OFFER LIST

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CTR 750 LX

Max. (mm)		
750	640	530 x 530

4140 x 34-35 x 0,9-1,0 mm

Max. log diameter	750 mm
Max. opening betwen blade guides	640 mm
Max. elevation of blade	620 mm
Min. log height	25 mm
Max. depth of cut	255 mm
Max. log length (standard model)	3,45 m
Length track section	2,25 m
Min. log length	0,75 m
Saw blade motor	5,5 kW
Horizontal/vertical feed motor	0,37/0,37 kW
Max. feed speed (forw/back)	15 m/min.
Sawblade	4140 x 34-35 x 0,9-1,0 mm
Weight (standard model)	535 kg
Weight (track section)	70 kg

Nomimal current of circuit breaker is minimally: 5,5 kW - 16 Ampere; 7,5 kW - 20 Ampere

DESCRIPTION

The most powerful type of the popular CTR 750 series allows productive processing of logs up to 75 cm in diameter.

Compared to the CTR 750 EV with machine feed into and out of the cut and motorised height adjustment of the sawmill arm, this model is also equipped with a debarker. The base machine also includes START/STOP cooling system and a saw blade tension indicator. All this significantly increases the productivity of the machine and the comfort of the operator. Ideal solution for family farms or small sawmilling companies.

The height adjustment of the sawmill arm is done by a chain transmission driven by an electric motor with a worm gearbox. The desired cutting thickness can be simply set on the touch screen with the option of setting the required kerf width. The movement of the arm, controlled by a frequency inverter with deceleration in the end positions, guarantees precise automatic setting to the desired values. Simple, intuitive operation on the 3.8-inch colour touch screen controlled by a new-generation operating system. Allows a choice of four programming cutting modes. It is possible to set the repetition of a constant or variable thickness of lumber. It is also possible to choose between two methods of automatic arm exit after the cut, either to a fixed height or by the last measure.

The movement into and out of the cut is provided by a worm-gearbox electric motor controlled by a frequency inverter. The travel speed can be changed simply by turning the potentiometer knob on the control panel. The end positions are secured against impact by automatic deceleration and stopping. The control panel is mounted on the travelling bridge of the sawmill arm. This allows closer contact between the operator and the material to be cut during cutting.

Debarker
The professional, robust debarker is equipped with an industrial motor (400 V). The debarker blade with CC inserts removes debris from the log in the path where the saw blade enters the material, thus preventing rapid dulling of the saw blades. An additional electric motor with a worm gearbox allows the debarking arm with CC blade to be angled according to the diameter of the log being processed. All functions are controlled from the central panel. The use of a debarker reduces the frequency of saw blade changes and increases the service life and overall productivity of the machine. The debarker CC blade operates approximately 30 cm in front of the saw blade. This should be taken into account when selecting the overall cut length and the number of extension sections.

START/STOP cooling system
The START/STOP cooling system is additionally equipped with an electromagnetic valve, which opens automatically when the saw blade is activated. When the saw blade stops, the valve closes. It significantly facilitates the operation of the machine, saves the consumption of coolant and the time required for refilling.

Saw blade tension indicator
It allows precise tensioning of the saw blade to the optimum value according to a pressure gauge and especially its control during machine operation. During cutting, the saw blade heats up and, due to thermal expansion, its overall length extends. This results in insufficient blade tension, which is one of the main causes of an uneven, wavy cut. You can immediately see the pressure drop on the pressure gauge and tighten the saw blade.
Optimum saw blade tension is essential for the quality of the cut as well as the life of the saw blade and the machine.

The solidly mounted drive wheel is driven via a V-belt by a professional electric motor, specially balanced against vibration. The basic version of the machine is equipped with a powerful 5.5 kW motor. For even higher performance, for example when cutting oversized logs or even when cutting very hard materials, a 7.5 kW motor can be used. The machine's total input power of 6.95 kW (the more powerful 7.5 kW motor has a total input power of 8.95 kW) guarantees low running costs and easy connection to the mains. Circuit breaker 16 A (20 A for the 7.5 kW motor).

The tensioning wheel system moves in a cast iron guide, which guarantees long service life and precision adjustment even with long-term use of the machine. The arm is fitted with aluminium running wheels with precise anti-vibration balancing. The circumference of the wheel has a recessed groove in which a replaceable rubber-textile V-belt is fitted, which forms the contact surface between the wheel and the saw blade.

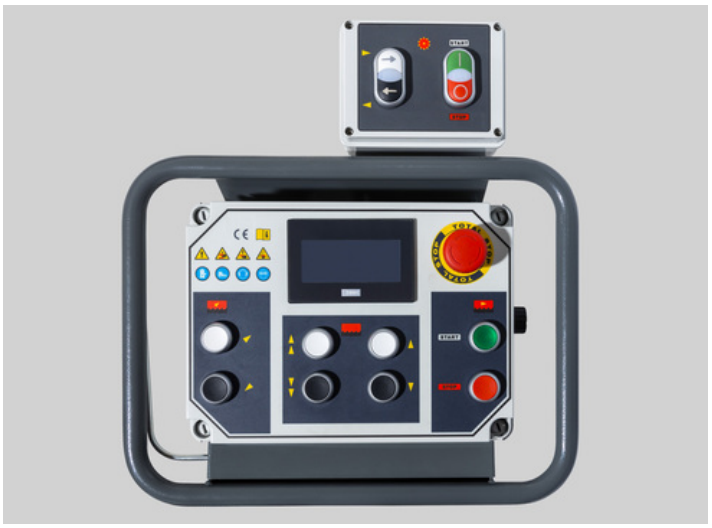
The stability of the machine is based on very solid steel travel sections, which ensure optimum guidance of the sawmill arm bridge. The travel sections are fitted with tilting angle bars and log clamps/cam dogs.

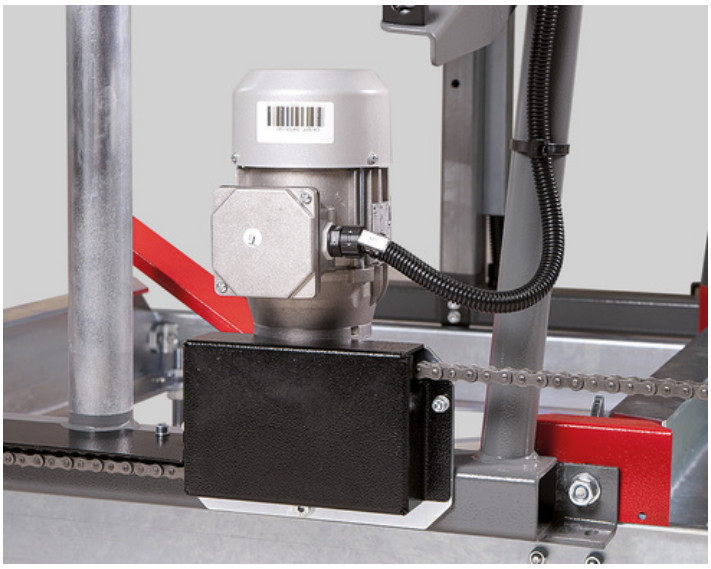
The sawmill CTR 750 uses standard saw blades 34-35 x 0,9-1,0 mm as with the fully professional models.

The CTR model series represents the latest trends in sawmill design, with special emphasis on maximum accuracy and long service life at minimum cost. The machines are designed in an original modular way, which allows easy replacement or adjustment of all main technical nodes and their individual parts. This significantly reduces maintenance costs in the long-term use of the machine and also reduces service times, thus reducing production downtime.

All pictures shown are for illustration purpose only. Actual product may vary due to product enhancement.

PHOTOGALLERY





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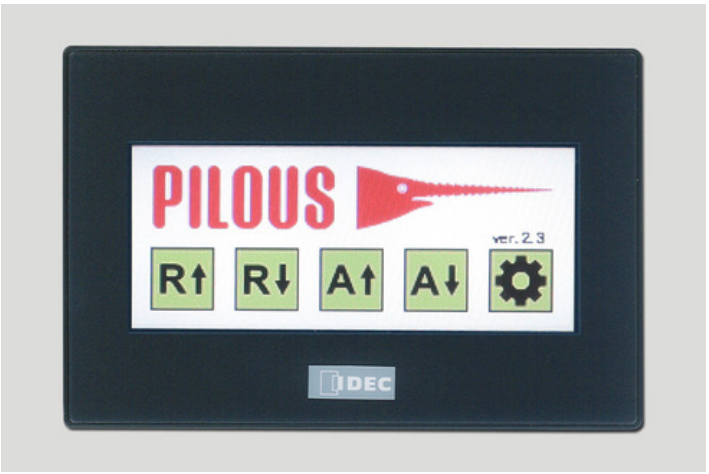
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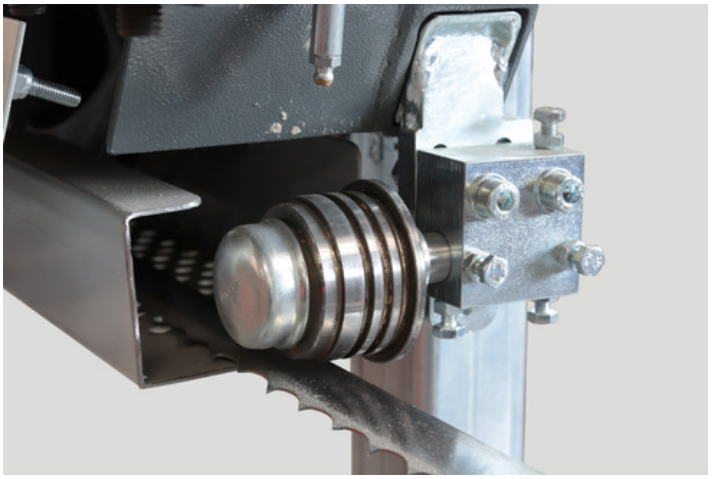
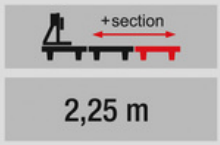


ACCESSORIES

ACCESSORIES – SPECIAL ACCESSORIES



Extending section 2,25m LX

Extending section 2,25 m
Include: 3x Cross beams, 1x Tilting angle bar, 2x Clamp
Variable points: 1x Tilting angle bar, 1x Clamp

Main motor 7.5 kW

Main motor 7.5 kW
For even higher performance, for example, when cutting oversized logs or even when cutting very hard materials, especially with Stellite-tipped blades 7.5 kW motor can be recommended.

Cant hook

Cant Hook
Used for turning, rolling, and handling logs. The spike can be used to separate logs or to provide stability during work by sticking it into the ground. The cant hook is available in lengths of 79 cm and 125 cm (including the spike).

Clamp with tilting angle bar

Clamp with tilting angle bar
Additional clamping kit. It consists of the clamp and a tilting angle bar.

Additional clamp

Additional clamp

Cam dog

Cam dog
For fast and easy squared lumber clamping.

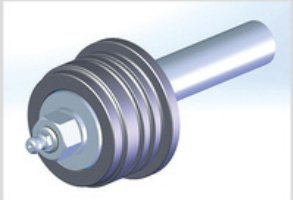
Grease Gun

Grease Gun
For regular maintenance of the machine according to the lubrication plan. Metal grease gun for 400g tubes. Equipped with a flexible pressure hose.

Synthetic Grease LV 2-3

Synthetic Grease LV 2-3
400g tube for the grease gun.

ACCESSORIES – CONSUMABLE PARTS



Blade Roller Kit VK 750

Blade Roller Kit VK 750
Hardened roller, bearings, and shaft designed for a sawmill blade 35 mm.

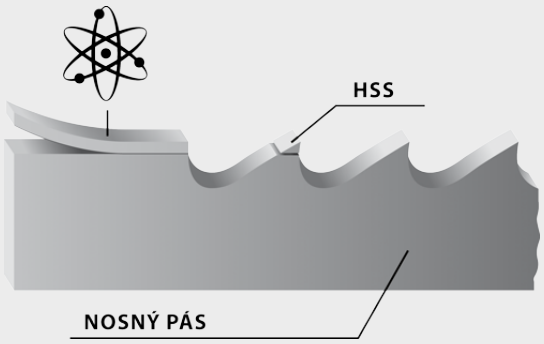
Running Wheel V-belt SPB 1850 Driven Wheel V-belt 17x1560 Lw

Running wheel V-belt SPB 1850
Driven Wheel V-belt B 17x1560 Lw

SAW BLADES

MAXwood

• The original sawmill blades PILOUS MAXwood are available in a variety of types which enables you to process any kind of wood.
• The wide product range not only offers more affordable sawmill blades for low-volume cutting, but includes also sawmill blades for fully professional cutting and utmost performance.
• The foundation of all sawmill blades are top-quality German materials and precise workmanship. The quality of the sawmill blades is carefully monitored. All sawmill blades correspond to the strict ISO 9001 norm.
• We have added to our portfolio also an original Munkfors sawmill blade made by the world`s leading manufacturer Uddeholm from Sweden.
• Pilous sawmill blades are used in dozens of countries around the world. Any wood you cut, the company Pilous will recommend you a sawmill blade that will fit your needs.



BiMetal
Sawmill blade with tool steel teeth - completely eliminates the need to sharpen the sawmill blade as well as frequent blade replacement. Use: soft, hard to extremely hard wood.

HSS
Bearing blade

Stellite
Sawmill blade with teeth made of Stellite. Tooth setting is completely unnecessary. Use: soft, hard to extremely hard wood.

Carbon / Chrom-Vanadium spring steel
The most common sawmill blade for optimum price/performance ratio. Use: soft and hard wood.

Be careful when unpacking welded sawmill blades. They are in a shipping container in tensioned condition. Remove the sawmill blade cover only after fitting it onto the machine.