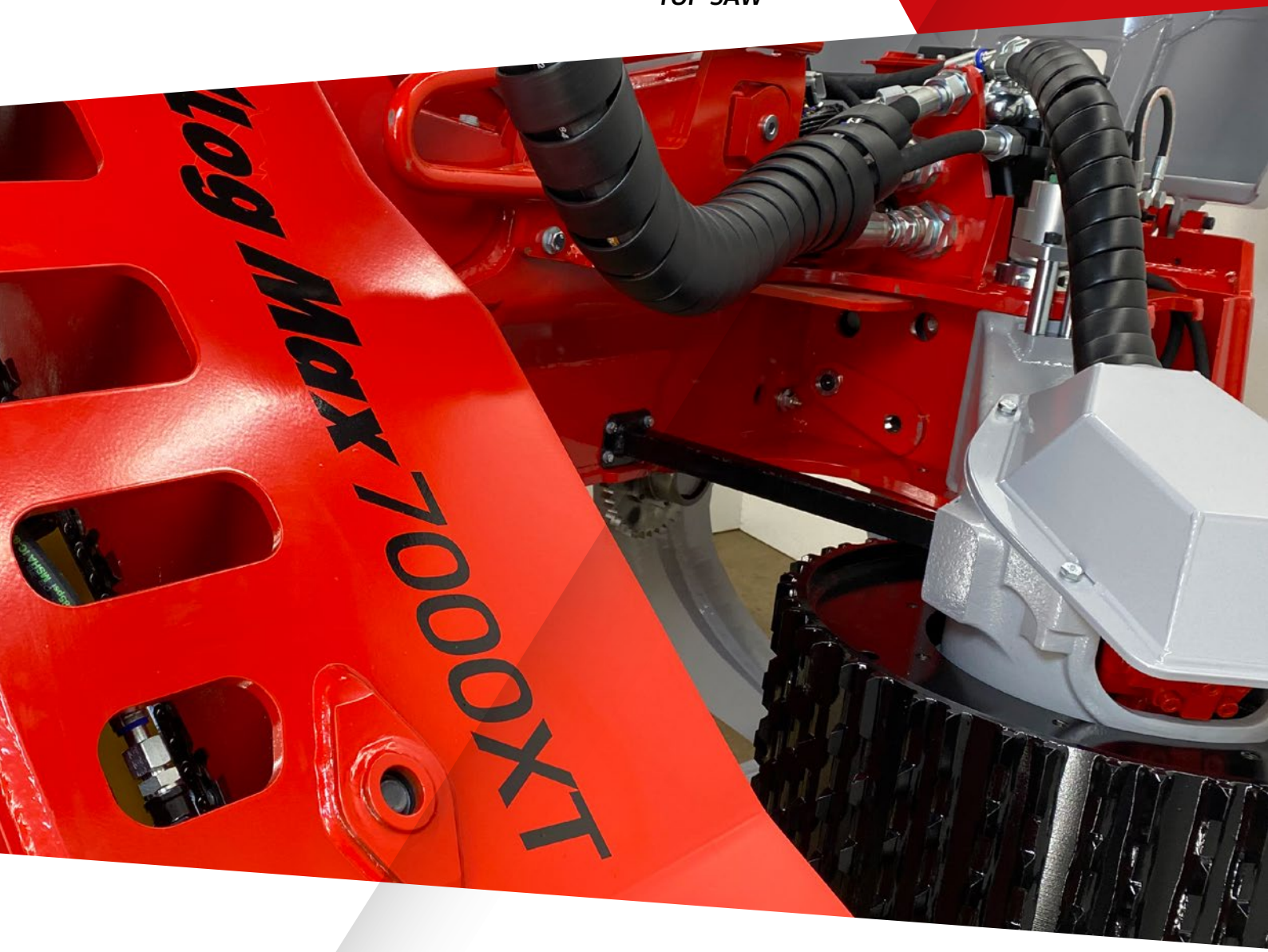
Log Max 7000XT

TOP SAW



HEADS ABOVE THE COMPETITION

logmax.com

7000XT
TOP SAW

SAY HELLO TO YOUR NEW BEST FRIEND

The new Log Max 7000XT is a durable, easy-to-work, accurate, and intelligent workmate, ready for the toughest applications.

The new Log Max 7000XT has everything you would expect from a modern harvesting head. It is designed to withstand the toughest applications no matter how or where in the world you use it.

It offers durable high performance and delivers accurate and precise length and diameter measuring. It also has many smartly designed features that greatly simplify service allowing you to run more hours.

This unit is built to deliver and to be an irreplaceable piece of equipment.

WHAT MAKES THE 2022 7000XT TOP SAW SPECIAL :

DURABILITY

The frame is reinforced in many places to withstand the toughest jobs and increase lifespan.

CUTTING PERFORMANCE

7000XT Top Saw as new saw valves for both units that have been optimized to offer fast, trouble-free cutting.

THE MEASURING RESULTS

There is a high requirement for today's harvester heads to deliver precise measurement results. The 7000XT measuring unit has been redesigned to meet these requirements.

SIMPLICITY & EASE OF ACCESS

It's now even easy to perform regular maintenance and service on the head. Improved accessibility, well laid out hoses and grease nipples makes life easier.

STRENGTH AND DURABILITY

REINFORCED ATTACHMENTS FOR DELIMBING KNIVES AND FEED ROLLER ARMS

In order to increase the durability and make the head extremely heavy-duty, we have strengthened the attachments for all delimbing knives and for the feed roller arms.

REINFORCED FRAME AROUND THE LENGTH MEASURING UNIT

To improve the frame's durability and life span, we have changed the design of the measuring wheel hole and reinforced the stoppers for the feed roller arms on the inside of the frame, this increases the frame's strength and stability.

IMPROVED LENGTH MEASUREMENT FUNCTION & NEW CONTACTLESS SENSOR

The new length measuring unit is packed with smart features, such as the contactless sensor, easier lubrication, and durable tapered bearings.

REINFORCED MECHANICAL STOP FOR LOWER DELIMBING KNIFE

To increase both the frame and the lower knife's stability and longevity, 7000XT has a new reinforced mechanical stop in both open and closed positions. In the open position, we have strengthened the inside of the frame, inside the oil tank. In the closed position, we have integrated the mechanical stop in the frame. The new stop sits far down on the frame, where the knife strikes on the frames right side.

NEW WEAR PLATE ON THE TOP SAW BOX

We have added a replaceable wear plate on the top of the top saw box. Instead of wearing down the centerline of the frame, the new wear plate will take the hit.

COMPLETELY NEW DELIMBING KNIVES

The 7000XT has new reinforced delimbing knives with welded knives edges. The delimbing knives are also better suited for hardwood.

NEW STRONGER HYDRAULIC CYLINDER FOR THE LOWER DELIMBING KNIFE

To increase lifting capacity and improve stem holding, we have updated the cylinder for the lower delimbing knife. Both the lower delimbing knife attachment and the delimbing knife itself are updated to work optimally with the new larger cylinder.

NEW LASER FIND END SENSOR

The new laser find end sensor resets the length measurement without having to cut. The feature saves both fuel, chains and increases the value of the wood.

STRENGTH AND DURABILITY

SAFETY PIN ATTACHMENT INTEGRATED INTO FRAME

The safety pin's attachment to the frame has been reinforced. The old "ears" have now a new design and are integrated and welded into the frame. The changes will increase durability and lifespan.

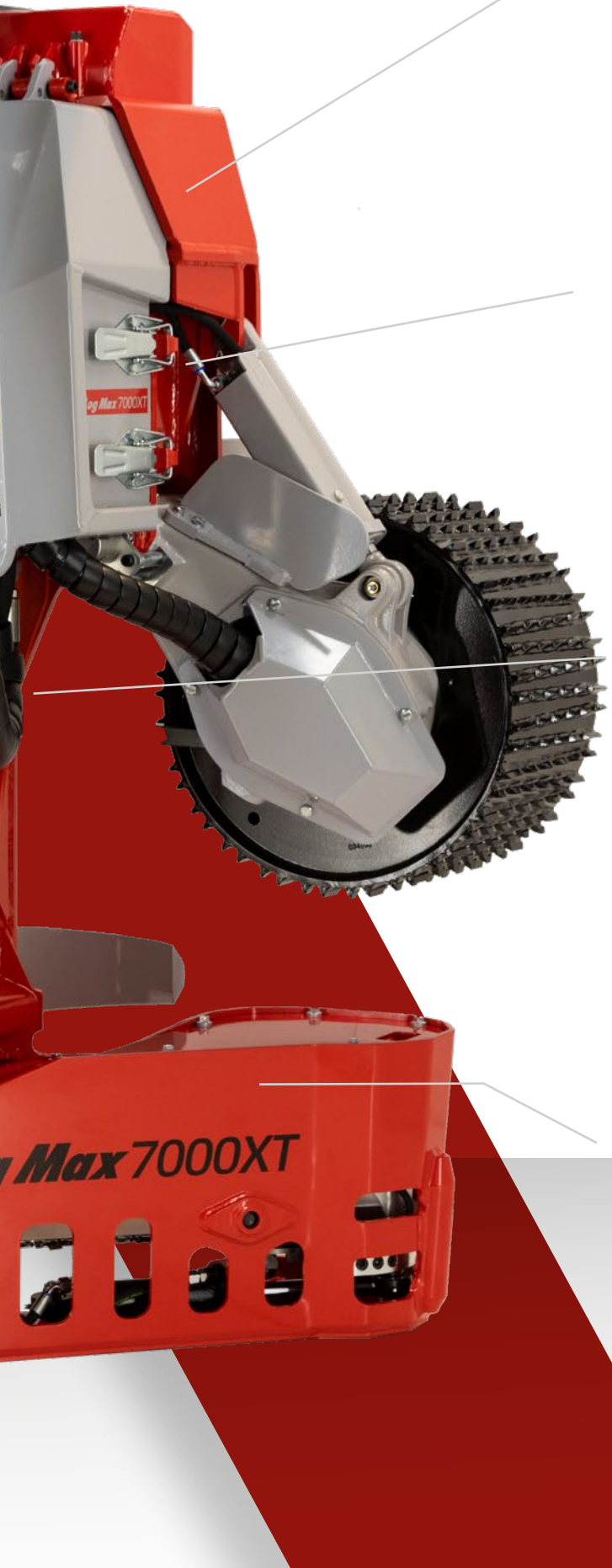
SAW 611 and 318 NEW TOP SAW VALVES

To increase the performance and durability of the top saw, we have updated it with a new valve. It has also been given a new position on the frame to simplify service and settings.

The main saw also has a new valve that provides increased durability and better controllability of the saw.
The valve has a new placement, directly mounted on the motor outlet, which minimizes the risk of cavitation.

REINFORCED AND EXTENDED ATTACHMENT OF THE FELLING LINK

The attachments for the felling link has been strengthened and extended towards the front of the frame. We have done this to minimize the risk for cracks around the plates on the side of the frame (under the roller arms)



NEW IMPROVED ATTACHMENT FOR MANIFOLD

The attachment for the right manifold is improved both at the top and bottom. The upper attachment is more flexible, and we also changed the position of it to reduce the risk of damage to the manifold.

NEW PROTECTIVE COVER

The protective cover is updated with a new modern design. It also has a more service-friendly attachment for the gas damper making it easy to replace.

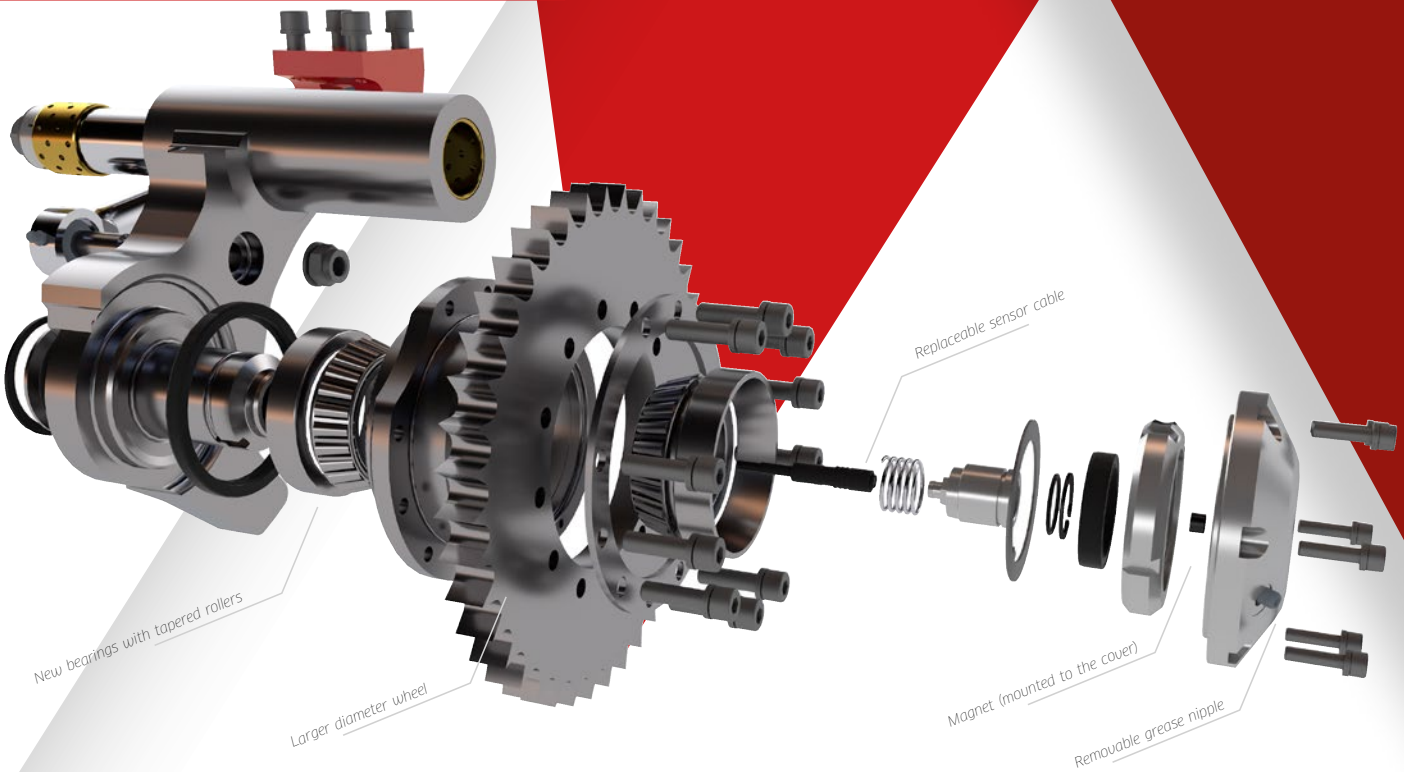
NEW HOSE PROTECTION ON THE FRAME

To protect the hoses to the base machine, we have created a new hose protection plate on the right side of the frame. It protects the base machine hose from sticks from the front. The carrier hoses are expensive to replace.

CHANGED GEOMETRY AND DESIGN OF THE SAW BOX

To improve cutting, we have optimized the position of the main saw. The modified geometry provides a faster cutting cycle and minimizes the risk of the wood splitting during cutting. We have also changed the design of the saw box to give room for the new, more powerful cylinder of the saw.

MEASURING UNIT



IMPROVED LENGTH MEASUREMENT FUNCTION

To offer the best measurement results, we´ve made some changes in the length measurement function. We have updated the design of the measure wheel cylinder, the hydraulic circuit and reinforced the measuring wheel arm and its attachment.

We also have a completely new measuring wheel unit, including a bigger measuring wheel. Altogether, the changes will allow the measuring wheel to follow the contour of the stem even better and provide the best measurement results.

NEW CONTACTLESS SENSOR

The new sensor for the length measurement is contactless and has no mechanical moving components that will result in minimal or even non-existent service and maintenance of this sensor.

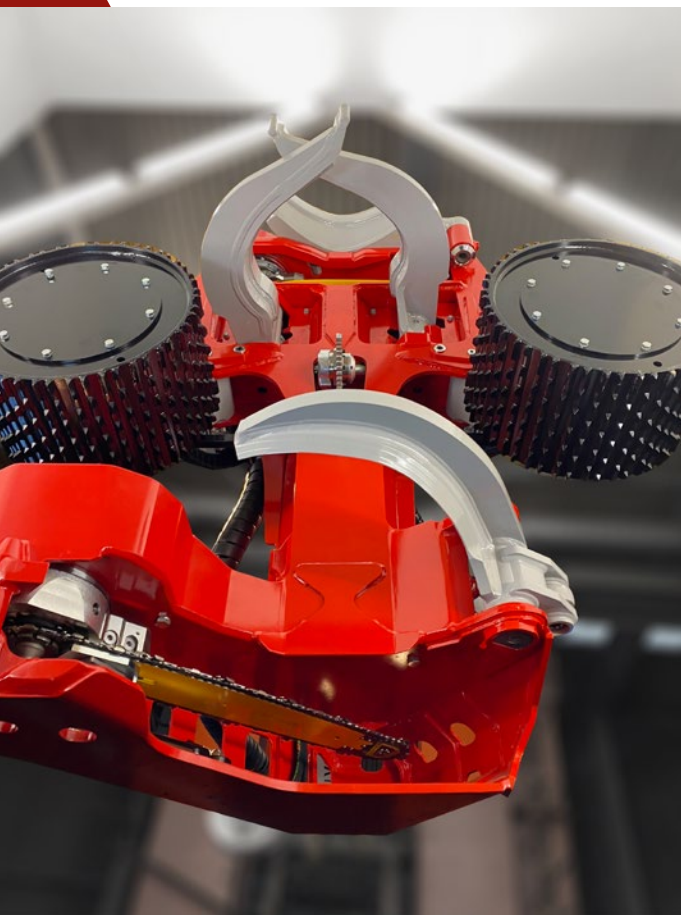
The spring loaded sensor is placed in the arm and retained by a lock ring.
An o-ring prevents it from turming.
The magnet is fixed to the cover
The cable is detachable.

NEW TAPERED ROLLER BEARING AND LUBRICATION POINT

The measuring wheel assembly has been equipped with a new bearing with tapered rollers which provides a more stable and stronger construction.

To simplify the maintenance of the roller bearing, we have added a lubrication point on the aluminium cover of the measuring unit. You can now easily insert a lubrication nipple into the lubrication point (recommended every 1000h.) and refill with grease.

DELIMBING UNIT

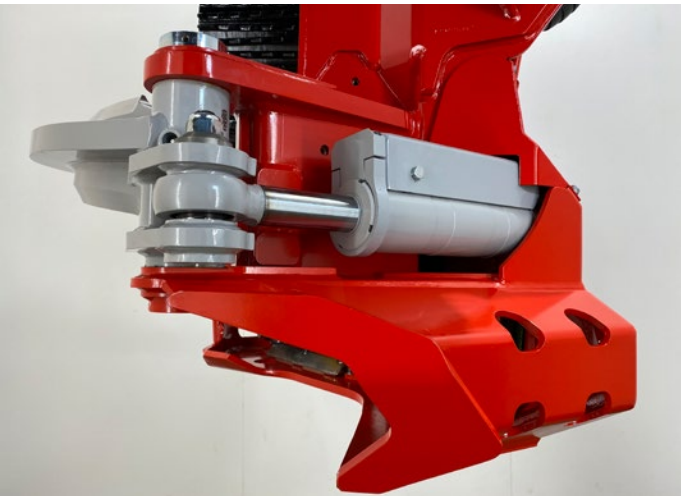


COMPLETELY NEW KNIVES

The 7000XT has new reinforced delimbing knives with welded knive edges. The delimbing knives edges are thicker and interchangeable in order to extend their lifetime.
The delimbing knife has a smaller round tip, which makes them function more like a tweezer, making it easier to pick stems from a woodpile.

The delimbing knives are also better suited for hardwood thanks to a steeper angle of the lower part of the knife helping to fend away thicker branching.

The lower knife is reinforced to adapt to the new, more powerful cylinder.



NEW STRONGER HYDRAULIC CYLINDER FOR THE LOWER DELIMBING KNIFE

To increase the lower delimbing knives lifting capacity and improve the stem holding, we have updated the cylinder for the lower delimbing knife. Both the lower delimbing knife attachment and the delimbing knife itself are updated to work optimally with the new larger cylinder.

HYDRAULIC UPPER DELIMBING KNIFE AS STANDARD

7000XT Top Saw will, from now on, be equipped with a hydraulic top knife as standard. This feature allows the upper knife to automatically retract when the head feeds backward, a good way to protect the knife from damage.

7000XTTS 2022 IN NUMBERS

DIMENSIONS AND WEIGHT

Weight (incl. feed rollers and cushioned protection plate, saw unit, hydraulic oil and lubrication oil)	2 270 kg	5,004 lbs
Min. width	1 397 mm	4 ft 7“
Max. width	1 956 mm	6 ft 5”
Height to upper delimbing knife	2 086 mm	6 ft 10”
Height to felling link	2 206 mm	7 ft 3”
Max. full delimbing coverage	500 mm	19.6”
Max. cutting diameter, main saw	800 mm	31.4“
Max. cutting diameter, top saw	490 mm	19.2”
Min. opening between feed rollers, V-steel	7 mm	0.27”
Max. opening between feed rollers, V-steel	732 mm	28.8”
Max. opening between main delimbing knives	740 mm	29.1”

SAW UNITS

Equipment	**Main Saw 611**	**Top Saw 318**
Saw chain tensioning	Manual	Automatic
Saw motor	60 ccm - 3.661 cu in	30 ccm - 1.83 cu in
Max. cutting Ø	755/800 mm - 29.7”/31.5”	490 mm - 19.3”
Saw chain speed	max 30 m/s - 98.4 ft/sec	max 40 m/s - 131 ft/sec
Saw bar standard	549411-034	549418-460SM
Saw bar optional	549411-036	No
Saw chain	53/56 DL	77DL
Saw chain pitch	3/4”	0.404
Chain sprocket	Z9	Z18
Cutting control sensor	Yes	Yes
Stump treatment	optional	No
Chain oil capacity 40 liters - 10 US gal		

FELLING

Felling movement	133°
Felling torque (hydraulic torque and weight torque)	9,0 kNm - 6,600 lbf.ft
Max. crane size, gross lifting torque	350 kNm - 258,100 lb-ft

HYDRAULICS

Max. flow, at working revs	350 l/min - 92 us.gal/min
Min. required flow, at working revs. (to get 3,0 m/s feeding speed)	250 l/min - 66 us.gal/min
Hydraulic pressure	max 320 bar - 4,650 psi, min 250 bar - 3,600 psi
Max. hydraulic power, at working revs	ca. 154 kW
Min. hydraulic power, at working revs	ca. 84 kW
Max. recommended carrier engine power, at working revs	ca. 188 kW - 250 HP
Min. recommended carrier engine power, at working revs	ca. 103 kW - 140 HP

FEEDING

Motor type	Theoretical force	True feeding force	Speed
880-1320cc (standard)	45,0 kN - 10,100 lbf	34,6 kN - 7,800 lbf	5,2 m/s - 17.06 ft/s
1259cc (opt.)	42,1 kN - 9,500 lbf	32,0 kN - 7,200 lbf	4,2 m/s - 13.77 ft/s

XT SERIES

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Log Max