



Powerful Synergies



cps-group.com



COPMA[®] 3500

TOP RANGE
MODEL



COPMA 3500

Performance & Power

3500 HAS A STRONG AND FLEXIBLE DESIGN TO SERVE THE NEEDS OF THE TOUGHEST MARKETS AND THE MOST DEMANDING OPERATORS.

- **TOP RANGE - HEAVY RANGE model, over 300 Ton/Mt**
- **High tensile strength steel**
- **Efficient safety system**
- **Reliability, speed and precision**
- **Extra long working life cycle**
- **Easier maintenance operations**





THE MOST
POWERFUL
CRANE FOR
THE TOUGHEST
MARKETS

COPMA 3500

More Safety & Security

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

- **Superior Hydraulic Technology**
- **Dynamic Electronic Controls**
- **High Degree of User Friendliness**
- **Efficiency and Reliability thanks to superior structural features**
- **More Efficiency with advanced electronic controls.**





DESIGNED
FOR FLEXIBLE
SERVICES



COPMA 3500

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



*E.C. market specific equipment





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.



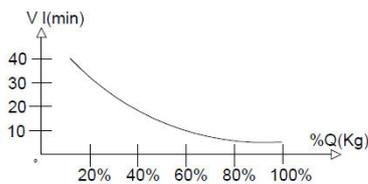
Electronic Radio Display

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.



High Power Velocity Electronic

A valve electronically manages the flow of oil to the distributor by increasing the load capacity of the crane and intervening on the lifting speed. Allowing the reduction of dynamic effects while optimizing performance.



Hydraulic Lifting Stabilizers 2.0

The stabilizer cylinder is lifted thanks to an auxiliary jack, allowing the vertical movement inside a bush or a rotation around a pin. This easy use system saves time and allows an efficient stabilizer set up.



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.



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.



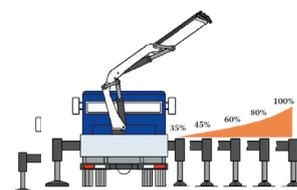
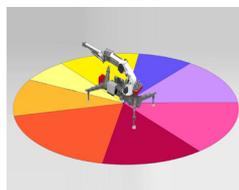
Crane Monitoring System

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



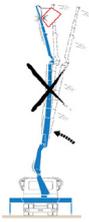
Truck Electronic Stability 4.0

Active stability control for performance optimization according to the type of stabilization (4) to guarantee maximum safety in all working conditions. Mandatory in the CE market, it helps a better vehicle-crane configuration.



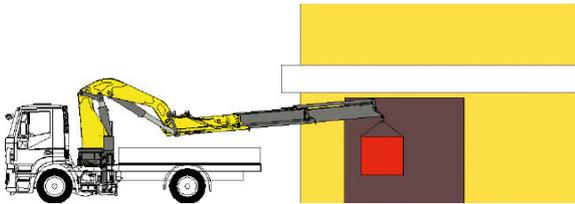
NCS
control
Negative Control System

Slope sensors mounted on the articulated booms of the crane, combined with the electronic control, manage the maximum vertical angle of the arms and the JIB preventing incorrect or dangerous movements by the operator.



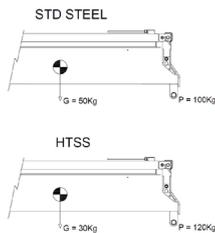
NBS
structure
Negative Boom System

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.



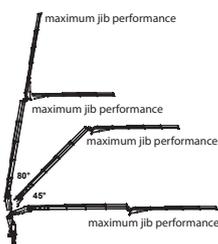
HTSS
structure
High Tensile Strength Steel

The entire high-strength steel structure thanks to an advanced FEM engineering process, develops an extraordinarily light and performing crane structure. In the perfect balance between maximum performance and operational safety.



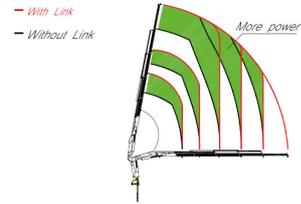
PJM
control
Power Jib Monitoring

The PJM system guarantees to operate with the maximum performance in every working condition thanks to a dynamic variation of the maximum pressure according to the crane arm angles.



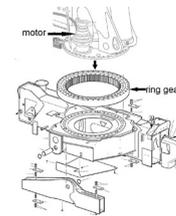
CCLS
structure
Constant Control Link

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.



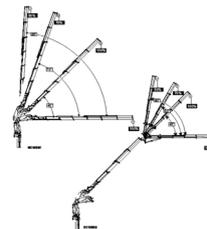
RES 2.0
structure
Rotation Endless System 2.0

Rotating system with bearing and double gearbox, equipped with clearance adjusting system with eccentric shaft. It provides the perfect transmission of the rotation with the bearing.



WLC
control
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.



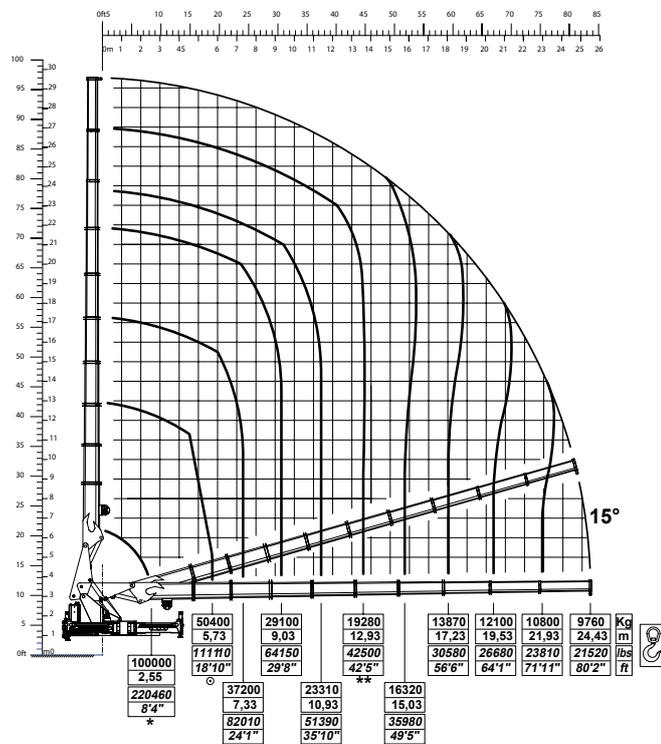
CRC 4.0
control
COPMA® Remote Connectivity 4.0

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.



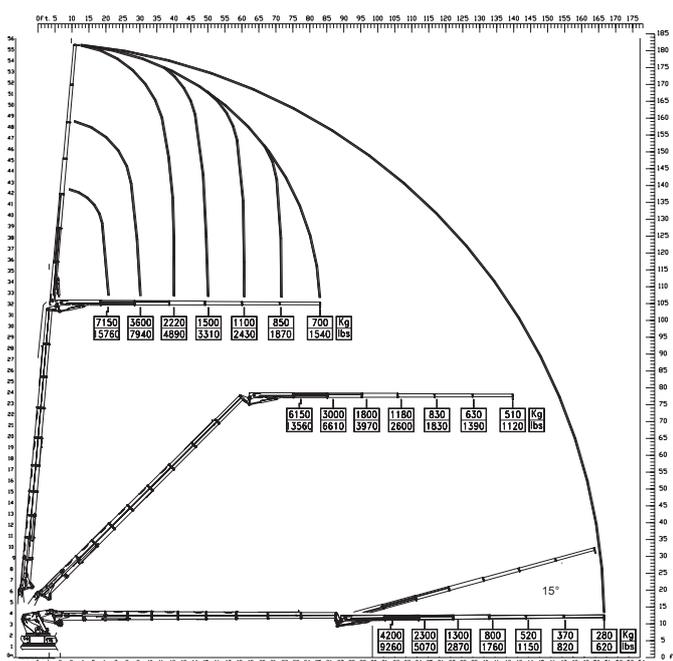
3500 TOP RANGE

9 extensions



(*) portata max. al gancio fisso con gancio e attacco opzionali -- (6) max. carico passante dall'orizzontale con braccio secondario a 0° -- (**) max. carico appeso e trattenuto dai cilindri
 (*) Max load with fixed hook optional -- (6) Max. load with secondary boom in horizontal position -- (**) Max. load attached to the extensions and secondary boom in seelon position

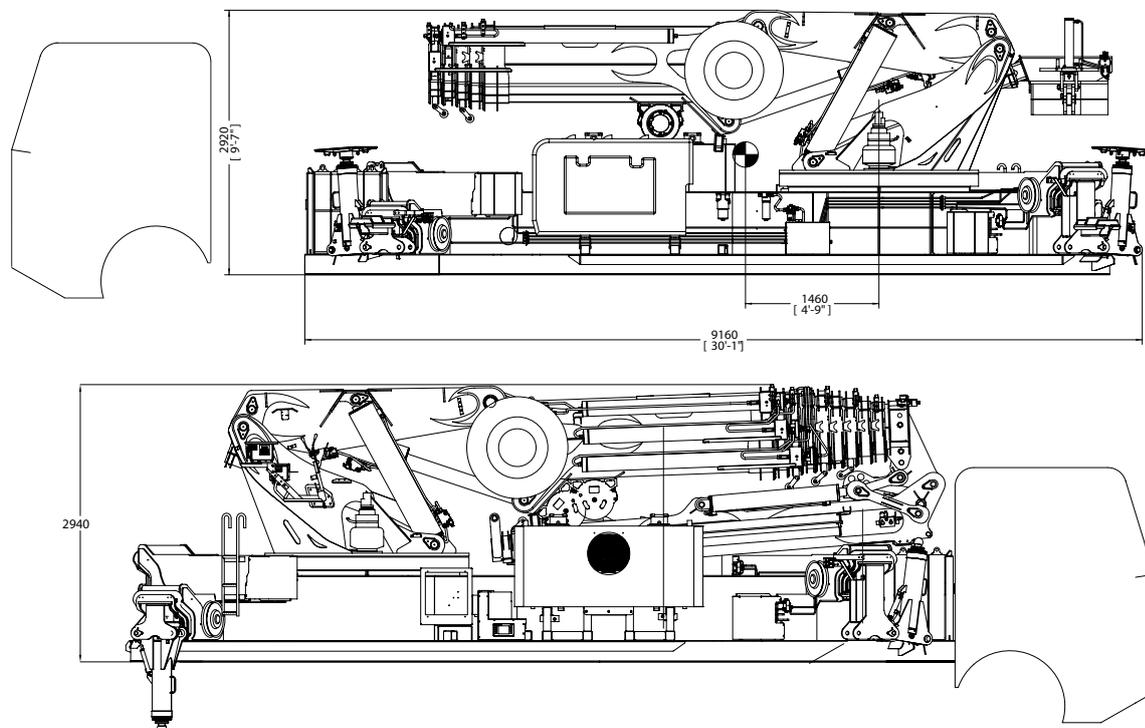
3500.9+j6



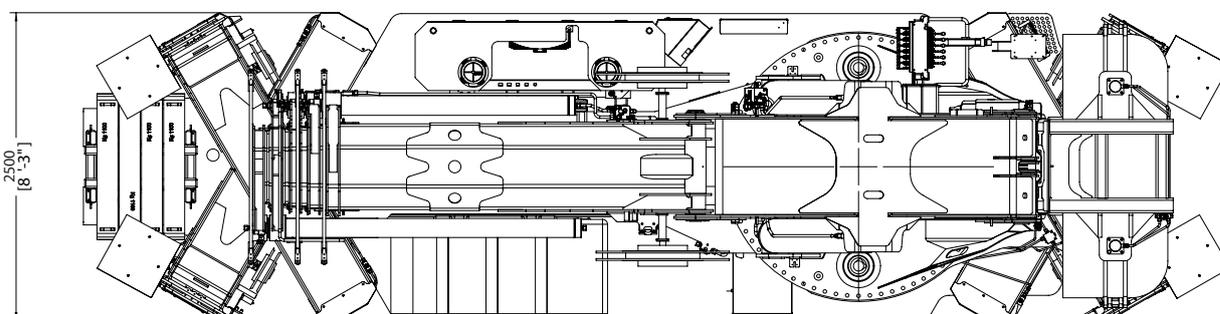
3500 TOP RANGE

Crane Dimensions

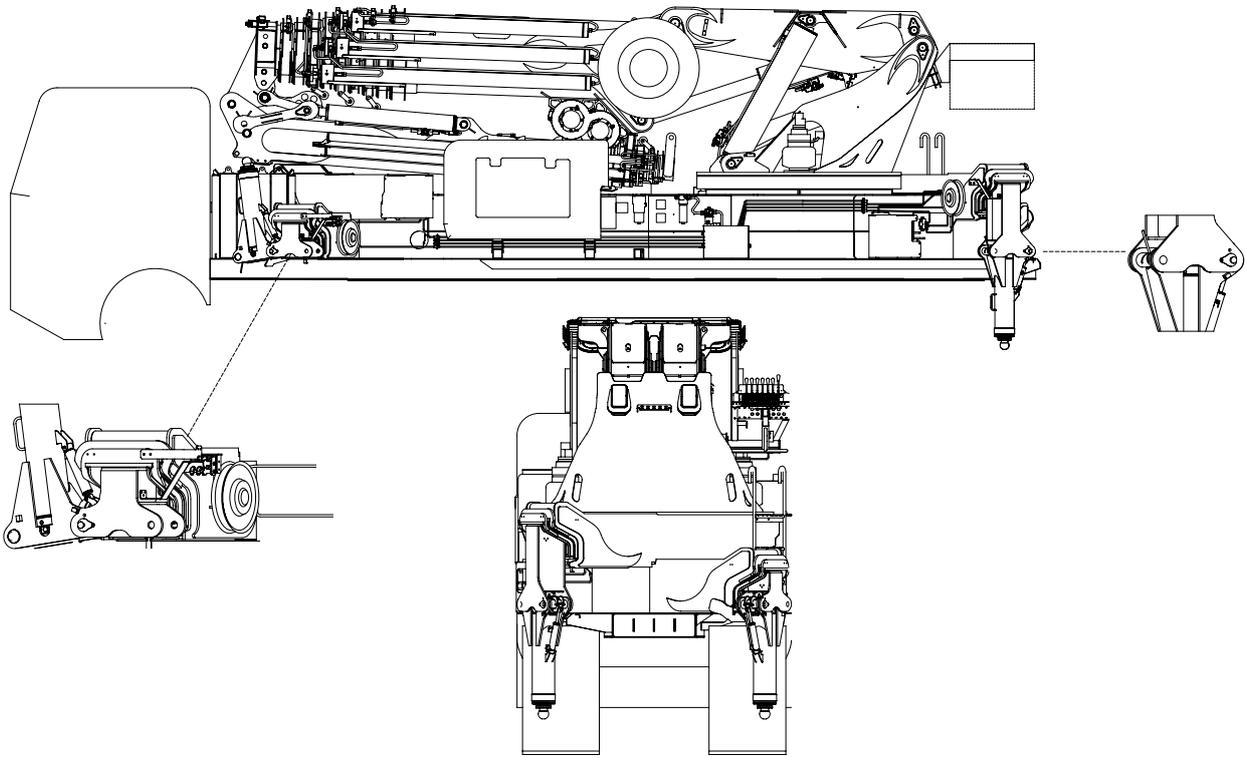
back cabin



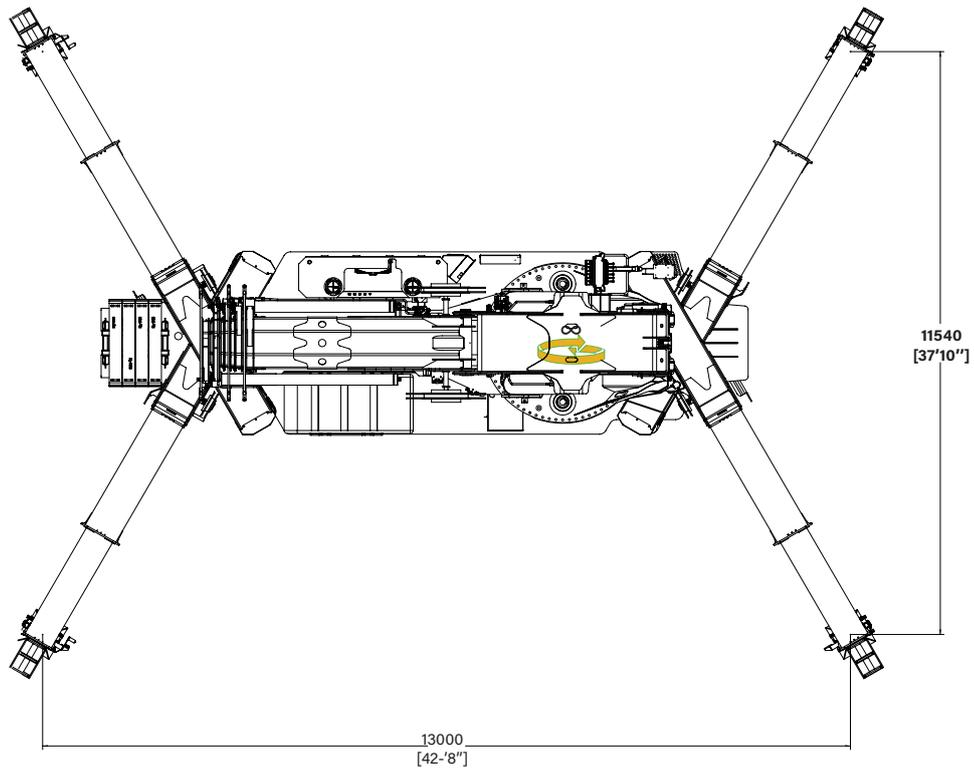
top cabin



operational



extended outriggers



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



3500 TOP RANGE

Technical Data

summarized data

									
	kN.m	bar	l/m	kg	°	mm	mm	mm	mm
3500.9	2700	330	100+50	/	∞	2500	/	/	11540
3500.9J7	2700	330	100+50	/	∞	2500	/	/	11540

									
	lbs.ft	psi	gal/min	lbs	°	ft/inc	ft/inc	ft/inc	ft/inc
3500.9	1952910	4785	26,3+13,1	/	∞	8'2"	/	/	37'10"
3500.9J7	1952910	4785	26,3+13,1	/	∞	8'2"	/	/	37'10"

technical data

Max. lifting moment	2700 kNm	656756 ft.lbs
Max. hydraulic outreach	26.65 m	78'1"
Slewing angle	∞	∞
Slewing torque	25000 kNm	184390 ft.lbs
Stabilizer spread	11,54 mt	37'10"
Fitting space required (min./max)	1.66 m/1.85 m	5'5"/6'1"
Width folded	2,50 m	8'2"
Max. operating pressure	330 bar	4785 psi
Recommended pump capacity	100+50 l/min	26,3+13,1 US gal./min

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





**DESIGNED
FOR EXTREME
LIFTING
CAPABILITY**





EURO 5 **SUPERIOR
RELIABILITY
FOR EVERY
OPERATOR**



COPMA 3500



knuckle
boom
cranes



Powerful Synergies



CPS



**CPS
STEEL**

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