

SP 661 LF Lite

- *Lightweight and efficient*



- 1** **Optimized** for mid-range wheeled harvesters.
- 2** **Energy-efficient** with rapid feeding and low fuel consumption thanks to a new, efficient hydraulic valve.
- 3** **Lightweight** with reduced chassis weight and tilt frame in positions subject to low strain levels.
- 4** **Agile** and powerful head for maximum production.
- 5** **Productive** with the same great features as the 661 LF in the standard version, but with a lower weight.
- 6** **Multispeed engines** as an option for maximum performance regardless of the type of felling.

SP 661 LF - *Lite*

Would you like a harvester head with the same great properties as the 661 LF – but with a lower weight? Then the SP 661 LF Lite is the obvious choice. The SP 661 LF Lite is a lightweight and efficient head, optimized for mid-range wheeled harvesters. The head is designed in accordance with SP's tried and tested Low Friction Principle, which means minimal friction, maximum production, and optimal fuel efficiency. The SP 661 LF Lite has been developed to offer the highest quality and productivity in all types of final felling.

In heavy final felling, the proportionally angled feed rollers, combined with SP's patented LogHold system, deliver maximum capacity and production. The agile design comes into its own in small-diameter final felling, and when equipped with Multi-tree handling, even very small stems can be felled quickly and efficiently.

The SP 661 LF Lite reaches its absolute peak capacity with stems with a diameter of 16–51 cm bhd, but thanks to the LF principle, it can also handle larger diameter stems efficiently.



1395 kg
Weight



70 cm
Cutting diameter



16-51 cm
Rec. stem diameter (DBH)
for maximum productivity



26-30 MPa
Recommended working
pressure

SP

— ALWAYS AHEAD —

Specifications

Hydraulics

	Metric
Min. oil flow:	200 l/min
Rec. working pressure:	26–30 MPa

Feeding

Proportional roller clamping pressure relative to stem diameter, individually adjustable for each tree species for optimal performance.

Roller motors:	613–920 cc
Max. roller opening:	630 mm
Feed speed	0–7 m/s
Feeding force:	38 kN
Proportional pressure:	Yes

Cutting

The SuperCut 150 is an extremely powerful unit with integrated chain lubrication and hydraulic chain tensioning. Together with SP's QuickCut system, it optimizes cutting times and minimizes the risk of splitting.

Standard cutting diameter:	700 mm
Cutting diameter option EC saw unit housing:	810 mm
Chain speed:	40 m/s
Saw motor:	32 cc
Saw unit:	SuperCut 150

Limbing

Proportional limbing knife pressure geared to the stem diameter minimizes friction and maximizes production. Individual settings for upper/lower knives and different tree species for optimal performance.

Moving knives:	4
Fixed knives:	1
Limbing diameter tip-to-tip:	510 mm
Min. branch diameter:	30 mm
Proportional pressure:	Yes
LogHold:	Yes

Weight and dimensions

Despite its ability to handle large-diameter forest, the SP 661 LF Lite's compact dimensions mean that it is suitable for more than just heavy final felling.

Width closed:	1360 mm
Width open:	1820 mm
Height, excluding tilt frame:	1730 mm
Weight, excluding rotator:	1395 kg

Recommendations

Carriers

The SP 661 LF Lite is an excellent choice for installation on wheeled base machines as well as on excavators and tracked forest machines.

Harvesting

Rec. stem diameter (DBH) for maximum productivity*:	160–510 mm
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* Diameter at breast height, measured 1.3 m up the stem.

We reserve the right to alter specifications and designs. The harvester heads presented may have some extra equipment. All specified dimensions/values are approximate and refer to standard equipment.



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