



STÖRI MANTEL

...when machines understand you



FLS120 ECO and FLS160
One-blade Rip Saws

One-blade Rip Saw Series FLS 120 ECO and FLS 160 ECO

We present models of the FLS 120 and FLS 160 ECO saws for longitudinal ripping and formatting with an attractive performance /price ratio for small and medium-sized companies.

The FLS ECO series is based on the proven FLS 170 standard series. If you do not process large quantities of timber but you need to be flexible in your orders and provide high cutting performance and a safe operation, then this saw will be your efficient helper with a fast economic return (one-operator production, 10-15% yield increase, etc.).

Ripping with FLS 120 ECO (FLS 160 ECO)

The saw increases yield, labour productivity and the value of wood quality with special attention paid to clean cuts, simplicity of use and safety. The FLS 120 ECO (FLS 160 ECO) model represents a modern and universal technology for processing solid timber, large-sized boards and other materials.

Basic Function and Description of the FLS Saw

The material to be cut is loosely laid onto the saw bench and then cut lengthwise by a travelling saw blade. After the cut is finished, the saw blade retracts under the saw bench and returns to its home position. Simultaneously, the rear longitudinal mechanical back stop (measuring device) automatically moves the processed material to the next pre-programmed dimension to be cut.

Use in Practice:

The highly versatile FLS 120 ECO (FLS 160 ECO) saw is mainly used in small and medium-sized companies. This machine can process solid timber and large-sized materials. The materials can be edged, ripped and formatted and are used for the production of boards and timber sections. The input material can also be cut into angles and mitres by using additional optional extras.

Other advantages include high speed, precision of individual cuts and high variability of processed material input and output dimensions. The FLS 120 ECO (FLS 160 ECO) is highly used and appreciated in sawmills, furniture production, window-frames, doors, carpentry and staircases production. The machine also works successfully in the processing of large-sized materials and with timber house construction.

Construction of the 120 ECO FLS (FLS 160 ECO) Base Frame

The robust and rigid frame is made of a self-supporting steel structure with a floating unit whose precise guidance ensures a long life. The machine meets the strict requirements for work safety stipulated by EC standards.

Technical Description:

- Engine power 11 kW (15 kW optional), 2900 rev/min.
- Cut height standard 0 – 120 mm (0 - 160 mm)
- Saw blade diameter Ø 450 up to 550 mm
- Saw blade bore diameter Ø 80 mm
- Adjustable feeding speed into the cut 0 – 60 m/min
- Cutting length 2,2 m - 6,2 m
- Cutting width 420 mm (450 mm optional)
- Operating height 850 ± 50 mm
- Outer dimensions - length = cut length + 1800 mm
- Extraction duct 2 x 160 mm
- Desired extraction speed 25 - 30 m/s
- Pneumatic timber clamp (optional)

Standard Equipment

- laser beam showing the direction of cutting and facilitating quick material placing during trimming and ripping
- quick-mount fitting of the saw blade
- soft starter



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