cps-group.com

Powerful Synergies



COPMA® 42

ESSENTIAL
MODEL

COPMA 42

Performance & Power

42 IS INNOVATIVE ENGINEERING FOR TOP PRECISION, EFFICIENCY, SPEED AND PERFORMANCE. AN ESSENTIAL MASTERPIECE OF LIFTING TECHNOLOGY.

- **ESSENTIAL model, load category - 4 Ton/Mt.**
- **Essential in design, powerful in performance**
- **Robust arm system**
- **Simple and reliable**
- **Excellent operational safety**

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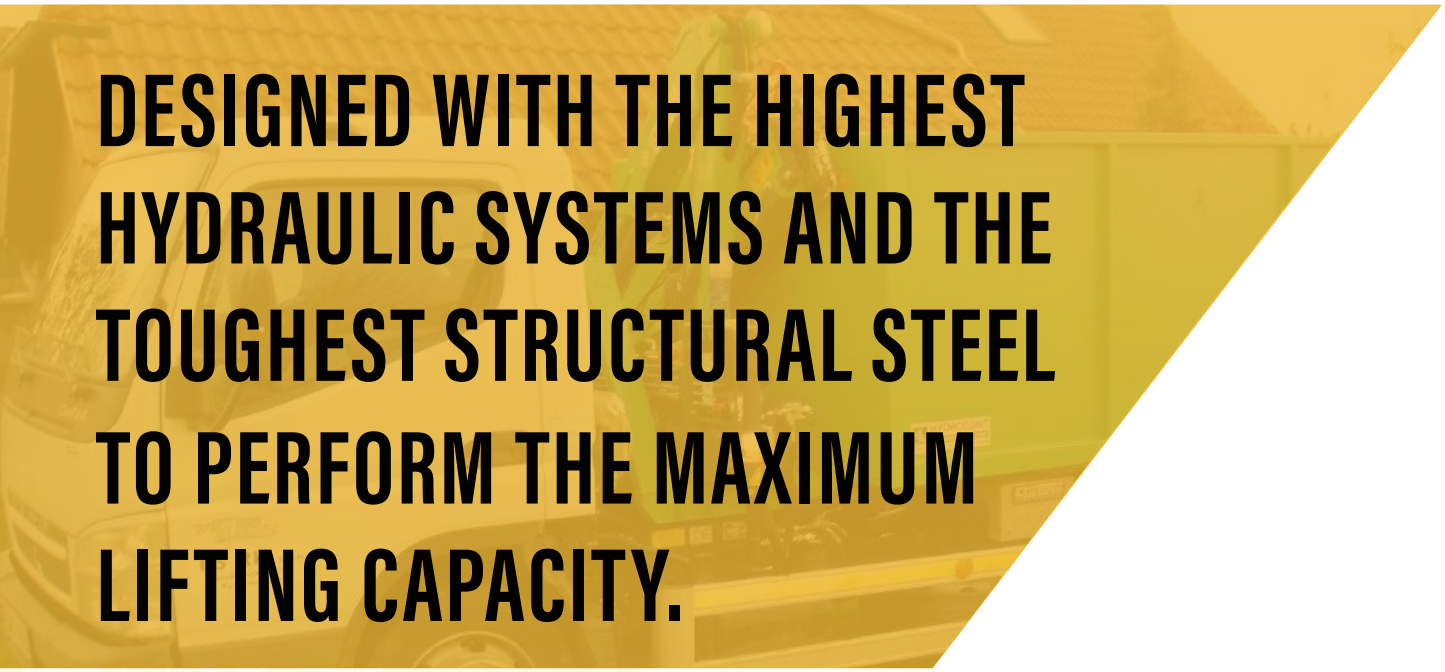


THE MOST POWERFUL CRANE FOR THE TOUGHEST MARKETS

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COPMA 42

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 42
Technical Features

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

Standard features

- easy use — MLS 1.0 easy use
- control * — TAD control
- structure — RRP structure, CCLS structure

optional features

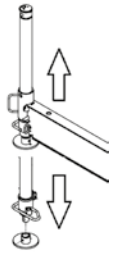
- control — RRC 2.0 control, RRC 3.0 control, CRC 4.0 control

* CE version

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Manual Lifting Stabilizers 1.0

Manual lifting of the crane legs.
The manual lifting of the legs helps the operator adjust its extension manually without additional assistance from electronics or hydraulic controls.



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.



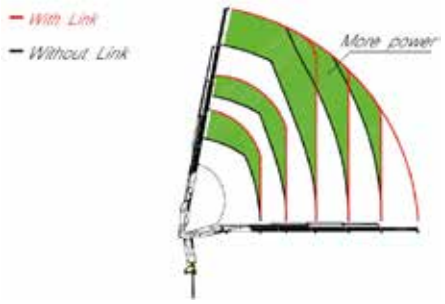
Rotation SYSTEM WITH Rack AND Pinion

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.



Constant Control Link

The cranes equipped with connecting rods on the articulations, with a constant lifting moment over the entire working arc, allow to 100% optimize the crane's capacity in positions close to the maximum vertical.



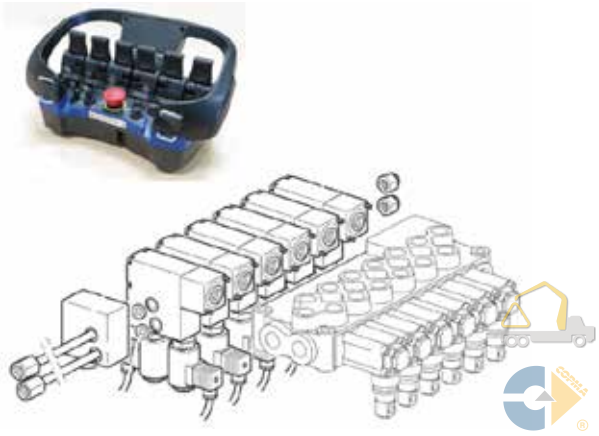
Radio Remote Control 3.0

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



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.



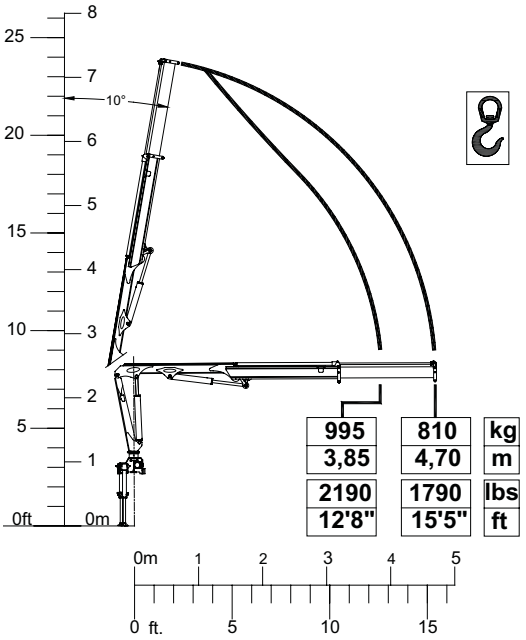
COPMA ® Remote Connectivity 4.0

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.

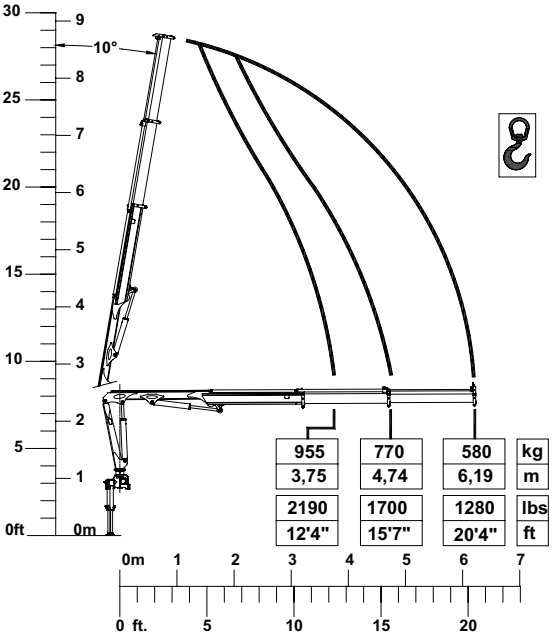
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Load Charts

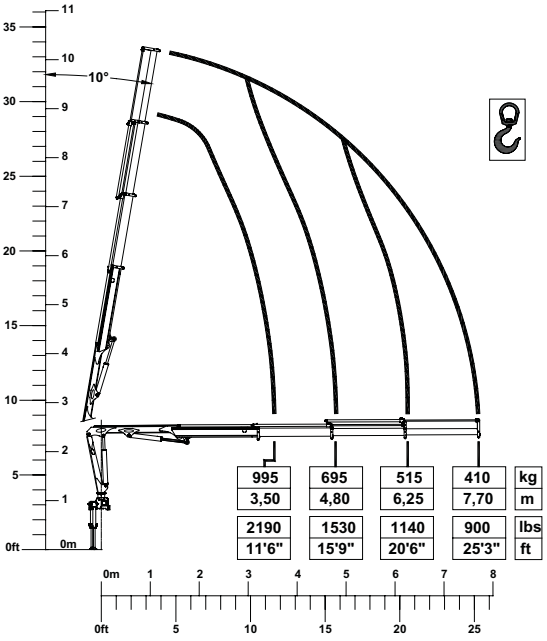
1 extensions



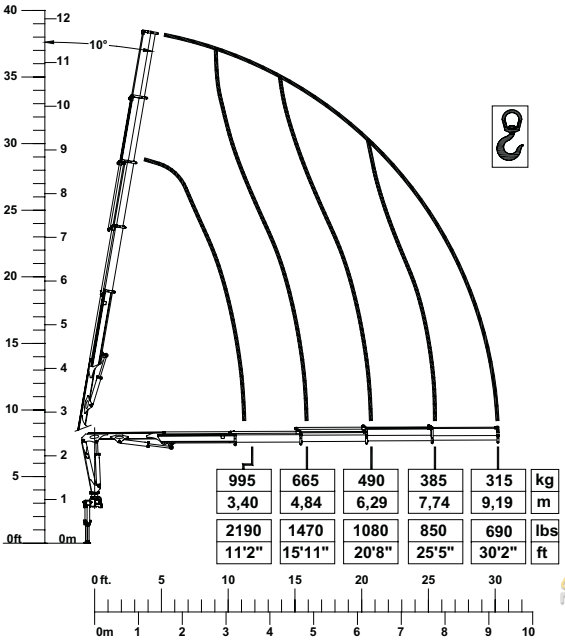
2 extensions



3 extensions



4 extensions

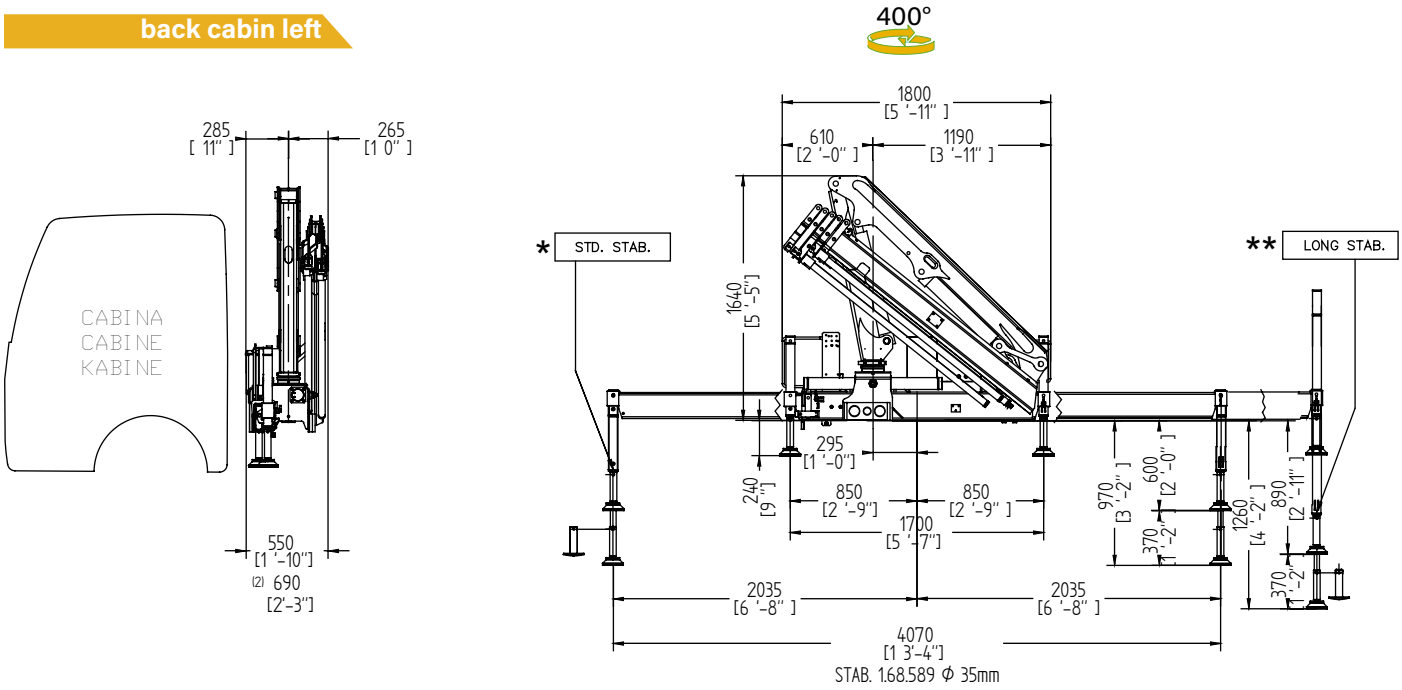


* Note: technical features are not binding. The company reserves itself the right to any modification without notice

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Crane Dimensions

back cabin left

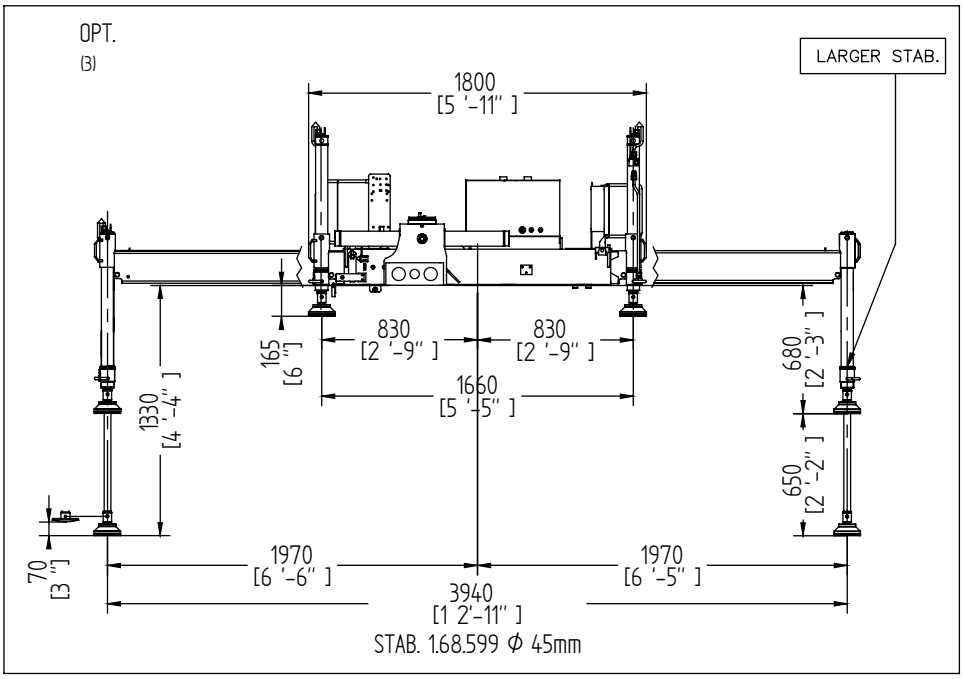


(2) 650 [2'-2"]with track chain versions 1-2

(2) 690 [2'-3"]with hose reel versions 3-4

OPT.

3)Larger stabilizer legs



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42 ESSENTIAL

Technical Data

summarized data

	kN.m	bar	l/min	kg	°	mm	mm	mm	mm
42.1	37,6	295	13[1]	510	400	1784	550	1630	4000
42.2	36,6	295	13[1]	550	400	1784	550	1630	4000
42.3	34,2	290	13[1]	590	400	1840	550	1630	4000
42.4	33,2	290	13[1]	620	400	1840	550	1630	4000

[1]with STD control valve

	lbs.ft	psi	gal/min	lbs	°	ft/inc	ft/inc	ft/inc	ft/inc
42.1	27196	4278	3,43[1]	1120	400	5'10"	1'10"	5'4"	13'1"
42.2	26473	4278	3,43[1]	1210	400	5'10"	1'10"	5'4"	13'1"
42.3	24708	4205	3,43[1]	1300	400	6'1"	1'10"	5'4"	13'1"
42.4	23999	4205	3,43[1]	1370	400	6'1"	1'10"	5'4"	13'1"

[1]with STD control valve

technical data

Max. lifting moment	37,6 kNm	27196 ft.lbs
Max. hydraulic outreach	9.19 m	30'2"
Slewing angle	400°	400
Slewing torque	455 daNm	3291 ft.lbs
Stabilizer spread	4.03 mt	13'3"
Fitting space required (min./max)	0.65/0,79 m	2'2"/2'7" ft.inc
Width folded	1,84 m	6'0"
Max. operating pressure	295 bar	4278 psi
Recommended pump capacity	10 l/min	2.6 US gal./min
Dead weight (vers .1)	510 kg	1120 lbs

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GET READY TO A BETTER LIFTING EXPERIENCE

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COPMA
42



knuckle
boom
cranes

Powerful Synergies

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