

JOW factory



force strength intelligence

Day or Night always ready

> Number 1 wide range of power

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Several reasons for stump cutting

A stump attracts rubbish

SCHENKER



A stump does not look nice

A stump could be dangerous for road users damage machines such as: Mowers, snow blades etc.



Avoid unhealthy fungi and weeds



Avoid danger this was 11 hours of heavy work and a lot of clean up and waste



Increased risk for damaging cables when excavator working so deep

25 years later still annoying also when mowing the lawn



Table of content

SCHENKER

TTT-TTTTTTTTTT

28 100

Tractor pto drive

• ST 27 T4
• ST 65 T5

Walk behind

• ST 20 B 6-7

Self propelled

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Excavator hydraulic drive

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• ST 65 H1	3

Mini loader hydraulic drive

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How a stump cutter works

Here explanations and details about the fundamental way of cutting for all models. Teeth placed on both sides of the disc <u>cut</u> the stump. Various teeth placement on the disc enables the cutting size.

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Stump size: Diameter = 40 cm Height above ground = 15 cm Cutting below ground = 15 cm

8 minutes later

27 E

577

276

This end user does 3 stumps like above per hour with his ST 27 H and mini loader



	(15 cm above ground + 15 cm below ground)	
ST 27 T	6 min 12 min35 min	
ST 65 T		
ST 20 B	12 min 25 min90 min	
ST 27 B		
ST 27 D		
ST 65 D		
ST 20 H + 🖲 HS	18 min 30 min 100 min	
ST 27 H + 🖲 HS	12 min 25 min75 min	
• ST 50 H + • HS		
ST 65 H + • HS		

Above figures based on experiences from end users may vary according to tree sort, soil type, oil capacity, operator etc.

Tooth speed 150 km/H Easy regulation of speed of the hydraulic movements Standard ST 27 T and ST 65 T

Stump cutting time on page 3

Coll B

<u>ST 27 T</u>

Power required	25-60 HP (20-45 KW)
PTO (included)	540 rpm
Hydr. connection1	double or single + return
Oil flow ma	x 35 L/min (max 180 bar)
Cutting disc w/teeth	ø 470 mm
Teeth number (ø size)	20 (20,5 mm)
3 movementsat	oove/below 400/400 mm
	oove/below 400/400 mm width 1400-1750 mm
all controlled	width 1400-1750 mm
all controlled	
all controlled from tractor cab	width 1400-1750 mm
all controlled from tractor cab Machine size: Height	width 1400-1750 mm length 300 mm
all controlled from tractor cab Machine size: Height Length*width	width 1400-1750 mm length 300 mm 1200 mm

Operation handles for placement III in tractor cab



Support legs are height adjustable for both ST 27 T and ST 65 T

Option for ST 65 T getting closer but still safe and easy

All Statutes

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<u>ST 65 T</u>

Power required70-100 HP (50-75 KW)
PTO (included)540 rpm
Hydr. connection1 double or single + return
Oil flow max 90 L/min (max 180 bar)
Cutting disc w/teeth Ø 720 mm
Teeth number (ø size) 28 (28,0 mm)
4 movementsabove/below 600/500 mm
all controlledwidth 1400-2200 mm
from length 650 mm
tractor cab lift/lowering guard
Options: Door operating closer
Remote controlelectric control box
Machine size: Height 1700 mm
Length*width 3200*1520 mm

Option for ST 65 T electric remote control and electric valve block





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Result

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Easy stump cutting

80 cm.

Ball bearings ease the work Wheels do <u>not</u> move

80 cm.

No operator force to make this movement

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18 min.

Ball bearings between stump cutter and wheel chassis



Cutting above/below ground 300/200 mm

Typical cut size

Easy to move forward when material building up ∠

Just release one brake \rightarrow

Then twist left

Handy ergonomic and adding much forward power

2nd wheel if hindrance just do it opposite absorber 4 pcs.

← Rubber vibration

ST 20 B

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Engine	petrol 13 HP (9,5 KW)
Honda	GX 390
Fuel tank	6,1 L (≈ 3 hours work)

Cutting disc w/teethø 370 mm Teeth number (ø size) 8 (17,5 mm) Cutting start/stop centrifugal clutch V-belts1 double power Wheels 2.....ø 365*100 mm 6 ply

Machine size: Height	1100 mm
Length*width	1800*700 mm
Weight	125 kg

Standard balanced

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lifting point



THAT COLORS

Very high level of professional power and technology

MANAGEMENT

fsi

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Goes

every

where

57 65 D

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Extremely big cutting width 2000 mm

> Cutting height/below ground 600/400 mm

Very large cutting size (more explanation page 3)

Conservational advantation

Storage box both sides

4 WD and vertical pendling

Width 1400 mm without twin wheels only 890 mm

Extremely big cutting width 2000 mm no unnecessary moving around

Radio or cable remote control



<u>ST 65 D</u>

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Cutting disc w/teethø 720 mm
Teeth number (ø size)28 (28,0 mm)
Cutting width speed proportional
Cutting start/stop manual clutch
V-belts 3 + 3
Remote control5 m electric cable
Optionradio remote control
4WD4 hydraulic wheel motors
Wheels 4+2 Ø 450*210 mm 10 ply
Diff lock remote controlled
Size: Height*length1375*3175 mm
Width1400/890 mm w/out twin
Weight 1350 kg

Digging above stump was more than **5 hours** of work lots of up digging a very big hole and a 3 ton stump with roots to waste.

Stump cutting with this professional heavy duty powerful machine would only have been **15 min.** and just chips to recycle.



Safety stop

Storage box

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Hour mete

ST 27 B

Safety for opertator less dirt on machine Above ground cuttin 600 mm

Typical cut size

330 mm ST 27 B

Engine...... petrol 2 cyl. 27 HP (20 KW)

Kohler Command Pro., air cooled

Fuel tank...... 26 L (≈ 8 hours work)

Cutting disc w/teethø 470 mm Teeth number (ø size)..... 18 (20,5 mm) Cutting width speed adjustable

Cutting start/stopelectric clutch

V-belts2 power and 3 maintain free

2WD wheels 400*170 mm 8 ply Hydr. steering wheels400*100 mm

Length*width2600*880 mm

Weight 600 kg

Below ground cutting

Turf care tyre

Extra good view position for operator

Swing able control bar

Horizontal placement of engine so always optimal lubrication

and taking

Turn table provides wide movements

operator choses position

ST 27 B

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Very big cutting width 1350 mm. no unnecessary moving around

Easy passage





Typical cut size



Safety for operator less dirt on machine

> Very big cutting width <u>1350 mm</u> intensive cutting work

> > Station of

Cutting above ground

ST 27 D

Storage box

> good position for operator

2WD wheels	. 400*170 mm 8 ply
Hydr. steering wheel	s400*100 mm
Machine size: Height	t1100 mm
Length*width	3000*880 mm
Weight	700 kg

6 min. and 15 seconds and only 2 minuets left Behind operation w/swing able control bar

Cutting below ground 330 mm

w/twin wheels (option) the width is 1350 mm without only 880 mm Easy and safe lifting device (option)





ST 27 H

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Advantage of cutting versus digging:

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Cutting is much faster than extensive digging.

No heavy material to waste, as the chips can be spread on the spot.

The earth around the stump remains untouched and with intact humus.

Planting holes can be cut in the right depth, so no stratum mix of earth and no drying up below new plant ST 20 H

Digging this stump took more than 5 hours lots of up digging a large hole and a 3 ton stump with roots to waste.

Stump cutting would have been 1 to 1¼ hour and only chips to recycle.

ST 50 H

	ST 20 H	ST 27 H	ST 50 H
Excavator size	1,5 – 2,5 ton	3 – 7 ton	8 – 14 ton
Power required	15-25 HP	20-35 HP	35-70 HP
	12-20 KW	15-25 KW	25-50 KW
Oil flow (max 250 bar)	30-45 L/min	40-60 L/min	80-130 L/min
Hoses*quick couplers			3*non
Pressure free to tank	2nd hose	3rd hose	3rd hose
Cutting disc w/teeth	ø 370 mm	ø 470 mm	ø 570 mm
Teeth number (ø size)	12 (17,5 mm) 1	8 (20,5 mm)	20 (20,5 mm)
Machine size: Height	475 mm	600 mm	725 mm
Length*width	600*500 mm8	00*650 mm1	050*650 mm
Weight	70 kg	125 kg	200 kg

Unpainted top plate is standard for fitting on an attachment device



ST 65 H

Excavator size	12 – 20 ton			
Oil flow (max 350 bar)	. 100-130 L/min			
Oil flow (max 350 bar)	. 135-160 L/min			
Oil flow (max 350 bar)	. 165-200 L/min			
3 hoses (2*1") and quick couplers not included				
3rd hose (½") always pressure fre	ee to tank			
Cutting disc w/teeth	ø 720 mm			
Teeth number (ø size)	28 (28 mm)			
Machine size: Height	905 mm			
Length*width	1100*720 mm			
Weight	500 kg			
Unpainted top plate is standard for fitting on an				
attachment device				

Pure power

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Standard all models (ST 20 HS to ST 65 H) The unit is quickly turned manually via bolts. Cutting in this case by <u>arm</u> for- and backwards. Turned 90 degrees by <u>turning</u> sidewards.

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ST 65 H

Using the **articulated steering** of the mini loader for swinging, the cutting is easily controlled. In this case the full width is no problem.







All models can be turned 180°, if better view this way

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ST 27 H

	ST 20 H	ST 27 H	ST 50 H	
Oil flow (max 250 bar)	30-45 L/min	.40-60 L/min	. 80-130 L/min	
Hoses*quick couplers			3*non	
Pressure free to tank	2nd hose	3rd hose	3rd hose	
Cutting disc w/teeth	ø 370 mm	ø 470 mm	ø 570 mm	
Teeth number (ø size) 12 (17,5 mm) 18 (20,5 mm) 20 (20,5 mm)				
Unpainted plate is standard for fitting on an attachment device				

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HS is with swing cylinders, cutting is operated from electric control box or loader joystick

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ST 27 HS

	ST 20 HS	SI 27 HS	ST 50 HS	
Oil flow (max 250 bar)	. 30-45 L/min	40-60 L/min	80-130 L/min	
Hoses*quick couplers			3*non	
Pressure free to tank	2nd hose	3rd hose	3rd hose	
Cutting disc w/teeth	ø 370 mm	ø 470 mm	ø 570 mm	
Teeth number (ø size)	12 (17,5 mm)	18 (20,5 mm)	20 (20,5 mm)	
Unpainted plate is standard for fitting on an attachment device				

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Roadside stump cutting saves time on grass mowing, eliminates danger for road users and damage to mower and then it looks good.





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Company goal:

Developing, designing, manufacturing, testing and selling stump cutters. Offering professional quality machines and know how. We are highly dedicated to this issue 365 days a year. The range of machines is sold world wide.

In addition for all machines:

- Very easy to operate
- Low wear and easy maintenance
- Detailed quality in selection of components, powder paint etc.

Number 1 vide range of power

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Dealer:

Importer: