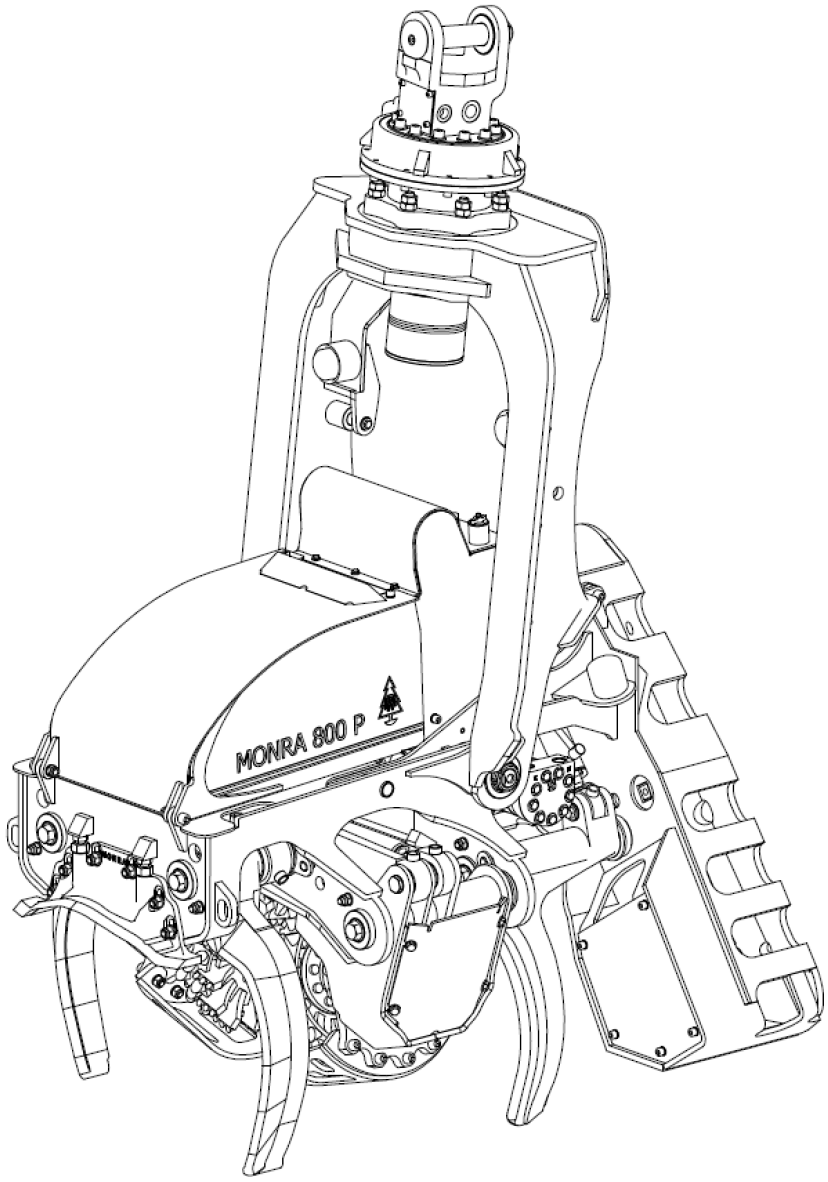
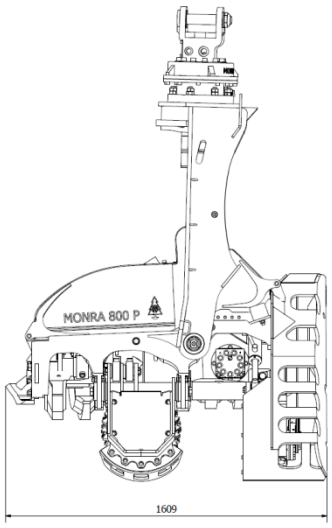
MONRA 800P

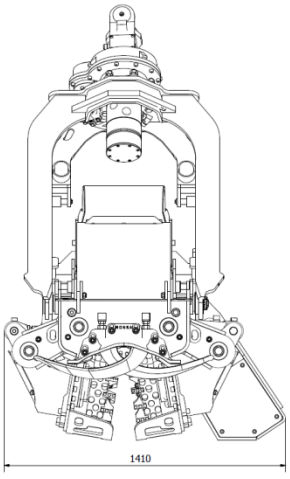


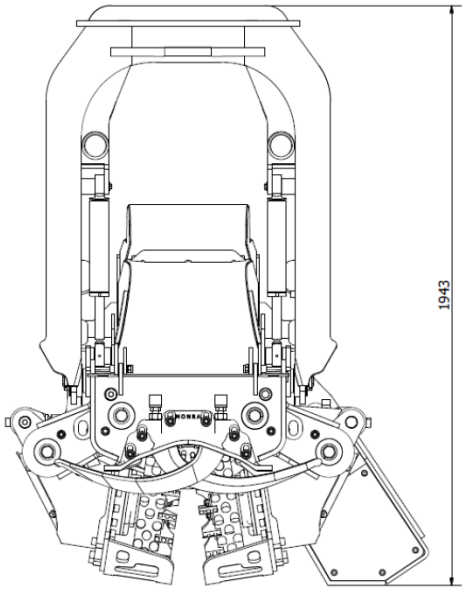
The **MONRA 800P processor head** is designed for heavy-duty operations, capable of felling and processing both hardwood and softwood under demanding conditions. It offers high power and excellent geometry for the most challenging logging tasks. Engineered for tracked machines, its structure is built from high-strength steel and features hardened and ground shafts. Its robustness, combined with an efficient hydraulic system, ensures high reliability and outstanding performance.

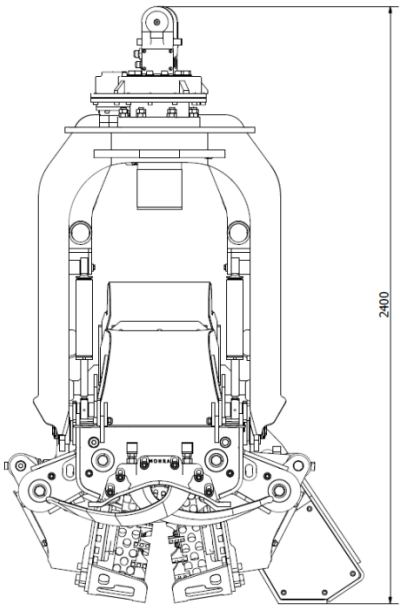
TECHNICAL SPECIFICATIONS

- Weight (without rotator): 1600 kg
- Weight (with rotator): 1750 kg
- Length: 1609 mm
- Width: 1410 mm
- Height (without rotator): 1943 mm
- Height (with continuous MONRA rotator): 2400 mm
- Power consumption: 120 kW
- Operating pressure: 30 MPa
- Recommended carrier weight: 20–30 tons
- Optimal tree diameter: 30–500 mm
- Oil flow requirement: 340 l/min
- Rotator: Indexator AV-17 / MONRA









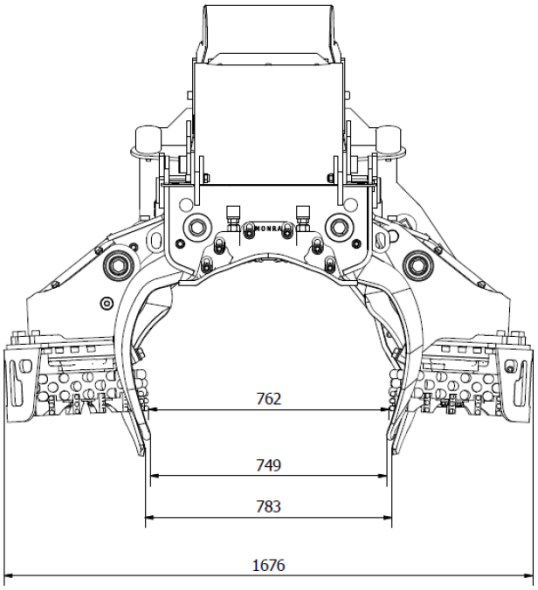
SAW UNIT

Hydraulically powered mechanical saw with hydraulic chain tensioner. Automatic lubrication system, proportional to saw descent and adjustable from the control system. Includes an integrated oil tank.

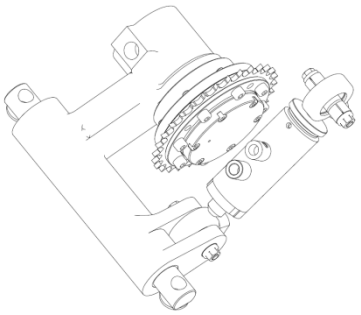
- **Motor:** 30 cc
- **Bar length:** 820–900 mm
- **Max cutting diameter (single pass):** 720–800 mm
- **Chain speed (0.404" saw chain):** 40 m/s
- **Oil tank volume:** 14 L

FEED ROLLERS (620–400 cm³ or 520–315 cm³)

- Feed system: 3 feed rollers
- Feed motors: 620–400 cm³ / 520–315 cm³
- Feed force: 30 kN / 25 kN
- Feed speed: 5 m/s (standard), up to 6 m/s with 340 l/min
- Max roller opening: 749 mm
- Minimum tree diameter: 40 mm



MEASUREMENT SYSTEM



Precise length measurement via hydraulically controlled measuring wheel.

Diameter is measured through roller pressure on the log.

This allows automatic bucking of logs into different lengths based on diameter, optimizing tree utilization. The system also monitors total processed volume.

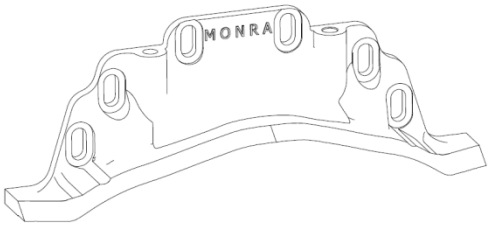
ELECTRICAL SYSTEM

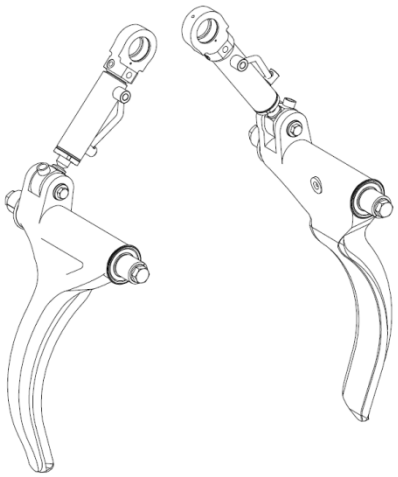
Custom automation system designed for this head, based on a reliable microprocessor with touchscreen display and automatic brightness control. Communication is via fieldbus.

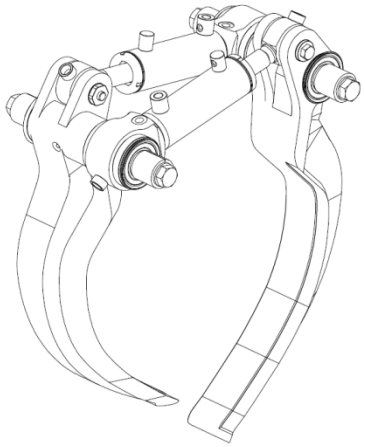
The Monra Nmon800 electrical system supports operation by different users and with different types of wood, offering great versatility.
Flow demands are controlled electronically via fluid-control, enabling significant fuel savings and efficient oil temperature management.

DE-LIMBING UNIT

Includes:
One fixed top knife (adjustable in the chassis)
Four hydraulically controlled knives surrounding the trunk
Made of high-quality steel for strength and durability







SENSORS

- **Tilt sensor**: Automates head positioning for faster felling and cutting
- **Tree position sensor:** Optimizes positioning for efficient processing

OPTIONS

- Eucalyptus debarking kit
- MONRA continuous rotation rotator

BASE MACHINE REQUIREMENTS

- **Electrical system:** 24 V
- **Minimum oil flow:** 270 l/min
- **Max pressure:** 320 bar