



Powerful Synergies



cps-group.com



COPMA

238

**ESSENTIAL
MODEL**

COPMA 238

Performance & Power

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

- **ESSENTIAL model, load category - 23 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 238

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

- easy use    
- control   

*E.C. market specific equipment





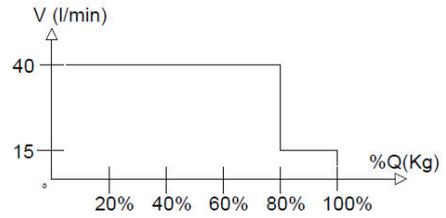
Crane Monitoring System 1.0

Crane stability control system TES1-TES2, safety control and overload control for medium-small cranes. Controlling the crane in 4 work areas, each area can have custom lifting settings depending on the vehicle stability.



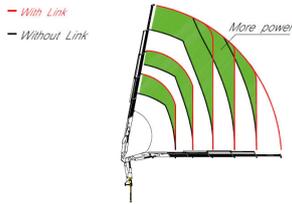
High Power Velocity Hydraulic

Fully automatic hydraulic system for adjusting the crane lifting speed according to the maximum working pressure. With this system load capacity of the machine is optimized by reducing the dynamic structural effects.



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.



Transport Alert Device

Sensors on the basement guarantee 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.



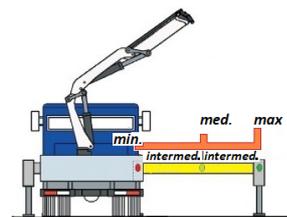
Rotation Rack Pinion

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.



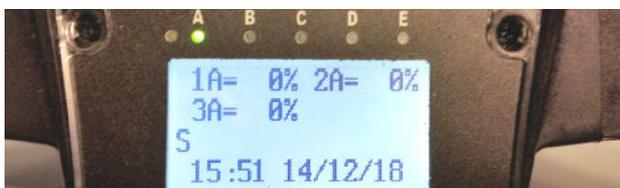
Truck Electronic Stability 2.0

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.



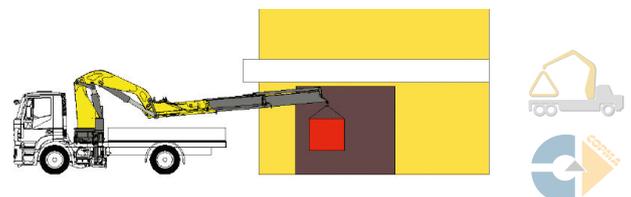
Electronic Radio Display

A display on the remote control allows the operator to maintain the total control of all the crane functions in real time by managing the work mode, the stability control, and oversee any maintenance and diagnostic messages.



Negative Boom System

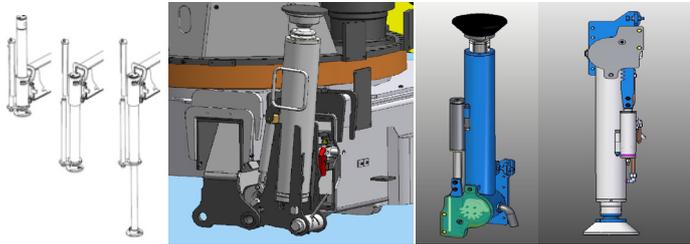
The linkage on the articulation of the secondary boom permits the introduction of loads within restricted spaces. It enables the recovery of the deflection of the extension boom group due to the weight and the load raised on the extensions.





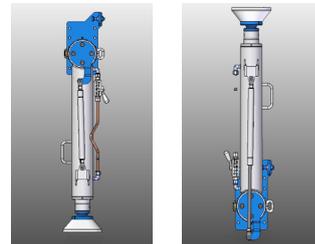
Hydraulic Lifting Stabilizers 2.0

The cylinder of the stabilizer is lifted with an auxiliary jack, allowing the vertical movement within the bushes or rotating around a pin. It saves operative time in increasing the security of the setup.



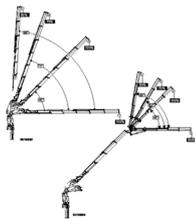
Manual Lifting Stabilizers 2.0

Manual raising of the stabilizers facilitated by a compressed gas cylinder which assists the operator during the rotation of the jack. This system assists the operator with less effort in adjusting the legs.



Winch Linear Control

The winch linear electronic control allows pulling the rope according to the working angle of the crane and the JIB. It optimizes the load control and makes every movement easier and safer.



High Speed Extension

Hydraulic system for reducing load losses and bottlenecks for the correct output sequence of the extensions by increasing the speed of 30%-60% thanks to the regenerative valve. Greater continuous performance thanks to lower fluid temperature.



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.



Radio Remote Control 3.0

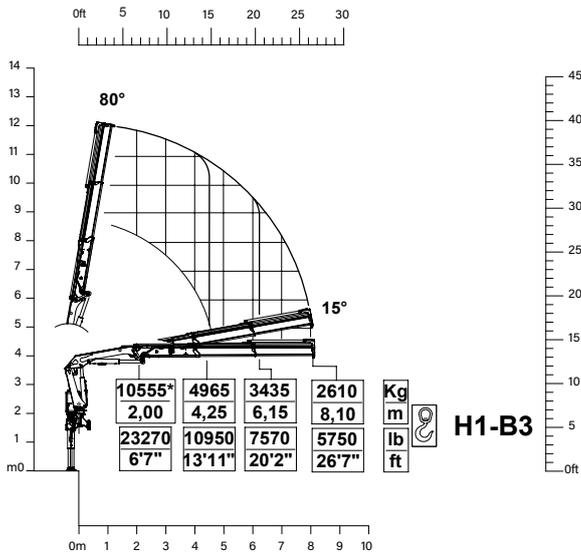
Radio control with directly flanged actuation electronics with proportional distribution. The remote control allows operating the crane while constantly monitoring the areas of operation.



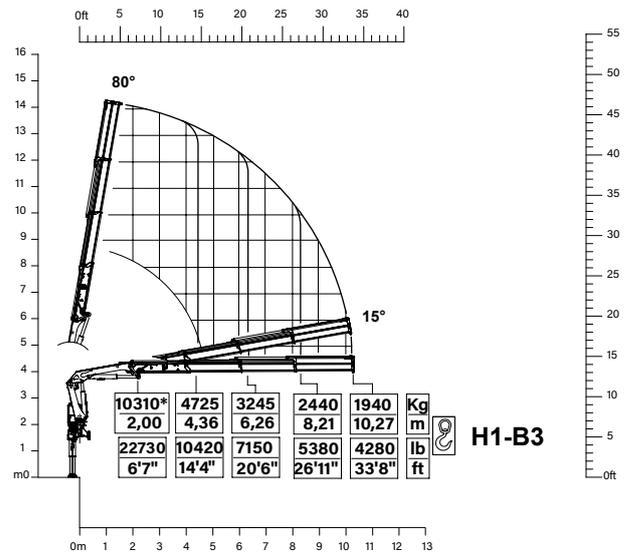
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Load Charts

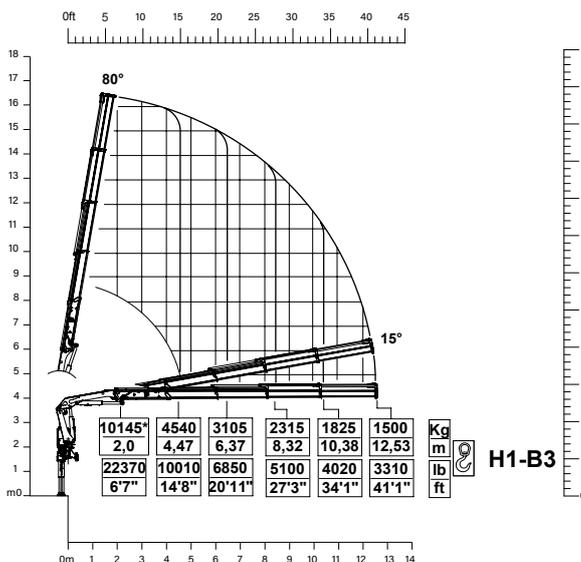
2 extensions



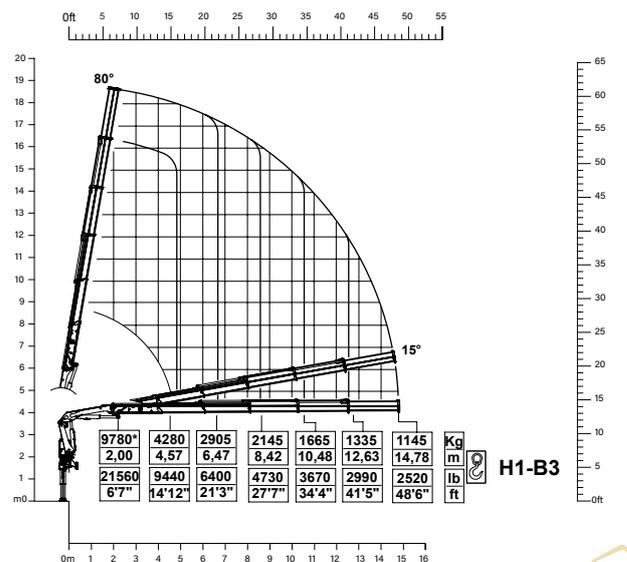
3 extensions



4 extensions



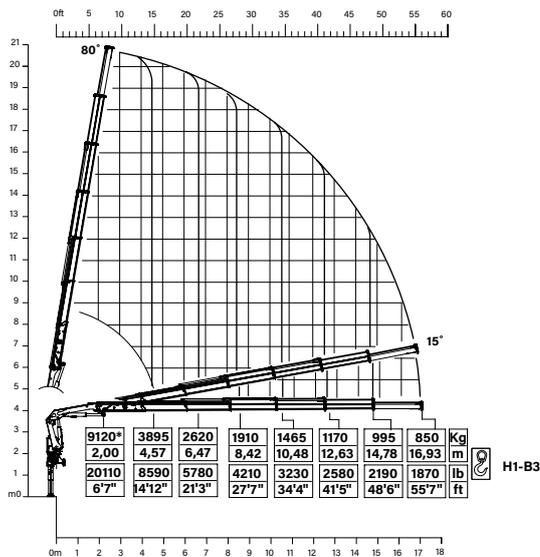
5 extensions





**SUPERIOR
RELIABILITY
FOR EVERY
OPERATOR**

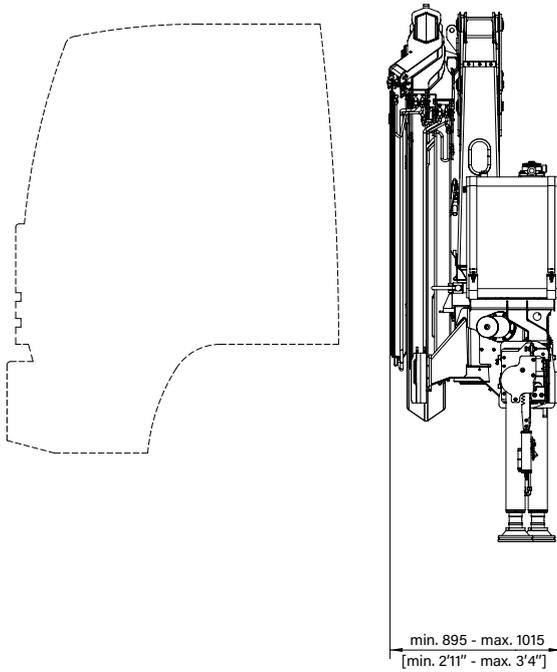
6 extensions



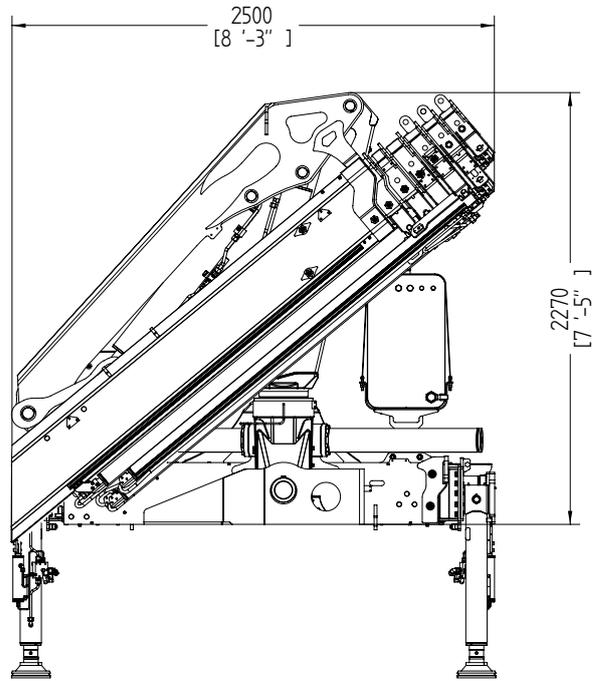
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Crane Dimensions

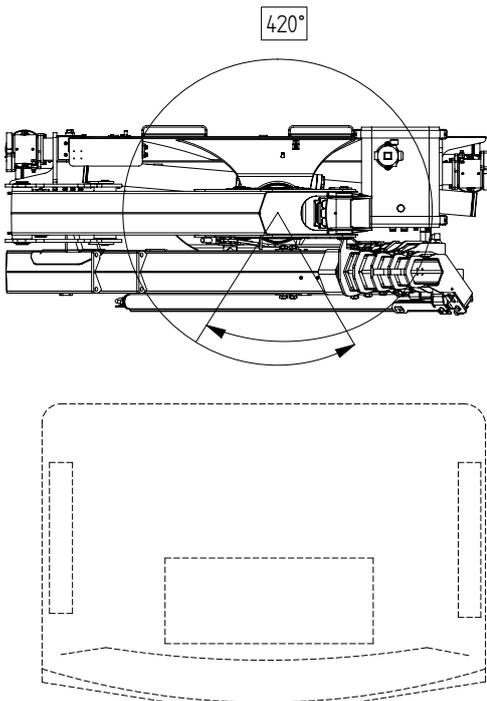
back cabin left



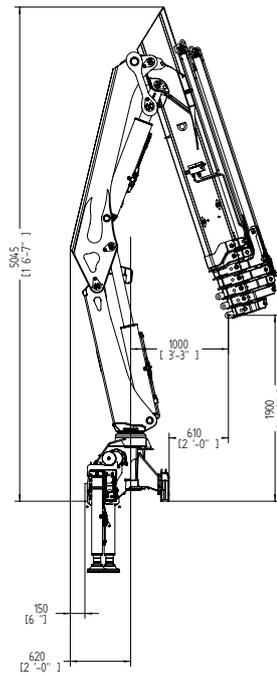
rear truck



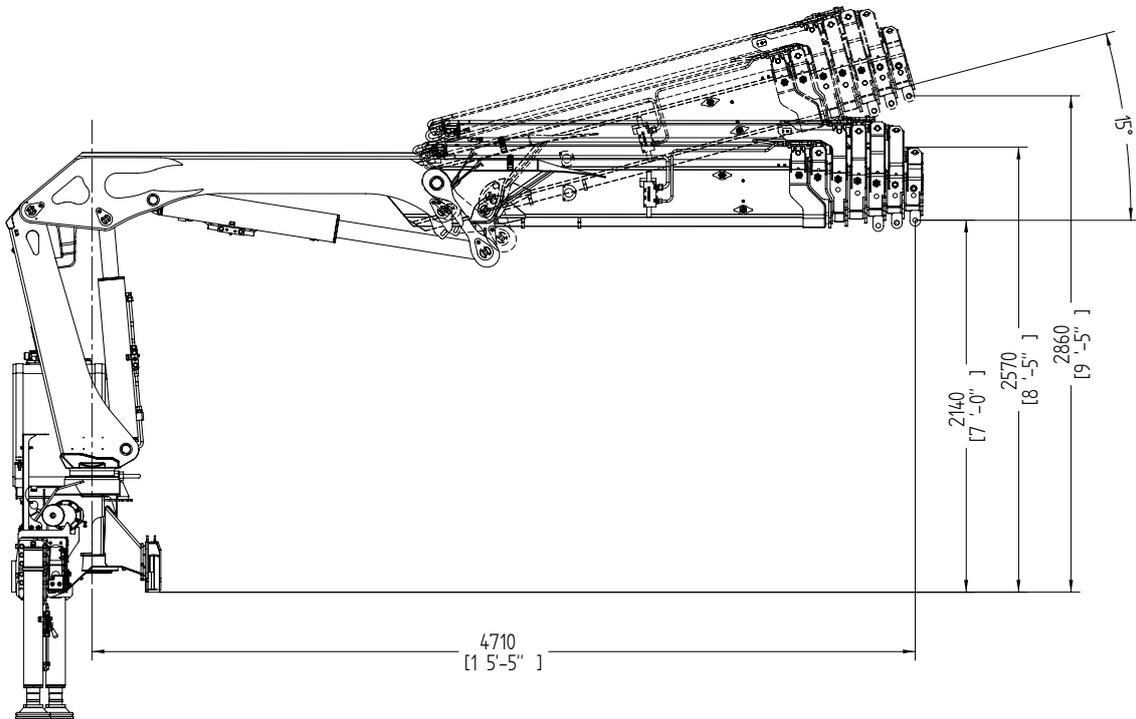
top cabin



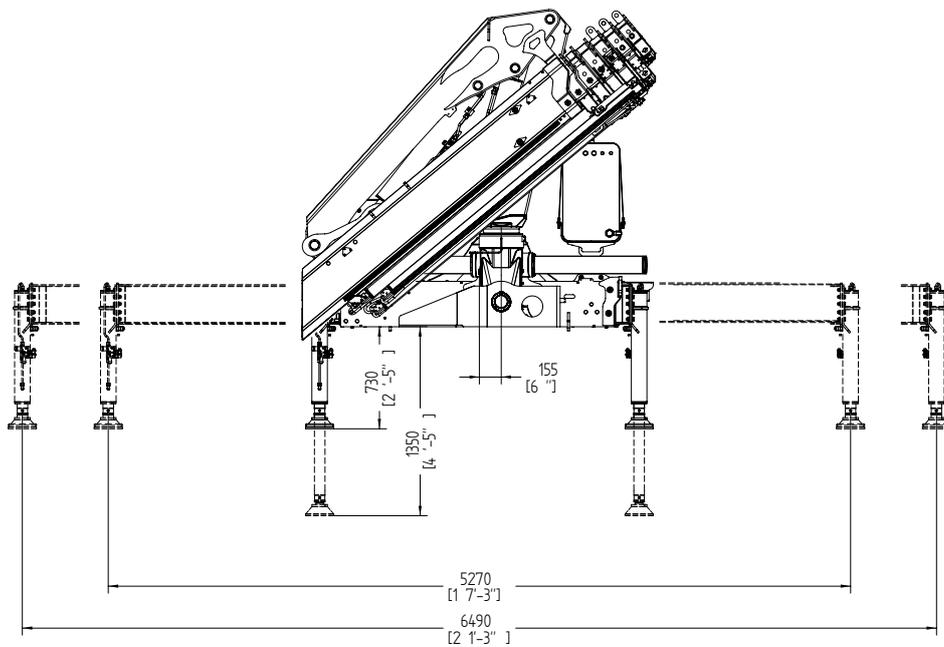
operational



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
238.2	207.7	340	65	2160	420	2500	895	2270	5270/6500
238.3	202.2	340	65	2290	420	2500	895	2270	5270/6500
238.4	198.9	340	65	2420	420	2500	925	2270	5270/6500
238.5	192	340	65	2540	420	2500	985	2270	5270/6500
238.6	178,9	340	65	2640	420	2500	1015	2270	5270/6500

									
	lbs.ft	psi	gal/min	lbs	°	ft/inc	ft/inc	ft/inc	ft/inc
238.2	153139	4931	17,17	4762	420	8'2"	2'11"	7'5"	17'3"-21'3"
238.3	149084	4931	17,17	5048	420	8'2"	2'11"	7'5"	17'3"-21'3"
238.4	146650	4931	17,17	5335	420	8'2"	3'	7'5"	17'3"-21'3"
238.5	141563	4931	17,17	5599	420	8'2"	3'3"	7'5"	17'3"-21'3"
238.6	131972	4931	17,17	5820	420	8'2"	3'4"	7'5"	17'3"-21'3"

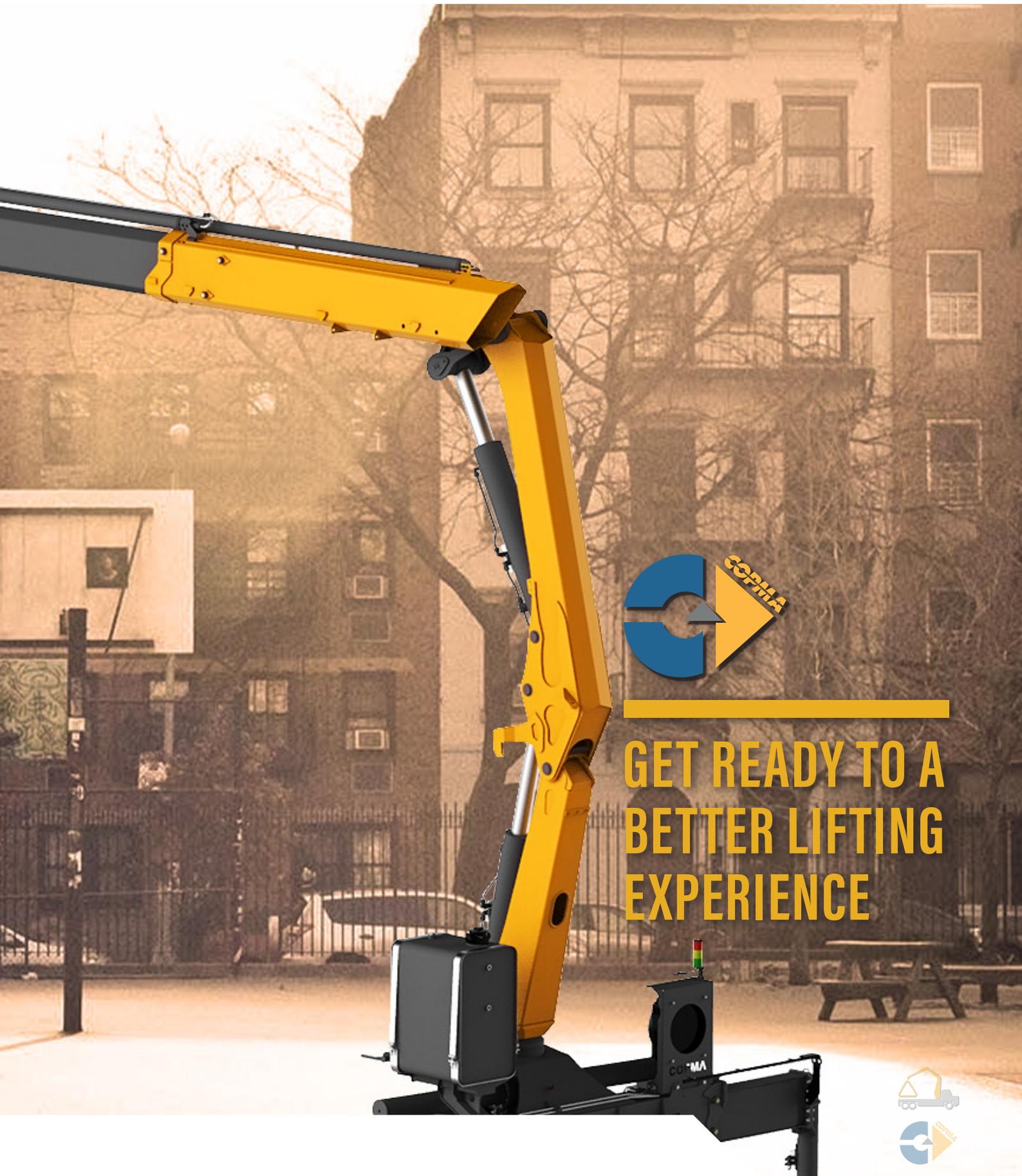
technical data

Max. lifting moment	207.7 kNm	153139 ft.lbs
Max. hydraulic outreach	17.08 m	56'04"
Slewing angle	420°	420°
Slewing torque	2840 daNm	20937 ft.lbs
Stabilizer spread	5.27/6.5 mt	17'3" 21'3"
Fitting space required (min./max)	0.89 m/1.015 m	2'11"/3'4"
Width folded	2,50 m	8'2"
Max. operating pressure	340 bar	4931 psi
Recommended pump capacity	65 l/min	17.17 US gal./min
Dead weight (ver .2)	2160 kg	4762 lbs

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GET READY TO A BETTER LIFTING EXPERIENCE



COPMA 238



knuckle
boom
cranes



Powerful Synergies



CPS



**CPS
STEEL**

CPS GROUP S.P.A.

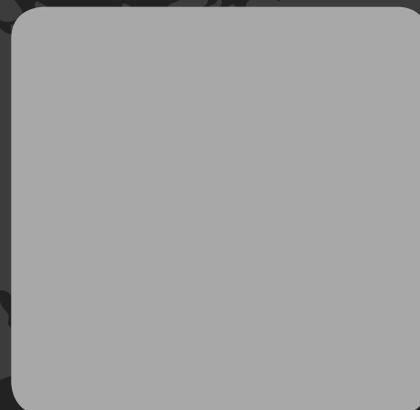
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