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Powerful Synergies

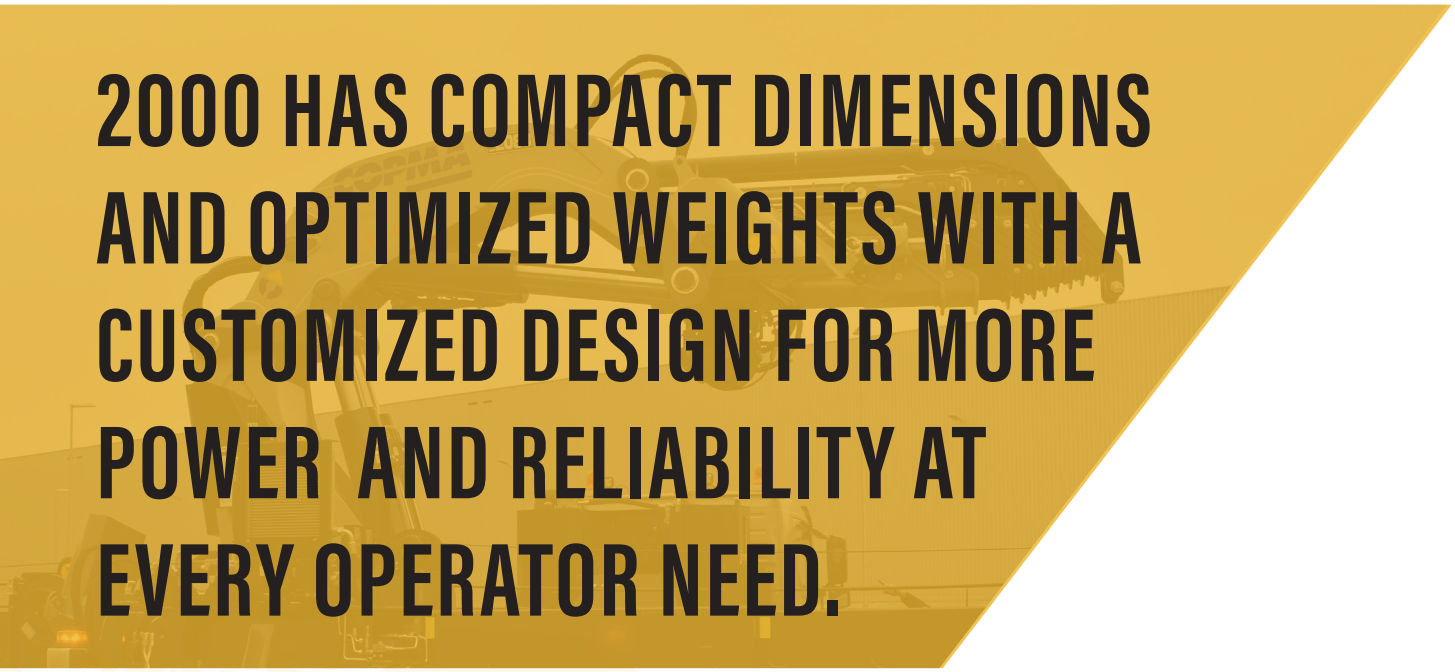


COPMA® 2000

TOP RANGE
MODEL

COPMA 2000

PERFORMANCE & POWER



2000 HAS COMPACT DIMENSIONS AND OPTIMIZED WEIGHTS WITH A CUSTOMIZED DESIGN FOR MORE POWER AND RELIABILITY AT EVERY OPERATOR NEED.

- **TOP RANGE - HEAVY RANGE model, load category - 200 Ton/Mt**
- **High tensile strength steel**
- **Efficient safety system**
- **Reliability, speed and precision**
- **Extra long working life cycle**
- **Easier maintenance operations**

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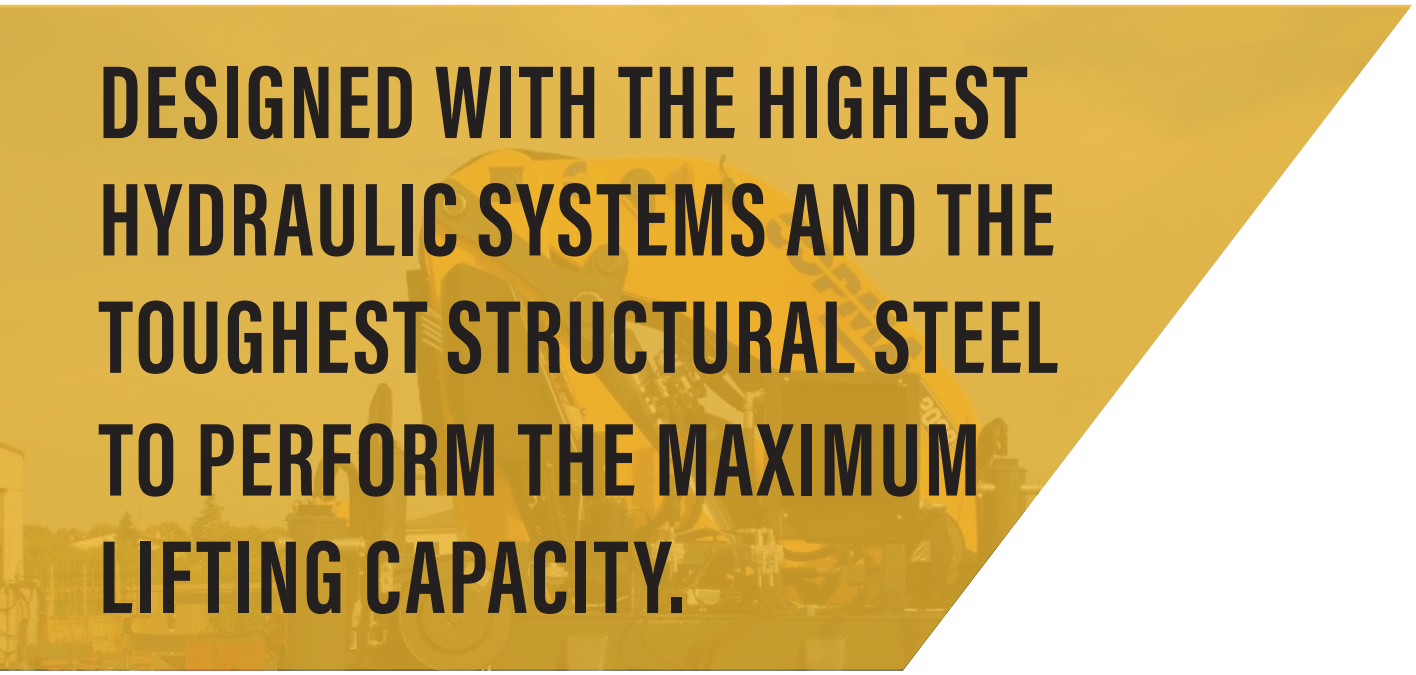


THE MOST POWERFUL CRANE FOR THE TOUGHEST MARKETS

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COPMA 2000

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**

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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

HSE easy use | HPVe easy use | ERD easy use | HLS 2.0 easy use | CAD easy use

- control

*TAD control | CMS 3.0 control | TES 4.0 control | NCS control | RRC 3.0 control | ELS control

- structure

CCLS structure | NBS structure | RES 2.0 structure | HTSS structure

optional features

- control

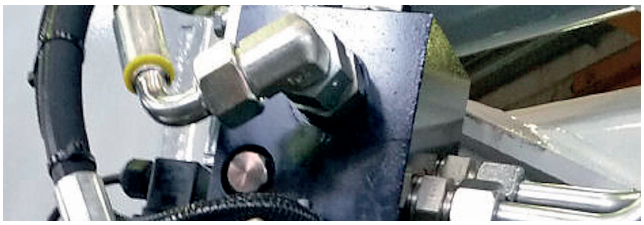
*WLC control | CRC 4.0 control

*CE version

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HSE easy use — 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.



ERD easy use — 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.



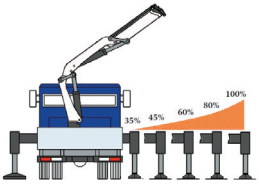
TAD control — TRANSPORT ALERT DEVICE

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



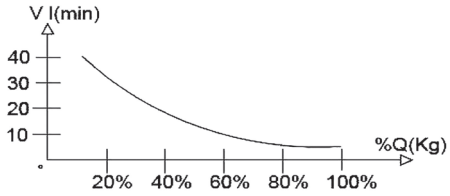
TES 4.0 control — TRUCK ELECTRONIC STABILITY 4.0

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



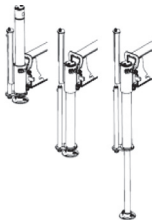
HPVe easy use — LOAD BASED ELECTRONIC SPEED REDUCTION SYSTEM

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 and allowing the reduction of dynamic effects while optimizing performance.



HLS 2.0 easy use — HYDRAULIC LIFTING STABILIZERS 2.0

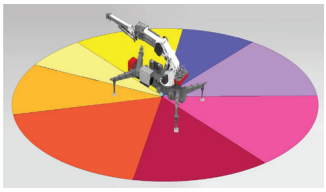
The cylinder of the stabilizer is lifted with an auxiliary jack, allowing the vertical movement within the bushes or rotating around a pin. It saves operative time in increasing the security of the setup.



CMS 3.0 control — CRANE MONITORING SYSTEM 3.0

Crane stability control system TES2-TES3, with safety and overload system, 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.





NCS control — NEGATIVE CONTROL SYSTEM

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



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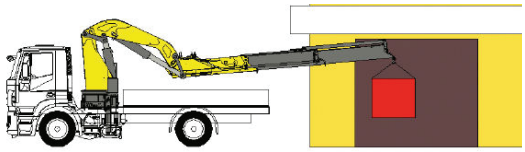
RADIO REMOTE CONTROL 3.0

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



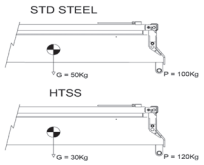
NEGATIVE BOOM SYSTEM

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.



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.

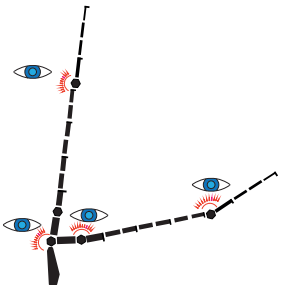


COPMA ® REMOTE CONNECTIVITY 4.0

COPMA® 4.0 remote connectivity to the crane.
Two-way communication via GPRS for real-time diagnosis and remote setting and / or adjustment of parameters in real time

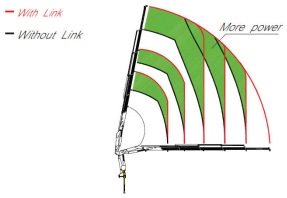
ELECTRONIC LIMIT SWITCH

Electronic limit switch on articulation rams.
This device prevents the end run and therefore avoids the pressure peaks that stall the machine. The crane works in a smoother and safer way.



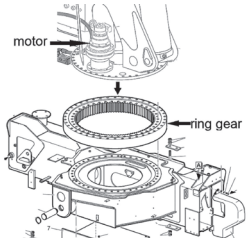
CONSTANT CONTROL LINK SYSTEM

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.



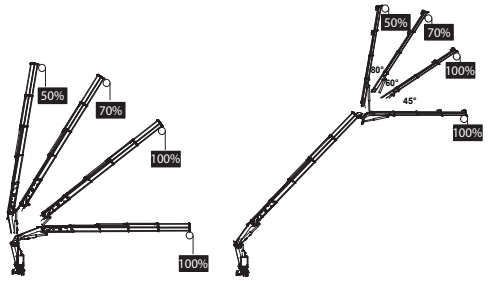
ENDLESS ROTATION SYSTEM 2.0

A rotating bearing and double gearbox system, with a clearance adjusting system with an eccentric shaft. It provides the perfect transmission of the rotation with the bearing, allowing better crane optimization.



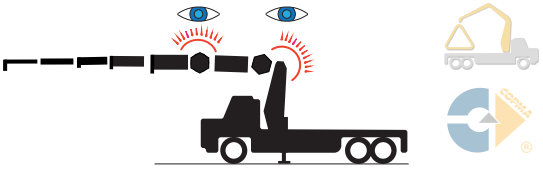
WINCH LINEAR CONTROL

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



CABIN ANTI-COLLISION DEVICE

Cabin anti-collision device (available only if combined with ELS).
This system prevents the boom from performing any movement that might crash the truck cabin.
It's a setting in the CMS 2.0/CMS 3.0 software that can be adjusted only after the crane is installed on the truck.

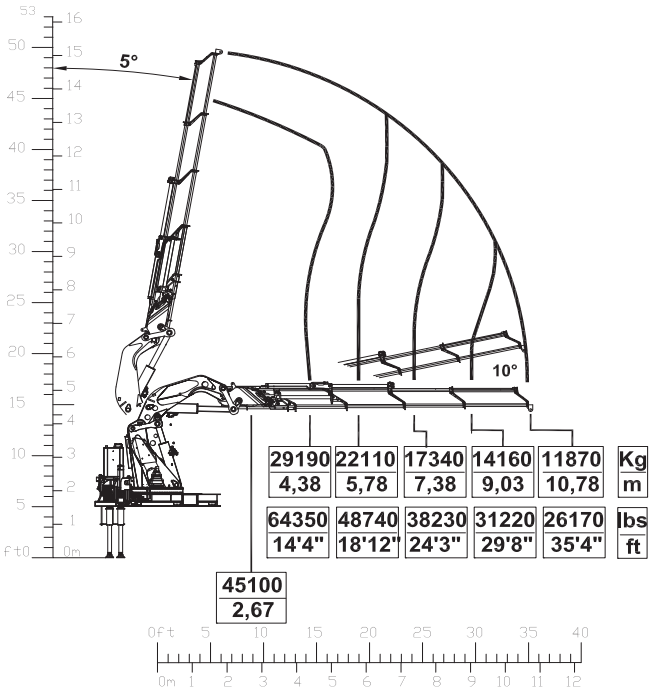


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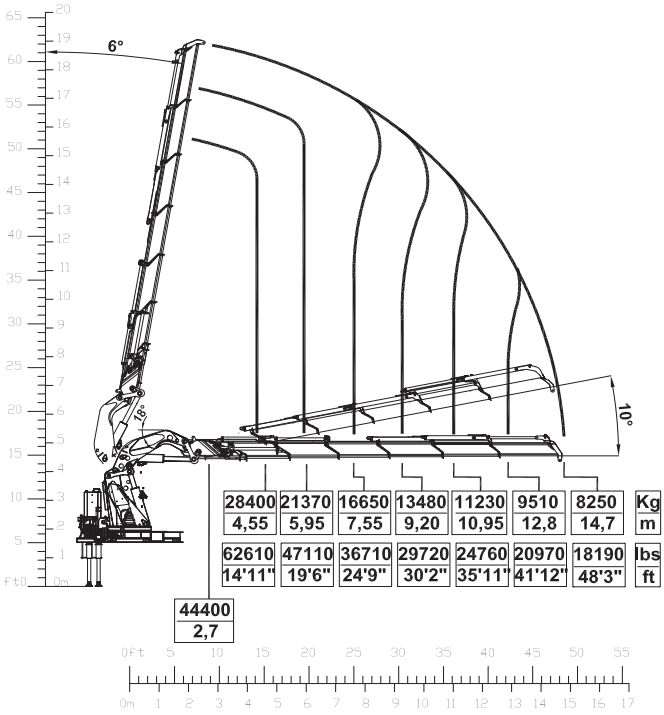
2000 TOP RANGE

LOAD CHARTS

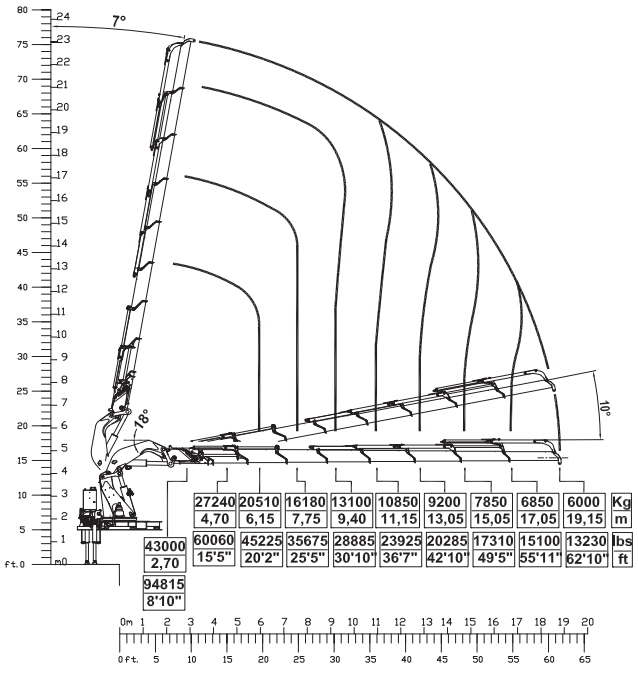
4 extensions



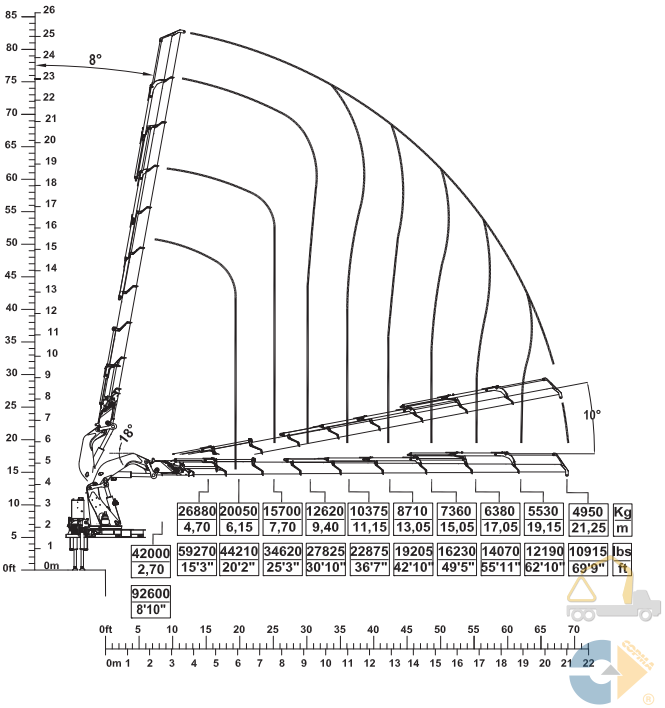
6 extensions



8 extensions

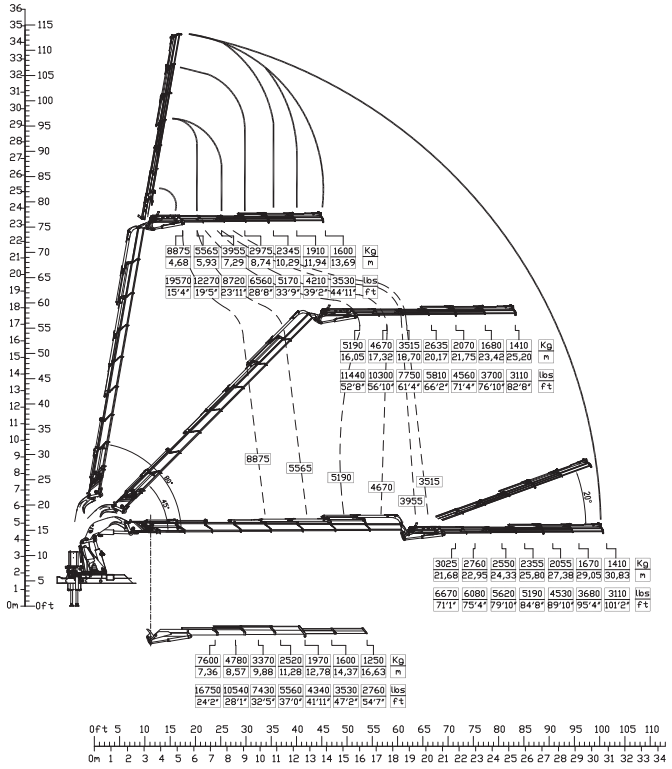


9 extensions

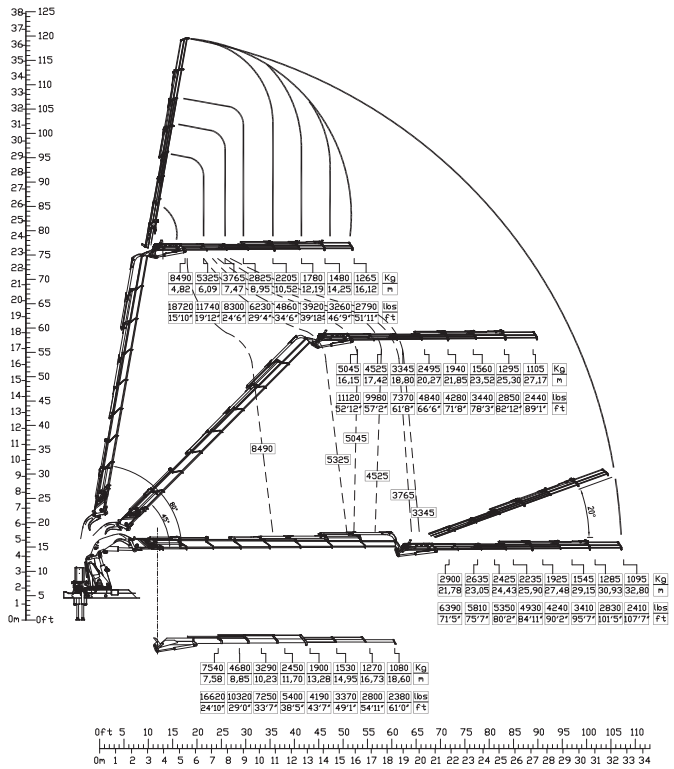


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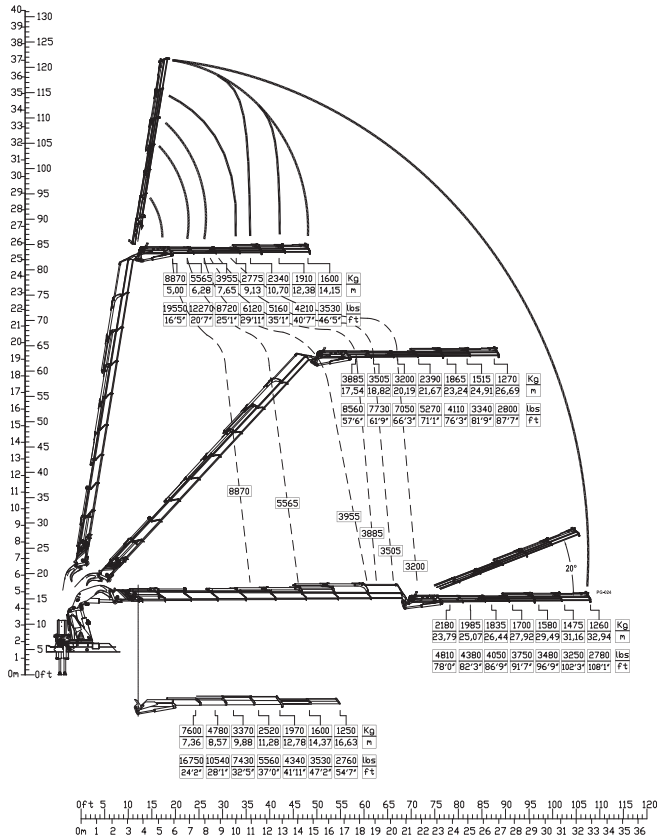
2000.8+J6



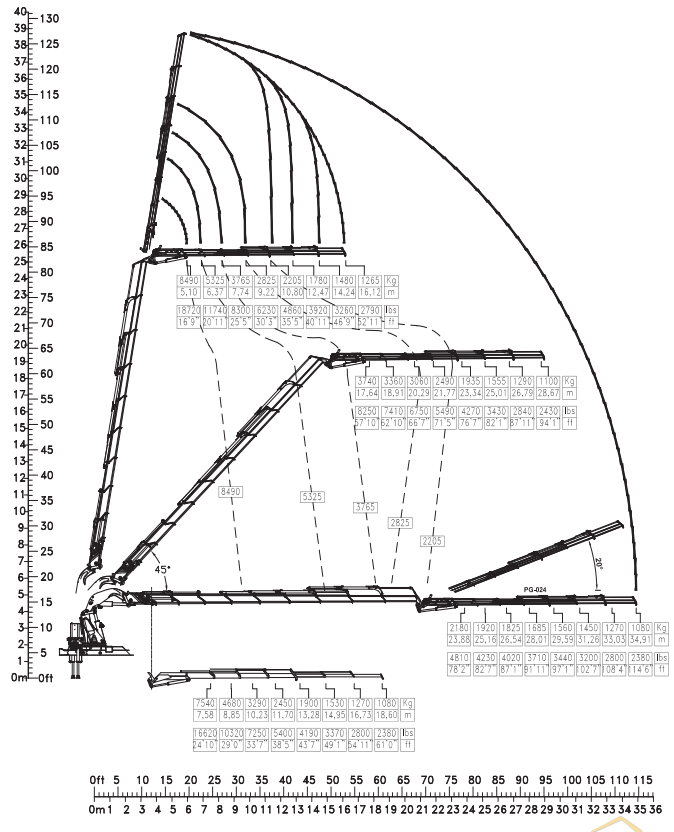
2000.8+J7



2000.9J6



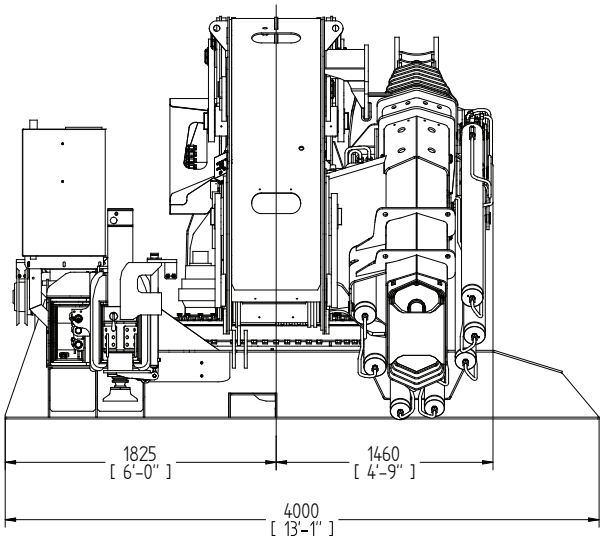
2000.9J7

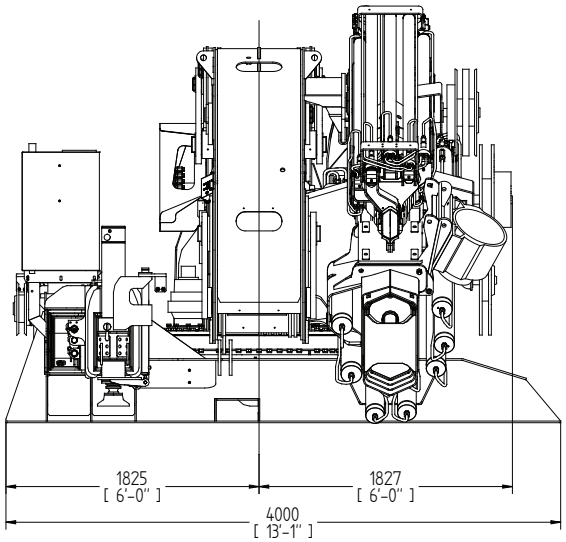


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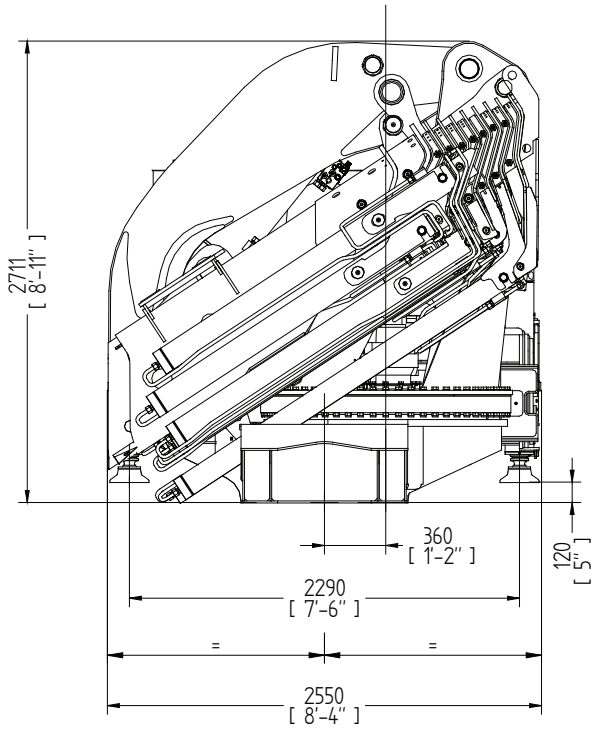
CRANE DIMENSIONS

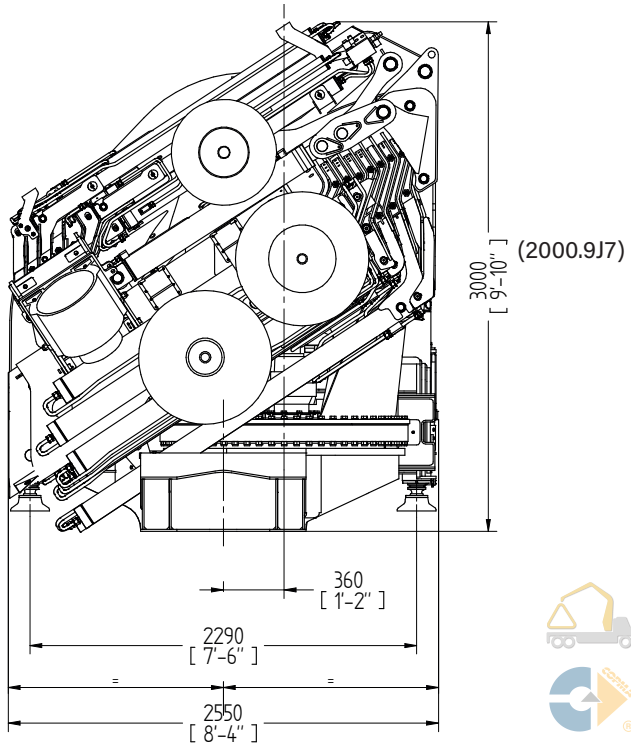
back cabin left





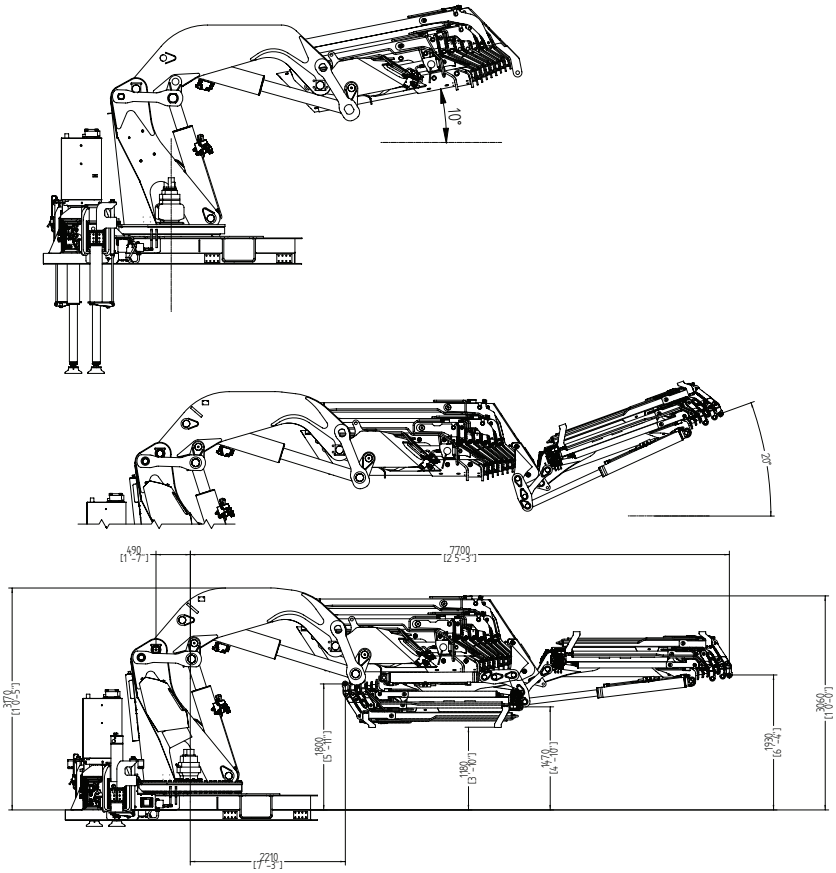
rear truck

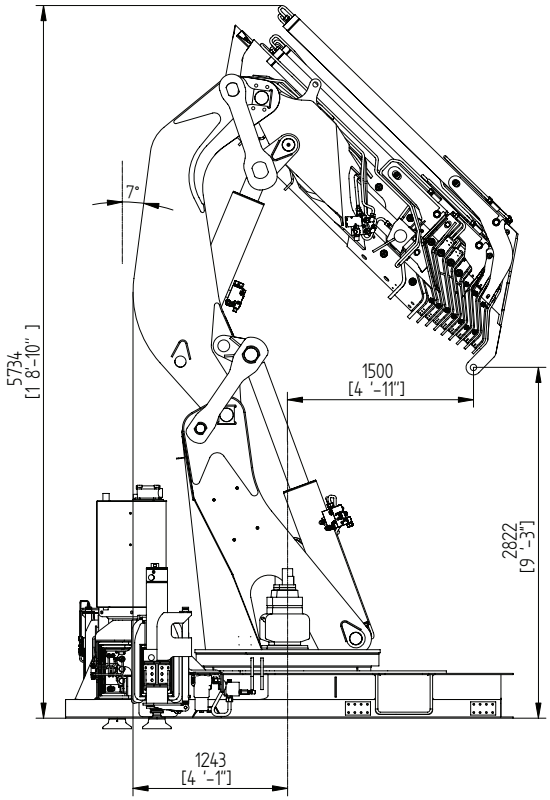




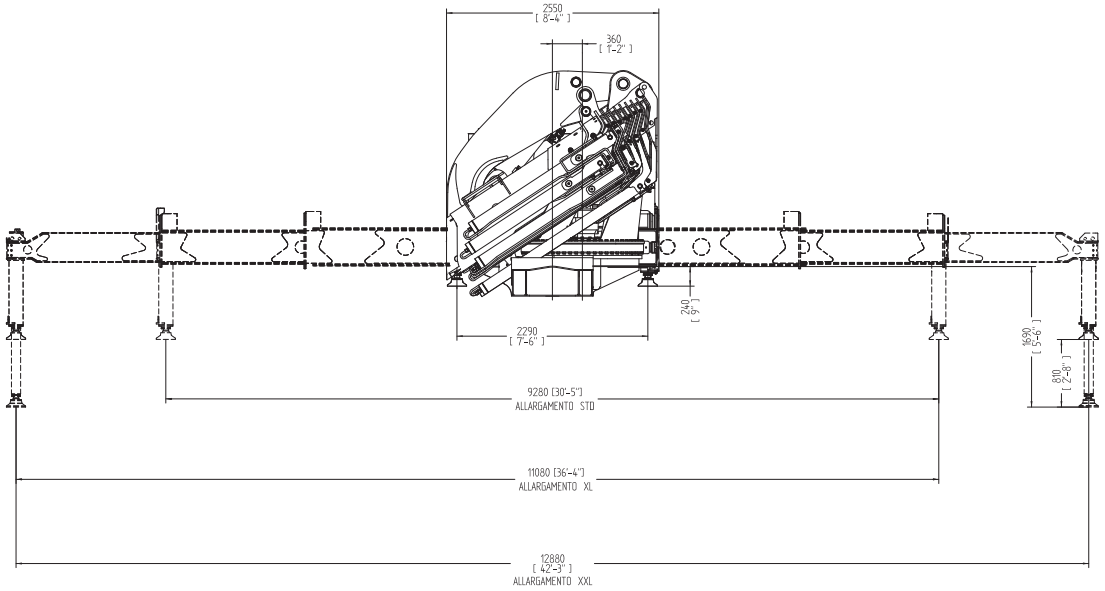
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operational





extended outriggers



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

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2000 TOP RANGE

TECHNICAL DATA

summarized data

	kN.m	bar	l/min	kg	°	mm	mm	mm	mm
2000.4	1254	340	140	15000	∞	2550	3285	2711	9280/11080/12880
2000.6	1249	340	140	15700	∞	2550	3285	2711	9280/11080/12880
2000.8	1256	340	140	16400	∞	2550	3285	2711	9280/11080/12880
2000.8J6	1256	340	140	18200	∞	2550	3652	3010	9280/11080/12880
2000.8J7	1256	340	140	18300	∞	2550	3652	3010	9280/11080/12880
2000.9	1239	340	140	16750	∞	2550	3652	2711	9280/11080/12880
2000.9J6	1239	340	140	18550	∞	2550	3652	3010	9280/11080/12880
2000.9J7	1239	340	140	18650	∞	2550	3652	3010	9280/11080/12880

	lbs	psi	gal/min	lbs	°	ft/inc	ft/inc	ft/inc	ft/inc
2000.4	924903	4930	37	33070	∞	8'4"	10'9"	8'11"	30'5"/36'4"/42'3"
2000.6	921215	4930	37	34610	∞	8'4"	10'9"	8'11"	30'5"/36'4"/42'3"
2000.8	926378	4930	37	36160	∞	8'4"	10'9"	8'11"	30'5"/36'4"/42'3"
2000.8J6	926378	4930	37	40120	∞	8'4"	11'12"	9'10"	30'5"/36'4"/42'3"
2000.8J7	926378	4930	37	40340	∞	8'4"	11'12"	9'10"	30'5"/36'4"/42'3"
2000.9	896458	4930	37	36930	∞	8'4"	10'9"	8'11"	30'5"/36'4"/42'3"
2000.9J6	896458	4930	37	40900	∞	8'4"	11'12"	9'10"	30'5"/36'4"/42'3"
2000.9J7	896458	4930	37	41120	∞	8'4"	11'12"	9'10"	30'5"/36'4"/42'3"

technical data

Max. lifting moment	1239 kNm	896458 ft.lbs
Max. hydraulic outreach	21.25 m	69'9"
Slewing angle	∞	∞
Slewing torque	13000 daNm	23652 ft.lbs
Stabilizer spread	9.3 / 12.8 mt	42'3"
Fitting space required (min./max)	3,28 m/3,65 m	10'9"/11'12"
Width folded	2,55 m	8'4"
Max. operating pressure	345 bar	5003 psi
Recommended pump capacity	140 l/min	37 US gal./min

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

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KNUCKLE BOOM CRANES

Powerful Synergies

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