



Danish design and manufacturing

REMOVE TO RENEW

STUMP CUTTERS

- **ENGINE**
- **HYDRAULIC**
- **TRACTOR**



100% DEDICATION

Since we were established in 2002, FSI Stump Cutters have been dedicated to the development and manufacturing of stump cutters, making us the world's only 100% focused manufacturer in this field. Over the years, we have grown to become Europe's largest manufacturer of stump cutters, with an extensive know-how, expertise, and a wide range of high-quality products.

From our state-of-the-art manufacturing facilities in Denmark, supported by a network of highly skilled local suppliers, we design and build stump cutters with great care and attention to detail. Each product is thoroughly inspected and tested before leaving our factory, ensuring that it meets and exceeds our customers' expectations in terms of quality and reliability.

Our products are aimed at professional users who value quality and exceptional service. Landscapers, tree surgeons, hire companies, local authorities, and other companies in the green sector choose FSI for their stump cutter needs. One of the reasons for this is our extensive FSI Partner network, consisting of dedicated importers and dealers worldwide, who provide local support to minimise response time when service is needed.

In this brochure we are proud to showcase the many models and variants available in the FSI range. Whether you need a stump cutter with a petrol or diesel engine, to fit as a tool on your tractor, excavator, tool carrier, or mini loader, we will have the right one to meet your requirements. We are fully dedicated to delivering reliable and efficient solutions that meet the needs of our customers, and we will be delighted to help find the right solutions for your business.



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***REMOVE TO
RENEW***

KEY FEATURES

NARROW ACCESS

We understand that access is crucial in securing a job. That's why we prioritise machine width from the initial design stage, carefully selecting components to achieve a slim design. For stump cutters with twin wheels, these can easily be removed by loosening a single centre bolt, making it easy to navigate through narrow garden gates.

FSI POWER-CUT

The FSI power-cut cutter wheel is designed for efficient chip removal and reducing material build-up inside the housing, resulting in less recirculation. With less recirculation you'll experience less wear on your FSI teeth, decreasing the overall cost of operation.

FSI POWER-SWEEP

FSI power-sweep is a carefully engineered support system that optimises cutting capacity while reducing engine and drivetrain stress. This system helps inexperienced operators avoid overloading the engine and minimises fatigue for skilled operators during long workdays. By monitoring engine speed and automatically adjusting the cutter wheel sweep speed, FSI power-sweep ensures the most efficient conditions, enhancing overall performance.

FSI POWER-CLUTCH

A robust and reliable clutch specifically developed for use in stump cutters. With safety as a priority, an integrated brake ensures the cutter wheel comes to a stop within seconds when the clutch is disengaged, either by pushing the button or releasing the safety bar. Manufactured in-house and with all components available as individual spare parts, this heavy-duty design offers cost-effective parts replacement, without having to replace the whole clutch.

FSI POWER-DRIVE

With the two-speed ground drive, FSI power-drive, you have the choice between HIGH for faster transport speeds or LOW with increased traction and manoeuvrability over terrain or when stump cutting. To ensure best possible traction for stump cutters on wheels, a differential lock is added to provide reliable travel over terrain.

MARIO GRABMANN – A ONE-MAN STUMP CUTTING ARMY



“YOU CAN DEFINITELY COUNT ON FSI AND THEIR PARTNERS WHEN YOU NEED TO HAVE SOMETHING FIXED FAST”

**MARIO GRABMANN
OWNER**

In 2008, Mario Graßmann kickstarted his stump cutting business when he was introduced to FSI and their stump cutters for the first time. Since then, he has purchased several FSI machines. Prior to that, Mario Graßmann was no stranger to the forest. His forest adventure started back in 1989, starting off as a lumberjack with a chainsaw as his only tool and later also transporting trees for processing.

Today, Mario Graßmann is fully involved in his one-man business, removing tree stump after tree stump with his selection of FSI stump cutters.

THE FIRST MEETING WITH FSI

Mario was first introduced to FSI and their stump cutters at an exhibition in Germany in 2008. A meeting that turned out to be a win-win situation for both FSI and Mario. Because now, for 15 years, Mario has been using FSI's machines for his stump cutting work near his home in Hodenhagen, Germany, which is located between Bremen, Hannover, and Hamburg.

"I have five different FSI machines – from the very small 2-wheeled to the big FSI D74 – and I couldn't be more satisfied with them. I purchased the machines through FSI's German partner, Vogt, who provide local service when needed. If a complicated situation arises, FSI and their technical team support Vogt, and make sure I'm up and running as fast as possible. I've only had positive experiences with FSI, and they know how important it is to have things fixed fast", says Mario Grassmann.

REMOVING TREE STUMPS WHERE OTHERS CAN'T

As a one-man business, Mario both takes on stump cutting jobs large and small for private customers as well as the local authority and gardening companies within the local district – all year round. To Mario, the reliability, power, and performance of the machines is therefore of great importance.

"One of the main reasons why I chose FSI is because of the strong build and the V-belt drive. The design ensures minimal power loss and I can get the work done as efficiently as possible. Moreover, due to the width of the machines, they are very easy to navigate, even when conditions are tricky or narrow. I did consider other stump cutting machines, but they were never able to live up to the same standards as the FSI ones", says Mario Graßmann.

When it comes to cutting down trees and removing tree stumps, Mario is certainly an expert, and with the help of FSI, he can get the job done safely and efficiently – every time, all year round.



The image features a solid red background with several thick, white, curved lines that sweep across the frame. These lines are arranged in a way that suggests motion or a stylized graphic element. In the center, the word "ENGINE" is written in a bold, white, sans-serif font, slanted slightly to the right. The text is positioned between two sets of these curved lines, which appear to frame or surround it.

ENGINE

FSI B21

Scan for more information



The FSI B21 stump cutter is the successor to the highly popular FSI B20. FSI B21 sets new standards for walk-behind stump cutters with its unique features. With a pivoting cutter arm, individual wheel brakes, vibration-damped operator handle, and the patented hill-hold system, this stump cutter makes working easy and efficient for operators of all skill levels. Measuring just 68 cm in width, FSI B21 can go through narrow passages and its hill-hold system provides the support you need when travelling up ramps or in uneven terrain. Driven by a petrol engine, the banded V-belt transfers power to the FSI power-cut cutter wheel. The single-sided sealed bearing housing on the cutter wheel is greased from the factory, eliminating the need for daily maintenance and provides reliable performance for over 1000 hours of normal operation. With the FSI B21 stump cutter, operators have a reliable, sturdy, and easy-to-use solution to remove any stump.

5 FEATURES

Sealed bearing housing on cutter wheel eliminates the need for daily maintenance.

Turntable design with a balanced pivot point and individual wheel brakes.

Hill hold system for greater safety and control on ramps or uneven terrain.

A safety bar disengages the cutter wheel when released, enhancing operator safety.

Easily accessible lashing and lifting points for fast and secure transportation.



Petrol



10.5 kW/14 hp



68 cm



90 cm



2.4 cm



30 cm



25 cm

FSI B22

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information



FSI B22 is a handy walk-behind stump cutter with a hydraulic wheel drive for effortless mobility on various terrains or up ramps onto trailers or trucks. The wheel drive is controlled simply by turning a section of the operator handle forward or back. This 68 cm wide, narrow-access stump cutter is equipped with a 14 hp Kohler Command PRO petrol engine with electric key-start, transferring the power to the FSI power-cut cutter wheel by a banded V-belt. With a user-friendly design, FSI B22 incorporates the acknowledged turn-table design and individual wheel brakes for easy operation. The vibration-damped operator handle offers ergonomic comfort and multiple height adjustments to reduce fatigue and improve productivity. For a versatile, reliable, and efficient stump removal experience, the FSI B22 stump cutter is the only choice!

5 FEATURES

Hydraulic wheel drive for effortless mobility on a range of terrains.

Engine electric start.

Turntable design with a balanced pivot point and individual wheel brakes.

Safety bar which stops the cutter wheel when released to increase operator safety.

Easily accessible lashing and lifting points for fast and secure transportation.



Petrol



10.5 kW/14 hp



68 cm



106 cm



2.1 cm



30 cm



25 cm

FSI B28

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information



FSI B28 is an economical stump cutter featuring a reliable petrol engine with electronic fuel injection, delivering power while reducing fuel consumption. Its swing-out operator panel ensures optimal visibility and easy access to all controls, while still allowing travel through narrow gates by swinging in line with the machine when travelling. The hydraulic wheel drive and a mechanical differential lock enhance the machine's mobility and increase traction, making it suitable for a variety of terrains and challenging environments. Built-in hydraulic motor brakes and a counterbalance valve guarantee that the stump cutter will not slip back during grinding. All belts and the strong FSI power-clutch are conveniently located on the outside of the stump cutter, making service a breeze. Customise your experience with optional add-ons such as LED work-lights, FSI power-sweep control system, and twin wheels for greater convenience and functionality.

5 FEATURES

Efficient energy transmission through a robust V-belt drive system with FSI power-clutch.

Hydraulic wheel drive with mechanical differential lock for greater mobility and increased traction.

Complete control of operation from the swing-out operator panel.

Safety bar disengages the cutter wheel when released to increase operator safety.

Easily accessible lashing and lifting points for fast and secure transportation.



Petrol



19.8 kW/26.5 hp



80 cm



149 cm



3.4 cm



84 cm



35 cm

20 B222

30 TR

8 4WVD

28 T25

REMO

50 TRA

FSI B31

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FSI B31 simplifies your stump cutting operations with easy control and no daily maintenance. Its hydraulically driven cutter wheel eliminates the need for V-belt adjustments while a soft-start valve and integrated oil cooler ensure smooth performance and stability even in high-temperature regions. Powered by an efficient petrol engine with electronic fuel injection, a triple-pump setup maximises cutting capacity with minimal power loss. The counter-rotating track undercarriage enhances manoeuvrability and the incredible low centre of gravity ensure stability in all kinds of terrain, while built-in hydraulic motor brakes and counterbalance valve make the stump cutter stay in position even on slopes or while cutting. A swing-out operator panel provides optimal visibility and easy access to all controls, and still allow travel through narrow gates by swinging in line with the machine when traveling.

5 FEATURES

No daily maintenance and elimination of V-belts lower operating costs and workshop time.

Enhanced manoeuvrability and stability with counter-rotating tracks and a low centre of gravity.

Complete control of operation from the swing-out operator panel.

Safety bar disengages the cutter wheel when released to increase operator safety.

Easily accessible lashing and lifting points for fast and secure transportation.



Petrol



19.8 kW/26.5 hp



74 cm



120 cm



3.6 cm



68 cm



40 cm

FSI B38

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information



The FSI B38 family boasts an efficient petrol EFI engine that delivers more torque and improved fuel economy compared to carbureted petrol engines. Its class-leading 217 cm sweep minimises the need for repositioning, while the single-side mounted cutter wheel enables close cuts near fences or obstacles. By retracting the extendable tracks or removing the twin wheels with the loosening of the centre bolt, FSI B38 achieves a class-leading 79 cm width for access through narrow passages or garden gates. Belts conveniently located on the far side of the stump cutter, and the sturdy FSI power-clutch ensure efficient energy transmission and easy belt adjustment. The closed bearing housing removes the need for daily cutter wheel greasing, and FSI power-sweep automatically adjusts cutter wheel sweep speed to reduce engine and drivetrain stress.

5 FEATURES

Efficient energy transmission through a robust V-belt drive system with FSI power-clutch.

Class-leading sweep and work area for increased efficiency and less repositioning.

Choose between several variants tailored to meet your particular business needs.

Easily accessible lashing and lifting points for fast and secure transportation.

Optional dozer blade with extensions (available for 4WD and TRACK models).



Petrol



28 kW/38 hp



79 cm



217 cm



5.7 cm



91 cm



47 cm

FSI B38 2WD



FSI B38 with 2-wheel drive offers an affordable option with all the top-tier features of the FSI B38 product family. Its swing-out operator panel and easily removable twin wheels enable a narrow 79 cm width for easy passage through garden gates. The hydraulic wheel drive with differential lock ensures traction over challenging terrain. The operator panel provides complete control of all functions, while the safety bar ensures the cutter wheel disengages upon release for enhanced operator safety.

FSI B38 4WD



FSI B38 4WD includes features from the 2WD model, but also offers FSI power-drive, a 2-speed ground drive system. This system allows users to choose between 2WD HI for long-distance travel at increased speed or 4WD LOW for enhanced traction during travel over terrain and stump cutting.

FSI B38 4WD REMOTE



FSI B38 4WD REMOTE combines the exceptional manoeuvrability of the 4WD model with the convenience of a full-featured remote control system. This remote control allows for efficient operation while offering an excellent view of the work area. In addition, the machine is fitted a basic operating panel for ease of movement in workshops and when loading onto trailers or trucks.

FSI B38 TRACK



Like FSI B38 4WD REMOTE, the TRACK model is equipped with a remote control system, providing all functions are to hand in stump cutting. A set of counter-rotating tracks offer enhanced manoeuvrability and traction on challenging terrain and can be retracted to allow passage through narrow garden gates.

FSI D30

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information



The FSI D30 stump cutter is a powerful solution featuring an economical diesel engine. This robust machine generates torque at low RPM, minimising noise and increasing operator comfort. Its compact design ensures easy navigation through tight spaces, such as narrow passages or garden gates, providing access to hard-to-reach stumps. Belts conveniently located on the far side of the stump cutter, and the sturdy FSI power-clutch ensure efficient energy transmission and easy belt adjustment. The optional FSI power-sweep control system can be added to further reduce engine and drivetrain stress. The FSI D30 stump cutter tackles even the most challenging stump removal tasks with ease and efficiency.

5 FEATURES

Economical and energy-efficient diesel engine offers torque at low RPM.

Fully serviceable FSI power-clutch cuts maintenance cost and eliminates the need for expensive replacements.

Optional dozer blade with extensions (available for TRACK models).

Easily accessible lashing and lifting points for fast and secure transportation.

Choose between several variants tailored to meet your particular business needs.



Diesel



18.5 kW/25 hp



80 cm



152 cm



3.7 cm



84 cm



35 cm

FSI D30 2WD



The wheeled version of FSI D30 offers hydraulic wheel drive and a mechanical differential lock to enhance the machine's mobility, making it suitable for a variety of terrains. Built-in hydraulic motor brakes and a counterbalance valve guarantee that the stump cutter will not slip back during operation. Its swing-out operator panel and easily removable twin wheels enable a narrow 80 cm width for easy passage through garden gates. The operator panel provides complete control of all functions, while the safety bar ensures the cutter wheel disengages upon release for enhanced operator safety.

FSI D30 TRACK



Equipped with counter-rotating tracks, FSI D30 TRACK offers enhanced manoeuvrability and superior traction across a range of terrains. The retractable tracks, combined with the swing-out operator panel similar to the wheeled version, enable the machine to pass through narrow garden gates without compromising the overview of the work area.

FSI D30 TRACK REMOTE



FSI D30 TRACK REMOTE combines the exceptional manoeuvrability of the TRACK model with the convenience of a full-featured remote control system. This remote control allows for efficient operation while offering an excellent view of the work area. In addition, the machine is fitted a basic operating panel for ease of movement in workshops and when loading onto trailers or trucks.

FSI D60

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information



Boasting a strong and powerful 60 hp diesel FSI D60 is truly a unique stump cutter in the market. Its compact design ensures easy access to tight spaces; simply retract the extendable tracks or remove the twin wheels by loosening the centre bolt to achieve a best-in-class width of just 80 cm. The huge 220 cm sweep minimises repositioning, while the single-side mounted cutter wheel allows for close grinding near fences or obstacles. Say goodbye to daily cutter wheel greasing, thanks to the closed bearing housing, and enjoy reduced engine and drivetrain stress with FSI power-sweep. FSI D60 delivers impressive power at low RPM, keeping noise levels low and operator comfort high. Elevate your stump cutting experience with the full-featured remote control system, further increasing operator comfort while improving operating efficiency and providing the best possible view of the work area.

5 FEATURES

Remote control system increases efficiency and operator comfort.

Economical and energy-efficient STAGE V diesel engine provides high torque at low RPM.

Class-leading sweep and work area increase efficiency and limit repositioning.

Easily accessible lashing and lifting points for fast and secure transportation.

Optional dozer blade with extensions.



Diesel



44 kW/60 hp



80 cm



220 cm



7.2 cm



83 cm



44-47 cm

FSI D60 4WD

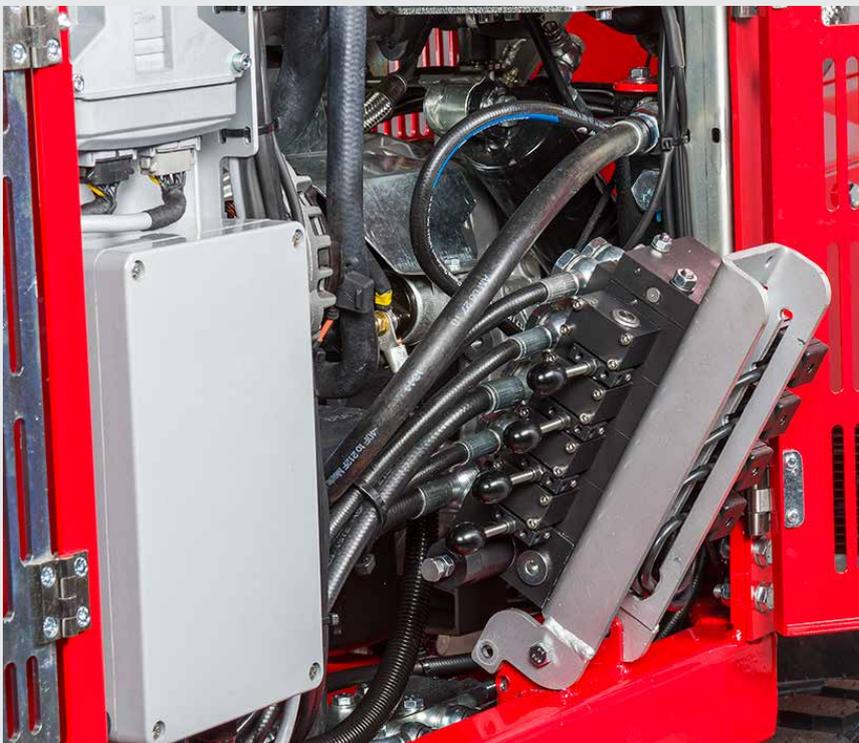


The wheeled FSI D60 version offers FSI power-drive, a 2-speed ground drive system. This system allows users to choose between 2WD HI for long-distance travel at increased speed or 4WD LOW for enhanced traction during travel over terrain and stump cutting. Built-in hydraulic motor brakes and a counterbalance valve guarantee that the stump cutter will not slip back during grinding, providing stability and security for the operator.

FSI D60 TRACK



FSI D60 TRACK is equipped with counter-rotating tracks for improved manoeuvrability and superior traction in challenging terrain. Its larger contact surface evenly distributes the machine's weight, minimising ground damage when traversing delicate surfaces such as lawns or gardens. Featuring two-speed drive motors, the track unit offers FSI power-drive, allowing operators to choose between HI speed for faster movement or LOW speed for enhanced traction capabilities.



Features such as hinged doors provide easy access to components reducing maintenance and workshop time.



A lockable rear compartment stores the remote controller and protects the filling points from unauthorised access.

FSI D74

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information



FSI D74 is an exceptionally efficient stump cutter designed to handle large stumps effortlessly. Its unmatched 735 mm cutter wheel removes more than 12 cm per sweep. With a massive 230 cm sweep, most stumps can be eliminated in minutes without repositioning. This machine features a reliable and powerful 74 hp diesel engine, delivering impressive torque to the cutter wheel via a T-gear and double-sided V-belt drive. For outstanding operator comfort, FSI D74 comes with a full-featured remote control system, allowing for the best possible view of the work area, enhancing visibility, precision, and efficiency. The wide stance ensures stability on slopes and during cutting, while the retractable undercarriage or removable twin wheels enable a slim 89 cm width for navigating tight spaces and garden gates. FSI power-sweep helps reduce fatigue during long workdays by automatically adjusting the sweep speed to maintain optimal engine RPM.

5 FEATURES

Unmatched 12cm cut per sweep delivered by the 735 mm HARDOX cutter wheel.

Full-feature remote control system increases efficiency and operator comfort.

Class-leading sweep and work area increase efficiency and limit repositioning.

Easily accessible lashing and lifting points for fast and secure transportation.

Optional dozer blade with extensions.



Diesel



55 kW/74 hp



89 cm



230 cm



12.3 cm



96 cm



39-50 cm

FSI D74 4WD



Choose between 2WD HI for long-distance travel at increased speed or 4WD LOW for enhanced traction during travel over terrain and stump cutting with FSI power-drive. Built-in hydraulic motor brakes and a counterbalance valve guarantee that the stump cutter will not slip back during grinding, providing stability and security for the operator. Storage compartments in the base frame provide convenient storage of spare parts and remote control when not in use.

FSI D74 TRACK



Counter-rotating tracks provide for excellent traction and manoeuvrability, even in difficult terrain. The large contact surface helps distribute the machine's weight across a large area to limit ground damage. With its two-speed drive motors, FSI D74 TRACK offers FSI power-drive, allowing operators to choose between HI speed for faster movement or LOW speed for enhanced traction capabilities.



FSI D74 rapidly removes stumps thanks to its 735 mm large cutting wheel.



The optional dozer blade eases the process of leveling the ground and refilling after stump removal, leaving a cleaner, more professional-looking work site.

COMPARISON

	ENGINE				DRIVE SYSTEM		DIMENSIONS			
	ENGINE	ENGINE SIZE	COOLING	TANK CAPACITY	GROUND DRIVE	BRAKE	LENGTH	WIDTH	HEIGHT	WEIGHT
PETROL										
FSI B21	Kohler CH440	10.5 kW 14 hp	Air	7 l	-	Hill hold system - 2x individual	1580 mm	680 mm	1230 mm	130 kg
FSI B21	Honda GX390	8.2 kW 11.1 hp	Air	6.1 l	-	Hill hold system - 2x individual	1580 mm	680 mm	1230 mm	135 kg
FSI B22	Kohler CH440	10.5 kW 14 hp	Air	7 l	2WD	Manual - 2x individual	1700 mm	680 mm	1250 mm	210 kg
FSI B28	Kohler ECH749	19.8 kW 26.5 hp	Air	35 l	2WD	Automatic	2720 mm	800 mm	1180 mm	665 kg
FSI B31	Kohler ECH749	19.8 kW 26.5 hp	Air	23 l	Tracks	Automatic	2280 mm	740 mm	1155 mm	660 kg
FSI B38	Kohler ECH980	28 kW 38 hp	Air	40 l	2WD	Automatic	2925 mm	790 mm	1260 mm	840 kg
4WD	Kohler ECH980	28 kW 38 hp	Air	40 l	4WD	Automatic	2915 mm	790 mm	1260 mm	900 kg
4WD REMOTE	Kohler ECH980	28 kW 38 hp	Air	40 l	4WD	Automatic	2915 mm	790 mm	1260 mm	900 kg
TRACK	Kohler ECH980	28 kW 38 hp	Air	40 l	Tracks	Automatic	2900 mm	780 mm	1260 mm	1100 kg
DIESEL										
FSI D30	Kubota 1305	18.5 kW 25 hp	Water	35 l	2WD	Automatic	2730 mm	800 mm	1220 mm	810 kg
TRACK	Kubota 1305	18.5 kW 25 hp	Water	35 l	Tracks	Automatic	2740 mm	760 mm	1220 mm	970 kg
TRACK REMOTE	Kubota 1305	18.5 kW 25 hp	Water	35 l	Tracks	Automatic	2740 mm	760 mm	1220 mm	970 kg
FSI D60	Hatz 3H50TICD	44 kW 60 hp	Water	40 l	4WD	Automatic	2995 mm	800 mm	1395 mm	1250 kg
TRACK	Hatz 3H50TICD	44 kW 60 hp	Water	40 l	Tracks	Automatic	2995 mm	800 mm	1395 mm	1450 kg
FSI D74	Kohler KDI2504TCR	55 kW 74 hp	Water	40 l	4WD	Automatic	3270 mm	890 mm	1525 mm	1725 kg
TRACK	Kohler KDI2504TCR	55 kW 74 hp	Water	40 l	Tracks	Automatic	3270 mm	890 mm	1510 mm	1950 kg

WORK AREA

CUTTING HEAD

FEATURES

ABOVE GROUND LEVEL	BELOW GROUND LEVEL	SWEEP WIDTH	MAX CUTTING DEPTH	DIAMETER	TEETH/QTY	CLUTCH	CUTTER WHEEL DRIVE	REMOTE CONTROL	FSI POWER-SWEEP	FSI POWER-DRIVE
30 cm	25 cm	90 cm	2.4 cm per sweep	386 mm	FSI 21 8 pcs	Centrifugal	V-belt			
30 cm	25 cm	90 cm	2.4 cm per sweep	386 mm	FSI 21 8 pcs	Centrifugal	V-belt			
30 cm	25 cm	106 cm	2.1 cm per sweep	386 mm	FSI 21 8 pcs	V-belt	V-belt			
84 cm	35 cm	150 cm	3.4 cm per sweep	446 mm	FSI 21 8 pcs	FSI power-clutch	V-belt		OPTION	
68 cm	40 cm	120 cm	3.6 cm per sweep	467 mm	FSI 25 8 pcs	-	Hydraulic			
91 cm	47 cm	217 cm	5.7 cm per sweep	581 mm	FSI 25 12 pcs	FSI power-clutch	V-belt		X	
91 cm	47-51 cm	217 cm	5.7 cm per sweep	581 mm	FSI 25 12 pcs	FSI power-clutch	V-belt		X	X
91 cm	47-51 cm	217 cm	5.7 cm per sweep	581 mm	FSI 25 12 pcs	FSI power-clutch	V-belt	X	X	X
91 cm	47-58 cm	217 cm	5.7 cm per sweep	581 mm	FSI 25 12 pcs	FSI power-clutch	V-belt	X	X	X
84 cm	35 cm	150 cm	3.7 cm per sweep	467 mm	FSI 25 8 pcs	FSI power-clutch	V-belt		OPTION	
84 cm	35-40 cm	150 cm	3.7 cm per sweep	467 mm	FSI 25 8 pcs	FSI power-clutch	V-belt		OPTION	
84 cm	35-40 cm	152 cm	3.7 cm per sweep	467 mm	FSI 25 8 pcs	FSI power-clutch	V-belt	X	OPTION	
83 cm	44-47 cm	220 cm	7.2 cm per sweep	581 mm	FSI 25 16 pcs	Mechanical clutch	Bevel gearbox and V-belt	X	X	X
83 cm	44-52 cm	220 cm	7.2 cm per sweep	581 mm	FSI 25 16 pcs	Mechanical clutch	Bevel gearbox and V-belt	X	X	X
96 cm	39-50 cm	230 cm	12.3 cm per sweep	735 mm	FSI 29 28 pcs	Mechanical clutch	Bevel gearbox and V-belt	X	X	X
94 cm	41-46 cm	230 cm	12.3 cm per sweep	735 mm	FSI 29 28 pcs	Mechanical clutch	Bevel gearbox and V-belt	X	X	X

FSI Stump Cutters reserves the right to make changes in engineering, design, and specifications without notice. Dimensions may vary, depending on options and selections.





HYDRAULIC



HYDRAULIC

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information



Increase your excavator's functionality by adding a hydraulic-powered stump cutter attachment, ideal for hard-to-reach areas such as slopes, riverbanks, or behind fences and stone walls. Our range accommodates excavators from 2-20 tonnes (15-160 hp).

Attached to an excavator or similar equipment, all operations, such as sideways and up/down movements, can be easily controlled using the familiar controllers of the excavator. The cutting direction can be adjusted in 45-degree increments at the joint between the unit and the attachment plate. The stump cutters come with an uncoated top plate, allowing for welding on a suitable attachment. A wide selection of tool attachments is optionally available upon request.



Please note: FSI hydraulic stump cutters require a free flow return connection.



Heavy-duty piston motors simplify construction and remove the need for V-belts.



A floating motor bracket with integrated vibration absorbers reduces strain on the construction.

FSI H20



2.5 cm per sweep



2 - 3.5 ton



12-22 kW
15-30 hp



30-50 l/min
max 250 bar

FSI H40



5.2 cm per sweep



3-7 ton



18-31 kW
25-42 hp



50-75 l/min
max 250 bar

FSI H52



6.1 cm per sweep



8-14 ton



29-48 kW
40-65 hp



80-110 l/min
max 300 bar

FSI H65



8.2 cm per sweep



12-20 ton*



55-118 kW
75-160 hp*



100-200 l/min
max 350 bar*

*Covered by 3 variants.

HYDRAULIC

WITH SWEEP

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Maximise the versatility of your loader or tool carrier by adding a stump cutter as a tool, allowing stump removal in hard-to-reach areas. Two hydraulic cylinders and an adjustable flow valve ensure a stable sideways sweep controlled either directly from the tool carrier's controls or by an electronic switch box. The stump cutters come with an uncoated back plate, allowing for welding on a suitable attachment. A wide selection of tool attachments is optionally available upon request.

Please note: FSJ hydraulic stump cutters require a free flow return connection.



If required, the hydraulic flow rate for the sweep can be adjusted to accommodate various levels of wood hardness.



For 3-hose tool carriers, the stump cutter's sweep is operated by an electronic switch, fitted a magnet for convenient positioning near the operator.



Select 3 or 5-hose connection to fit your tool carrier's specification. With 5-hose connection the sweep is operated directly from the tool carrier controls.

FSI H20S



2.5 cm per sweep



2.0-3.5 ton



12-22 kW
15-30 hp



30-50 l/min
max 250 bar



94 cm

FSI H40S (50-75)



5.2 cm per sweep



2.0-3.5 ton



18-31 kW
25-42 hp



50-75 l/min
max 250 bar



118 cm

FSI H40S (80-110)



5.2 cm per sweep



2.0-3.5 ton



29-48 kW
40-65 hp



80-110 l/min
max 250 bar



118 cm

DEL-PIN AND FSI – A LONG-TERM COLLABORATION



“WE DON’T JUST TEAM UP WITH ANY SUPPLIER. WE WANT A SUPPLIER WHO IS RELIABLE, TRUSTWORTHY AND HAS A HIGH LEVEL OF EXPERTISE WITHIN THE FIELD”

CHRISTEN KJÆR
FINANCIAL MANAGER
DEL-PIN

Founded in 1950, Del-Pin has a long and proud history of renting out quality machines for construction workers, landscape gardeners as well as DIY enthusiasts, and when it comes to their machines, only the best will do.

A COLLABORATION THAT STRETCHES BACK YEARS

Del-Pin’s headquarters is located in Sønderborg, but the company has 9 other locations across southern Denmark employing around 60 people in total. Del-Pin has purchased stump cutters from FSI for their

rental company since 2007, and today the company has more than 20 FSI stump cutters in its fleet.

Back in 2007 when Del-Pin decided to add FSI's stump cutters to their product range, the quality and durability of the machines was obviously important. Equally important however to Del-Pin was the ability to receive a high level of service when needed.

"It was a natural choice to team up with FSI and add their stump cutters to our range of machines. Being located so close to FSI geographically is a huge advantage for us, as we quickly can get in personal contact with them and even stop by and have a look at their machines ourselves or pick up spare parts when needed", says Christen Kjær, Finance Manager at Del-Pin.

UPDATE

Between this interview and going to print, Del-Pin A/S, has been acquired by Renta A/S, the Danish branch of the international rental company with its head office in Finland.

Del-Pin A/S is now part of the Renta group with 15 locations in Denmark and more than 150 depots across Northern Europe and the Baltic Sea region.



SPECIFIC REQUIREMENTS FOR RENTAL MACHINES

When renting out machines such as stump cutters, Del-Pin must live up to several requirements as part of DRA (Danish branch of the European Rental Association) – for example the machines must carry CE marking and come with a Danish user manual. In addition, it is a huge benefit when rental machines are easy to use and navigate – also for people who may not have much experience with stump cutting themselves.

"FSI's stump cutters meet all the requirements from DRA and ERA, and when we rent out these stump cutters, we only get positive feedback. The stump cutters are easy to use – even for people who are not used to these kind of machines – and to us, that is a clear sign that the machines have been thoroughly tested down to the smallest detail by FSI", says Christen Kjær.

WHEN GREAT SERVICE AND HIGH EXPERTISE COME TOGETHER

Since day one, the close and personal contact as well as the high level of expertise and technical knowledge has been a key point in the collaboration between Del-Pin and FSI.

"Whenever we contact FSI, the service level is top-notch. There is no waiting around, and the issue is always resolved efficiently. With their high level of expertise and broad knowledge, they are quickly able to get to the root cause of the issue and provide the necessary support, ensuring that we can rent out the machine again in no time", explains Christen Kjær.

It is safe to say that when it comes to their rental machines, Del-Pin only want the best of the best – high quality, efficient and user-friendly stump cutters that get the tough work done for their customers.

"We don't just team up with any supplier. We want a supplier that is reliable, trustworthy and has a high level of expertise within the field. And that's exactly what we can always count on with FSI", concludes Christen Kjær.





TRACTOR



TRACTOR

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information



FSJ tractor-mounted stump cutters are ideal for land-clearing projects, removing stumps in orchards, municipal work in parks or along pathways and roads. Leveraging the tractor's power and all-terrain capabilities, these stump cutters efficiently remove multiple stumps in a short time, making them perfect for high-volume jobs in open-access areas.

To use the stump cutter, simply connect it to the tractor's 3-point linkage and attach the shaft to the PTO. All functions are controlled via the joystick provided, which can be mounted on the tractor or tool carrier using the bracket included.



Hydraulic and electrical connectors are included and clearly marked for correct handling



Adjust the sweep-rate to fit the hydraulic flow of your tractor and the hardness of the stump.



All functions are within fingertip reach with the multi-directional joystick.

FSI T25



FSI T25 is an economical stump cutter for smaller, category 1 tractors. With a hydraulic toplink that tilts the stump cutter to extend the reach, there is limited need to reposition the tractor during operation.

4.8 cm per sweep	35 cm	40 cm
35 l/min	19-41 kW 25-55 hp	108 cm

FSI T27



For tractors with category 1 or 2 FSI T27 offers hydraulic extension and height-adjustable support legs. Along with a large sweep range this stump cutter is suitable for typical requirements in this segment.

5.1 cm per sweep	40 cm	40 cm
35 l/min	27-60 kW 35-80 hp	140-175 cm

FSI T65



With hydraulic lift of the arm, extension/tilt of the cutting head and an adjustable chip guard FSI T65 offers an extremely efficient tool for stump removal. Available for category 2 tractors between 70-120 hp.

8.2 cm per sweep	60 cm	50 cm
90 l/min	53-90 kW 70-120 hp	140-220 cm

FELIXIA BANCK – OUR FSI AMBASSADOR



“FOR ME, IT IS HUGE TO HAVE THIS KIND OF SUPPORT, AND IT WILL WITHOUT DOUBT HELP ME ACHIEVE MY DREAMS”

FELIXIA BANCK
TIMBERSPORTS ATHLETE

At FSI Stump Cutters, we are proud to have Felixia Banck as our ambassador. Not only has she proven what hard work and a positive mindset can do, but with her high ambitions she is now climbing her way to the top within Timbersports and paving the way for more women to join her. But it was not always part of the plan for Felixia Banck to end up as either a tree surgeon or a Timbersports athlete on the Danish national team. Nonetheless, when her life was turned upside down, she decided to try something new and explore her love for nature.

A NEW START AMONG THE TREES

When both Felixia's parents passed away within a short period of time, she had to close down her photography business and unfortunately, she was not able to start it up again. She therefore had to rethink her whole life and with a positive mindset, she decided to sign up for training as Forestry and Nature Technician. On the first day of training, she was handed a power saw, and then there was no turning back - she was hooked. Later during her apprenticeship, Felixia learned to climb the trees as well.

"I have worked as a tree surgeon— or a climbing tree carer – for three years now, and I absolutely love it. It might not have been the plan from the beginning, but now I couldn't imagine doing anything else. In April 2022, I decided to start my own one-(wo)man business, Smileaf, and it's going really well", says Felixia.

A WOMAN IN A MAN'S WORLD

Alongside Felixia's work as a tree surgeon, she has another great passion – Timbersports – a sport dominated by men, and at the world championships in Stihl Timbersports in October 2022 in Gothenburg, Felixia was the first woman ever to participate as part of a national team.

"At first, it was nerve-wracking to enter a sport so heavily dominated by men who physically by nature are stronger than women, but I also quickly realised that there is a lot of technique involved in the sport. I would say that it is 80% technique and 20% power", Felixia explains.

But for Felixia, the ambitions do not stop here, and the goal is clear. Within the next two years, she wants to be among the ten best women in Timbersports and compete in the US, Canada, and Australia with the best of the best. An ambitious goal, but not an unrealistic one, according to Felixia.

"I want to show what we are capable of here in Europe – that we can compete among the best Timbersports athletes in the world – also in the women's league. It is an ambitious goal for sure, and it requires a lot of hard work, but that is also what makes it so exciting. And to me, it is a realistic goal because I want it so, so much", says Felixia.

CLIMBING HER WAY TO THE TOP

The way to the top can be long and hard – especially when you run your own business at the same time. That's why FSI Stump Cutters support Felixia to help her achieve her dream of competing among the best within Timbersports.

"The support from FSI means the world to me. Recently, I went on a training camp in Canada where FSI supported me financially, and they have also helped me get a new, improved singlebuck saw. For me, it is massive to have this kind of support, and it will without doubt help me achieve my dreams", says Felixia. FSI is happy to partner with Felixia, supporting her all the way to the top while she paves the way for more women to enter the world of Timbersports.

"From our very first meeting, I knew that Felixia was extremely ambitious and passionate about her work and sport – something we can really relate to. She is a tough woman with great values and a straightforward mindset, fitting right into the FSI mentality. We are proud to sponsor Felixia – regardless of her podium position – because to us, good values and hard work should always be celebrated", says Kim Schmidt, COO and Partner at FSI Stump Cutters.



INDICATIVE CUT TIMES

The following table indicates the time taken to remove a 15 cm high stump, cutting it down 15 cm below ground level.

The capacity of the hydraulic-driven and tractor-driven stump cutters is based on a medium-sized tool carrier, excavator or tractor according to the recommended power requirements.

	Ø40 CM	Ø65 CM	Ø105 CM
ENGINE			
FSI B21	12 min	25 min	90 min
FSI B22	10 min	20 min	70 min
FSI B28	7 min	15 min	40 min
FSI B31	8 min	16 min	45 min
FSI B38	5 min	10 min	28 min
FSI D30	6 min	12 min	35 min
FSI D60	4 min	7 min	18 min
FSI D74	3 min	6 min	15 min
HYDRAULIC			
FSI H20 // H20S	25 min	30 min	100 min
FSI H40 // H40S	12 min	25 min	75 min
FSI H52	7 min	18 min	45 min
FSI H65	3 min	6 min	15 min
TRACTOR			
FSI T25	8 min	15 min	45 min
FSI T27	6 min	12 min	35 min
FSI T65	3 min	6 min	15 min

STAY CONNECTED

At FSI, our commitment to your success extends beyond manufacturing. We are dedicated to designing reliable, efficient, and powerful stump grinders – all fuelled by a sole purpose: your success.

We're all about showing off our partners and operators - the ones who handle and work with FSI Stump grinders. Every satisfied customer, every stump removed, every finished project is a success story that drives our passion.

Join us! Share your experiences with FSI's stump cutters in the field. We love to see our machines in action!

FOLLOW US



SHOW US WHAT YOU'VE GOT!

Share your moments with **#fsistumpcutters**, share a product like **#FSIB22** and tag your stump grinder **@fsi.dk**

CAPTURE, SHARE, AND INSPIRE WITH YOUR FSI STUMP CUTTER



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