



Powerful Synergies



COPMA

78

**ESSENTIAL
MODEL**

COPMA 78

Performance & Power

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

- **ESSENTIAL model, load category - 7 Ton/Mt.**
- **Essential in design, powerful in performance**
- **Robust arm system**
- **Simple and reliable**
- **Excellent operational safety**





**THE MOST
POWERFUL
CRANE FOR
THE TOUGHEST
MARKETS**



COPMA 78

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**





DESIGNED FOR FLEXIBLE SERVICES



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Technical Features

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

Standard features

- easy use



- control



- structure



optional features

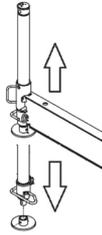
- control





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.



Crane Monitoring System 1.0

Crane stability control system TES1-TES2, 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.



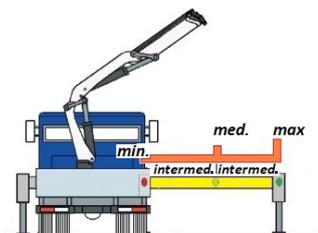
Crane Monitoring System 2.0

Crane stability control system TES2-TES3 with safety and overload controls and HPVE lifting speed management. Active control on 4-8 working areas according to the model and vehicle stability requirements.



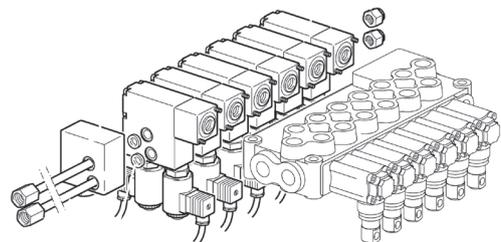
Truck Electronic Stability 2.0

Active stability control for performance optimization according to the type of stabilization (2) 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

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.





Rotation Rack Pinion

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.



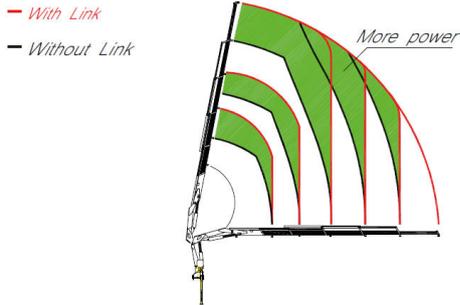
Radio Remote Control 3.0

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



Constant Control Link

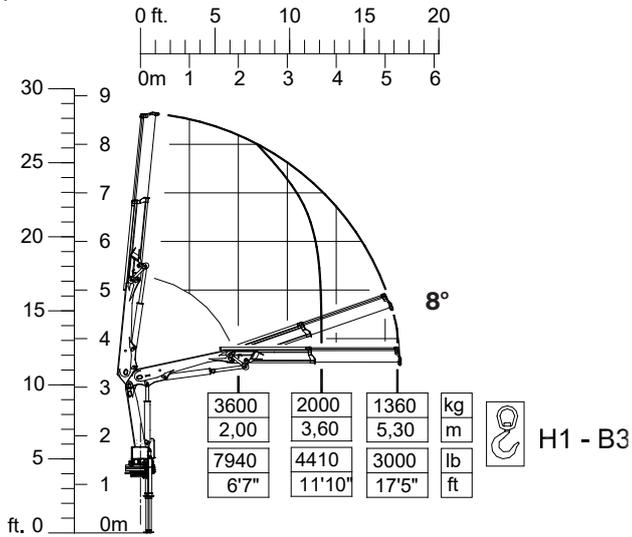
The cranes equipped with connecting rods on the articulations, with a constant lifting moment over the entire working arc, allow to 100% optimize the crane's capacity in positions close to the maximum vertical.



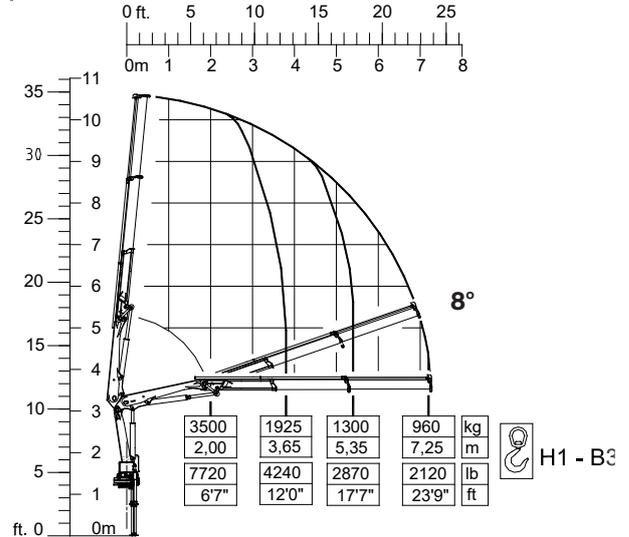
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Load Charts

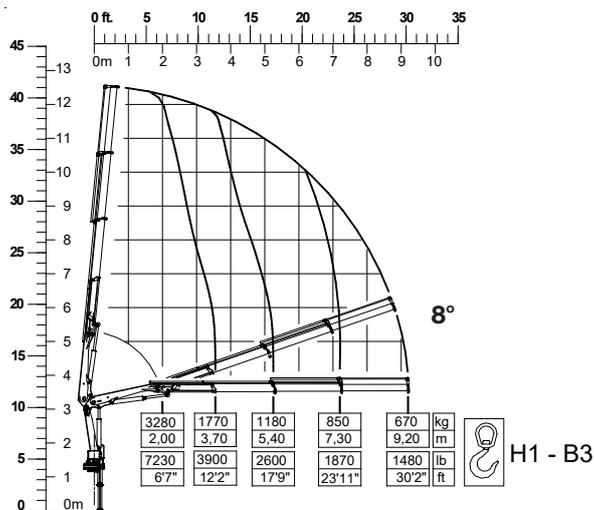
1 extensions



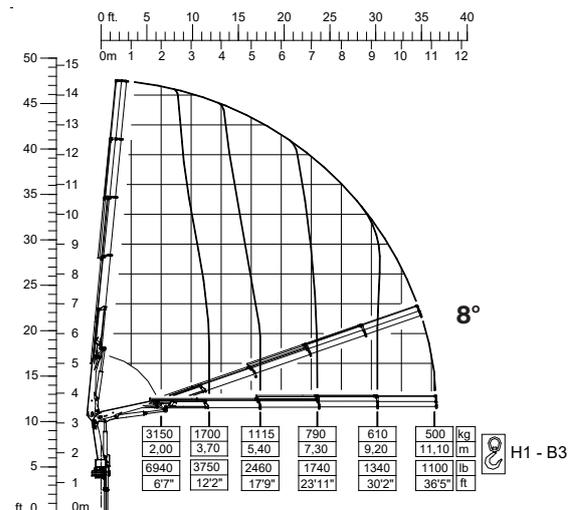
2 extensions



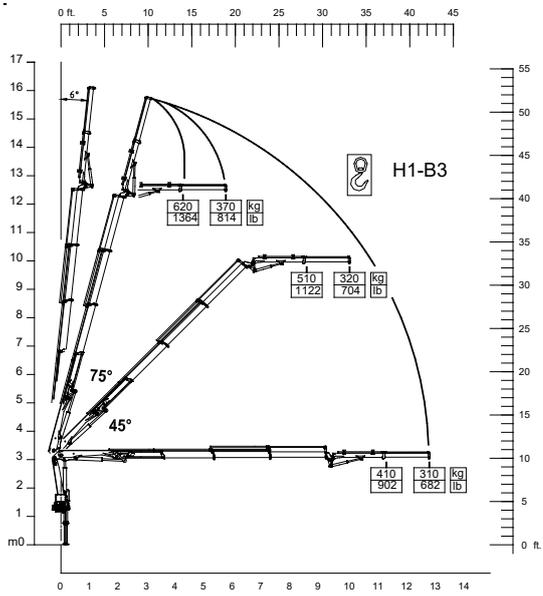
3 extensions



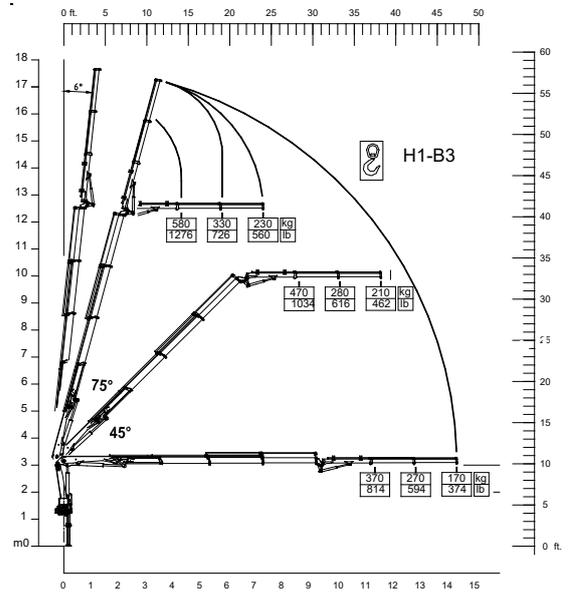
4 extensions



78.3 + J1



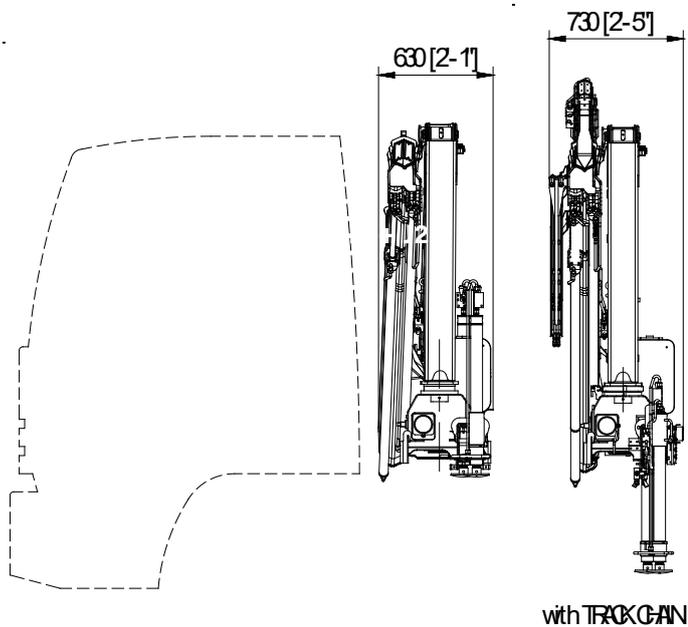
78.3 + J2



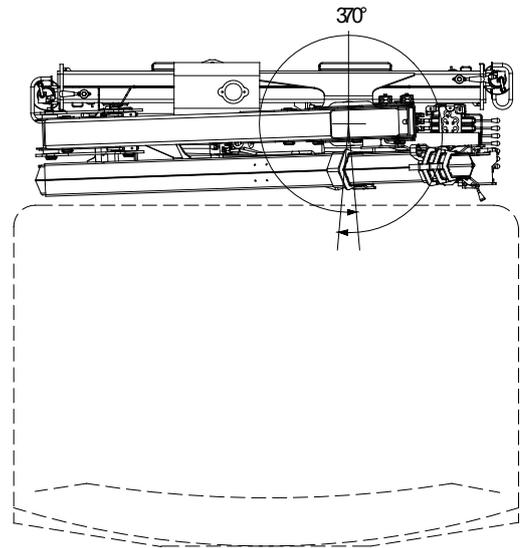
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Crane Dimensions

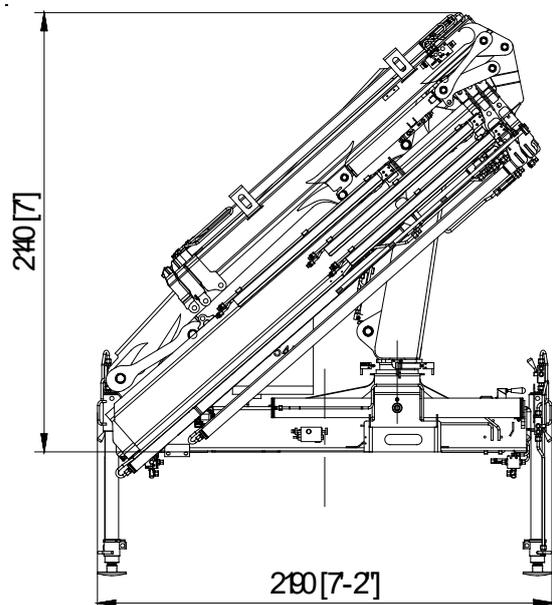
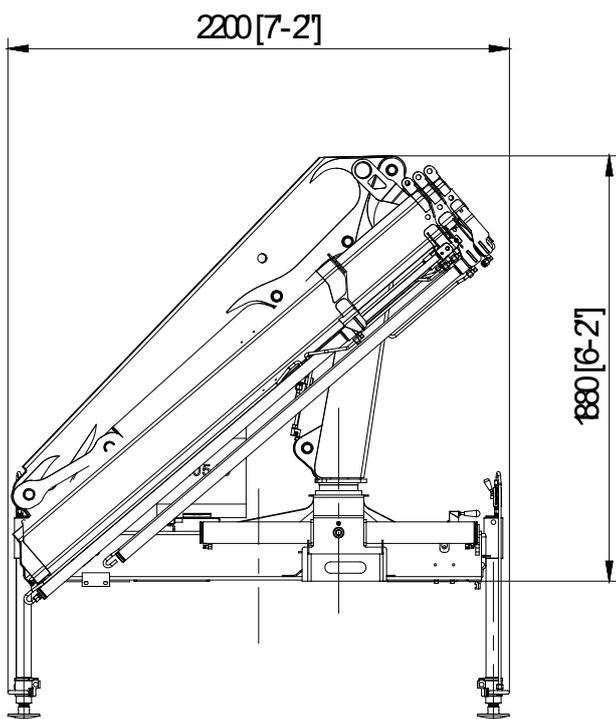
back cabin left



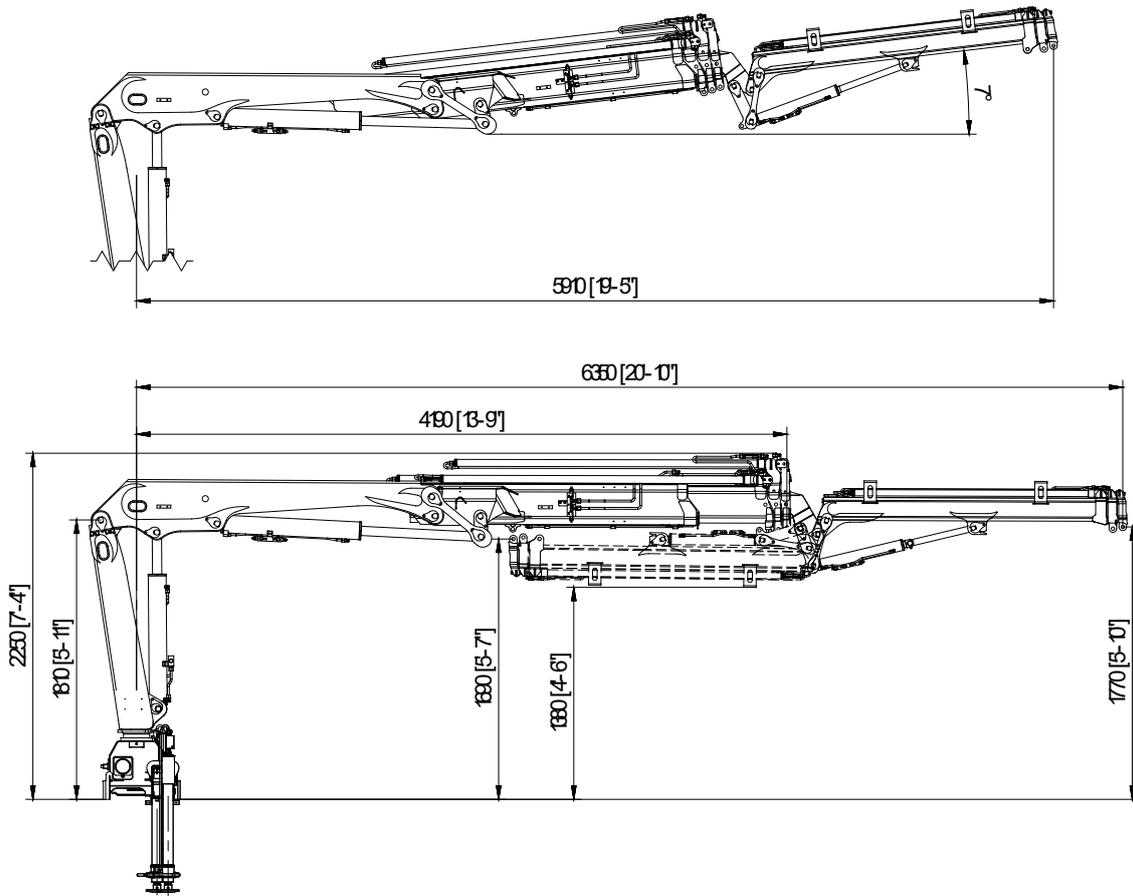
top cabin



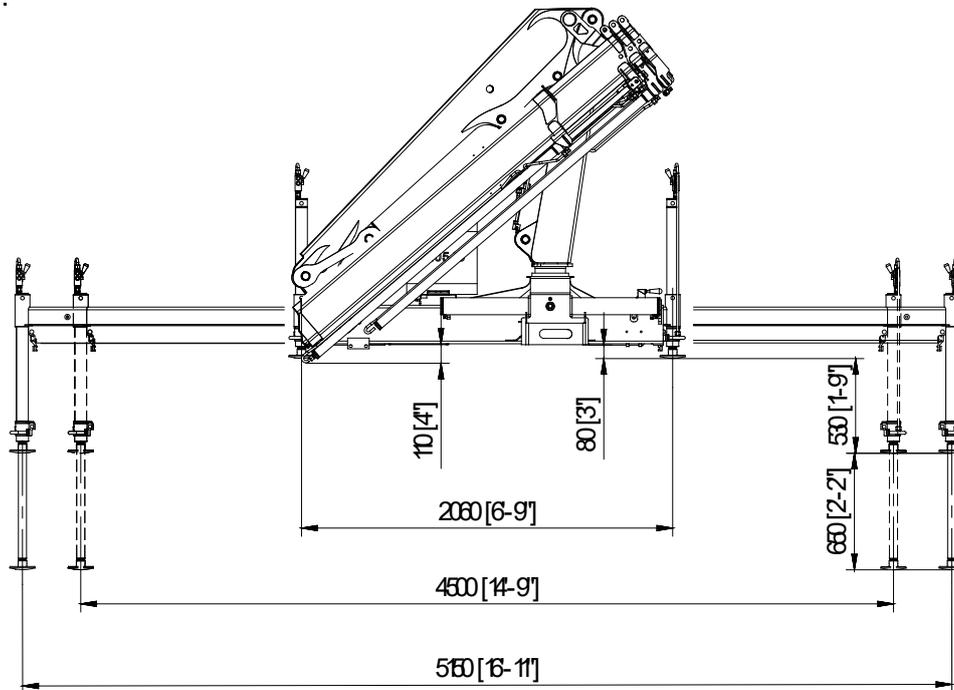
rear truck



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
78.1	70.6	300	25	800	370	2195	627	1876	4500/5150
78.2	68.9	300	25	870	370	2195	627	1876	4500/5150
78.3	64.3	300	25	930	370	2195	627	1876	4500/5150
78.3J1	64.3	300	25	1080	370	2195	733	2137	4500/5150
78.3J2	64.3	300	25	1110	370	2195	733	2137	4500/5150
78.4	61.7	300	25	890	370	2195	627	1876	4500/5150

									
	lbs.ft	psi	gal/min	lbs	°	ft/inc	ft/inc	ft/inc	ft/inc
78.1	51065	4350	6,6	1765	370	7'2"	2'1"	6'2"	14'9"/16'11"
78.2	49855	4350	6,6	1918	370	7'2"	2'1"	6'2"	14'9"/16'11"
78.3	33272	4350	6,6	2046	370	7'2"	2'1"	6'2"	14'9"/16'11"
78.3J1	33272	4350	6,6	2380	370	7'2"	2'5"	7'0"	14'9"/16'11"
78.3J2	33272	4350	6,6	2445	370	7'2"	2'5"	7'0"	14'9"/16'11"
78.4	32549	4350	6,6	2200	370	6'6"	2'1"	6'3"	14'9"/16'11"

technical data

Max. lifting moment	70.6 kNm	51065 ft.lbs
Max. hydraulic outreach	11.22 m	36'
Slewing angle	370°	370°
Slewing torque	900 daNm	6510 ft.lbs
Stabilizer spread	4.50/5.15 mt	14'9"/16'11"
Fitting space required (min./max)	0.63/0.73 m	2'1"/2'5"
Width folded	2.2 m	7'2"
Max. operating pressure	300 bar	4350 psi
Recommended pump capacity	25 l/min	6.6 US gal./min
Dead weight (vers .1)	800 kg	1765 lbs

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**GET READY TO A
BETTER LIFTING
EXPERIENCE**



COPMA 78



knuckle
boom
cranes



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CPS



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STEEL**

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