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Powerful Synergies



COPMA®

228

HIGH POWER MODEL

COPMA 228

Performance & Power

228 HAS THE HIGHEST LIFTING RANGE AND TOP POWER-WEIGHT RATIO COMBINING ADVANCED TECHNOLOGY FEATURES FOR MORE PERFORMANCE.

- **HIGH POWER model, load category - 20 Ton/Mt**
- **Designed for every kind of job**
- **Strong linkage system on each arm to get maximum performance**
- **Precise and fast work execution**
- **High safety standards**

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THE MOST POWERFUL CRANE FOR THE TOUGHEST MARKETS

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COPMA 228

More Safety & Security

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

- **Performing and reliable electronic devices**
- **Column with high mechanical characteristics**
- **High Degree of User Friendliness**
- **Ready to work in a few movements**
- **Excellent weight/performance ratio**

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DESIGNED FOR FLEXIBLE SERVICES

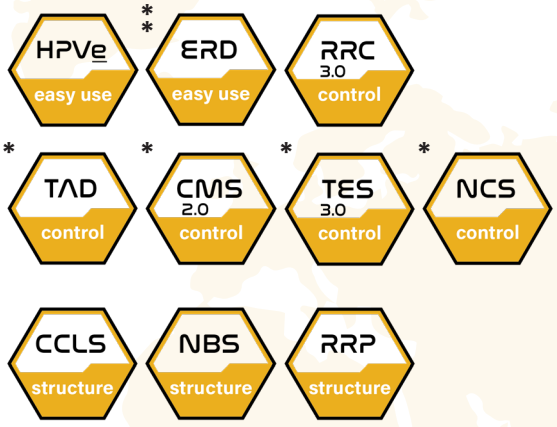
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COPMA 228
Technical Features

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

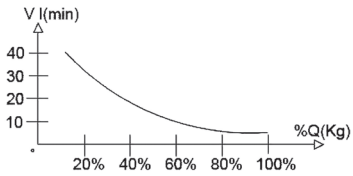


* CE version
** Only for CE version

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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 and allowing the reduction of dynamic effects while optimizing performance.



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.



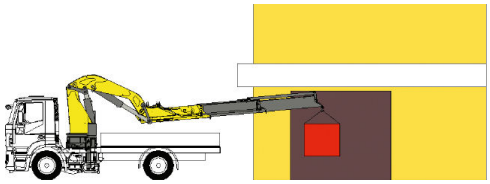
Negative Control System

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.



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.



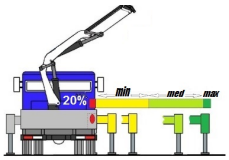
Transport Alert Device

Sensors on the basement controls 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.



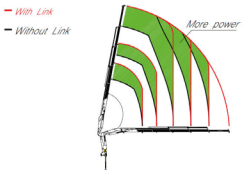
Truck Electronic Stability 3.0

Active stability control for performance optimization according to the type of stabilization (3) to guarantee maximum safety in all working conditions. Mandatory in the CE market, it helps a better vehicle-crane 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.



Rotation Rack Pinion

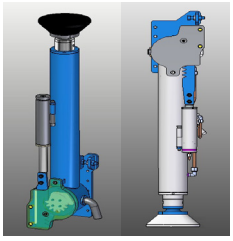
The rotation system with rack and pinion is the best optimal solution for the most performative lifting capacity, it reduce the weights and crane dimension for the most compact configuration.



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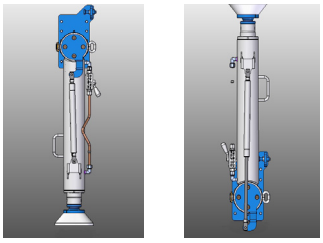
Hydraulic Lifting Stabilizers 2.0

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.



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.



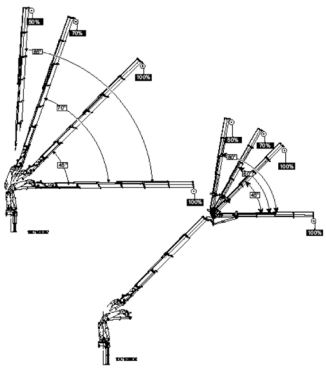
Radio Remote Control 3.0

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



Winch Linear Control

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



COPMA ® Remote Connectivity 4.0

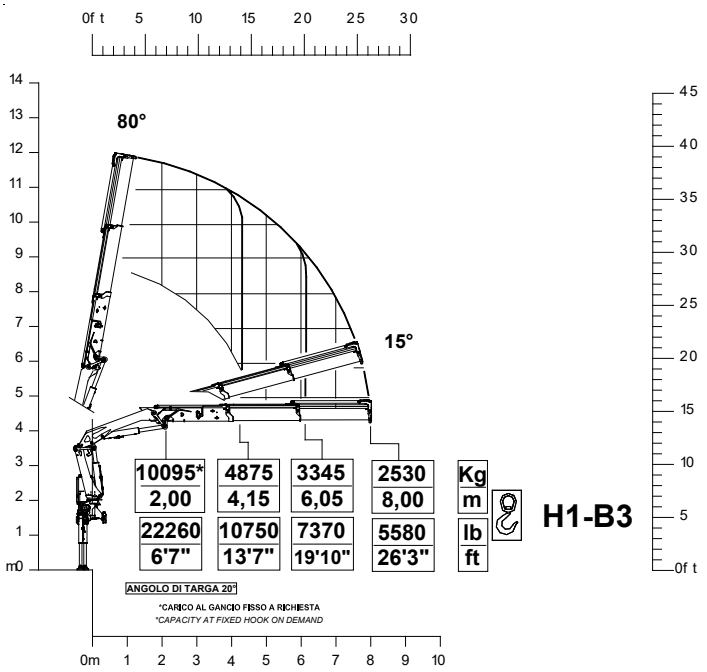
COPMA® Remote Connectivity 4.0 to the crane.
Two-way communication by GPRS for real-time diagnosis and remote real-time parameter setting and/or adjustment.

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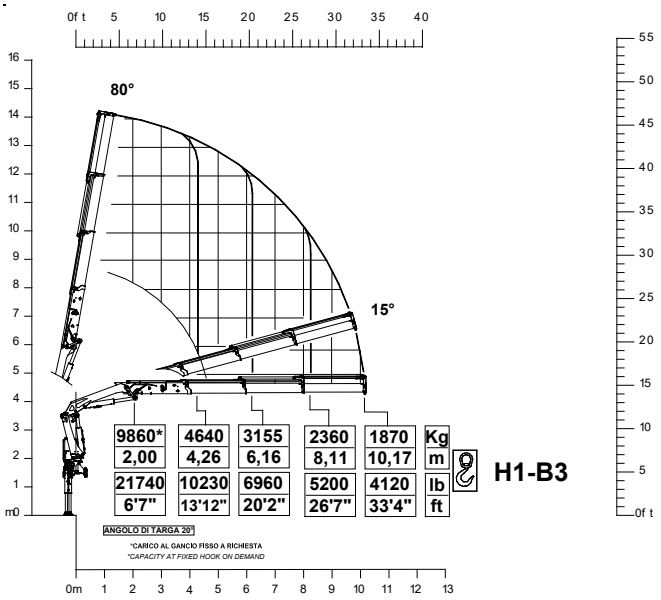
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Load Charts

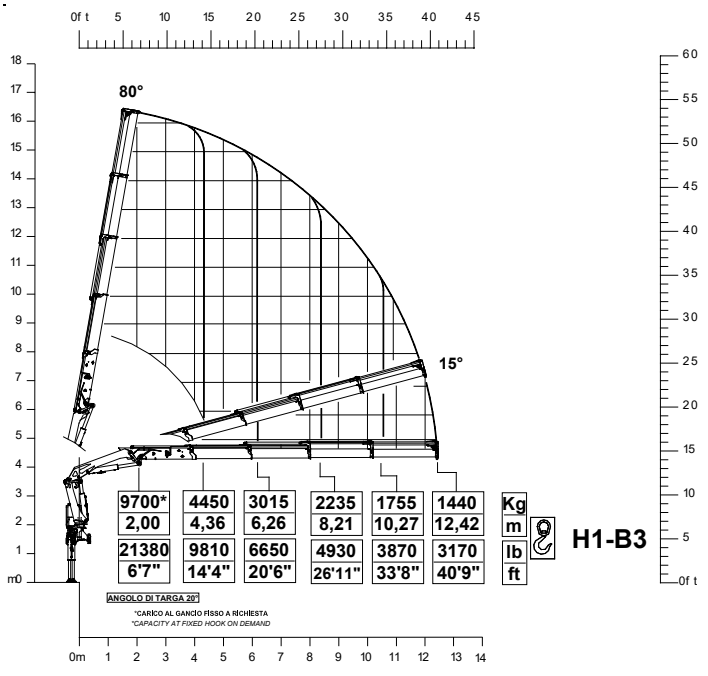
2 extensions



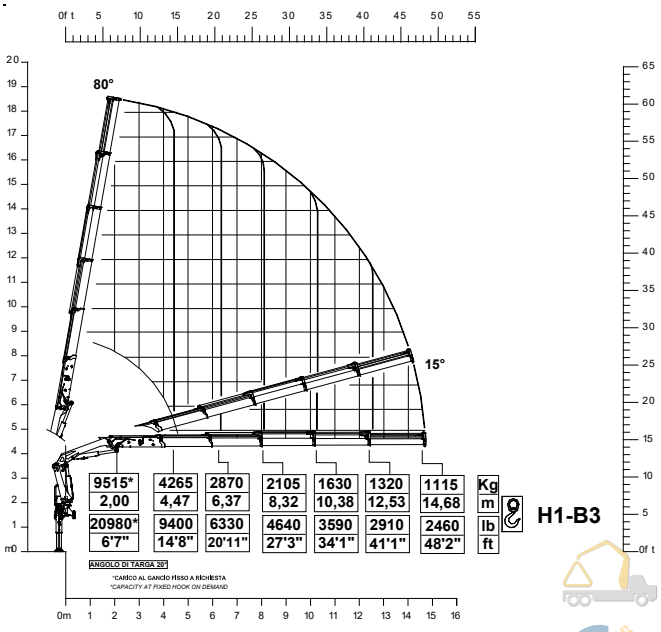
3 extensions



4 extensions

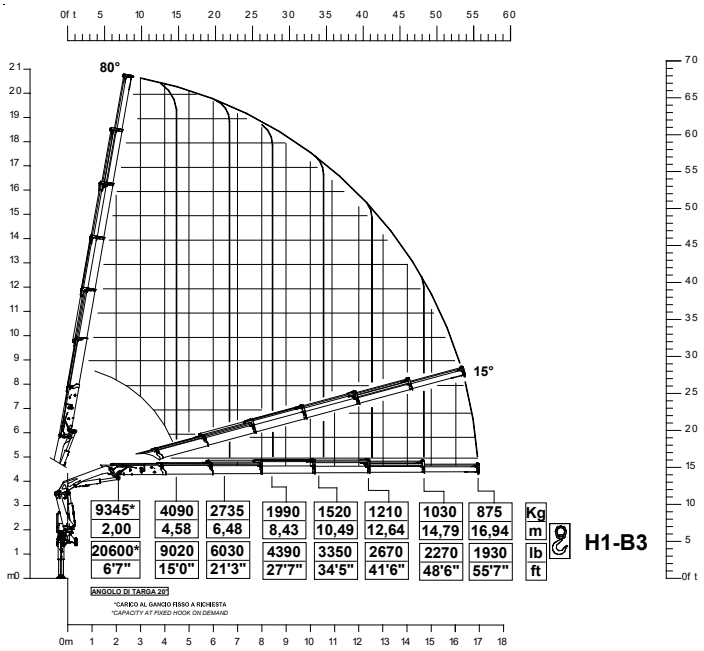


5 extensions

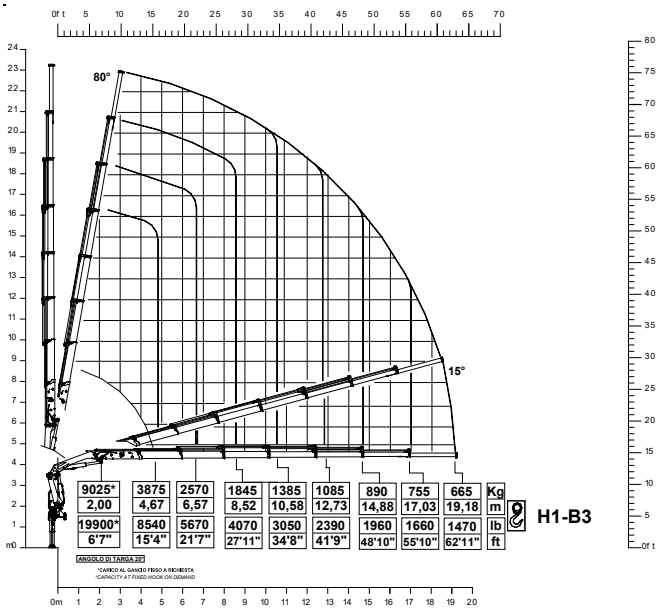


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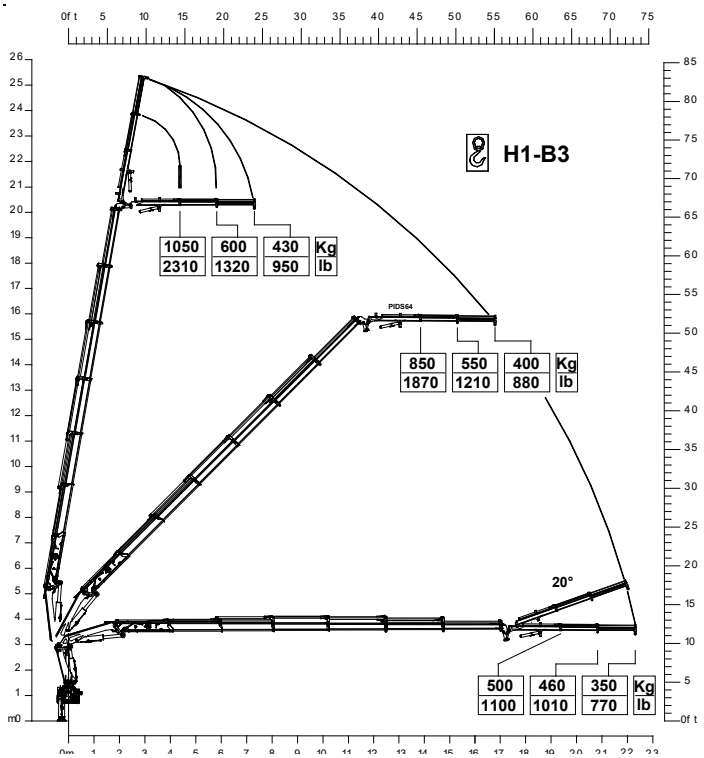
6 extensions



7 extensions



228.6 + J2

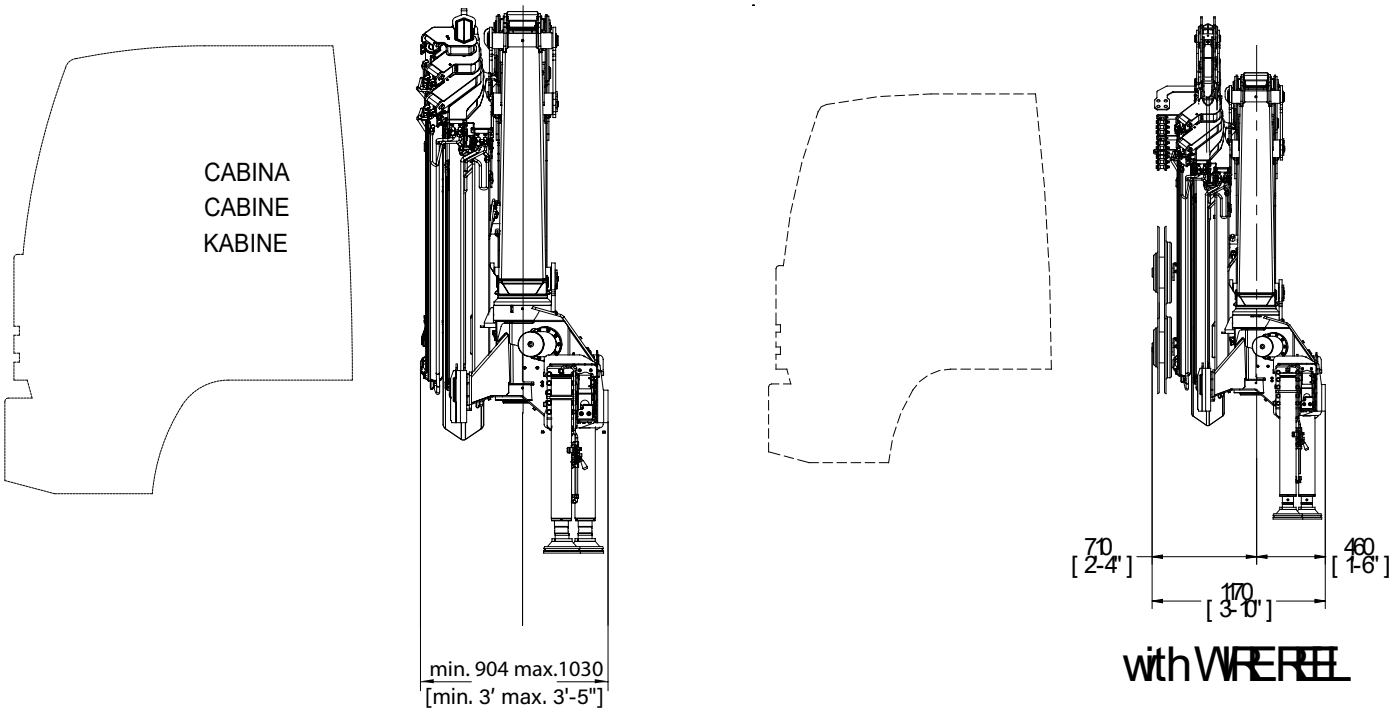


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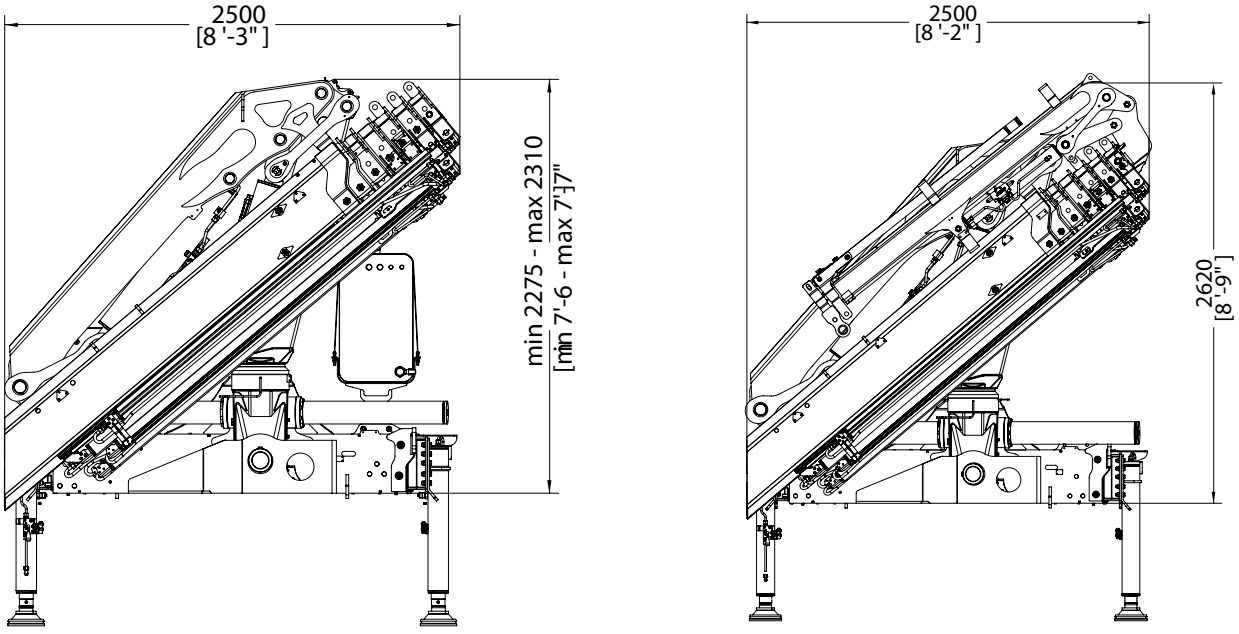
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Crane Dimensions

back cabin left

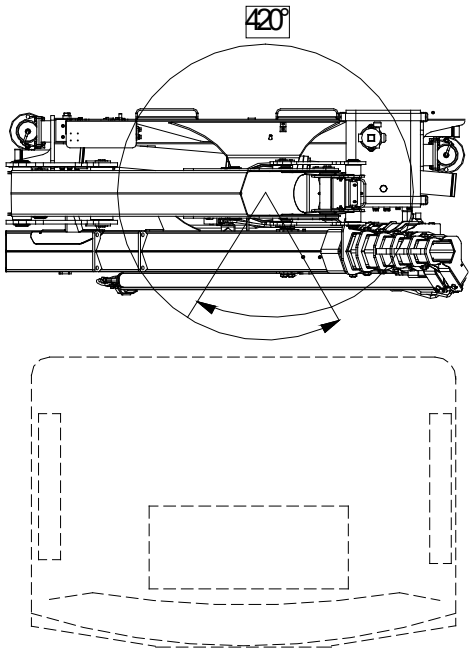


rear truck

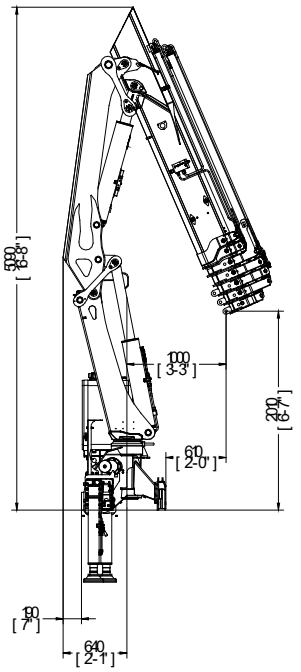


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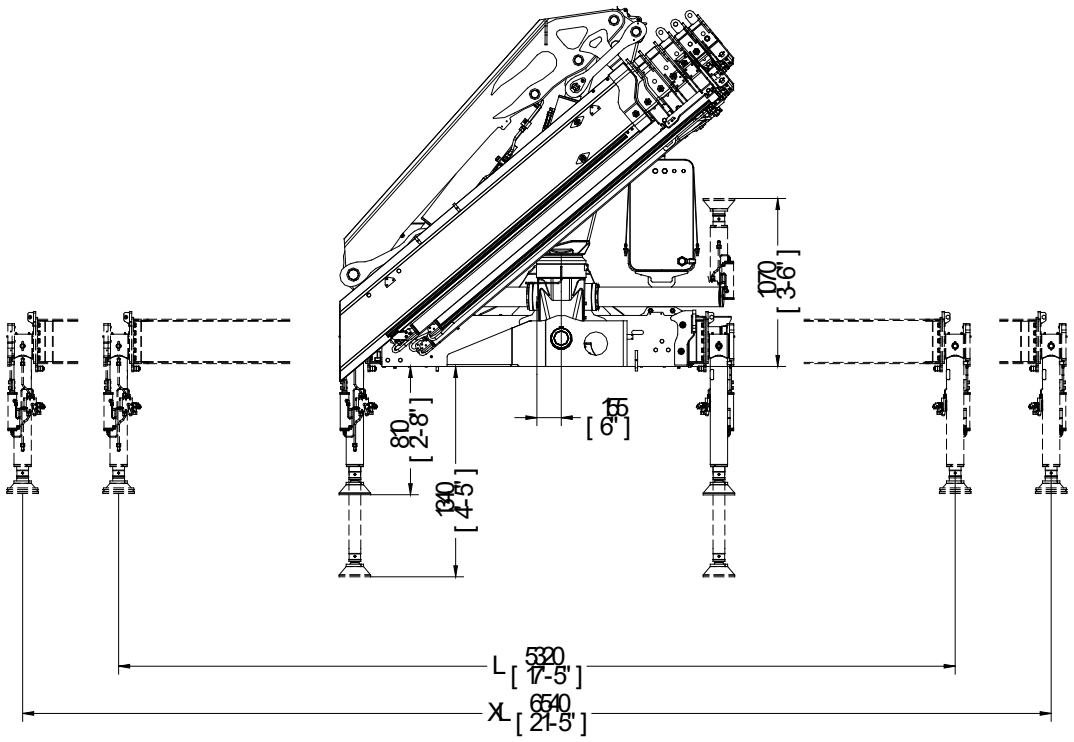
top cabin



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
228.2	198.5	345	65	2220	420	2500	904	2275	5270/6500
228.3	193	345	65	2360	420	2500	904	2275	5270/6500
228.4	190	345	65	2490	420	2500	935	2275	5270/6500
228.4J2	190	345	65	2855	420	2500	1084	2640	5270/6500
228.4J3	190	345	65	2915	420	2500	1084	2640	5270/6500
228.4J4	190	345	65	2960	420	2500	1084	2640	5270/6500
228.5	186.7	345	65	2960	420	2500	1000	2275	5270/6500
228.5J2	186.7	345	65	2985	420	2500	1084	2640	5270/6500
228.5J3	186.7	345	65	3045	420	2500	1084	2640	5270/6500
228.5J4	186.7	345	65	3090	420	2500	1084	2640	5270/6500
228.6	183	345	65	2710	420	2500	1030	2275	5270/6500
228.6J2	183	345	65	3020	420	2500	1170	2620	5270/6500
228.7	177	345	65	2810	420	2500	1030	2310	5270/6500

	lbs.ft	psi	gal/min	lbs	°	ft/inc	ft/inc	ft/inc	ft/inc
228.2	146406	5003	17.17	4890	420	8'2"	3'	7'6"	17'3"-21'3"
228.3	142349	5003	17.17	5200	420	8'2"	3'	7'6"	17'3"-21'3"
228.4	140317	5003	17.17	5490	420	8'2"	3'1'	7'6"	17'3"-21'3"
228.4J2	140317	5003	17.17	6290	420	8'2"	3'7"	8'8"	17'3"-21'3"
228.4J3	140317	5003	17.17	6430	420	8'2"	3'7"	8'8"	17'3"-21'3"
228.4J4	140317	5003	17.17	6530	420	8'2"	3'7"	8'8"	17'3"-21'3"
228.5	137703	5003	17.17	5750	420	8'2"	3'3"	7'6"	17'3"-21'3"
228.5J2	137703	5003	17.17	6580	420	8'2"	3'7"	8'8"	17'3"-21'3"
228.5J3	137703	5003	17.17	6710	420	8'2"	3'7"	8'8"	17'3"-21'3"
228.5J4	137703	5003	17.17	6810	420	8'2"	3'7"	8'8"	17'3"-21'3"
228.6	134974	5003	17.17	5970	420	8'2"	3'5"	7'6"	17'3"-21'3"
228.6J2	134974	5003	17.17	6660	420	8'2"	3'10"	8'7"	17'3"-21'3"
228.7	130549	5003	17.17	6190	420	8'2"	3'5"	7'7"	17'3"-21'3"

technical data

Max. lifting moment	198.5 kNm	146406 ft.lbs
Max. hydraulic outreach	19.32 m	63'39"
Slewing angle	420°	420°
Slewing torque	2840 daNm	20939 ft.lbs
Stabilizer spread	5.27/6.5 mt	17'3"/21'3"
Fitting space required (min./max)	0.9 m/1.03 m	2'12"/3'5"
Width folded	2,50 m	8'2"
Max. operating pressure	345 bar	5003 psi
Recommended pump capacity	65 l/min	17.17 US gal./min
Dead weight (vers .2)	2220 kg	4890 lbs

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GET READY TO A BETTER LIFTING EXPERIENCE

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COPMA 228

knuckle boom cranes

Powerful Synergies

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