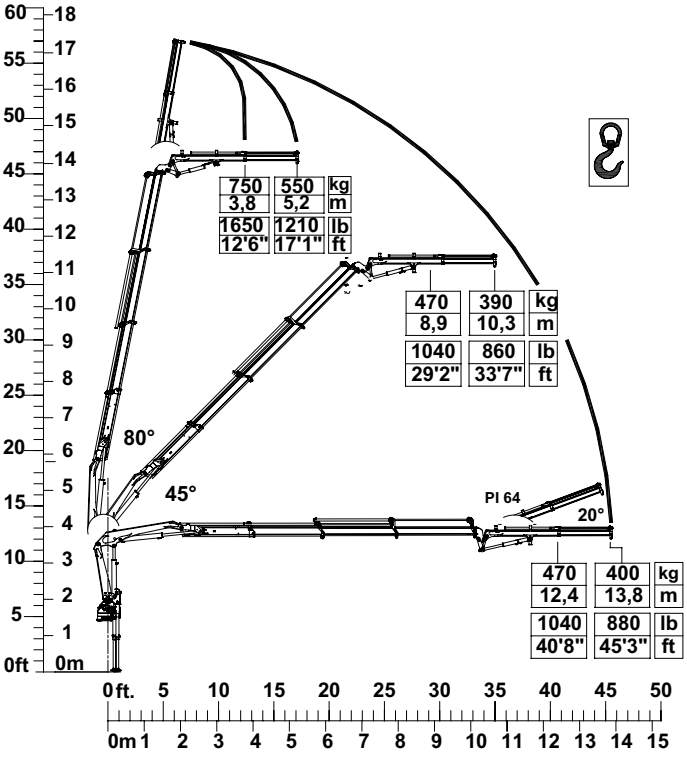


4 extensions

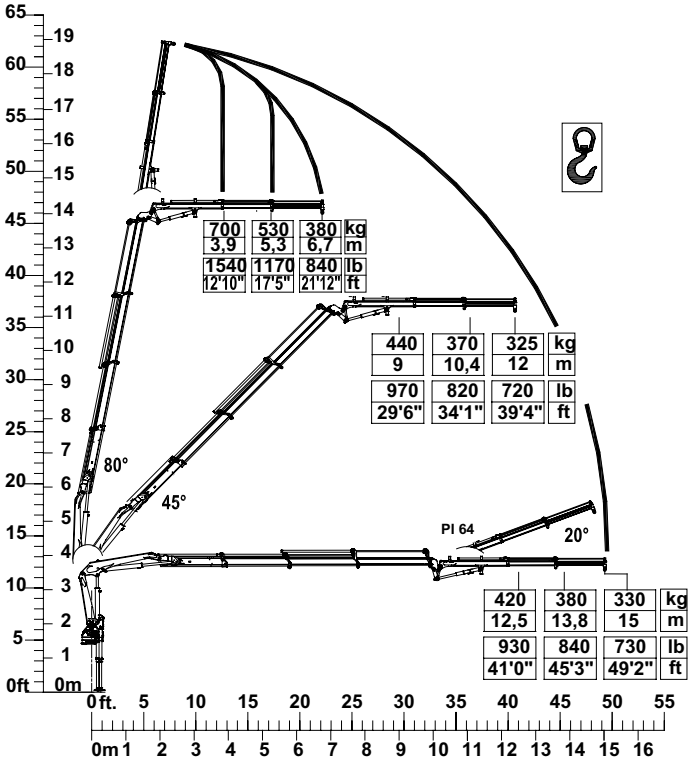


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108.3J1



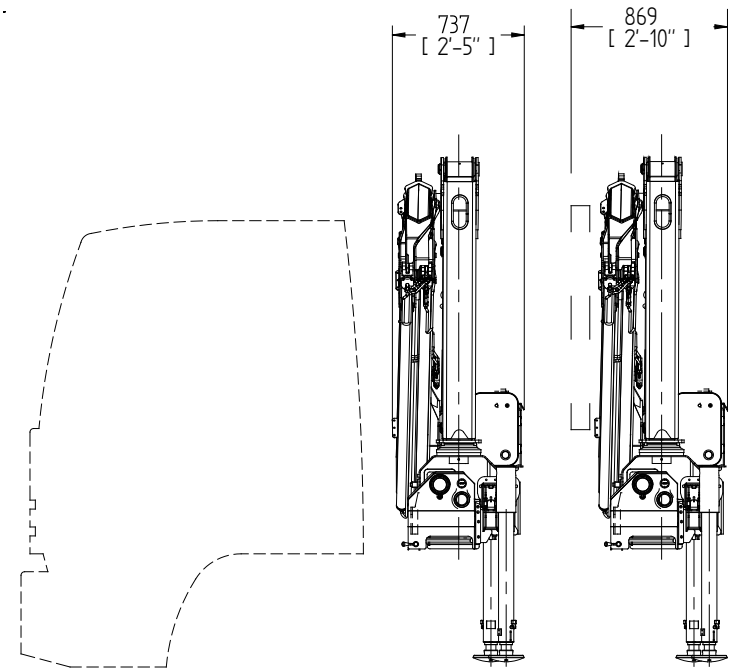
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Crane Dimensions

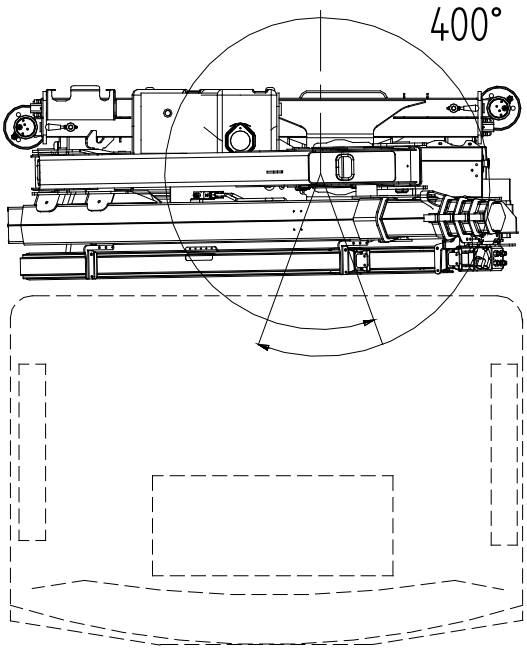
back cabin left



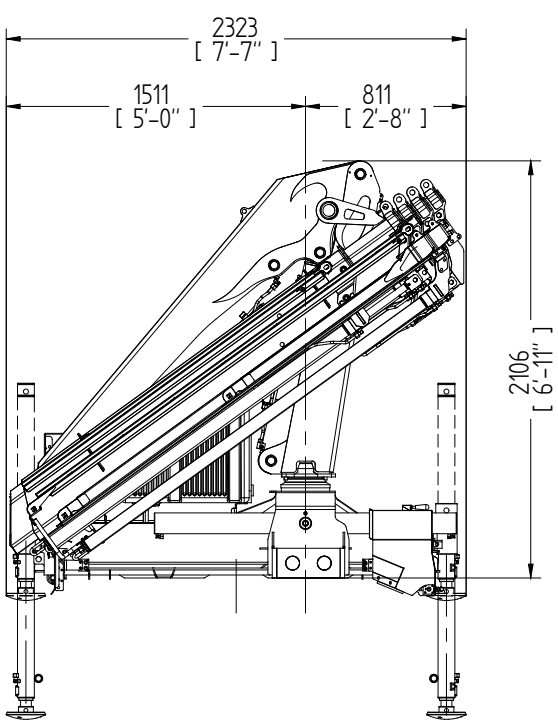
With extra functions hose-reel (108.4)

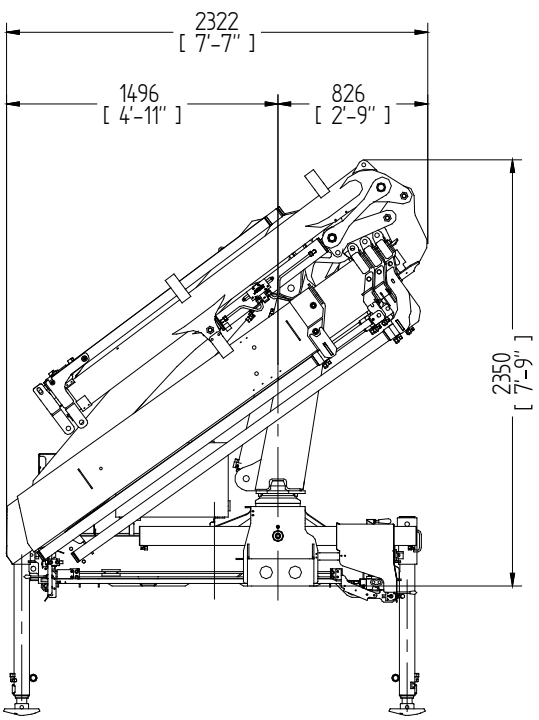
with track chain vers. 4

top cabin



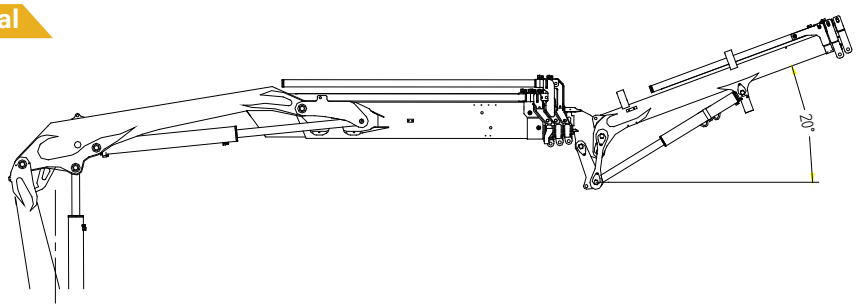
rear truck

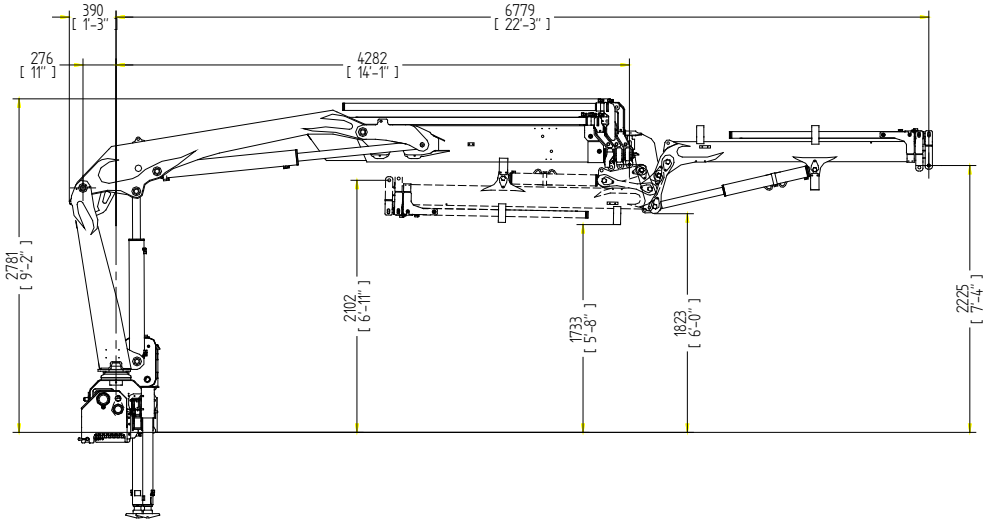




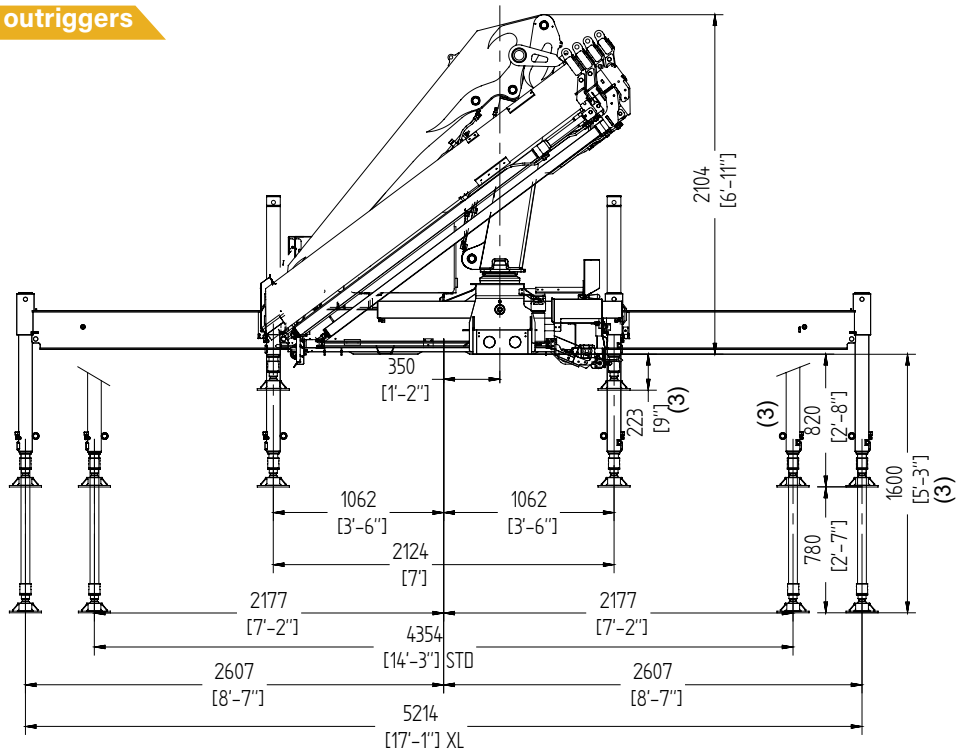
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operational





extended outriggers



* Note: Technical features are not binding. The company reserves itself the right to any modification without notice

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Technical Data

summarized data

	kN.m	bar	l/min	kg	°	mm	mm	mm	mm
108.1	93.7	285	25[1]	1070	400	2323	737	2106	4354/5214
108.2	90.4	285	25[1]	1160	400	2323	737	2106	4354/5214
108.3	87.1	285	25[1]	1260	400	2323	737	2106	4354/5214
108.3J1	87.1	285	25[1]	1400	400	2323	869	2350	4354/5214
108.3J2	87.1	285	25[1]	1430	400	2323	869	2350	4354/5214
108.4	61.7	285	25[1]	1370	400	2323	737	2106	4354/5214

[1]with STD control valve

	lbs.ft	psi	gal/min	lbs	°	ft/inc	ft/inc	ft/inc	ft/inc
108.1	69109	4133	6,6[1]	2360	400	7'7"	2'1"	6'1"	14'3"/17'11"
108.2	66675	4133	6,6[1]	2560	400	7'7"	2'1"	6'1"	14'3"/17'11"
108.3	64242	4133	6,6[1]	2780	400	7'7"	2'1"	6'1"	14'3"/17'11"
108.3J1	64242	4133	6,6[1]	3090	400	7'7"	2'10"	7'9"	14'3"/17'11"
108.3J2	64242	4133	6,6[1]	3150	400	7'7"	2'10"	7'9"	14'3"/17'11"
108.4	32549	4133	6,6[1]	3020	400	7'7"	2'1"	6'1"	14'3"/17'11"

[1]with STD control valve

technical data

Max. lifting moment	93.7 kNm	69109 ft.lbs
Max. hydraulic outreach	12.4 m	40'8"
Slewing angle	400°	400°
Slewing torque	1200 daNm	8680 ft.lbs
Stabilizer spread	4.35/5.20 mt	14'9"/16'11"
Fitting space required (min./max)	0.73/0.86 m	2'1"/2'9"
Width folded	2.3 m	7'7"
Max. operating pressure	285 bar	4133 psi
Recommended pump capacity	25 l/min	6.6 US gal./min
Dead weight (vers .1)	1000 kg	2205 lbs

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GET READY TO A BETTER LIFTING EXPERIENCE

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COPMA 108



knuckle boom cranes

Powerful Synergies

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