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JARCRAC

**SMALL FOREST MACHINE
FOR DEMANDING
FORESTRY**



JARORAC

DESIGNED ON THE
FOREST'S TERMS





THE JARCRAC STORY began in 1998 from a passion for welding and product development. Over the years, this work has grown into a full range of machines designed for professionals, built for year-round use in demanding conditions – always with respect for the forest and the soil.

TODAY, JARCRAC IS KNOWN for its agile and efficient forest machines, manufactured at our own factory in Ranua, Finland. The range includes forwarders, harvesters, and combi machines, available either with eight wheels or tracks. These machines are specifically designed for thinning operations and soft terrain, where precision, low weight, and minimal ground impact are essential.

THE CORE PRINCIPLES behind Jarcrac machines are simplicity, reliability, and ease of use. The structures are clear and practical, serviceability is designed with real-world needs in mind, and every component is sourced from well-known manufacturers with strong and reliable support networks. This ensures that our machines not only meet today's demands but continue to serve their users dependably well into the future.





THINNING WITH JARCRAC FOREST MACHINES

Thinning is an investment in the future of the forest. Lightweight and precise equipment enables high-quality and profitable thinning while minimizing damage to the trees and the soil.

The compact Jarcrac forest machines are specifically designed for the management of young forests and more sensitive sites. They allow thinning to be carried out accurately and efficiently, removing only the necessary trees while leaving the best individuals to grow and increase the forest's value.



This approach to forest management offers several benefits:

- Better timber quality and value – thinning can be done selectively, leaving the trees with the highest potential to mature and increase in value.
- Healthier forest – soil and root systems remain in good condition.
- More profitable thinning – Jarcrac forest machines offer lower maintenance and transport costs while still delivering excellent productivity. This saves both time and costs and helps ensure the best possible work quality.
- Environmental benefits – the forest's carbon binding capacity is better preserved, and forests remain diverse and durable.

By choosing Jarcrac forest machines for thinning, you can ensure that the forest develops into a healthy and valuable asset for the long term, while the work is carried out efficiently and cost-effectively.



FORWARDERS

Jarcrac offers two carefully engineered forwarders, developed for sustainable and efficient forestry operations. Both models are designed to perform in demanding terrain and are built for year-round use. Despite their compact size, both forwarders deliver excellent stability and power, making them an ideal choice for thinning operations as well as handling heavier loads.

Both machines come as standard with the reliable Palms 4.71 crane and high-quality Parker control hydraulics.

Jarcrac Magnapro

8-wheeled version – 6,000 kg load capacity



Magnapro is the ideal choice for operators who value the versatility of an eight-wheel platform and its low-impact mobility across a variety of terrains.





DIMENSIONS AND WEIGHT

LENGTH: 790 cm / 710 cm (with load space extension folded in)

WIDTH: 225 cm

HEIGHT: 302 cm

GROUND CLEARANCE: 56 cm

WEIGHT: approx. 6,500 kg

LOAD SPACE

LOAD SPACE LENGTH:

- 360 cm, including a foldable 80 cm extension
- 3 pairs of stakes
- Optional: 425 cm load space with 4 pairs of stakes

LOAD CAPACITY: 6,000 kg

FRONT GRID SURFACE AREA: 2.2 m²

CHASSIS AND BOGIES

BOGIE SYSTEM: Swinging bogies

TIRES: 8 × 500/50-17

FRAME LOCK: With 2 cylinders, activates automatically

STEERING: Articulated steering with 2 cylinders

STEERING ANGLE: ± 45°

DRIVE LOCK: Drive lock as standard

ADDITIONALLY: Toolbox in the front of the machine

CABIN

FEATURES:

- ROPS, OPS & FOPS certified
- Cabin supported with 4 rubber cushions
- Heat and sound insulation

SEAT: Grammer, ergonomic operator seat with air suspension

WINDOWS: Margard safety glass

AIR CONDITIONING: Automatic air conditioning with a digital screen

ADDITIONALLY: Cabin is tippable, used with a manual hand pump



ELECTRIC SYSTEM

VOLTAGE: 12 V

ALTERNATOR: 120 A

BATTERY: 95 Ah

CONTROL SYSTEM: Parker IQAN, operated via touch screen

MACHINE AND CRANE CONTROL:

- Driving via pedals, steering via joystick
- Parker IQAN LC6 joysticks for crane control

ENGINE

ENGINE: Perkins 2.8 L turbocharged industrial engine

POWER: 55 kW & 300 Nm

FUEL TANK: 70 L

RPM ADJUSTMENT:

- Automatic working RPM control
- Also, manual adjustment possible via potentiometer

TRANSMISSION AND HYDRAULICS

DRIVE SPEED (2 RANGES):

0–5 km/h and 0–10 km/h

DRIVE PUMPS: 2 × Bondioli & Pavesi

DRIVE MOTORS: 8 × Poclairn

BRAKES: Hydraulic closed-circuit functions as a driving brake, every drive motor also has a parking/safety brake

WORK PUMP: 1 × Rexroth LS pump with torque control

VALVE BLOCK: Parker L90

OIL COOLER: Electric

CRANE

MODEL: Palms 4.71

REACH: 7.1 m

LIFT CAPACITY: 580 kg when fully extended

SLEWING TORQUE: 15 kNm

LIFTING TORQUE (GROSS): 57 kNm

ADDITIONALLY: available Palms 5.75 (660 kg @ 7.5 m) and Palms 5.85 (560 kg @ 8.5 m)



Jarcrac Evopro

Tracked version – 5,000 kg load capacity



With its tracked undercarriage, Evopro offers exceptionally low ground pressure, minimizing terrain impact and improving mobility in soft and wet conditions.





DIMENSIONS AND WEIGHT

LENGTH: 790 cm / 710 cm (with load space extension folded in)

WIDTH: 215 cm

HEIGHT: 295 cm

GROUND CLEARANCE: 56 cm

WEIGHT: approx. 6,500 kg

LOAD SPACE

LOAD SPACE LENGTH:

- 360 cm, including a foldable 80 cm extension
- 3 pairs of stakes
- Optional: 425 cm load space with 4 pairs of stakes

LOAD CAPACITY: 5,000 kg

FRONT GRID SURFACE AREA: 1.8 m²

CHASSIS AND BOGIES

BOGIE SYSTEM: Swinging bogies

TRACK WIDTH: 55 cm

TRACK STRUCTURE: Rubber/fabric -mixture, steel shoes

FRAME LOCK: With 2 cylinders, activates automatically

STEERING: Articulated steering with 2 cylinders

STEERING ANGLE: ± 45°

DRIVE LOCK: Track drive lock as standard

ADDITIONALLY: Toolbox in the front of the machine

CABIN

FEATURES:

- ROPS, OPS & FOPS certified
- Cabin supported with 4 rubber cushions
- Heat and sound insulation

SEAT: Grammer, ergonomic operator seat with air suspension

WINDOWS: Margard safety glass

AIR CONDITIONING: Automatic air conditioning with a digital screen

ADDITIONALLY: Cabin is tippable, used with a manual hand pump



ELECTRIC SYSTEM

VOLTAGE: 12 V

ALTERNATOR: 120 A

BATTERY: 95 Ah

CONTROL SYSTEM: Parker IQAN, operated via touch screen

MACHINE AND CRANE CONTROL:

- Driving via pedals, steering via joystick
- Parker IQAN LC6 joysticks for crane control

ENGINE

ENGINE: Perkins 2.8 L turbocharged industrial engine

POWER: 55 kW & 300 Nm

FUEL TANK: 70 L

RPM ADJUSTMENT:

- Automatic working RPM control
- Also, manual adjustment possible via potentiometer

TRANSMISSION AND HYDRAULICS

DRIVE SPEED (2 RANGES):

0–5 km/h and 0–10 km/h

DRIVE PUMPS: 2 × Bondioli & Pavesi

DRIVE MOTORS: 4 × Poclairn

BRAKES: Hydraulic closed-circuit functions as a driving brake, every drive motor also has a parking/safety brake

WORK PUMP: 1 × Rexroth LS pump with torque control

VALVE BLOCK: Parker L90

OIL COOLER: Electric

CRANE

MODEL: Palms 4.71

REACH: 7.1 m

LIFT CAPACITY: 580 kg when fully extended

SLEWING TORQUE: 15 kNm

LIFTING TORQUE (GROSS): 57 kNm

ADDITIONALLY: available Palms 5.75 (660 kg @ 7.5 m)



HARVESTERS

Jarcrac harvesters are ideal for first and second thinnings. Both machines combine agility, light self-weight, and exceptionally low ground pressure, enabling year-round operation on all terrain types.

The structure of Jarcrac harvesters, combined with carefully selected components, creates a reliable work machine with excellent operator comfort and ease of use.

The harvesters are equipped with a Mowi parallel crane and $\pm 20^\circ$ crane tilt, providing flexible operation in steep and confined forest environments. Several harvester head options are available to meet different user requirements, with a maximum tree felling diameter of up to 45 cm.

Jarcrac Magnapro Eco

8-wheeled version





DIMENSIONS AND WEIGHT

LENGTH: 680 cm

WIDTH: 225 cm

HEIGHT: 302 cm

GROUND CLEARANCE: 56 cm

WEIGHT: approx. 7,000 kg

CHASSIS AND BOGIES

BOGIE SYSTEM: Swinging bogies

TIRES: 8 × 500/50-17

FRAME LOCK: With 2 cylinders, activates automatically

STEERING: Articulated steering with 2 cylinders

STEERING ANGLE: ± 45°

DRIVE LOCK: Drive lock as standard

ADDITIONALLY: Toolbox in the front of the machine

CABIN

FEATURES:

- ROPS, OPS & FOPS certified
- Cabin supported with 4 rubber cushions
- Heat and sound insulation

SEAT: Grammer, ergonomic operator seat with air suspension

WINDOWS: Margard safety glass

AIR CONDITIONING: Automatic air conditioning with a digital screen

ADDITIONALLY: Cabin is tippable, used with a manual hand pump

ELECTRIC SYSTEM**VOLTAGE:** 12 V**ALTERNATOR:** 120 A**BATTERY:** 95 Ah**CONTROL SYSTEM:** Parker IQAN, operated via touch screen**MACHINE AND CRANE CONTROL:**

- Driving via pedals, steering via joystick
- 0/10 joysticks (7 buttons per joystick) for crane and harvester head control
- Two 4-way buttons on arm rests, programmable for operator

ENGINE**ENGINE:** Perkins 2.8 L turbocharged industrial engine**POWER:** 55 kW & 300 Nm**FUEL TANK:** 70 L**RPM ADJUSTMENT:**

- Automatic working RPM control
- Also, manual adjustment possible via potentiometer

TRANSMISSION AND HYDRAULICS**DRIVE SPEED (2 RANGES):**

0–5 km/h and 0–10 km/h

DRIVE PUMPS: 2 × Bondioli & Pavesi**DRIVE MOTORS:** 8 × Poclain**BRAKES:** Hydraulic closed-circuit functions as a driving brake, every drive motor also has a parking/safety brake**WORK PUMP:** 1 × Rexroth LS pump with torque control**VALVE BLOCK:** Parker L90**OIL COOLER:** Electric

CRANE**MODEL:** Mowi P61T low pilar harvester crane**REACH:** 7.5 m**SLEWING TORQUE:** 15 kNm**LIFTING TORQUE (GROSS):** 52 kNm**CRANE TILT:** ± 20°**ADDITIONALLY:** available Mowi P50 with a 6.5 m reach



Jarcrac Evopro Eco

Tracked version





DIMENSIONS AND WEIGHT

LENGTH: 680 cm

WIDTH: 225 cm

HEIGHT: 295 cm

GROUND CLEARANCE: 56 cm

WEIGHT: approx. 7,000 kg

CHASSIS AND BOGIES

BOGIE SYSTEM: Swinging bogies

TRACK WIDTH: 55 cm

TRACK STRUCTURE: Rubber/fabric -mixture, steel shoes

FRAME LOCK: With 2 cylinders, activates automatically

STEERING: Articulated steering with 2 cylinders

STEERING ANGLE: $\pm 45^\circ$

DRIVE LOCK: Track drive lock as standard

ADDITIONALLY: Toolbox in the front of the machine

CABIN

FEATURES:

- ROPS, OPS & FOPS certified
- Cabin supported with 4 rubber cushions
- Heat and sound insulation

SEAT: Grammer, ergonomic operator seat with air suspension

WINDOWS: Margard safety glass

AIR CONDITIONING: Automatic air conditioning with a digital screen

ADDITIONALLY: Cabin is tippable, used with a manual hand pump

ELECTRIC SYSTEM

VOLTAGE: 12 V

ALTERNATOR: 120 A

BATTERY: 95 Ah

CONTROL SYSTEM: Parker IQAN, operated via touch screen

MACHINE AND CRANE CONTROL:

- Driving via pedals, steering via joystick
- OTTO joysticks (7 buttons per joystick) for crane and harvester head control
- Two 4-way buttons on arm rests, programmable for operator

ENGINE

ENGINE: Perkins 2.8 L turbocharged industrial engine

POWER: 55 kW & 300 Nm

FUEL TANK: 70 L

RPM ADJUSTMENT:

- Automatic working RPM control
- Also, manual adjustment possible via potentiometer

TRANSMISSION AND HYDRAULICS**DRIVE SPEED (2 RANGES):**

0–5 km/h and 0–10 km/h

DRIVE PUMPS: 2 × Bondioli & Pavesi

DRIVE MOTORS: 4 × Poclain

BRAKES: Hydraulic closed-circuit functions as a driving brake, every drive motor also has a parking/safety brake

WORK PUMP: 1 × Rexroth LS pump with torque control

VALVE BLOCK: Parker L90

OIL COOLER: Electric

CRANE

MODEL: Mowi P50 low pillar harvester crane

REACH: 6.5 m

SLEWING TORQUE: 15 kNm

LIFTING TORQUE (GROSS): 45 kNm

CRANE TILT: ± 20°

ADDITIONALLY: available Mowi P50T with a 7.5 m reach

Harvester head options on page 30.



DUAL MACHINES

Jarcrac combi machines are designed for professionals who want to handle both harvesting and forwarding with one machine – without compromising performance. Both models combine exceptionally low ground pressure, robust construction, and versatile equipment options, making them ideal work machines for year-round forest operations.

Converting the machine from a forwarder to a harvester, and vice versa, takes only 30 minutes.

Enabling two uses with one machine reduces tied-up capital and lowers fleet maintenance and transportation costs, making the machine a highly cost-effective choice for professionals who value versatility and reliability.

Jarcrac Magnapro Dual

8-wheeled version





DIMENSIONS AND WEIGHT

LENGTH: 790 cm / 710 cm
(with load space extension folded in)
WIDTH: 225 cm

HEIGHT: 302 cm
GROUND CLEARANCE: 56 cm
WEIGHT: approx. 6,500 kg

LOAD SPACE

LOAD SPACE LENGTH:

- 360 cm, including a foldable 80 cm extension
- 3 pairs of stakes
- Optional: 425 cm load space with 4 pairs of stakes

FRONT GRID SURFACE AREA: 2.2 m²
LOAD CAPACITY: 6,000 kg

CHASSIS AND BOGIES

BOGIE SYSTEM: Swinging bogies
TIRES: 8 × 500/50-17
FRAME LOCK: With 2 cylinders, activates automatically

STEERING: Articulated steering with 2 cylinders
STEERING ANGLE: ± 45°
DRIVE LOCK: Drive lock as standard
ADDITIONALLY: Toolbox in the front of the machine

CABIN

FEATURES:

- ROPS, OPS & FOPS certified
- Cabin supported with 4 rubber cushions
- Heat and sound insulation

SEAT: Grammer, ergonomic operator seat with air suspension

WINDOWS: Margard safety glass
AIR CONDITIONING: Automatic air conditioning with a digital screen
ADDITIONALLY: Cabin is tippable, used with a manual hand pump

ELECTRIC SYSTEM**VOLTAGE:** 12 V**ALTERNATOR:** 120 A**BATTERY:** 95 Ah**CONTROL SYSTEM:** Parker IQAN, operated via touch screen**MACHINE AND CRANE CONTROL:**

- Driving via pedals, steering via joystick
- 0770 joysticks (7 buttons per joystick) for crane and harvester head control
- Two 4-way buttons on arm rests, programmable for operator

ENGINE**ENGINE:** Perkins 2.8 L turbocharged industrial engine**POWER:** 55 kW & 300 Nm**FUEL TANK:** 70 L**RPM ADJUSTMENT:**

- Automatic working RPM control
- Also, manual adjustment possible via potentiometer

TRANSMISSION AND HYDRAULICS**DRIVE SPEED (2 RANGES):**

0–5 km/h and 0–10 km/h

DRIVE PUMPS: 2 × Bondioli & Pavesi**DRIVE MOTORS:** 8 × Poclain**BRAKES:** Hydraulic closed-circuit functions as a driving brake, every drive motor also has a parking/safety brake**WORK PUMP:** 1 × Rexroth LS pump with torque control**VALVE BLOCK:** Parker L90**OIL COOLER:** Electric

CRANE**MODEL:** Palms 4.71**REACH:** 6.5 m**LIFT CAPACITY:** 580 kg when fully extended**SLEWING TORQUE:** 15 kNm**LIFTING TORQUE (GROSS):** 57 kNm**ADDITIONALLY:** available Palms 5.75 (660 kg @ 6.5 m)

Harvester head options on page 30.



Jarcrac Evopro Dual

Tracked version





DIMENSIONS AND WEIGHT

LENGTH: 790 cm / 710 cm (with load space extension folded in)

WIDTH: 215 cm

HEIGHT: 295 cm

GROUND CLEARANCE: 56 cm

WEIGHT: approx. 6,500 kg

LOAD SPACE

LOAD SPACE LENGTH:

- 360 cm, including a foldable 80 cm extension
- 3 pairs of stakes
- Optional: 425 cm load space with 4 pairs of stakes

FRONT GRID SURFACE AREA: 1.8 m²

LOAD CAPACITY: 5,000 kg

CHASSIS AND BOGIES

BOGIE SYSTEM: Swinging bogies

TRACK WIDTH: 55 cm

TRACK STRUCTURE: Rubber/fabric -mixture, steel shoes

FRAME LOCK: With 2 cylinders, activates automatically

STEERING: Articulated steering with 2 cylinders

STEERING ANGLE: ± 45°

DRIVE LOCK: Track drive lock as standard

ADDITIONALLY: Toolbox in the front of the machine

CABIN

FEATURES:

- ROPS, OPS & FOPS certified
- Cabin supported with 4 rubber cushions
- Heat and sound insulation

SEAT: Grammer, ergonomic operator seat with air suspension

WINDOWS: Margard safety glass

AIR CONDITIONING: Automatic air conditioning with a digital screen

ADDITIONALLY: Cabin is tippable, used with a manual hand pump

ELECTRIC SYSTEM**VOLTAGE:** 12 V**ALTERNATOR:** 120 A**BATTERY:** 95 Ah**CONTROL SYSTEM:** Parker IQAN, operated via touch screen**MACHINE AND CRANE CONTROL:**

- Driving via pedals, steering via joystick
- 070 joysticks (7 buttons per joystick) for crane and harvester head control
- Two 4-way buttons on arm rests, programmable for operator

ENGINE**ENGINE:** Perkins 2.8 L turbocharged industrial engine**POWER:** 55 kW & 300 Nm**FUEL TANK:** 70 L**RPM ADJUSTMENT:**

- Automatic working RPM control
- Also, manual adjustment possible via potentiometer

TRANSMISSION AND HYDRAULICS**DRIVE SPEED (2 RANGES):**

0–5 km/h and 0–10 km/h

DRIVE PUMPS: 2 × Bondioli & Pavesi**DRIVE MOTORS:** 4 × Poclain**BRAKES:** Hydraulic closed-circuit functions as a driving brake, every drive motor also has a parking/safety brake**WORK PUMP:** 1 × Rexroth LS pump with torque control**VALVE BLOCK:** Parker L90**OIL COOLER:** Electric

CRANE**MODEL:** Palms 4.71**REACH:** 6.5 m**LIFT CAPACITY:** 580 kg when fully extended**SLEWING TORQUE:** 15 kNm**LIFTING TORQUE (GROSS):** 57 kNm**ADDITIONALLY:** available Palms 5.75 (660 kg @ 6.5 m)

Harvester head options on page 30.

Harvester heads and measuring systems available for harvesters and Dual machines



KESLA 16RH



FELLING DIAMETER: 450 mm



DELIMITING DIAMETER: 330 mm

- Saw control, proportional pressure adjustments, separate chain oil reservoir.

MEASUREMENT SYSTEM OPTIONS:

- KESLA proLOG with priority bucking
- Technion xLogger + Tablet PC with value bucking and GPS

OPTIONAL ACCESSORIES:

ProAx guillotine blade, MenSe feed rollers, two-color marking, automatic chain tensioner, stump treatment, and measuring calipers.

LOG MAX 2000T



FELLING DIAMETER: 410 mm



DELIMITING DIAMETER: 320 mm

- Saw control, separate chain oil reservoir.
- Equipped with Log Mate 510 measurement system and priority bucking. Also available with value bucking and GPS.

OPTIONAL ACCESSORIES:

Snow cover, hard grip feed rollers, stump treatment, and measuring calipers.





KETO-FORST XTREME V2



FELLING DIAMETER: 400 mm



DELIMBING DIAMETER: 250 mm

- Saw control, chain and track lubrication from a separate reservoir.

MEASUREMENT SYSTEM OPTIONS:

- Technion iLogger with priority bucking
- Technion xLogger + Tablet PC with value bucking and GPS

OPTIONAL ACCESSORIES:

One-color marking, stump treatment, and measuring calipers.



NISULA 425H



FELLING DIAMETER: 425 mm



DELIMBING DIAMETER: 320 mm

- Saw control, automatic chain tensioner, chain lubrication via base machine hydraulic oil.

MEASUREMENT SYSTEM OPTIONS:

- Nisula NCU3i with priority bucking
- Nisula NCU3x + Tablet PC with value bucking and GPS

OPTIONAL ACCESSORIES:

One- or two-color marking, separate chain oil reservoir, stump treatment, and measuring calipers.



Cabin

The Jarcrac cabin is designed with the operator's workday in mind. It provides a safe working environment along with excellent visibility to the work area and treetops.

Ergonomics and comfort have been a key focus in the design. The cabin is spacious and bright, allowing the operator to clearly perceive their surroundings in all working situations. All our forest machines are equipped as standard with a high-quality Grammer air-suspension seat.

The Jarcrac cabin combines safety, comfort, and practicality – exactly the qualities professionals rely on every working day.



Service

Jarcrac machines are designed to be simple, robust, and practical. The hydrostatic transmission and clear machine structure make Jarcrac models exceptionally reliable and easy to maintain.

Thanks to carefully selected components and easily accessible service points, operating costs remain very low, while inspections and scheduled maintenance can be carried out quickly and efficiently.

TECHNICAL SPECIFICATIONS AND IMAGES ARE FOR ILLUSTRATIVE PURPOSES. THE MANUFACTURER RESERVES THE RIGHT TO MAKE CHANGES TO TECHNICAL SPECIFICATIONS WITHOUT PRIOR NOTICE.



JARCRAC

Over the years, Jarcrac has grown into an international company whose machines are known for their robust structure and comfortable operation. Product development is driven by practical experience, customer needs, and a continuous ambition to improve the efficiency and environmental sustainability of forest management.

Jarcrac is committed to Finnish expertise and reliable partners. Every machine is carefully built, thoroughly tested, and finished to meet the expectations of forestry professionals – ensuring smooth operation, simple maintenance, and outstanding work results.



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