

/// CRAWLER CARRIERS

/// MINI CRANES



ELMA BY **PLATFORM**
BASKET



The strength of the Group for the highest challenges

Being part of a Group of qualified companies means sharing a common vision and working together to achieve common goals, reduce costs, and improve the quality of products and services.



PLATFORM BASKET
Leader in the production of aerial platforms since 2005 in the industrial and railway sectors.



ELMA
From engineering to innovation, specialized in the design of new products and the development of material handling machines.



QBM
The power of operational control in every single action. Design and manufacturing synergy lies within this company specialized in the production of electrical systems for the mobile sector.



LSE
Every sheet metal part is a promise of quality; a company established with the aim of serving the entire sheet metal consumer and user market comprehensively.



TMC
Founded in 1974, the company is a leader in reducing the Group's production times and costs thanks to the strength of state-of-the-art technologies and excellent organization.



Reliable, technologically advanced and user-friendly products

Who we are

Founded in 2020 from Platform Basket's expertise, ELMA has quickly established itself as a Mini Cranes and Crawler Carriers manufacturer and a true R&D centre, backed by a team of engineers dedicated to innovating and refining lifting equipment across various sectors.

From the outset, the company - composed of skilled professionals with solid industry experience - identified material handling as its core focus.

A prime example is its range of tracked mini cranes and crawler carriers, offering outstanding performance in lifting and transport, combined with remarkable compactness.

Our philosophy is to develop products that are reliable, technologically advanced and practical to use.

This constantly substantiated objective in production, together with a constant focus on customer needs, has enabled an international development that is now recognised by all operators in the sector.

Some key projects include the development of the new mini cranes and crawler carriers lines – a strategic and design-driven choice focused on creating compact, easy-to-use, and easily transportable machines for material handling applications.

ELMA products allow for high performance in handling and transportation while maintaining the compactness and weight needed to pass through narrow spaces and uneven surfaces. Characterized by design logic similar to Platform Basket platforms, they can operate both as stabilized cranes and as pick & carry machines.

Easy to transport:

all models are transportable with a light trailer (3.5T).

Applications:

ideal for maintenance and construction, both indoors and outdoors, in sectors such as material handling, construction, and site support.

Lightweight structure:

the operating weight allows for low ground pressure, making them particularly suitable for delicate surfaces and areas with floors or balconies.

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Range

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Research and development laboratories



5

Production plants



200

Employees and collaborators



800

Active customers



>10.000

Machines operating worldwide

/// CRAWLER CARRIERS

Versatile and robust

The new range of electric tracked carriers by ELMA includes three robust and versatile models designed for a wide variety of professional applications.

/// CR15



The CR15 is the most compact and lightweight in the range, with a load capacity of 1,500 kg and an unladen weight of just 495 kg.

It is ideal for working indoors, in renovations, or on job sites with limited space. Despite its size, it offers excellent maneuverability and can handle gradients of up to 40°.

Its narrow width allows access through tight openings without compromising stability.

/// CR30



The CR30 offers greater loading capacity (3,000 kg) and enhanced performance in terms of stability and versatility.

With a width of only 795 mm, it delivers maximum performance in a compact size, with a top speed of 4 km/h, and 48V lithium batteries with 120 or 180 Ah capacity.

Radio remote control is standard, ensuring safe and intuitive operation in even the most demanding environments.

/// CR30-H



The CR30-H shares the structure and capacity of the CR30 but comes equipped with larger tracks and a wider undercarriage, making it particularly suited to rough terrain, forestry applications, or uneven surfaces.

It's the perfect choice for those needing increased traction and stability without sacrificing the benefits of electric operation and compact design.

/// CRD30



The CRD 30 is the ideal solution for material handling in particularly challenging terrain conditions.

It was also developed to provide support during rescue operations, thanks to its ability to overcome steep and uneven ground.

The large deck allows the transport and use of a wide range of equipment, including customized solutions, while the wide tracked undercarriage is designed to ensure low ground pressure.

Wide range of configurations

The CR tracked carriers are also available with a wide range of accessories and configurations: fixed or rotating platforms, Forestry Kit, Glass Sheet Transport Kit, and Dumper Kit, with load capacities tailored to each setup. All models are designed to be modular and easily adaptable to a variety of operational needs.



All models in the CR series are fully electric, powered by an innovative modular battery system derived from ELMA's MCX line.

This setup includes independent battery modules designed to provide uninterrupted operation even in case of partial failure: if one module stops functioning, the machine continues to run with the remaining ones.

This modular architecture significantly improves reliability, safety, and uptime on site.

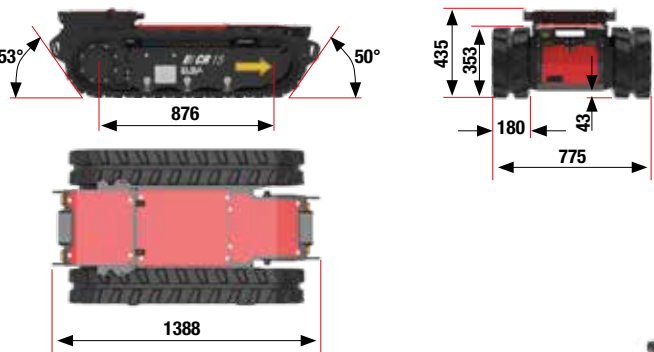
The entire range is available in the **FULL-RADIO version**



CR15 / SERIES

Compact, lightweight, tireless

- Fully electric, powered by 48V modular batteries
- Max load capacity: 1,500 kg
- Unladen weight: only 380 kg
- Width: 775 mm | Length: 1390 mm
- Ground clearance: 44 mm
- Climbable gradient: 40° (longitudinal)
- Max speed: 4 km/h
- Equipped with remote control for intuitive and safe operation
- Perfect for indoor use, renovations, and narrow-access construction sites
- Excellent maneuverability in tight spaces without compromising stability



TECHNICAL DATA		CR15
Maximum capacity	Kg	1500
Maximum longitudinal gradient	°	40°
Maximum lateral gradient	°	30°
Overall width	mm	775
Overall length	mm	1390
Track length	mm	876,5
Track width	mm	180
Ground clearance	mm	44
Maximum speed	km/h	4
Electric motor power	kW	4,4
Voltage	V	48
Lithium battery capacity (1 standard battery)	Ah	60
Lithium battery capacity (2 standard batteries)	Ah	120
Lithium battery capacity (with additional battery)	Ah	-
International Protection		IP67
Controller: radio remote control		ok
Gross weight	Kg	380



Configurations

- Forestry kit
- Glass transport kit

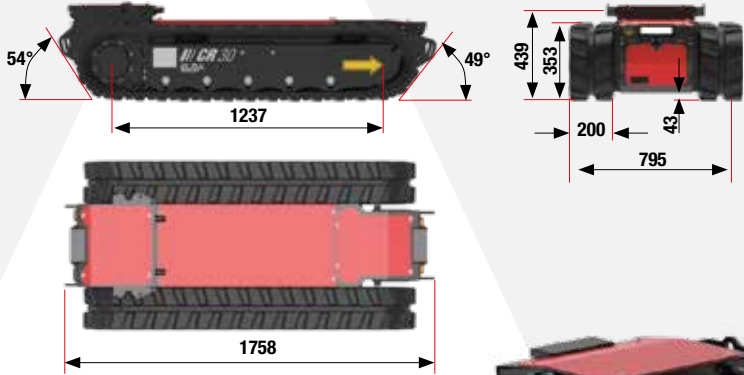
See page 10



CR30 / SERIES

A balance of versatility and performance

- Fully electric, with 48V modular batteries
- Max load capacity: 3,000 kg
- Total weight: 495 kg
- Width: 795 mm | Length: 1750 mm
- Ground clearance: 43 mm
- Climbable gradient: 40° (longitudinal), 30° (lateral)
- Max speed: 4 km/h
- Lithium battery options: 120 or 180 Ah
- Electric motor power: 4.4 kW
- Standard remote control for precise, safe operation
- Ideal for those seeking compactness and high performance even in complex working conditions



TECHNICAL DATA		CR30
Maximum capacity	Kg	3000
Maximum longitudinal gradient	°	40°
Maximum lateral gradient	°	30°
Overall width	mm	795
Overall length	mm	1750
Track length	mm	1236,5
Track width	mm	200
Ground clearance	mm	43
Maximum speed	km/h	4
Electric motor power	kW	4,4
Voltage	V	48
Lithium battery capacity (1 standard battery)	Ah	-
Lithium battery capacity (2 standard batteries)	Ah	120
Lithium battery capacity (with additional battery)	Ah	180
International Protection		IP67
Controller: radio remote control		ok
Gross weight	Kg	495



Configurations

- Dumper kit
- Dumper kit + Bucket kit
- Forestry kit
- Glass transport kit
- Lift kit

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Platforms - versions

Fixed platform

Dimensions: 165 x 74 cm
Capacity: max 3000 Kg
Weight: 190 Kg



Rotating platform

Dimensions: 165 x 74 cm
Capacity: max 3000 Kg
Weight: 190 Kg
Rotation: 180°



Modular battery sistem - detail

Modular battery set, easily replaceable and designed to ensure operational continuity even in case of malfunction of one module.

- Fast charging within 3 hours
- Long shelf life with shutdown mode
- Low-temperature operation (-35 °C) with optional integrated heater
- ECE R100/R10 certification for on-road electric vehicle applications in the EU

Plug&play system

Quick couplers for hydraulic attachments positioned at the rear of the carriers, ensuring maximum operating efficiency.



Platforms - versions

Fixed platform

Dimensions: 165 x 74 cm
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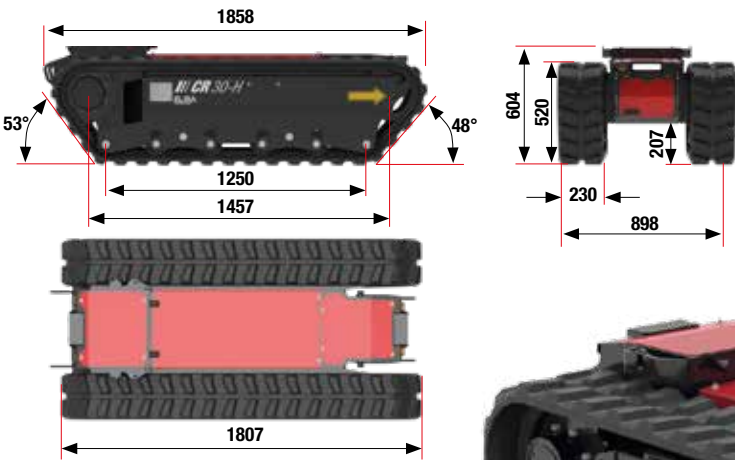
Plug&play system

Quick couplers for hydraulic attachments positioned at the rear of the carriers, ensuring maximum operating efficiency.



Extra strength for the toughest jobs

- Fully electric, powered by 48V modular batteries
- Max load capacity: 3,000 kg
- Total weight: 690 kg
- Dimensions: 920 mm width, 1925 mm length
- Ground clearance: 240 mm
- Reinforced tracks (1515 mm long) for greater traction and stability
- Climbable gradient: 40° (longitudinal), 30° (lateral)
- Max speed: 4 km/h
- Lithium batteries: 120 or 180 Ah
- Remote control included for full control even on rough terrain
- The ideal choice for outdoor, uneven, or forested work sites, without sacrificing compactness and maneuverability



Configurations

- Dumper kit
- Forestry kit
- Glass transport kit
- Lift kit

See page 10

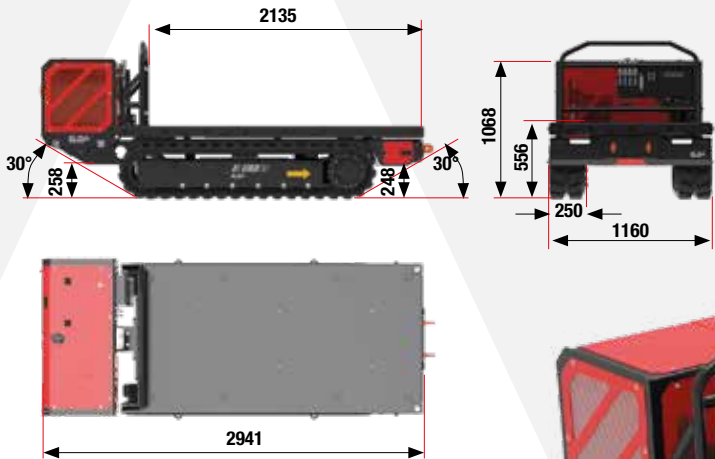


TECHNICAL DATA		CR30H
Maximum capacity	Kg	3000
Maximum longitudinal gradient	°	40°
Maximum lateral gradient	°	30°
Overall width	mm	920
Overall length	mm	1925
Track length	mm	1515
Track width	mm	250
Ground clearance	mm	240
Maximum speed	km/h	4
Electric motor power	kW	4,4
Voltage	V	48
Lithium battery capacity (1 standard battery)	Ah	-
Lithium battery capacity (2 standard batteries)	Ah	120
Lithium battery capacity (with additional battery)	Ah	180
International Protection		IP67
Controller: radio remote control		ok
Gross weight	Kg	690

The power to tackle difficult terrain

The CRD 30 is the ideal solution for material handling in particularly challenging terrain conditions. It was also developed to provide support during rescue operations, thanks to its ability to overcome steep and uneven ground.

The large deck allows the transport and use of a wide range of equipment, including customized solutions, while the wide tracked undercarriage is designed to ensure low ground pressure.



TECHNICAL DATA		CRD30
Maximum capacity	Kg	3000
Maximum longitudinal gradient	°	30°
Maximum lateral gradient	°	30°
Overall width	mm	1190
Overall length	mm	2940
Track length	mm	1550
Track width	mm	250
Ground clearance	mm	250
Maximum speed	km/h	2,5
Electric motor power DIESEL KUBOTA	kW	16
Quick couplings for powering external equipment	n°	4
Hydraulic oil tank capacity	lt	30
Diesel tank capacity	lt	15
Lithium battery capacity (with additional battery)	Ah	180
Controller: radio remote control		ok
Gross weight	Kg	1400
Quick couplings	bar l/min	200 15

Platforms - versions

Fixed platform
Dimensions: 165 x 74 cm
Capacity: max 3000 Kg
Weight: 190 Kg



Rotating platform
Dimensions: 165 x 74 cm
Capacity: max 3000 Kg
Weight: 190 Kg
Rotation: 180°



Modular battery system - detail

Modular battery set, easily replaceable and designed to ensure operational continuity even in case of malfunction of one module.

- Fast charging within 3 hours
- Long shelf life with shutdown mode
- Low-temperature operation (-35 °C) with optional integrated heater
- ECE R100/R10 certification for on-road electric vehicle applications in the EU

Plug&play system

Quick couplers for hydraulic attachments positioned at the rear of the carriers, ensuring maximum operating efficiency.



Versatile

Designed to handle even the most demanding tasks



Wide range of configurations

With their combination of load capacity, compact dimensions, electric power and advanced modular battery technology, the CR series represents an innovative and sustainable solution for transporting materials in construction, maintenance, landscaping, and urban work environments.

The CR tracked carriers are also available with a wide range of accessories and configurations: fixed or rotating platforms, Forestry Kit, Glass Sheet Transport Kit, and Dumper Kit, with load capacities tailored to each setup. All models are designed to be modular and easily adaptable to a variety of operational needs.



Dumper kit

Max. capacity: 1300 Kg
Volume: 420 liters
Weight: 220 Kg

available for the CR30 and CR30-H models



Forestry kit

Max. capacity:
- for the CR30 and CR30-H models: 3000 Kg
- for the CR15 model: 1450 Kg
Weight: 50 Kg
Space between holders: 153x66 cm
Holder height: 66 cm

It is necessary to combine it with a fixed or rotating platform



Glass transport kit

Max. capacity:
- for the CR30 and CR30-H models: 2875 Kg
- for the CR15 model: 1375 Kg
Weight: 125 Kg
Structure dimensions: 199x76x140h cm
Structure inclination: 10°

It is necessary to combine it with a fixed or rotating platform

Lift kit 1

Max. capacity: 990 Kg
Weight: 290 Kg
Max elevation: 186 cm (CR30 model)
206 cm (CR30-H model)

available for the CR30 and CR30-H models



Lift kit 2

Max. capacity: 490 Kg
Weight: 350 Kg
Max elevation: 305 cm (CR30 model)
325 cm (CR30-H model)

available for the CR30 and CR30-H models



Dumper kit + Bucket kit

Capacity: max bucket 100 Kg
Volume: 50 liters
Weight: 35 Kg
Excavation depth: cm -10
Lifting height: cm 161

available for the CR30 model



Additional options

The CR series is equipped with numerous additional options, such as the dolly system for transporting heavy equipment and the kit for disassembling and temporarily storing the machine's accessories.



MINI CRANES

Simple and functional

For daily use applications, it is often preferable to have machines that are accessible to everyone, highly compact machines that can be used anywhere. Easy to operate even for a novice, thanks to intuitive instrumentation that suits any level of use.

PCR10



1.1T

PCR12



1.1T

Series of tracked machines without outriggers, with a load deck capacity of 1.1T (PCR10) and crane performance of 1.2Tm (PCR12)

It is possible of equipping a winch or tools at the boom tip, like the glass manipulation system.

MCR30



3Tm

MCR40



4Tm

Series of tracked machines with variable-position outriggers. Crane performance of 3Tm (MCR30) and 4Tm (MCR40)

It is possible to equip a winch or tools at the boom tip, like the glass manipulation system. They can also be used without stabilizers, as pick-and-carry machines.

MCX90



9Tm

MCX110



11Tm

Series of tracked machines with variable-position outriggers. Crane performance of 9Tm (MCX90) and 11Tm (MCX110)

It is possible to equip a winch or tools at the boom tip, like the glass manipulation system. They can also be used without stabilizers, as pick-and-carry machines.

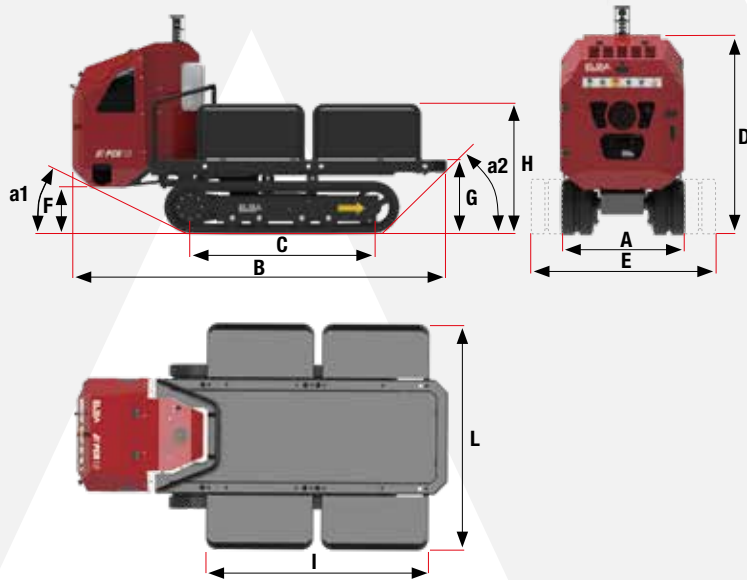
Tracked machine without stabilizers, with a loading platform capacity of 1.1T

- Low center of gravity transporter for maximum stability during load transport.
- Wide loading platform, configurable in two positions:
 - **Narrow:** to pass through standard doors.
 - **Wide:** for larger loads.
- Motorization available in two versions:
 - **Petrol + 230 Vac electric pump** (optional)
 - **Full-electric** with lithium-ion batteries **48Vdc 110Ah**
- Standard radio remote control for safety and ease of use.



1.1T

Technical data



TECHNICAL DATA		STD	E
A	m	0,79	
B	m	2,52	
C	m	1,24	
D	m	1,3	
E	m	0,98	
F	m	0,33	
G	m	0,47	
H	m	0,85	
I	m	1,51	
L	m	1,54	
a1	°	31°	
a2	°	39°	
Maximum load on platform	kg	1100	
Maximum translation speed	km/h	2,1	
Maximum slope capability	°	25°	
WEIGHTS		STD	E
Standard machine weight	kg	1000	1050
Ground pressure on tracks	kg/cm²	0,12	0,13
ENGINE OPTIONS		STD	E
Petrol engine	8,7kW/11,7HP @3600 rpm	•	-
Electric motor 230Vac (optional)	2,2kW/3HP 230Vac/50Hz	•	-
Electric motor	4,0kW/5,5HP 48Vdc	-	•
Battery characteristics	51,2Vdc 105Ah Lithium Ion	-	•

OPTIONAL EQUIPMENT:

- White tracks
- 230Vac electric pump

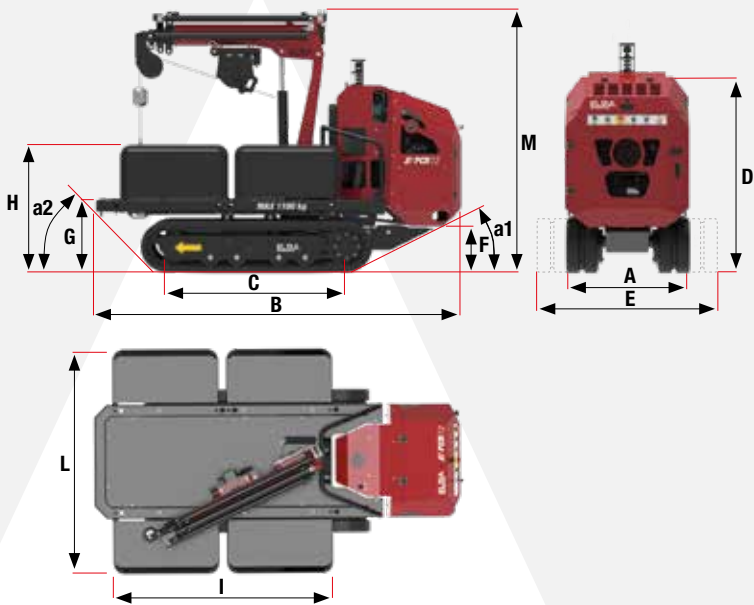
Multi-functional crane with wide opening angle, lifting capacity of 1.2 Tm up to 5 m in height and 4 m outreach.

- Transport platform with two configurations: **closed** to pass through standard doors, or **open** to maximize the useful area.
- **Pick and carry mode**: track movement with loads up to 250 kg.
- Motorization available in two versions:
 - **Petrol + 230 Vac electric pump** (optional)
 - **Full-electric** with lithium-ion batteries **48Vdc 110Ah**
- Standard radio remote control for safety and ease of use.
- Compatible with accessories such as glass handling systems.



1.1T

Technical data

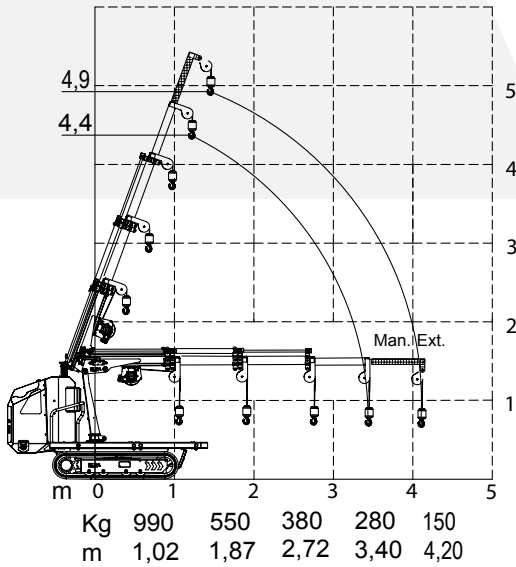


TECHNICAL DATA		STD	E
A	m	0,79	
B	m	2,52	
C	m	1,24	
D	m	1,3	
E	m	0,98	
F	m	0,33	
G	m	0,47	
H	m	0,85	
I	m	1,51	
L	m	1,54	
M	m	1,68	
N	m	2,7	
a1	°	31°	
a2	°	39°	
b	°	25°	
Max moment crane	Tm	1,2	
Max horizontal outreach	m	3,41	
Maximum load capacity	kg	990	
Crane boom working angle	°	+70° -30°	
Rotation angle of the crane arm	°	±25	
Rotation speed	kNm	2,5	
Travel speed	km/h	2,6	
Max slope capability	°	25°	
Max pressure at the distributor	bar	190	
Hydraulic oil tank capacity	l/min	8	
Single line winch (optional)	l	22	
Argano tiro singolo (optional)	kg rope	600 Ø7mm - 46m	
WEIGHTS		STD	E
Standard machine weight	kg	1250	1280
Winch kit weight	kg	70	70
Ground pressure (on tracks)	kg/cm²	0,12	0,13
ENGINE OPTIONS		STD	E
Petrol engine	8,7kW/11,7HP @3600 rpm	•	-
Electric motor 230Vac (optional)	2,2kW/3HP 230Vac/50Hz	•	-
Electric motor	4,0kW/5,5HP 48Vdc	-	•
Battery characteristics	51,2Vdc 105Ah Lithium Ion	-	•

OPTIONAL EQUIPMENT:

- White tracks
- 230Vac electric pump
- Single rope winch 600kg
- Work lights
- Mechanical extension 0.8 m

PCR12 load chart



Entry-level model for mini cranes,
designed for ease of use and operational
simplicity.

- Lifting capacity of 3Tm up to 9m height and 7m outreach.
- **Pick and carry mode:** Track movement with loads up to 250 kg.
- Variable stabilizer positioning to adapt to difficult conditions.
- **Compact** size to pass through standard doors.
- Motorization available in two versions:
 - **Petrol + 230 Vac electric pump** (optional)
 - **Full-electric** with lithium-ion batteries **48Vdc 110Ah**.

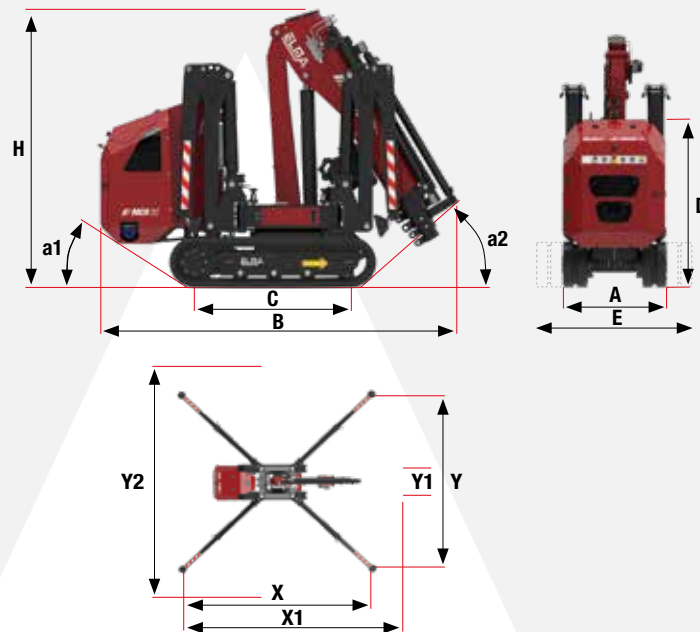
OPTIONAL EQUIPMENT:

- Optional equipment:
- Retractable tracks
- White tracks
- 230Vac electric pump
- Single rope winch 800kg
- Work lights
- Jib system
- Mechanical extension 2 m (1+1)

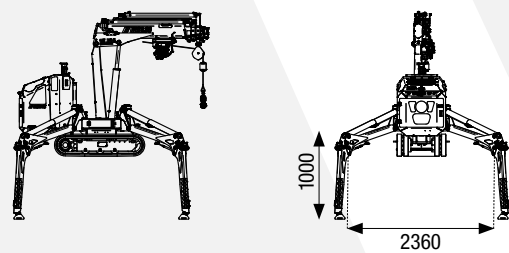


3Tm

Technical data

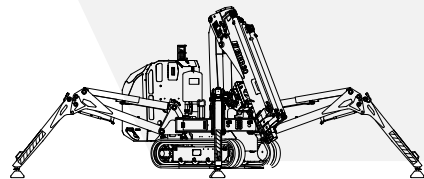


Self-loading dimensions

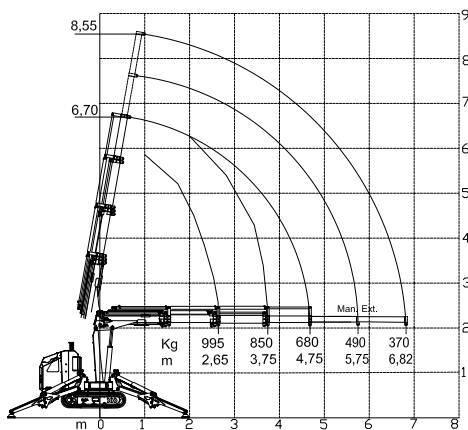


TECHNICAL DATA		STD	E
A	m	0,79	
B	m	2,22	
C	m	1,09	
D	m	1,25	
E	m	0,98	
H	m	1,9	
a1	°	33°	
a2	°	40°	
X	m	max 3,88	min 3,4
Y	m	max 3,88	min 3,4
X1	m	max 4,55	min 4,0
Y1	m	0,62	
Max moment crane		Tm	3,2
Max horizontal outreach		m	4,75
Maximum load capacity		kg	995
Crane boom working angle		°	± 80°
Rotation angle of the crane arm		°	340°
Rotation speed		kNm	3,2
Travel speed		km/h	2,1
Max slope capability		°	25°
Maximum working pressure		bar	190
Max pressure at the distributor		l/min	8
Hydraulic oil tank capacity		l	22
Single line winch (optional)		kg rope	800 Ø7mm - 46m
WEIGHTS		STD	E
Standard machine weight		kg	1520
Winch kit weight		kg	70
Ground pressure on tracks		kg/cm²	0,25
Max load on stabilizer foot		kg	1160
ENGINE OPTIONS		STD	E
Petrol engine		8,7kW/11,7HP @3600 rpm	•
Electric motor 230Vac (optional)		2,2kW/3HP 230Vac/50Hz	•
Electric motor		4,0kW/5,5HP 48Vdc	-
Battery characteristics		51,2Vdc 105Ah Lithium Ion	-

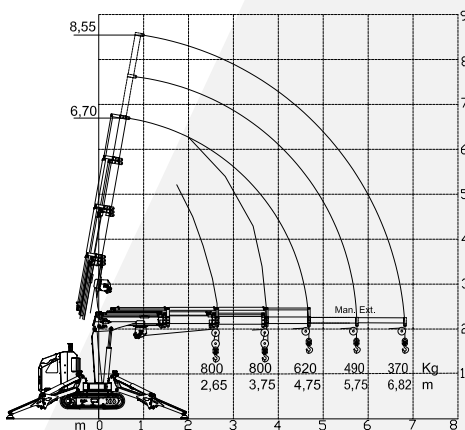
Narrow stab. (detail)



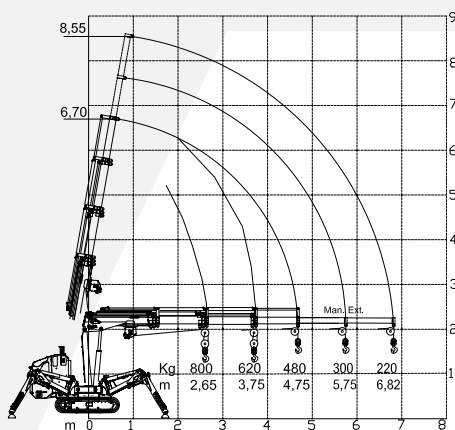
MCR30 load chart



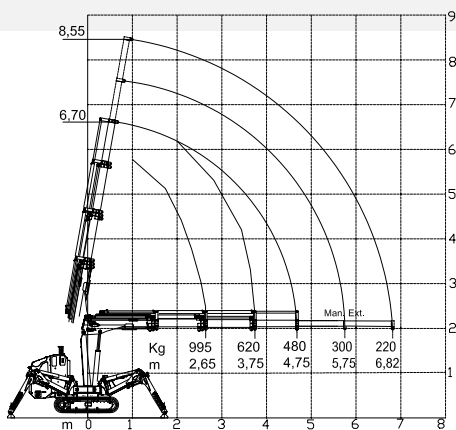
MCR30 + winch 800kg load chart



MCR30 narrow stabilization load chart



MCR30 narrow stabilization + winch 800kg load chart



Advanced version with superior level sensor technology, ideal for operators who demand the highest safety standards.

- Lifting capacity of **3Tm** up to **9m** height and **7m** outreach.
- **Pick and carry mode:** Track movement with loads up to **250 kg**.
- Dual stabilizer positioning to adapt to challenging conditions.
- **Compact** size to fit through standard doors.
- Motorization available in two versions:
 - **Petrol + 230 Vac electric pump** (optional)
 - **Full-electric** with lithium-ion batteries **48Vdc 110Ah**.

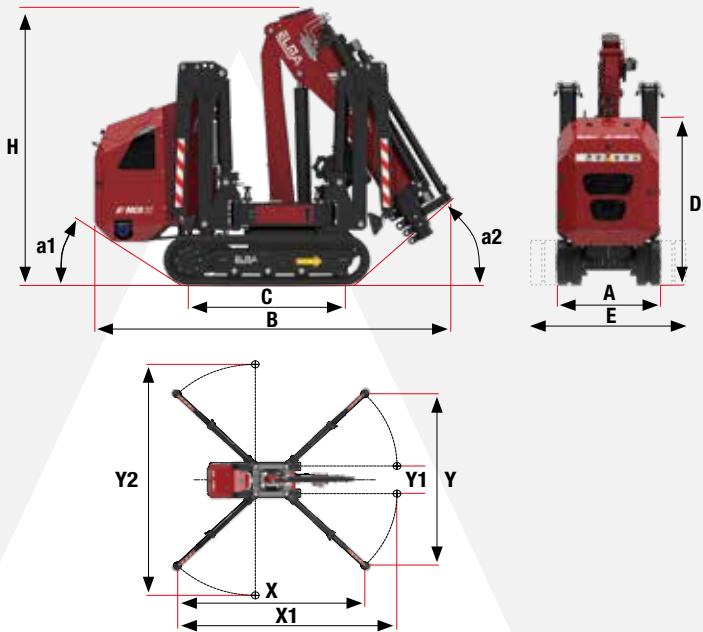
OPTIONAL EQUIPMENT:

- Retractable tracks
- White tracks
- 230Vac electric pump
- Double rope winch 800 kg
- Work lights
- Jib system
- Mechanical extension 2 m (1+1)

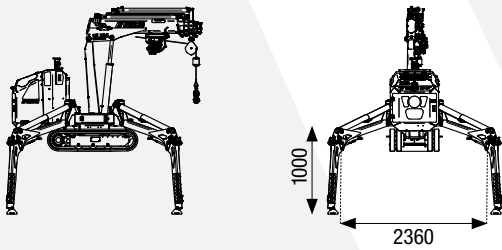


3Tm
PLUS

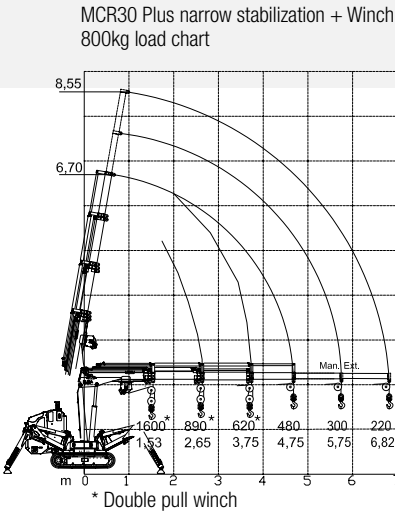
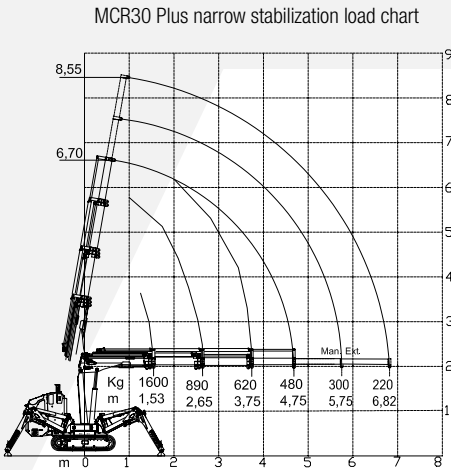
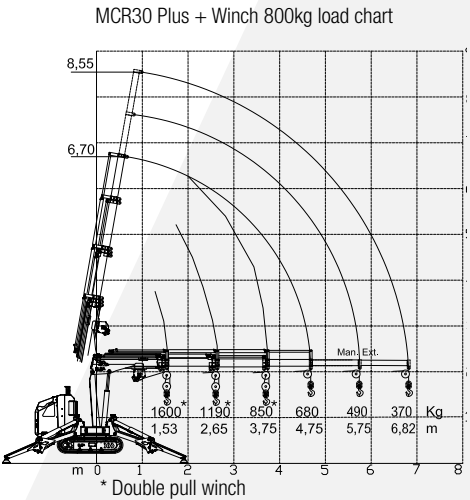
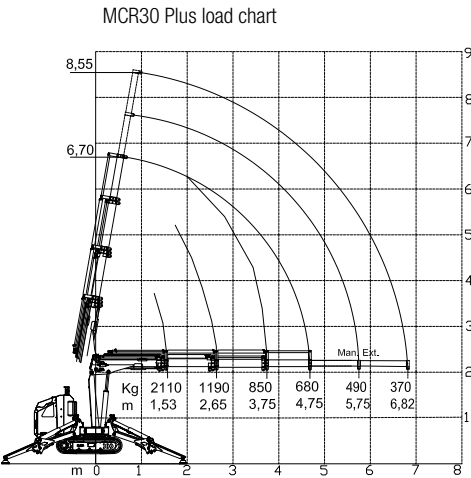
Technical data



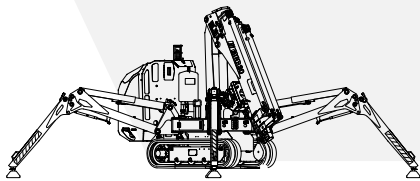
Self-loading dimensions



TECHNICAL DATA		STD	E
A	m	0,79	
B	m	2,22	
C	m	1,09	
D	m	1,25	
E	m	0,98	
H	m	1,9	
a1	°	33°	
a2	°	40°	
X	m	max 3,88	min 3,4
Y	m	max 3,88	min 3,4
X1	m	max 4,55	min 4,0
Y1	m	0,62	
Y2	m	max 5,20	min 4,5
Max moment crane	Tm	3,2	
Max horizontal outreach	m	4,75	
Maximum load capacity	kg	2110	
Crane boom working angle	°	± 80°	
Rotation angle of the crane arm	°	340°	
Rotation speed	kNm	3,2	
Travel speed	km/h	2,1	
Max slope capability	°	25°	
Maximum working pressure	bar	190	
Max pressure at the distributor	l/min	8	
Hydraulic oil tank capacity	l	22	
Single line winch (optional)	kg rope	800	Ø7mm - 46m
WEIGHTS		STD	E
Standard machine weight	kg	1520	1550
Winch kit weight	kg	70	70
Ground pressure on tracks	kg/cm²	0,25	0,26
Max load on stabilizer foot	kg	1160	
ENGINE OPTIONS		STD	E
Petrol engine	8,7kW/11,7HP @3600 rpm	•	-
Electric motor 230Vac (optional)	2,2kW/3HP 230Vac/50Hz	•	-
Electric motor	4,0kW/5,5HP 48Vdc	-	•
Battery characteristics	51,2Vdc 105Ah Lithium Ion	-	•



Narrow stab. (detail)



Tracked mini-crane with variable stabilizer positioning and crane performance of 4Tm

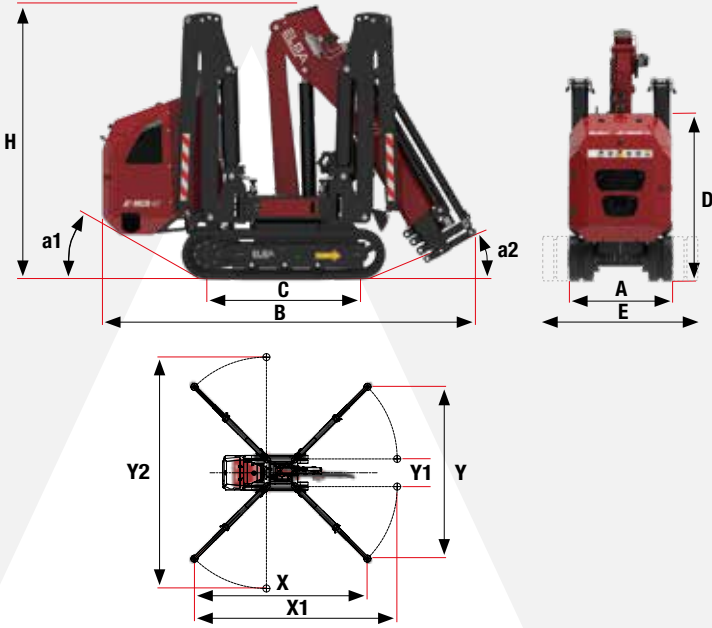
- Lifting capacity of 4Tm up to 9m height and 7m outreach.
- **Pick and carry mode:** Track movement with loads up to 250 kg.
- Double stabilizer positioning to adapt to different working conditions.
- Compatible with accessories such as glass handling system
- **Compact** size to fit through standard doors.
- Motorization available in two versions:
 - **Petrol + 230 Vac electric pump** (optional)
 - **Full-electric** with lithium-ion batteries 48Vdc 110Ah.

OPTIONAL:

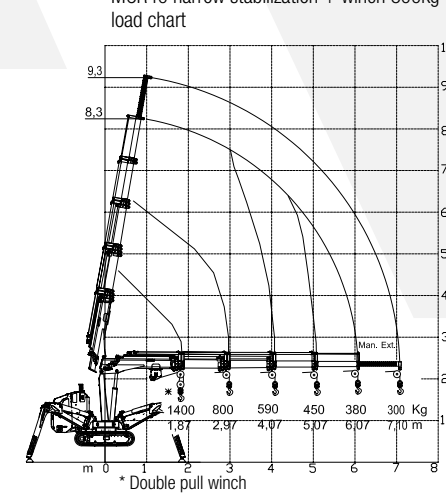
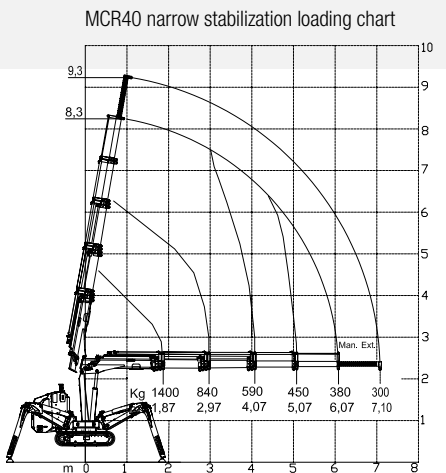
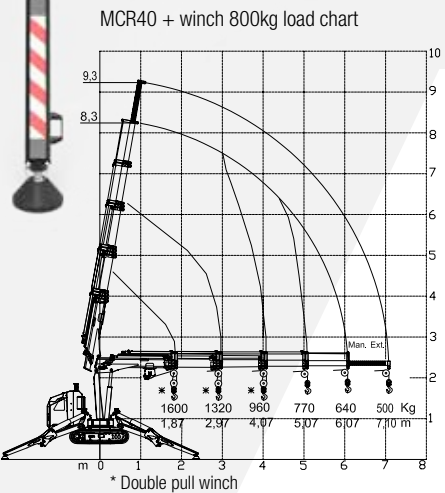
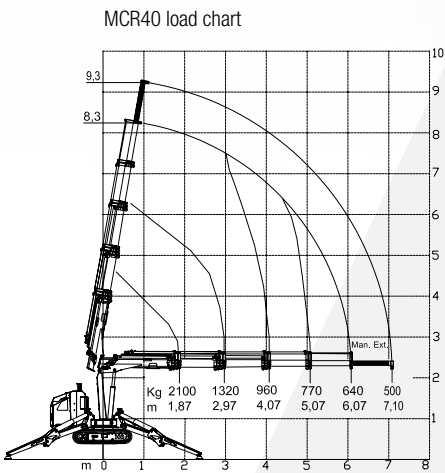
- Retractable tracks
- White tracks
- 230Vac electric pump
- Double rope winch 800 kg
- Work lights
- Electronic rotation angle control kit
- Stabilizer position control kit, 90°
- Glass handling system
- Mechanical extension 1 m



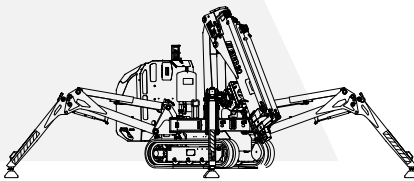
Technical data



TECHNICAL DATA		STD	E
A	m	0,79	
B	m	2,54	
C	m	1,09	
D	m	1,25	
E	m	0,98	
H	m	1,93	
a1	°	25°	
a2	°	-	
X	m	max 4,70	min 3,7
Y	m	max 4,66	min 3,7
X1	m	max 5,55	min 4,4
Y1	m	0,62	
Y2	m	max 6,30	min 5,0
Max moment crane	Tm	4,0	
Max horizontal outreach	m	6,1	
Maximum load capacity	kg	2100	
Crane boom working angle	°	± 80	
Rotation angle of the crane arm	°	340°	
Rotation speed	kNm	3,2	
Travel speed	km/h	2,1	
Max slope capability	°	25°	
Maximum working pressure	bar	200	
Max pressure at the distributor	l/min	8	
Hydraulic oil tank capacity	l	22	
Single line winch (optional)	kg rope	800 Ø7mm - 46m	
WEIGHTS		STD	E
Standard machine weight	kg	1650	1680
Winch kit weight	kg	70	70
Ground pressure on tracks	kg/cm²	0,37	0,38
Max load on stabilizer foot	kg	1700	
ENGINE OPTIONS		STD	E
Petrol engine	8,7kW/11,7HP @3600 rpm	•	-
Electric motor 230Vac (optional)	2,2kW/3HP 230Vac/50Hz	•	-
Electric motor	4,0kW/5,5HP 48Vdc	-	•
Battery characteristics	51,2Vdc 105Ah Lithium Ion	-	•



Narrow stab. (detail)



MCX90 / MINI CRANES SERIES

Medium-high performance machine,
with a weight under 3T, ideal for trailer
transport up to 3.5T.

- Working height up to 18m and lifting capacity up to 9Tm.
- Crane equipped with advanced sensors for constant load monitoring.
- **Pick and carry mode:** movement with loads up to 400 kg.
- Dual articulation with jib, foldable within the machine structure.
- **Compact** design: passes through standard doors.
- Motorization available in two versions:
 - diesel Kubota + 230 Vac electro-pump (optional)
 - lithium-ion or manganese batteries with a **modular system** from 120 to 240 Ah at 48Vdc.
- Remote control and integrated color diagnostic display.
- Compatible with accessories such as glass handling systems.

OPTIONAL EQUIPMENT:

- Retractable tracks
- White tracks
- 230Vac electric pump
- 2-stage hydraulic jib
- Winch for direct pull 1.5T
- Double pull winch kit
- Quadruple pull winch kit
- Glass-handling system
- **Modular** battery pack from 120 to 240 Ah at 48Vdc



Boom with winch (detail)

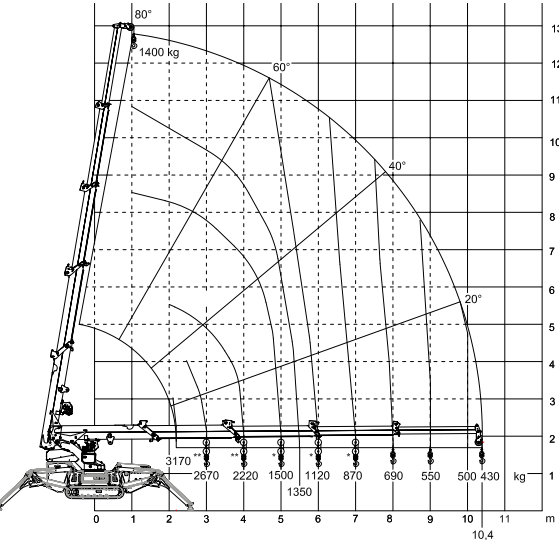
9Tm

Boom without winch (detail)



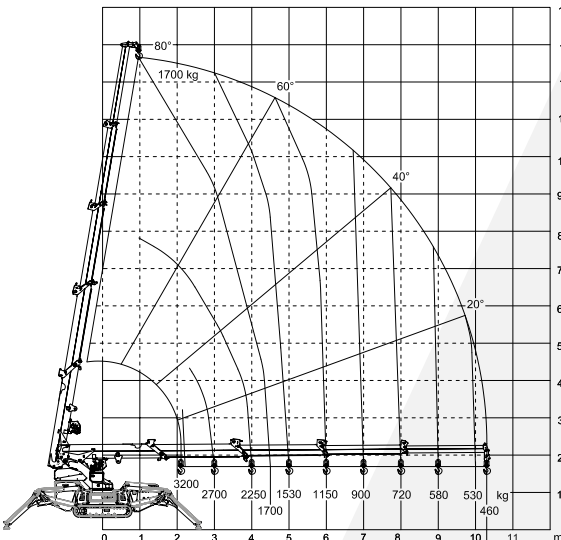
ELDA

MCX90 + winch load chart

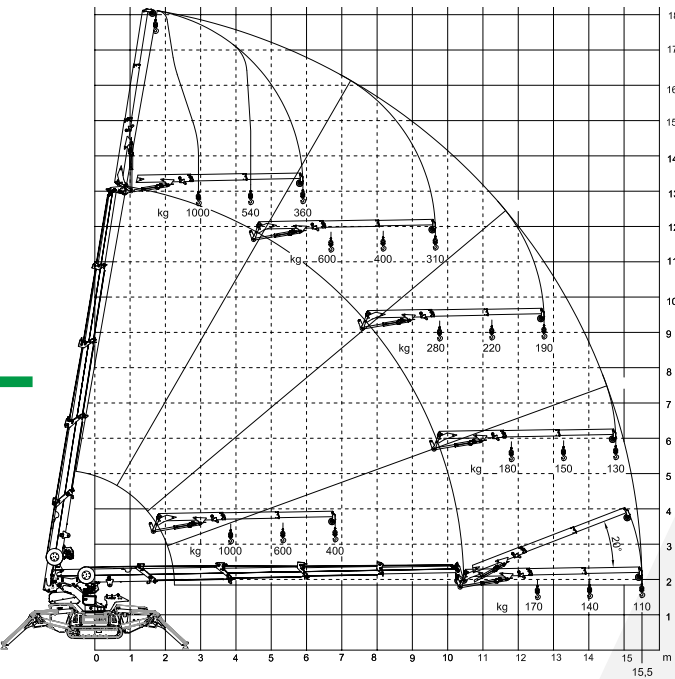


* Double pull winch
** Quadruple pull winch

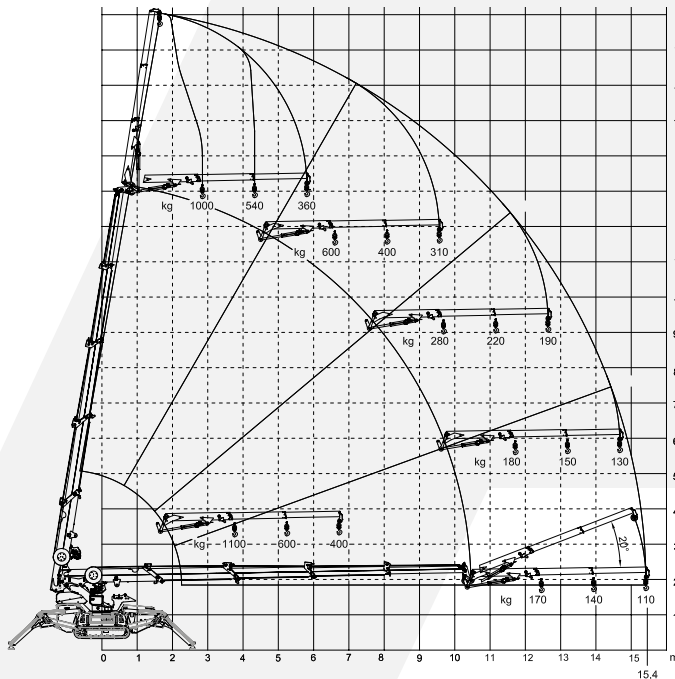
MCX90 + hook load chart



MCX90 + jib + hook load chart



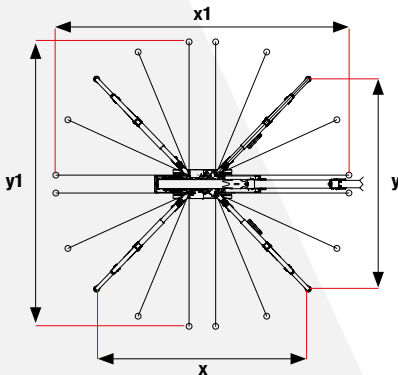
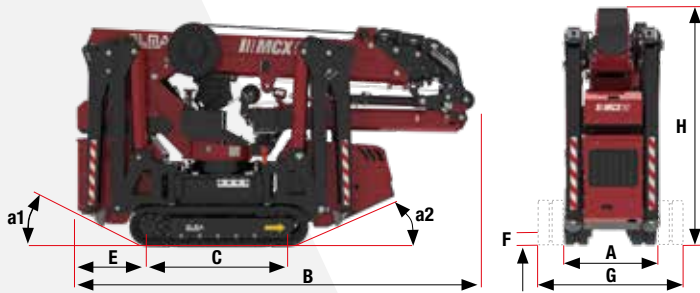
MCX90 + jib + winch load chart



Technical data

TECHNICAL DATA		STD	E
A	m	0,79	
B	m	3,45	
B JIB	m	3,65	
C	m	1,24	
D	m	1,00	
D JIB	m	1,30	
E	m	0,51	
F	m	0,14	
G	m	0,98	
H	m	1,90	
H JIB	m	1,96	
a1	°	25°	
a2	°	25°	
X	m	max 5,0	min 4,5
Y	m	max 5,0	min 4,5
X1	m	max 7,0	min 6,0
Y1	m	max 6,8	min 5,8
Max moment crane	Tm	9,0	
Max horizontal outreach	m	10,3	
Maximum load capacity	kg	3200	
Crane boom working angle	°	- 5 + 80°	
Rotation angle of the crane arm	°	endless	
Rotation speed	kNm	15,6	
Max travel speed	km/h	2,1	
Max slope capability	°	25°	
Maximum working pressure	bar	240	
Max pressure at the distributor	l/min	40	
Hydraulic oil tank capacity	l	60	
Single line winch (optional)	kg rope	1500 (first layer) Ø 8 - 65 m	

WEIGHTS		STD	E
Standard machine weight	kg	2850	
Jib weight	kg	250	
1.5T winch kit weight	kg	70	
Double pull winch weight	kg	30	
Quadruple pull winch weight	kg	50	
Max ground pressure of the tracks	kg/cm²	0,58	
Max load on stabilizer foot	kg	3150	
ENGINE OPTIONS		STD	E
Kubota D902 diesel engine	16,1kW/22HP @3600 rpm	•	-
Electric Motor 230Vac (optional)	2,2kW/3HP 230Vac/50Hz	•	-
Electric motor traction	8kW/11HP 48Vdc	-	•
Battery characteristics	48Vdc 240Ah Lithium Ion	-	•



MCX110 / MINI CRANES SERIES

Evolution of the MCX90 model, with a larger counterweight but restrained weight (3T).

Medium-high performance machine, ideal for transport on a 3.5T trailer.

- Lifting capacity up to 11Tm.
- Maximum outreach of the crane: 10m.
- Crane movement up to 4T.
- Articulated stabilizers with telescopic extensions.
- **"Pick and carry" mode:** translation with load up to 450 kg.
- **Compact** size to pass through domestic doors.
- Available motorization:
 - Diesel Kubota + electric pump 230 Vac (option)
 - Battery-powered 48Vdc 240Ah (option).
- Integrated diagnostic and control display.
- Compatible with accessories such as glass handling systems.



Boom with winch (detail)

11Tm

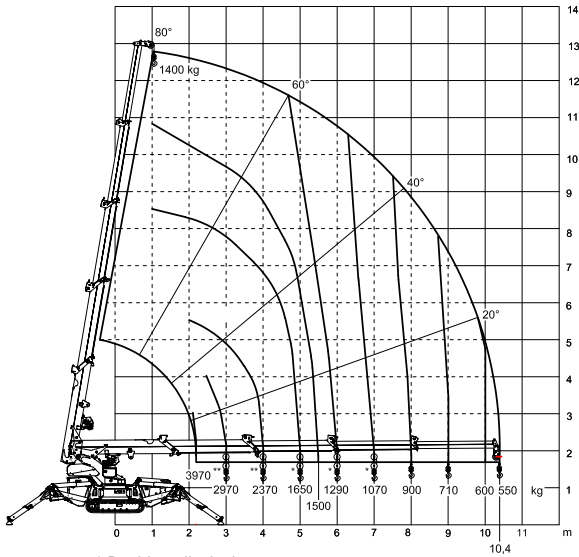
OPTIONAL EQUIPMENT:

- Extendable tracks
- White rubber tracks
- 230Vac electric pump
- Jib with 2 hydraulic extensions
- 1.5T direct pull winch
- Double pull winch kit
- Quadruple pull winch kit
- Glass-handling system
- 48Vdc 240Ah Lithium Ion battery (E Version)

Boom without winch (detail)

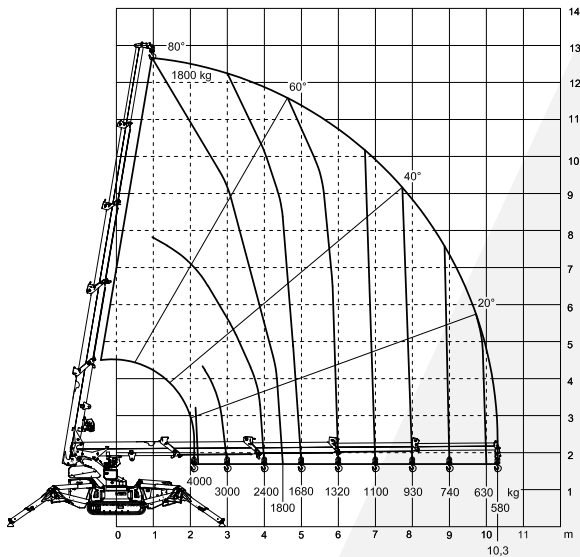


MCX110 + winch load chart

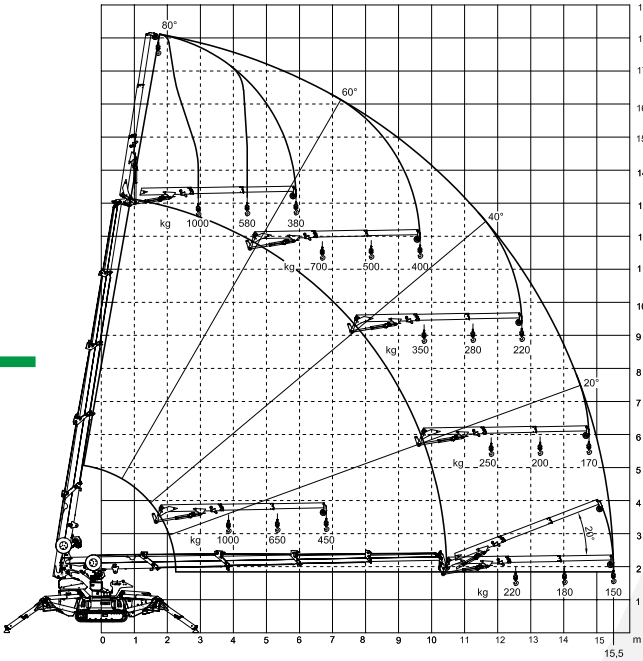


* Double pull winch
** Quadruple pull winch

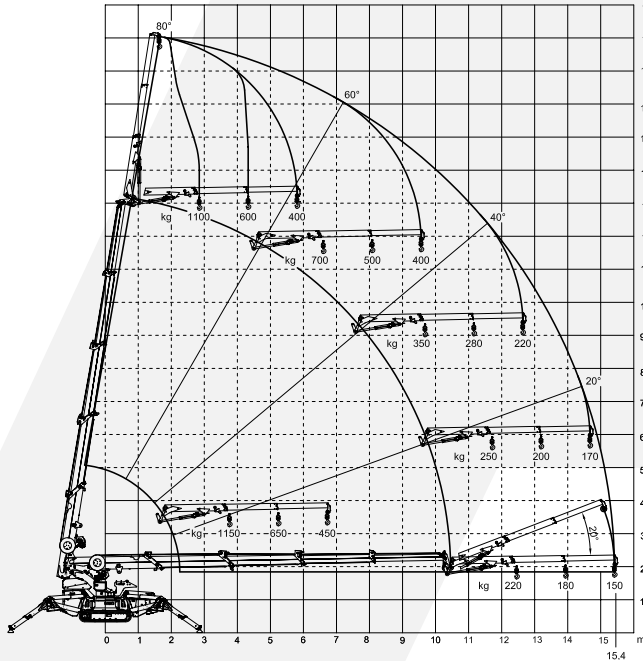
MCX110 + hook load chart



MCX110 + jib + hook load chart



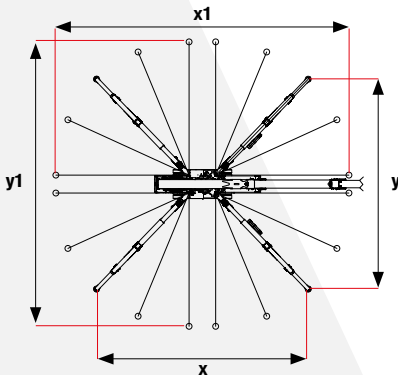
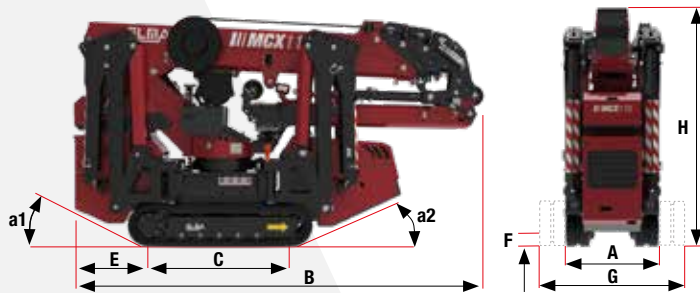
MCX110 + jib + winch load chart



Technical data

TECHNICAL DATA		STD	E
A	m	0,79	
B	m	3,45	
B JIB	m	3,65	
C	m	1,24	
D	m	1,00	
D JIB	m	1,30	
E	m	0,51	
F	m	0,14	
G	m	0,98	
H	m	1,90	
H JIB	m	1,96	
a1	°	25°	
a2	°	25°	
X	m	max 5,7	min 4,4
Y	m	max 5,6	min 4,3
X1	m	max 7,8	min 5,9
Y1	m	max 7,6	min 5,7
Max moment crane	Tm	11,0	
Max horizontal outreach	m	10,3	
Maximum load capacity	kg	4000	
Crane boom working angle	°	- 5 + 80°	
Rotation angle of the crane arm	°	endless	
Rotation speed	kNm	15,6	
Max travel speed	km/h	2,1	
Max slope capability	°	25°	
Maximum working pressure	bar	260	
Max pressure at the distributor	l/min	40	
Hydraulic oil tank capacity	l	60	
Single line winch (optional)	kg rope	1500 (first layer) Ø 8 - 65 m	

WEIGHTS		STD	E
Standard machine weight	kg	2980	
Two-extension jib weight	kg	250	
1.5T winch kit weight	kg	70	
Double pull winch weight	kg	30	
Quadruple pull winch weight	kg	50	
Max ground pressure of the tracks	kg/cm ²	0,66	
Max load on stabilizer foot	kg	3100	
ALIMENTAZIONE		STD	E
Kubota D902 diesel engine	16,1kW/22HP @3600 rpm	•	-
Electric motor 230Vac (optional)	2,2kW/3HP 230Vac/50Hz	•	-
Electric motor traction	8kW/11HP 48Vdc	-	•
Battery characteristics	48Vdc 240Ah Lithium Ion	-	•



ELMA Products: Your Best Guarantee

Telematic Service 4.0

Remote diagnostics available.

These products are equipped with devices for diagnostics and management of data coming from the on-board electronic control unit.



Guaranteed silence ensured by petrol engines according to the latest regulations or the FULL Electric version for a complete reduction of acoustic emissions.



The entire range is available in the **FULL-RADIO** version, designed to make use more efficient and secure. The same radio control manages crane, winch, accessories, traction, and, when present, stabilization.



Legenda:

	Working height		STD = Diesel combustion engine + AC electric motor
	Max working outreach		E = Diesel combustion engine + DC electric motor
	Minimum passage width		E = AC electric motor
	Weight		D = Diesel combustion engine
	Max. load weight		Transport on trailer



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