



Powerful Synergies



cps-group.com



COPMA[®] 220

HIGH POWER
MODEL



014 8
014 8
@jann

COPMA 220

Performance & Power

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

- **HIGH POWER model, load category - 22 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**





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



COPMA 220

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**





**DESIGNED
FOR FLEXIBLE
SERVICES**



COPMA 220

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



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.



CMS 2.0
control
Crane Monitoring System

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.



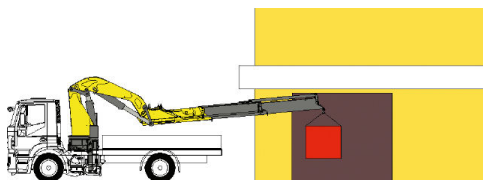
NCS
control
Negative Control System

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.



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.



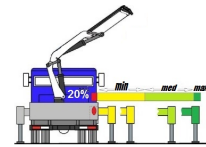
TAD
control
Transport Alert Device

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.



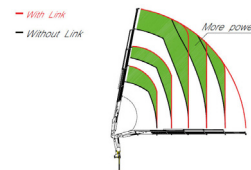
TES 3.0
control
Truck Electronic Stability 3.0

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.



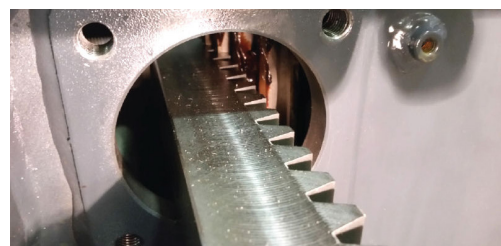
CCLS
structure
Constant Control Link

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.



RRP
structure
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.





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.



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.



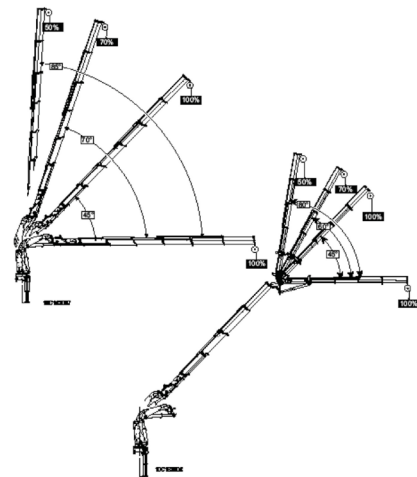
Electronic Radio Display

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.



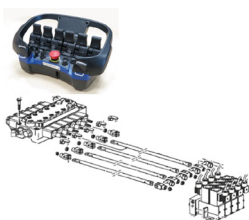
Winch Linear Control

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.



Radio Remote Control 1.0

Radio remote control with actuation electronics connected by rod with the standard distribution. The remote control allows operating the crane while continually monitoring the areas of operation.



Crane Monitoring System 3.0

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.



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.

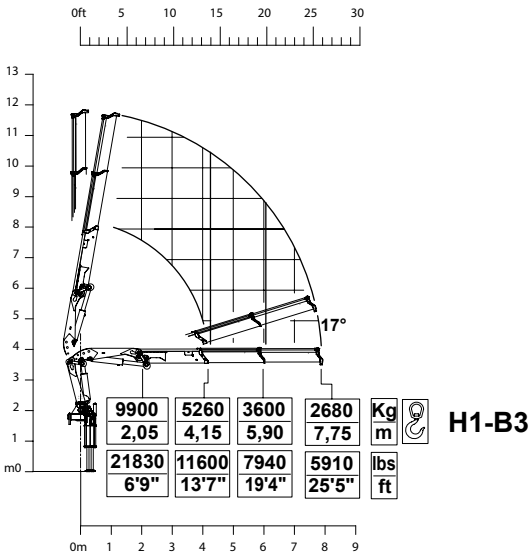


220 HIGH POWER

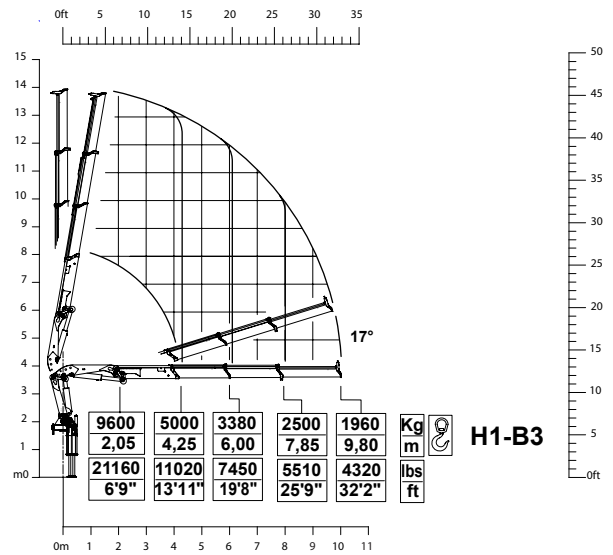
Load Charts

2

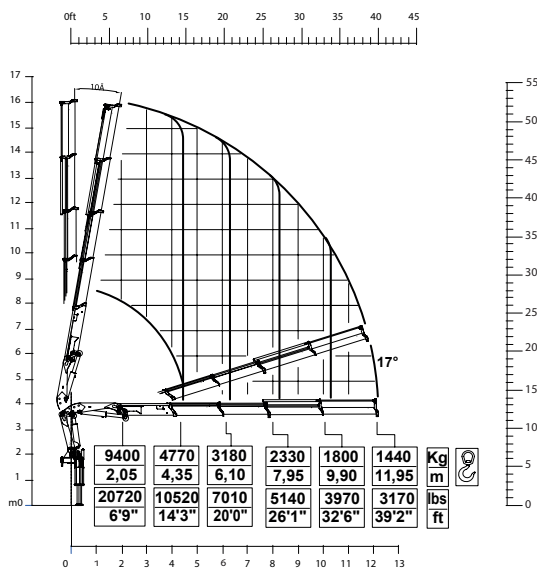
2 extensions



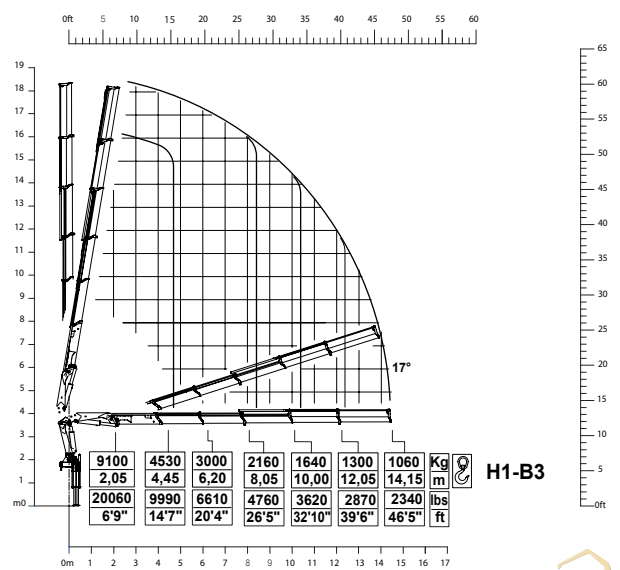
3 extensions



4 extensions



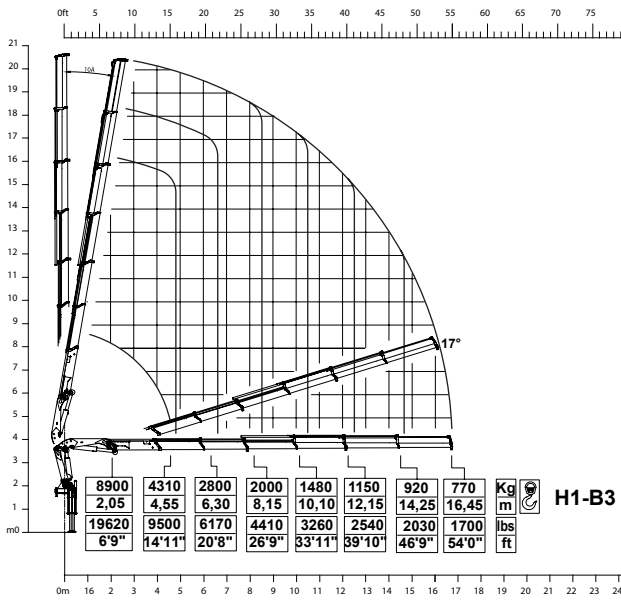
5 extensions



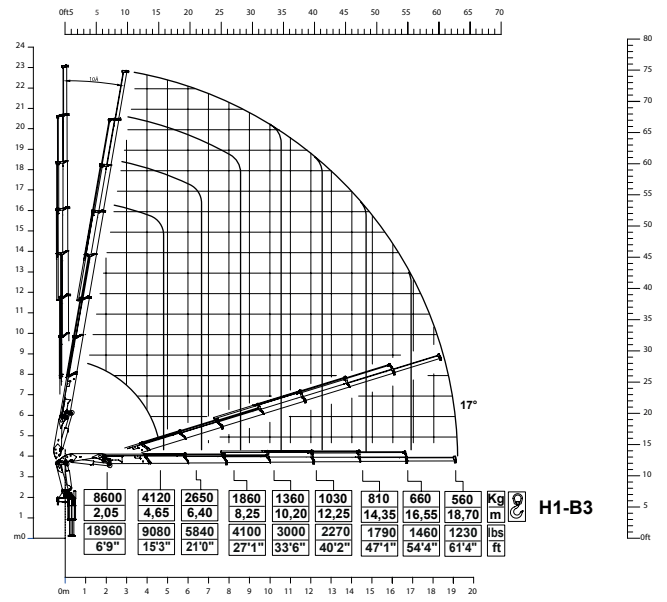
*CARICO AL GANCIO FISSO A RICHIESTA
*CAPACITY AT FIXED HOOK ON DEMAND



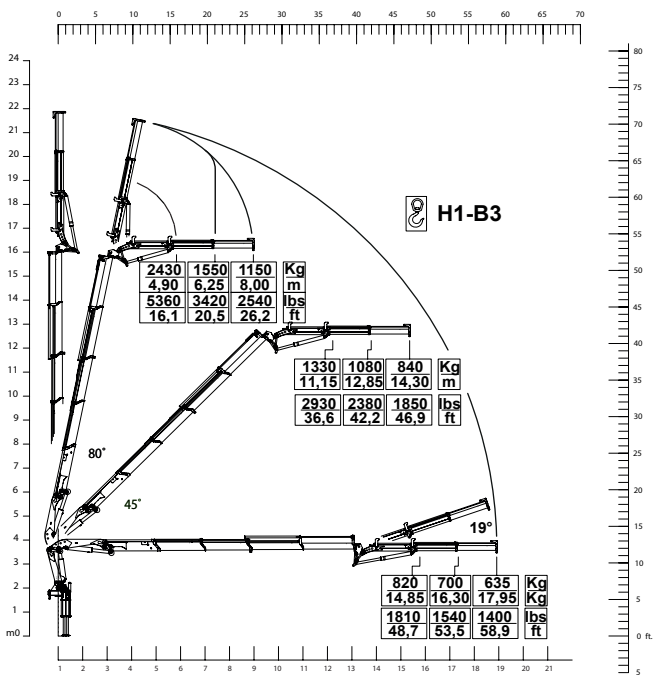
6 extensions



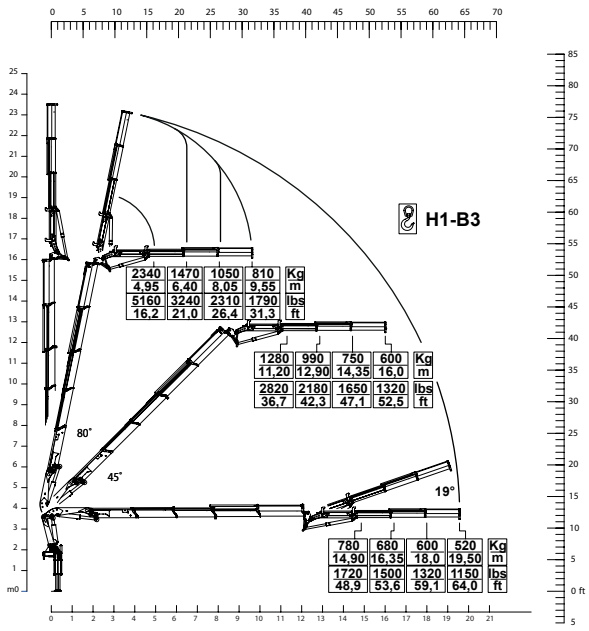
7 extensions



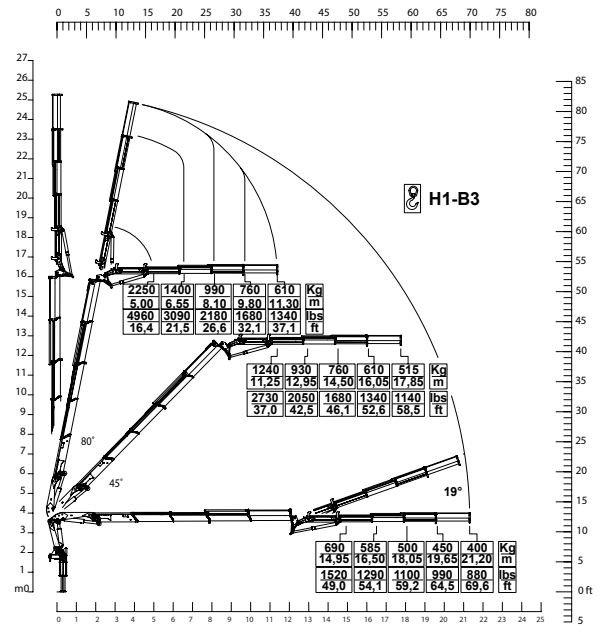
220.4 + J2



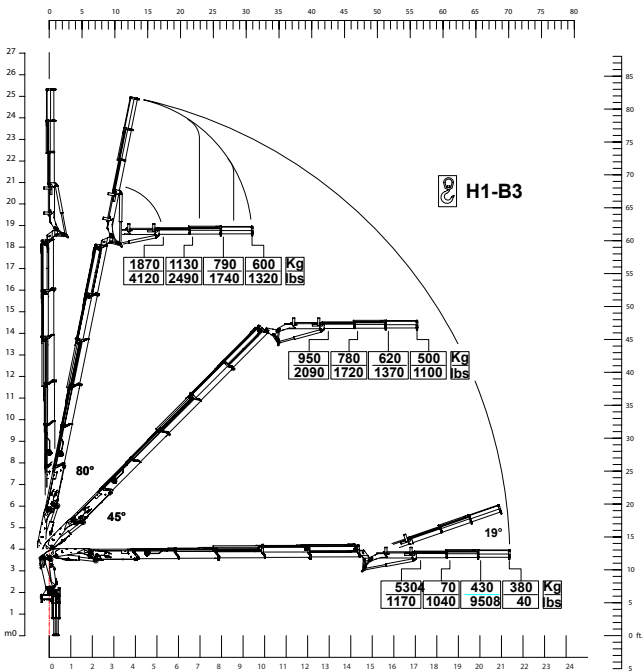
220.4 + J3



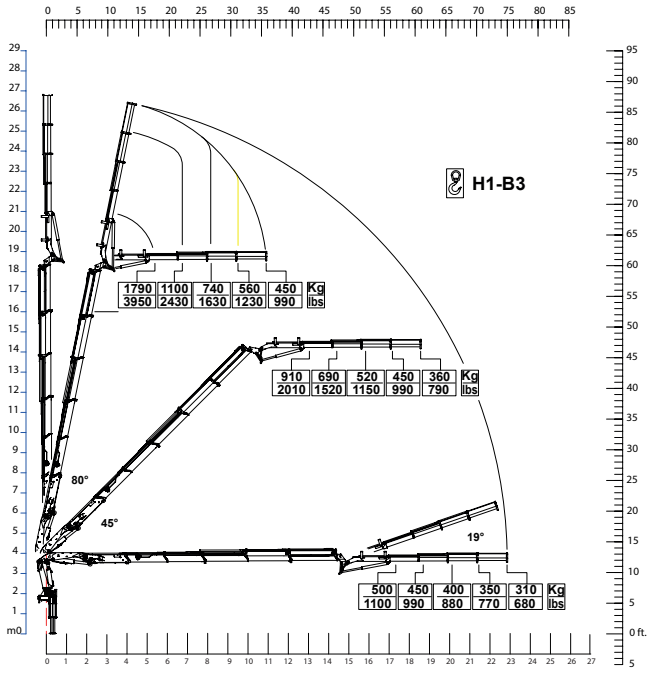
220.4 + J4



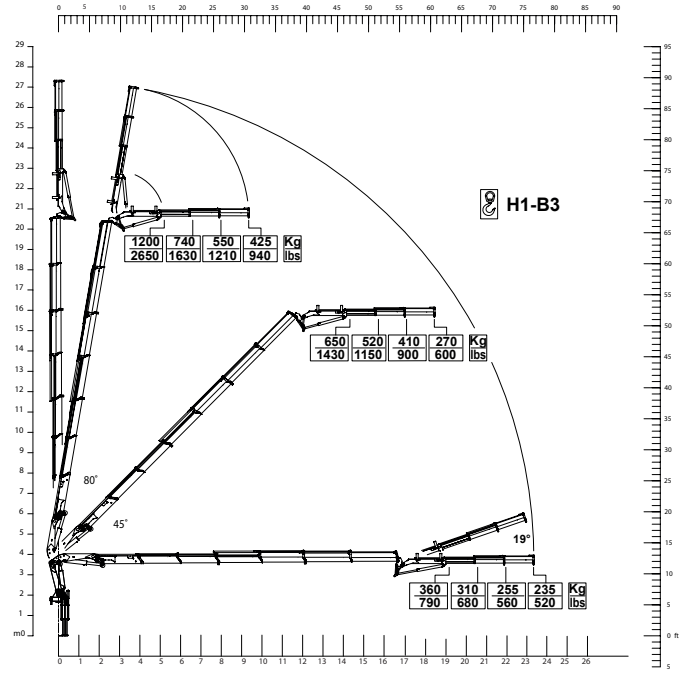
220.5 + J3



220.5 + J4



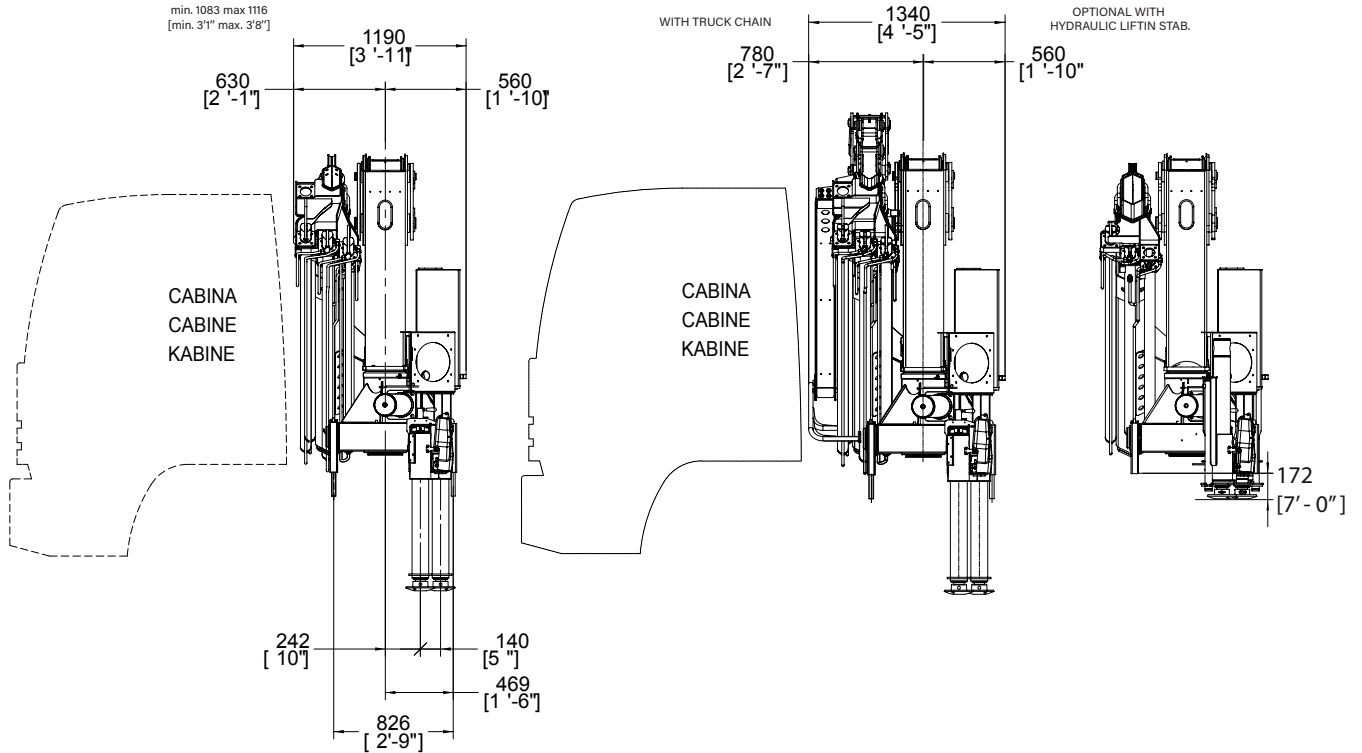
220.6 + J3



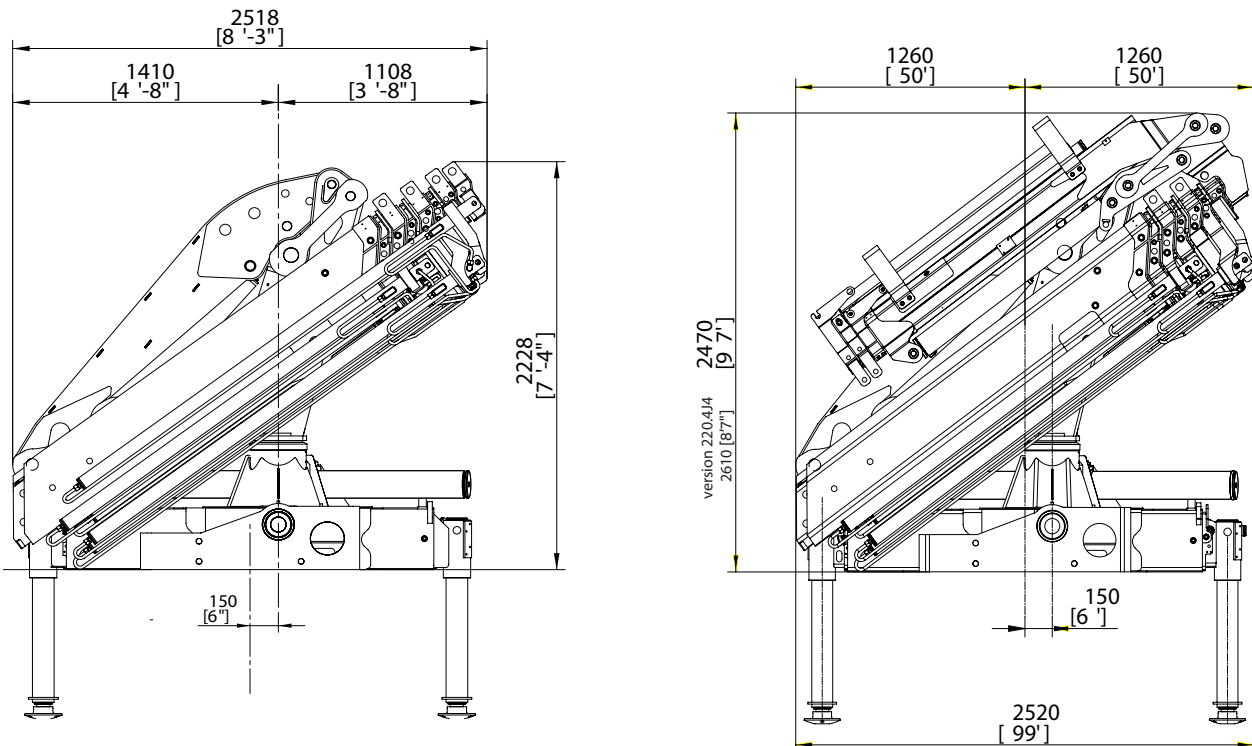
220 HIGH POWER

Crane Dimensions

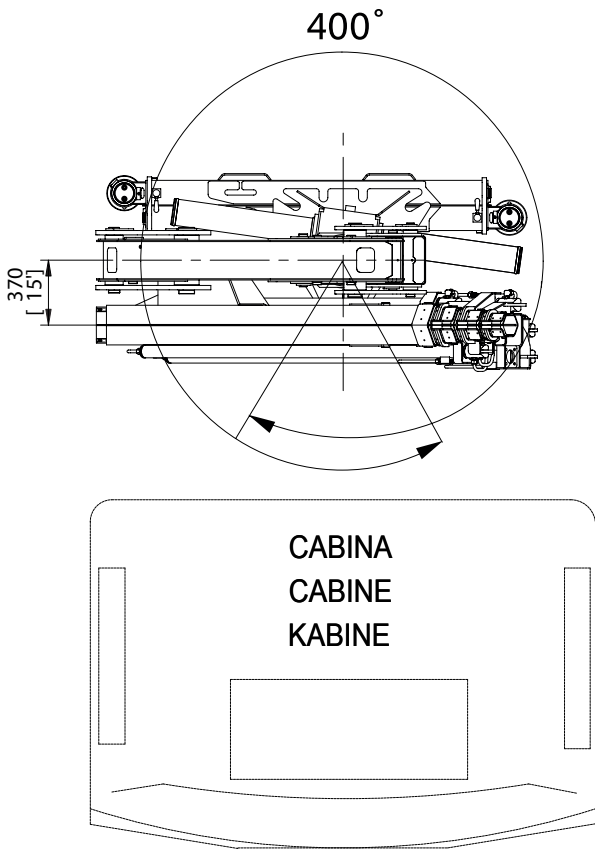
back cabin left



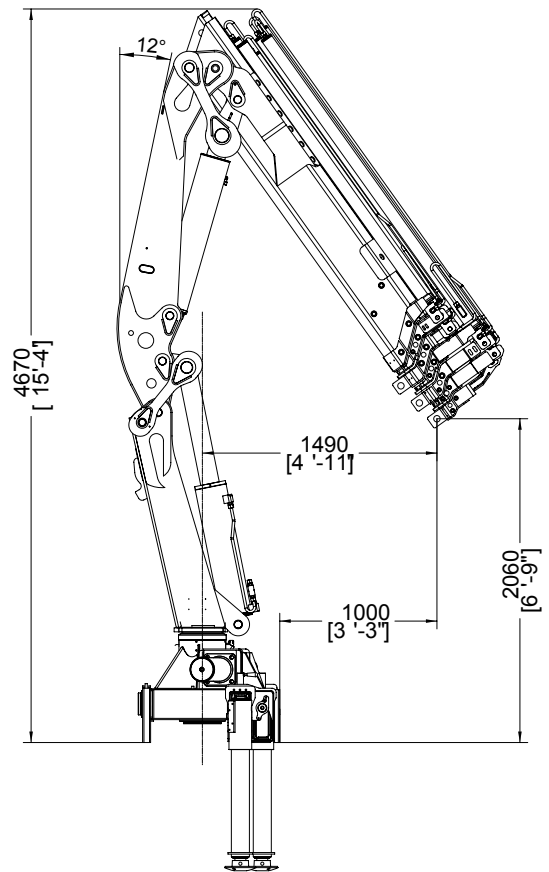
rear truck



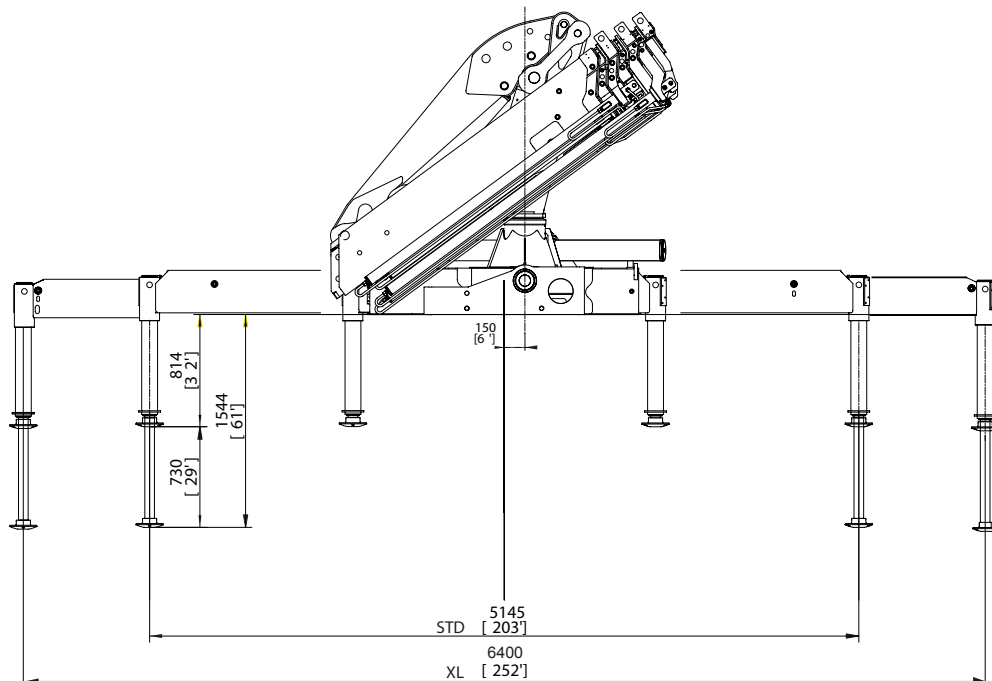
top cabin



operational



extended outriggers












* Note:
Technical features are not binding.
The company reserves itself the right to any modification without notice












220 HIGH POWER

Technical Data

summarized data

									
	kN.m	bar	l/min	kg	°	mm	mm	mm	mm
220.2	214	280	40	2870	400	2453	1150	2194	5200/6400
220.3	208,5	280	40	3024	400	2453	1190	2194	5200/6400
220.4	203,6	280	40	3170	400	2453	1190	2194	5200/6400
220.4J2	203,6	280	40	3530	400	2480	1332	2610	5200/6400
220.4J3	203,6	280	40	3606	400	2480	1332	2610	5200/6400
220.4J4	203,6	280	40	3745	400	2480	1332	2610	5200/6400
220.5	197,82	280	40	3310	400	2518	1190	2194	5200/6400
220.5J3	197,82	280	40	3748	400	2518	1330	2470	5200/6400
220.5J4	197,82	280	40	3790	400	2518	1330	2470	5200/6400
220.6	192,44	280	40	3430	400	2518	1190	2194	5200/6400
220.6J3	192,44	280	40	3866	400	2520	1330	2470	5200/6400
220.7	188,45	280	40	3530	400	2518	1190	2194	5200/6400

									
	lbs.ft	psi	gal/min	lbs	°	ft/inc	ft/inc	ft/inc	ft/inc
220.2	154889	4060	10,5	6330	400	8'1"	3'9"	8'6"	16'11" / 21'0"
220.3	150781	4060	10,5	6720	400	8'1"	3'9"	8'6"	16'11" / 21'0"
220.4	147780	4060	10,5	6990	400	8'1"	3'11"	8'6"	16'11" / 21'0"
220.4J2	147780	4060	10,5	7780	400	8'2"	4'4"	10'3"	16'11" / 21'0"
220.4J3	147780	4060	10,5	7950	400	8'2"	4'4"	10'3"	16'11" / 21'0"
220.4J4	147780	4060	10,5	8300	400	8'2"	4'4"	10'3"	16'11" / 21'0"
220.5	143571	4060	10,5	7300	400	8'3"	3'11"	8'6"	16'11" / 21'0"
220.5J2	143571	4060	10,5	8260	400	8'3"	4'4"	9'7"	16'11" / 21'0"
220.5J3	143571	4060	10,5	8360	400	8'3"	4'4"	9'7"	16'11" / 21'0"
220.6	139670	4060	10,5	7560	400	8'3"	3'11"	8'6"	16'11" / 21'0"
220.6J3	139670	4060	10,5	8520	400	8'3"	4'5"	9'7"	16'11" / 21'0"
220.7	136780	4060	10,5	7790	400	8'3"	3'11"	8'6"	16'11" / 21'0"

technical data

Max. lifting moment	214 kNm	120845 ft.lbs
Max. hydraulic outreach	18.70 m	61'4"
Slewing angle	400°	400°
Slewing torque	3270 daNm	23652 ft.lbs
Stabilizer spread	5.14/6.4 mt	16'11" / 20'12"
Fitting space required (min./max)	1,08 m/1.27 m	3'1"/5'0"
Width folded	2,52 m	8'3"
Max. operating pressure	280 bar	4060 psi
Recommended pump capacity	40 l/min	10,5 US gal./min
Dead weight (vers .2)	2870 kg	6330 lbs

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



COPMA 220



knuckle
boom
cranes



Powerful Synergies



CPS



**CPS
STEEL**

CPS GROUP S.P.A.

281 Via Emilia, Castel Bolognese (RA), 48014
Italy

T +39 0546 653 711

sales.cpsgroup@cps-group.com

service.cpsgroup@cps-group.com

cps-group.com



COPMA MODEL 220 HIGH POWER 3-2021 all rights reserved CPS GROUP

UNICERT
ISO 9001:2008

