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Powerful Synergies

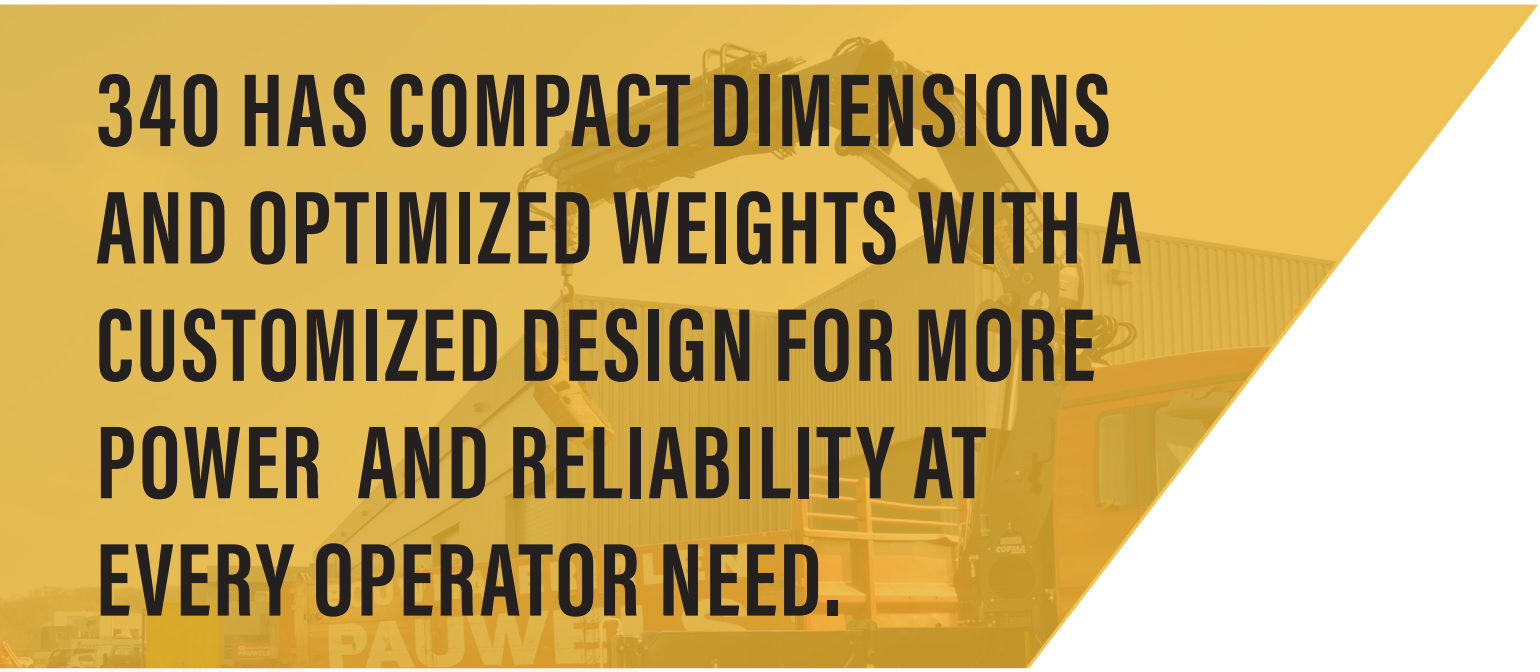


COPMA® 340

TOP RANGE
MODEL

COPMA 340

Performance & Power



340 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 - 34 Ton/Mt**
- **High tensile strength steel**
- **Efficient safety system**
- **Reliability, speed and precision**
- **Extra long working life cycle**
- **Easier maintenance operations**

CPS STEEL CPS COPMA® PESCI PESCI MARINE 2021 All rights reserved CPS GROUP

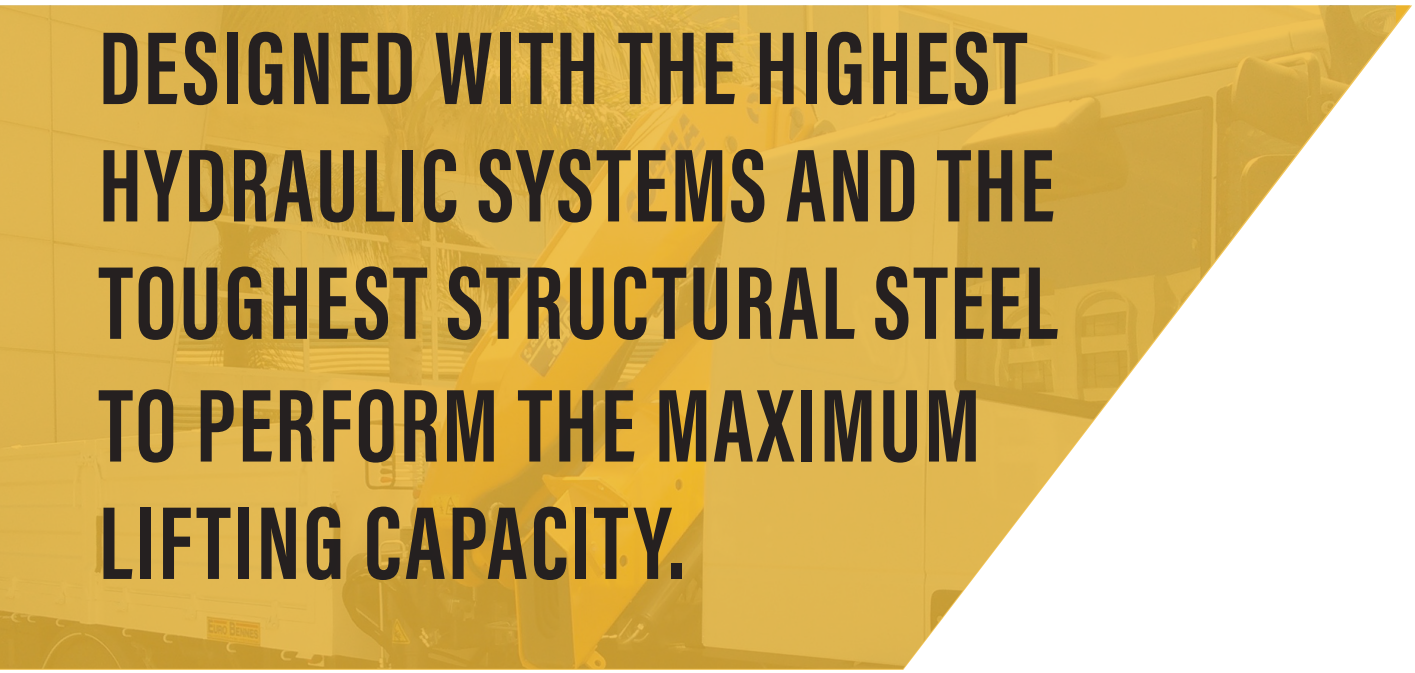


THE MOST POWERFUL CRANE FOR THE TOUGHEST MARKETS

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COPMA 340

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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DESIGNED FOR FLEXIBLE SERVICES

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COPMA 340
Technical Features

CUTTING EDGE FEATURES FOR MAXIMUM LIFTING POWER, STABILITY AND OPERATIONAL SAFETY IN EVERY WORKING CONDITION.

Standard features

- easy use
  - HSE easy use
- control
  - * TAD control
  - * CMS 2.0 control
  - * TES 3.0 control
  - * NCS control
  - RRC 3.0 control
- structure
  - RES 1.0 structure
  - CCLS structure
  - NBS structure

optional features

- easy use
  - HLS 2.0 easy use
  - ERD easy use
- control
  - WLC control
  - * CMS 3.0 control
  - * PJM control
  - CRC 4.0 control

*CE version
‡Only for CE version/600° for NO CE version
⊟OPT. for NO 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.



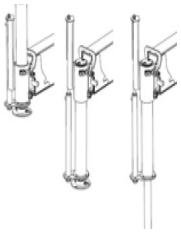
TAD control — Transport Alert Device

Sensors on the basement 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.



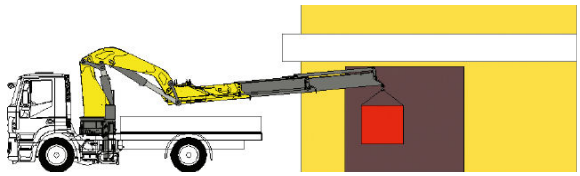
HLS 2.0 easy use — Hydraulic Lifting Stabilizers 2.0

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.



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.



RRC 3.0 control — Radio Remote Control 3.0

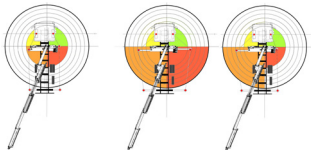
Radio control with directly flanged actuation electronics with proportional distribution.
The remote control allows operating the crane while constantly monitoring the areas of operation.



CMS 2.0 control — Crane Monitoring System 2.0

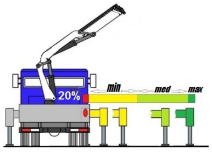
Crane stability control system TES2-TES3 with safety and overload controls and HPVE lifting speed management. Active control on 4-8 working areas according to the model and vehicle stability requirements.





TES 3.0 control — Truck Electronic Stability 3.0

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





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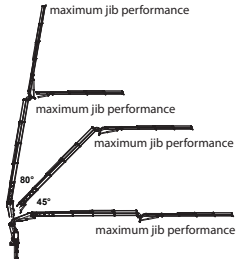
Negative Control System

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.



Power Jib Monitoring

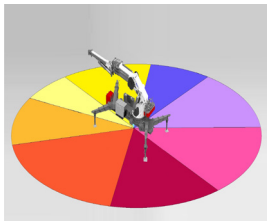
The PJM system guarantees to operate with the maximum performance in every working condition thanks to a dynamic variation of the maximum pressure according to the crane arm angles.



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.



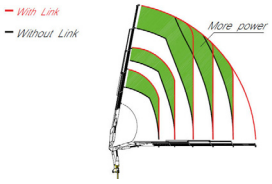


COPMA ® Remote Connectivity 4.0

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

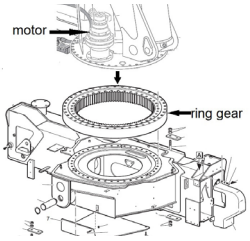
Constant Control Link

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.



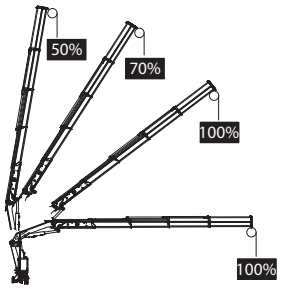
Rotation Endless System 1.0

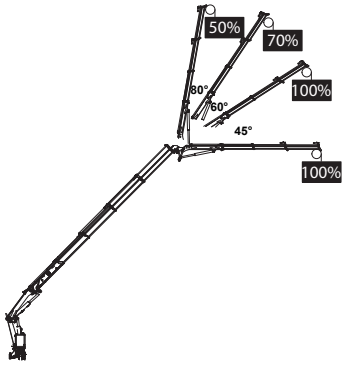
A rotating bearing and one gearbox system, the electric wires are linked between base-column with a swivel electrical-hydraulic joint. Allows operator to gain maximum power also at the slowest operational speed and having the highest precision.



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.



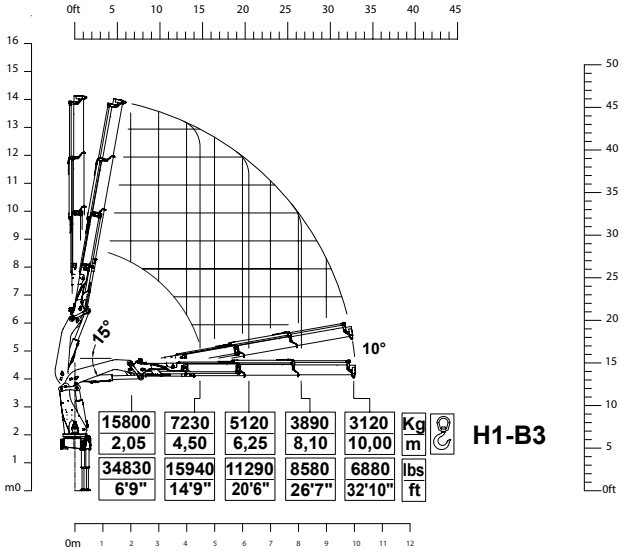


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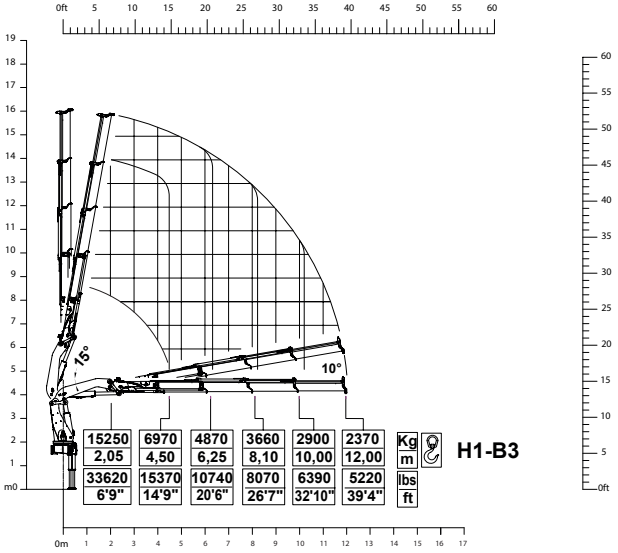
340 TOP RANGE

Load Charts

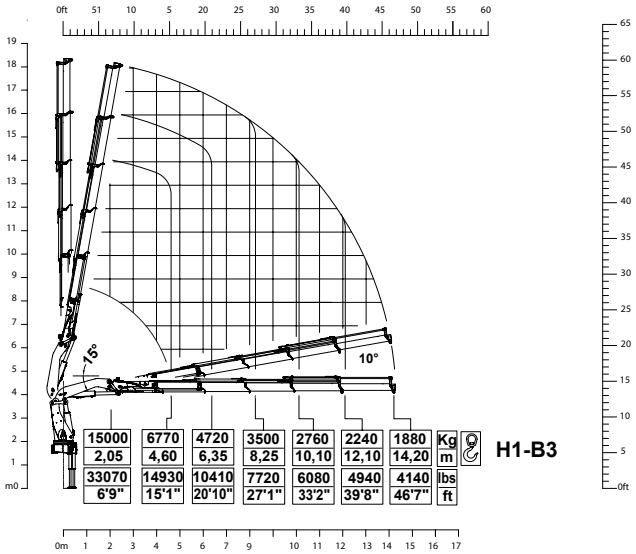
3 extensions



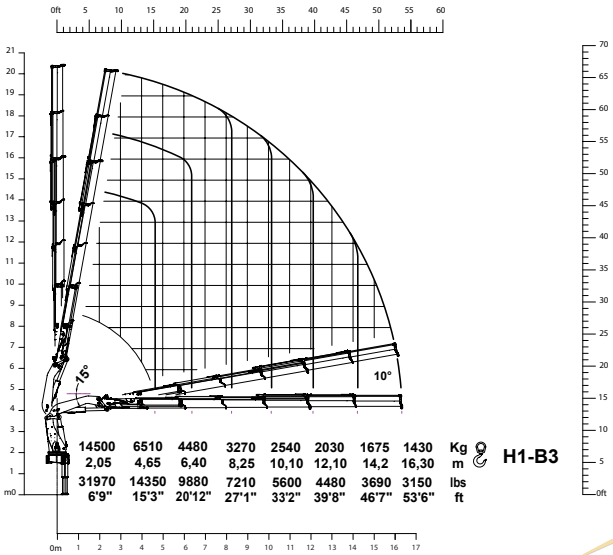
4 extensions



5 extensions

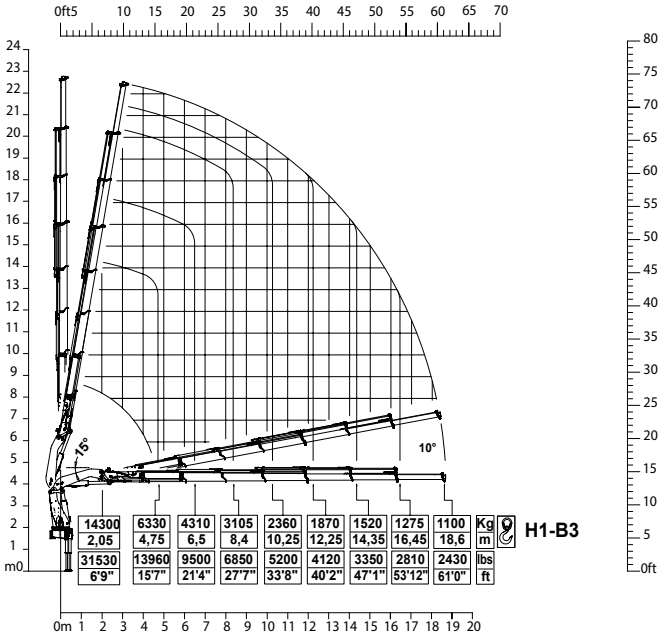


6 extensions

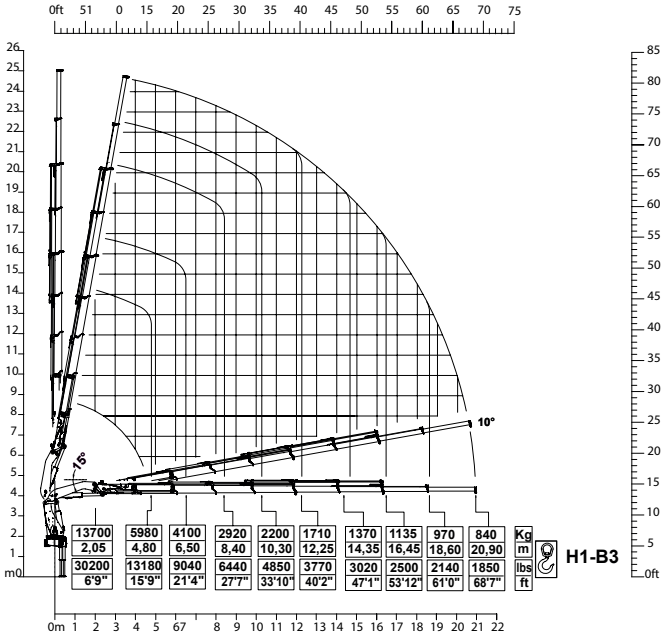


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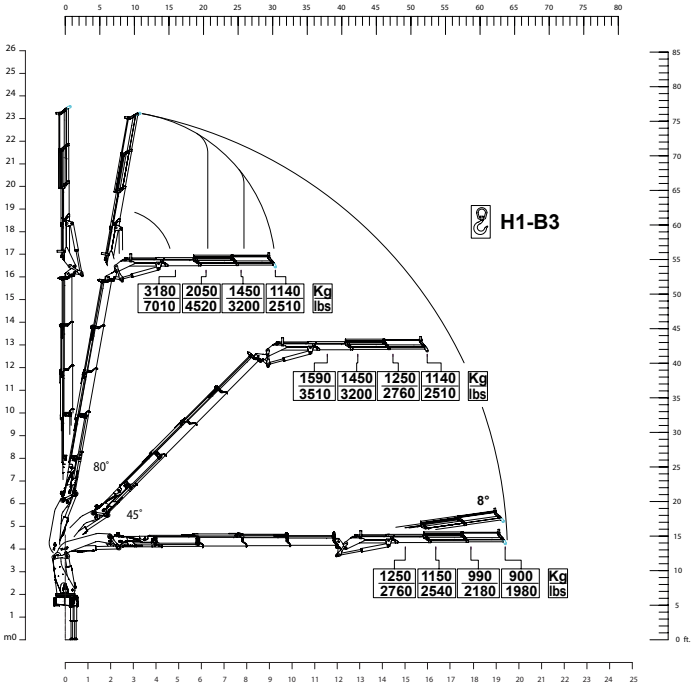
7 extensions



8 extensions

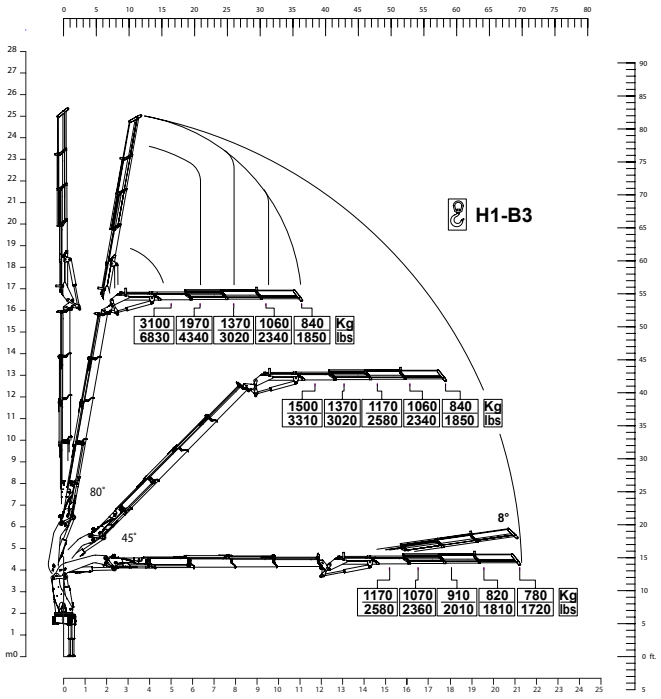


340.4 + J3

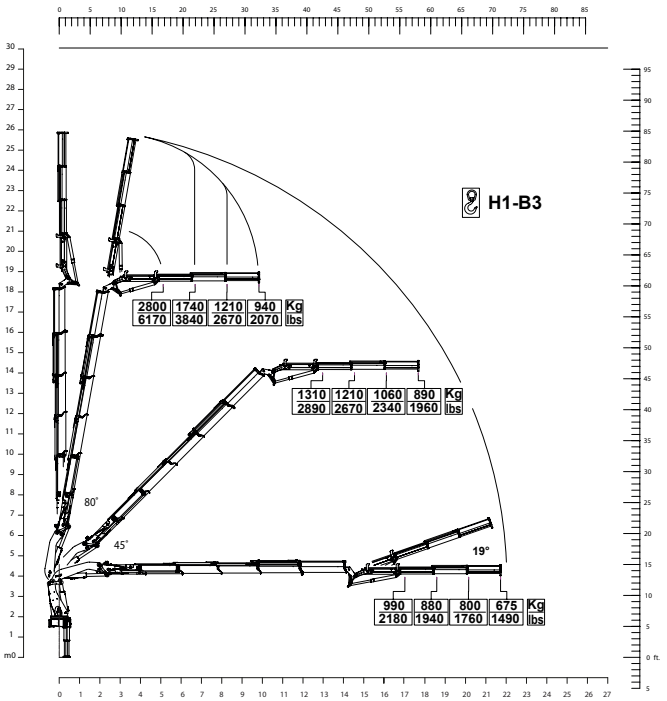


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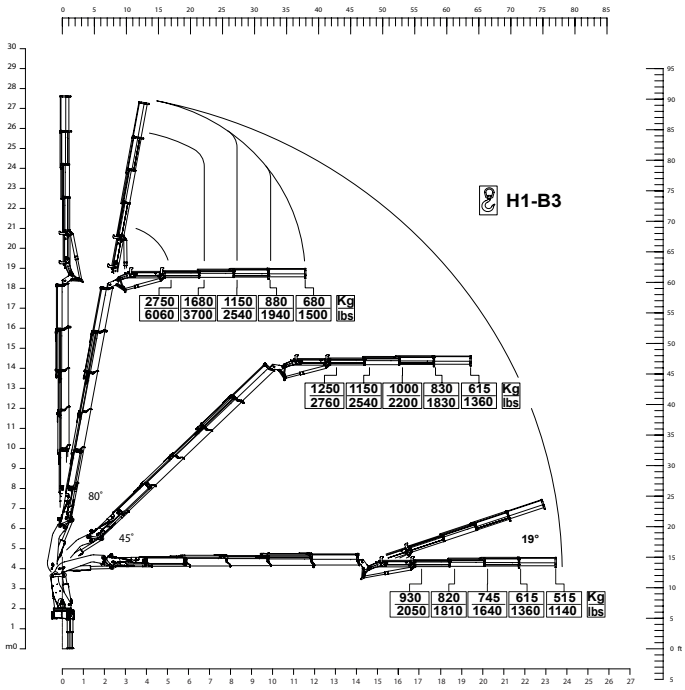
340.4 + J4



340.5 + J3

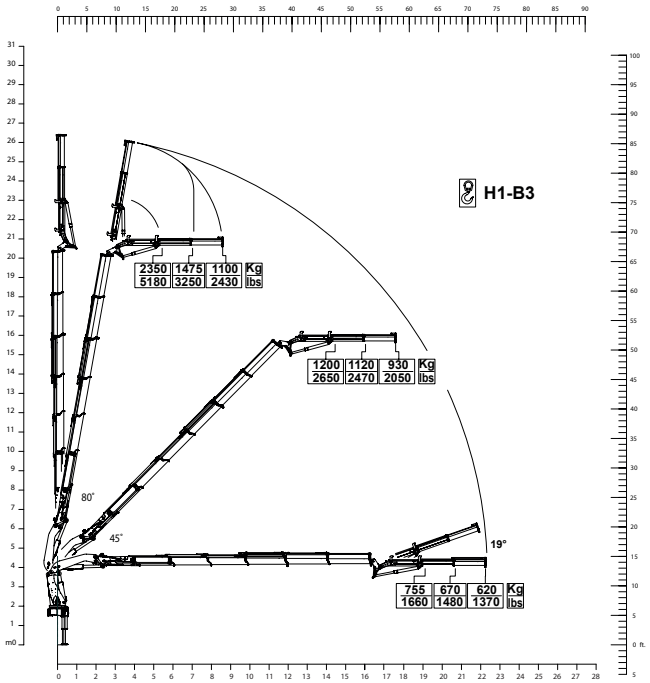


340.5 + J4

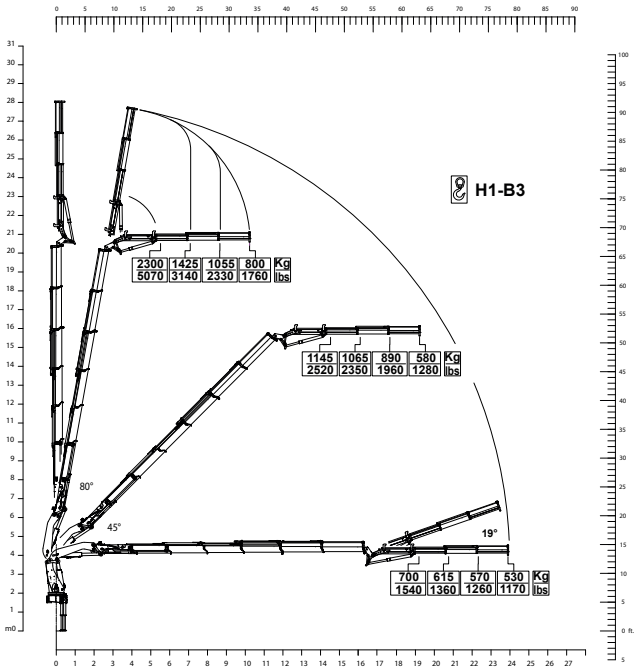


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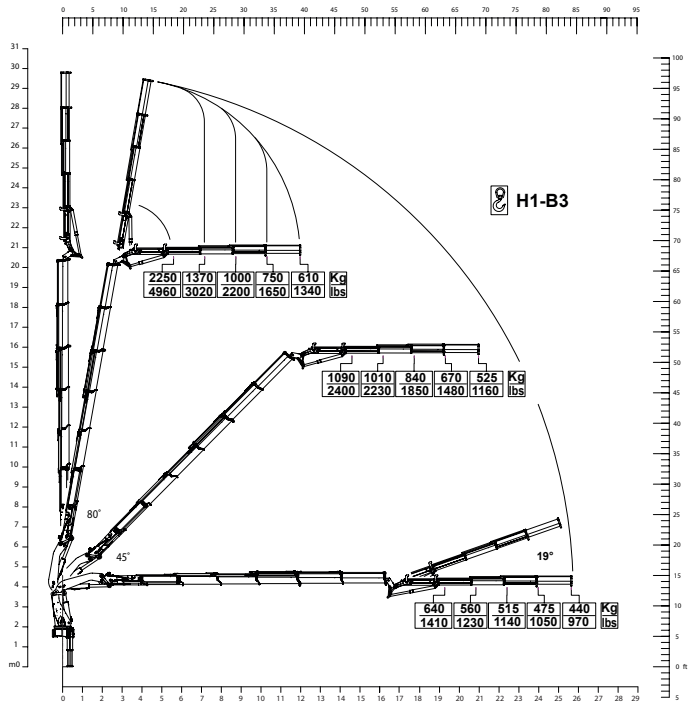
340.6 + J2



340.6 + J3



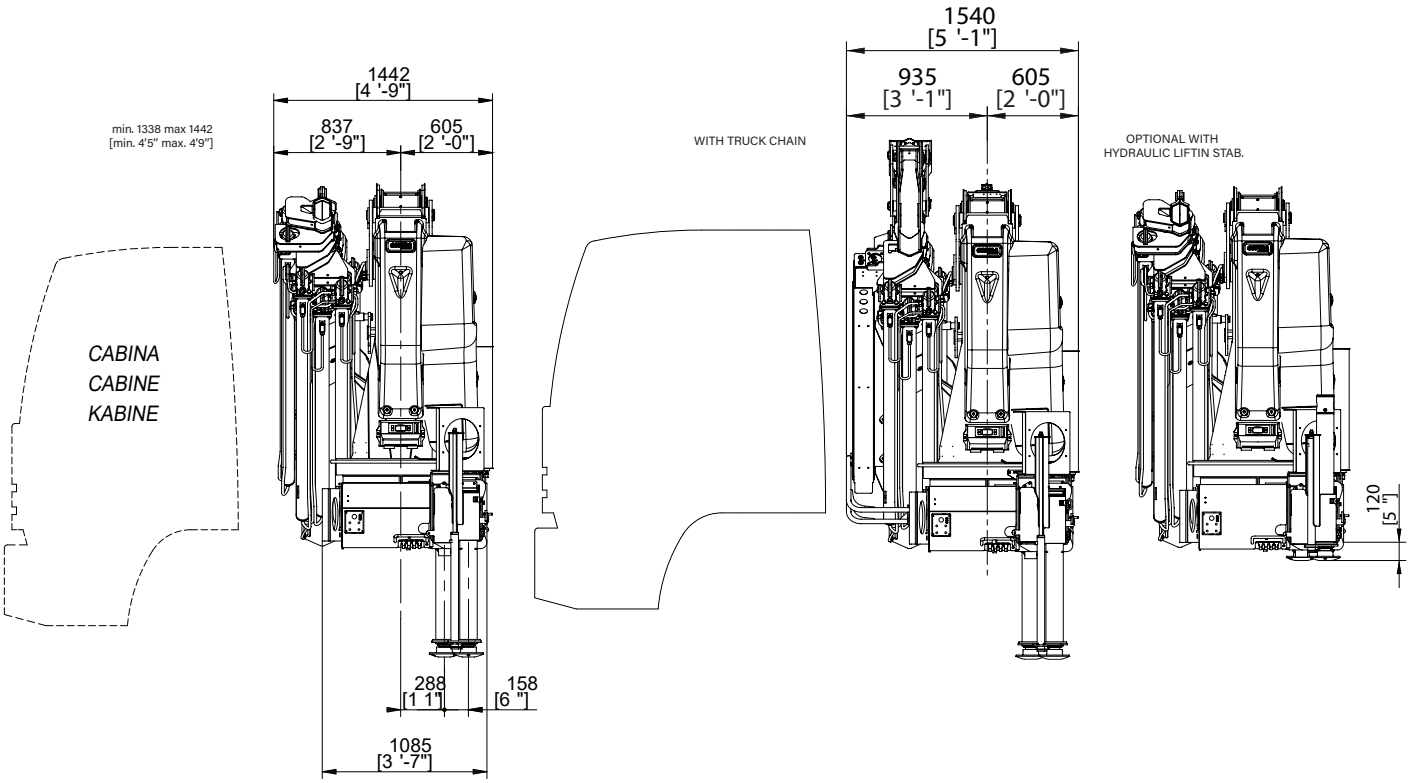
340.6 + J4



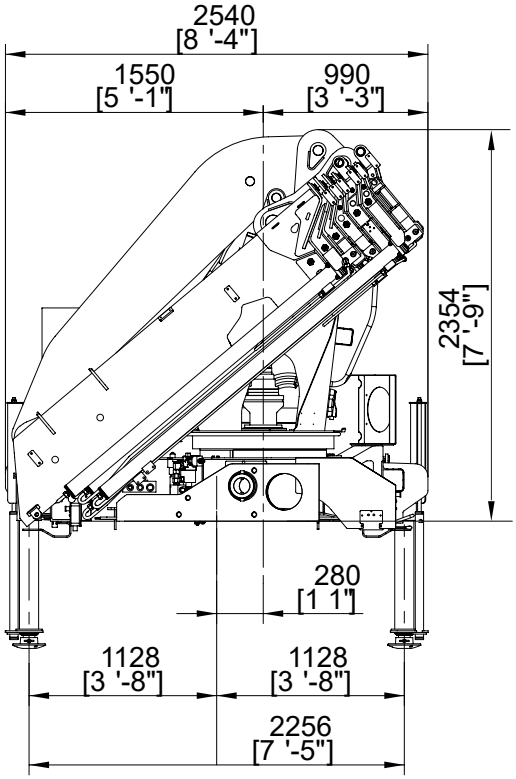
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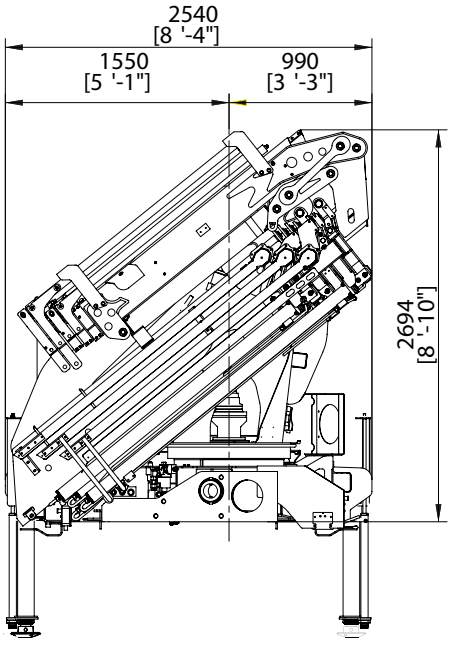
Crane Dimensions

back cabin left



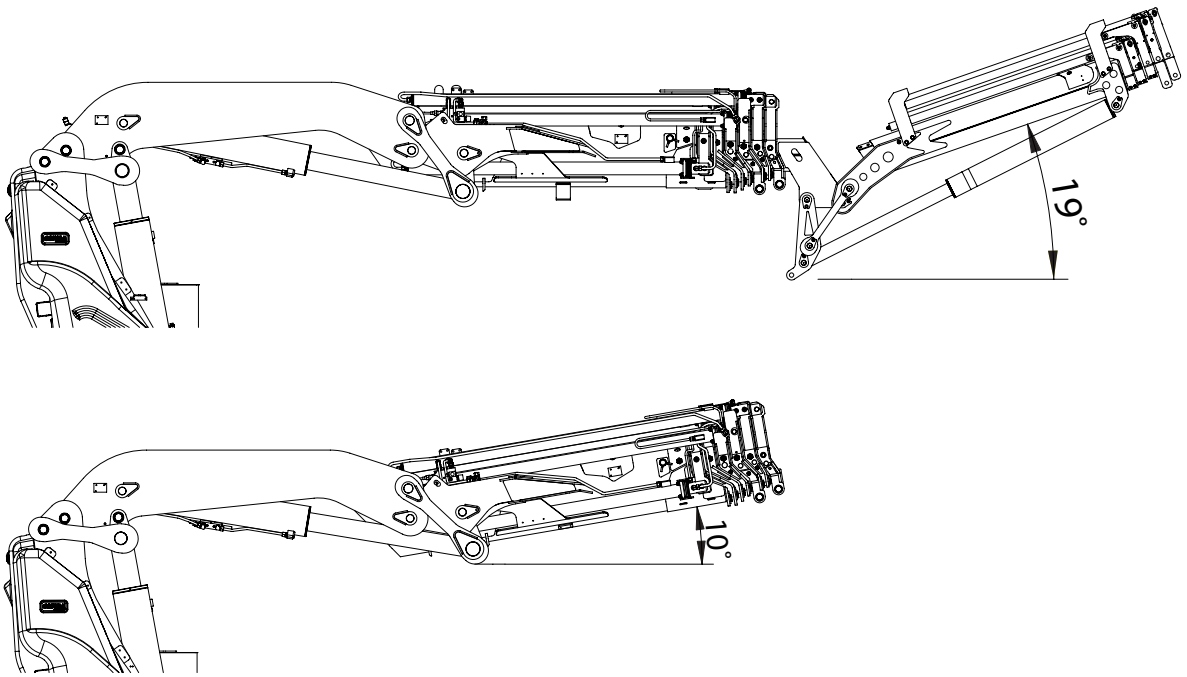
rear truck



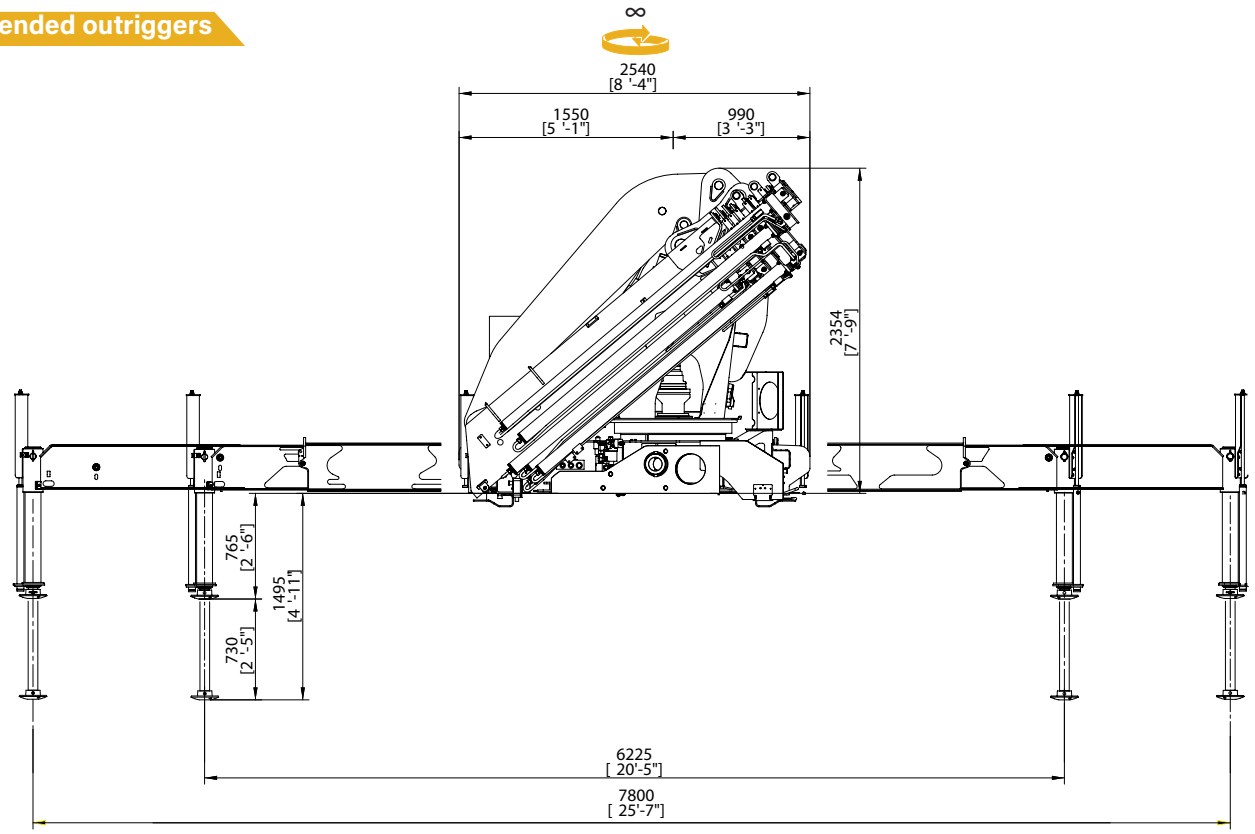


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operational



extended outriggers



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

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340 TOP RANGE

Technical Data

summarized data

	kN.m	bar	l/min	kg	°	mm	mm	mm	mm
340.3	319,17	290	60	3990	∞*	2540	1338	2354	6200/7800
340.4	307,7	290	60	4160	∞*	2540	1338	2355	6200/7800
340.4J3	307,7	290	60	4720	∞*	2540	1540	2640	6200/7800
340.4J4	307,7	290	60	4780	∞*	2540	1540	2640	6200/7800
340.5	305,5	290	60	4320	∞*	2540	1338	2355	6200/7800
340.5J3	305,5	290	60	4880	∞*	2540	1540	2640	6200/7800
340.5J4	305,5	290	60	4940	∞*	2540	1540	2640	6200/7800
340.6	296,96	290	60	4480	∞*	2540	1442	2355	6200/7800
340.6J2	296,96	290	60	4980	∞*	2540	1540	2696	6200/7800
340.6J3	296,96	290	60	5040	∞*	2540	1540	2696	6200/7800
340.6J4	296,96	290	60	5100	∞*	2540	1540	2696	6200/7800
340.7	294,96	290	60	4610	∞*	2540	1442	2355	6200/7800
340.8	281,6	290	60	4720	∞*	2540	1442	2355	6200/7800

*600° for Extra E.C. market

	lbs.ft	psi	gal/min	lbs	°	ft/inc	ft/inc	ft/inc	ft/inc
340.3	230856	4205	15,8	8800	∞*	8'4"	4'9"	7'9"	20'5"/25'7"
340.4	230856	4205	15,8	9170	∞*	8'4"	4'9"	7'9"	20'5"/25'7"
340.4J3	230856	4205	15,8	10710	∞*	8'4"	5'1"	8'10"	20'5"/25'7"
340.4J4	230856	4205	15,8	10890	∞*	8'4"	5'1"	8'10"	20'5"/25'7"
340.5	220968	4205	15,8	9520	∞*	8'4"	4'9"	7'9"	20'5"/25'7"
340.5J3	220968	4205	15,8	10760	∞*	8'4"	5'1"	8'10"	20'5"/25'7"
340.5J4	220968	4205	15,8	10890	∞*	8'4"	5'1"	8'10"	20'5"/25'7"
340.6	2190261	4205	15,8	9880	∞*	8'4"	4'9"	7'9"	20'5"/25'7"
340.6J2	2190261	4205	15,8	10980	∞*	8'4"	5'1"	8'10"	20'5"/25'7"
340.6J3	2190261	4205	15,8	11110	∞*	8'4"	5'1"	8'10"	20'5"/25'7"
340.6J4	219026	4205	15,8	11240	∞*	8'4"	5'1"	8'10"	20'5"/25'7"
340.7	217551	4205	15,8	10160	∞*	8'4"	4'9"	7'9"	20'5"/25'7"
340.8	211167	4205	15,8	10410	∞*	8'4"	4'9"	7'9"	20'5"/25'7"

*600° for Extra E.C. market

technical data

Max. lifting moment	319,17 kNm	230856 ft.lbs
Max. hydraulic outreach	20.90 m	68'7"
Slewing angle	∞	∞
Slewing torque	3600 daNm	23652 ft.lbs
Stabilizer spread	6.22/7,8 mt	20'5"/25'7"
Fitting space required (min./max)	1,33 m/1,55 m	4'5"/5'1"
Width folded	2,54 m	8'4"
Max. operating pressure	290 bar	4205 psi
Recommended pump capacity	60 l/min	15,8 US gal./min
Dead weight (vers. 3)	3990 kg	8800 lbs

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

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COPMA 340

knuckle boom cranes

Powerful Synergies

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