fsi power tech

force
strength
intelligence

Number 1
wide range of power

Several reasons for stump cutting

Attracts rubbish

Doesn't look nice

Potentiallt dangerous for road users as well as for lawn mowers, snow ploughs etc.

Avoid unhealthy fungi and weeds

Avoid danger this stump required 11 hours of hard work and cleaning up

Increased risk for damaging cables due to the working depth of the excavator

Still in the way after 25 years

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- ST 20 HS 15
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- ST 50 HS 15

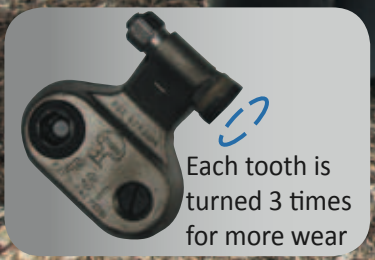
Company 16

Cutting times for a stump with a diameter:

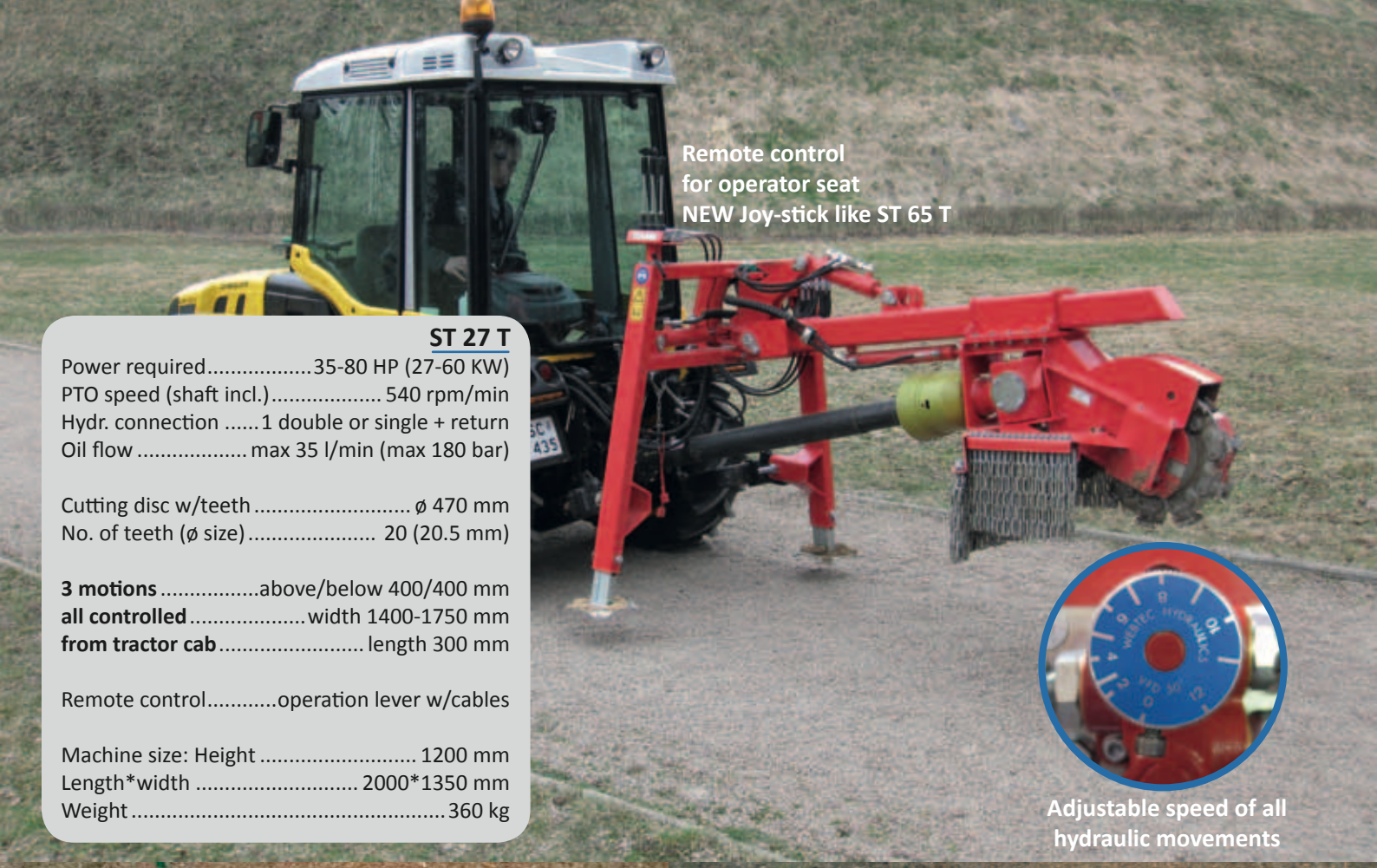
	ø 40 cm	ø 65 cm	ø 105 cm
	(15 cm above ground + 15 cm below ground)		
ST 27 T	6 min	12 min	35 min
ST 65 T	3 min	6 min	15 min
ST 20 B	12 min	25 min	90 min
B30-470 2WD	8 min	15 min	45 min
D30-470 2WD	6 min	12 min	35 min
D67-720 4WD	3 min	6 min	15 min
ST 20 H + HS	18 min	30 min	100 min
ST 27 H + HS	12 min	25 min	75 min
ST 50 H + HS	7 min	18 min	45 min
ST 65 H + HS	3 min	6 min	15 min

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

Teeth are fixed in different depths to enable the cutting depth



Each tooth is turned 3 times for more wear



Remote control
for operator seat
NEW Joy-stick like ST 65 T

ST 27 T

Power required.....35-80 HP (27-60 KW)
PTO speed (shaft incl.)..... 540 rpm/min
Hydr. connection .....1 double or single + return
Oil flow ..... max 35 l/min (max 180 bar)

Cutting disc w/teeth ..... ø 470 mm
No. of teeth (ø size)..... 20 (20.5 mm)

3 motions .....above/below 400/400 mm
all controlled.....width 1400-1750 mm
from tractor cab..... length 300 mm

Remote control.....operation lever w/cables

Machine size: Height ..... 1200 mm
Length*width ..... 2000*1350 mm
Weight.....360 kg

Adjustable speed of all
hydraulic movements

Logic control with electric/ hydraulic joy-stick

Adjustable swing speed in proportion to situation and experience

ST 65 T

Power required.....70-120 HK (53-90 KW)
PTO speed (shaft incl.).....540 rpm
Hydr. connection .....1 double or single + return
Oil flow ..... max 90 l/min (max 180 bar)

Cutting disc w/teeth ..... ø 720 mm
No. of teeth (ø size) ..... 28 (28.0 mm)

4 motions .....above/below 600/500 mm
all controlled .....width 1400-2200 mm
from..... length 650 mm
tractor cab..... lift/lowering guard

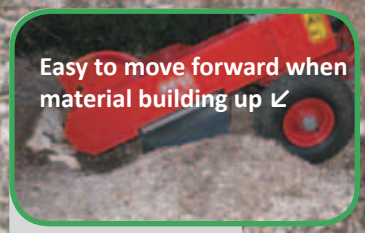
Remote control..... joy-stick electric/hydraulic

Machine size: Height ..... 1700 mm
Length*width ..... 3200*1520 mm
Weight .....700 kg

Easy stump cutting

Typical cutting ratio

Cutting above/below ground 300/200 mm



Easy to move forward when material building up ↙

Simply release one brake → The free wheel is twisted to the desired position, brake the wheel and repeat the procedure with the opposite wheel. Wheel brakes ease the foreward motion.

← Rubber vibration absorber 4 pcs.

ST 20 B

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

Cutting disc w/teeth.....ø 370 mm
No. of teeth (ø size)..... 8 (20.5 mm)
Cutting start/stop ..... centrifugal clutch
V-belts .....1 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

lifting point

Drawbar (option) moving fast from job to job

Cutting height: 600 mm depth: 400 mm

Reaches as much as 2000 mm in cutting width no unnecessary moving around

Goes everywhere

4WD with diff. lock

Power light

Storage box on both sides

Width 1400 mm with twin wheels
Width 890 mm without twin wheels.

State-of-the-art power and technology

It took as much as 5 hours to remove this stump and produced plenty of waste, a large hole and a 3 ton root/ stump.

With the D67-720 this process would have lasted 15 minutes and the only thing left would have been a mix of wood chips and dirt.

Radio or cable remote control

Easy also at transport

D67-720 4WD

Engine..... diesel 4 cyl. 67 HP (50 KW)
Lombardini .....LDW 2204/T, water cooled
Fuel tank..... 40 l (≈ 15 hours' work)

Cutting disc w/teeth .....ø 720 mm
No. of teeth (ø size) .....28 (28.0 mm)
Cutting width speed .....proportional
Cutting start/stop ..... manual clutch
V-belts ..... 3 + 3

Remote control.....5 m electric cable
Option .....radio remote control
4WD.....4 hydraulic wheel motors
Wheels 4+2..... ø 450*210 mm 10 ply
Diff lock.....remote controlled

Size: Height*length.....1375*3175 mm
Width.....1400/890 mm w/o twin
Weight ..... 1350 kg

B30-470 2WD

Engine..... petrol 2 cyl. 30 HP (22,4 KW)
Kohler ..... Command Pro. air cooled
Fuel tank..... 35 l (≈ 6.5 hours work)

Cutting disc w/teeth .....ø 470 mm
No. of teeth (ø size) ..... 18 (20.5 mm)
Cutting width speed ..... adjustable
Cutting start/stop .....electric clutch
V-belts ..... 2 power and 3 maintain free

2WD wheels ..... 440*180 mm 8 ply
Hydr. steering wheels .....410*110 mm

Options:
Working light ..... power LED w/switch
Twin wheels.....width + 370 mm
Certified lift..... straps+hooks etc.

Machine size:
Height.....1210 mm
Length*width .....2700*800 mm
Weight ..... 600 kg

Reaches 1350 mm in cutting width

Quick attach and removal of twin wheels just 1 center bolt

Light w/switch on control bar

D30-470 2WD

Engine..... diesel 3 cyl. 30 HP (21,7 KW)
Kubota ..... D1305-E3B, water cooled
Fuel tank..... 35 L (≈ 10 hours' work)

Cutting disc w/teeth .....ø 470 mm
No. of teeth (ø size) ..... 18 (20.5 mm)
Cutting width speed ..... adjustable
Cutting start/stop .....electric clutch
V-belts ..... 2 power and 3 maintain free

2WD wheels ..... 440*180 mm 8 ply
Hydr. steering wheels .....410*110 mm

Options:
Working light ..... power LED w/switch
Twin wheels.....width + 370 mm
Certified lift.....straps+hooks etc.

Machine size:
Height .....1220+380 mm
Length*width .....2700*800 mm
Weight ..... 725 kg

Full operation from control panel, clear operator view

Stump cutting
time on page 3

Advantage of cutting versus digging:

Cutting is much faster than extensive digging.

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

The area surrounding the stump remains untouched and with intact humus.

Planting holes can be cut to the right depth, avoiding stratum mix of earth and drying up below new plants.

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 could have been done in 45 min. to 75 min. with only chips to recycle.

	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 12-20 KW	20-35 HP 15-25 KW	35-70 HP 25-50 KW
Oil flow (max 250 bar)	30-45 L/min	40-60 L/min	80-130 L/min
Hoses*quick couplers	2*½”	3*½”	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
No. of teeth (ø size)	12 (20.5 mm)	18 (20.5 mm)	20 (20.5 mm)
Machine size: Height	475 mm	600 mm	725 mm
Length*width	600*500 mm	800*650 mm	1050*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 free to tank

Cutting disc w/teeth	ø 720 mm
No. of teeth (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

Standard all models (ST 20 HS to ST 65 H)
The unit is quickly turned manually via bolts.
Forewards and backwards cutting with the jip.
Sidewards cutting by turning the unit 90 degrees.

Articulated steering of the mini loader allows for easily controlled cutting. In this case, the full width is no problem.

All models turn 180° to facilitate full and comprehensive view.

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	2*½”	3*½”	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
No. of teeth (ø size)	12 (20.5 mm)	18 (20.5 mm)	20 (20.5 mm)

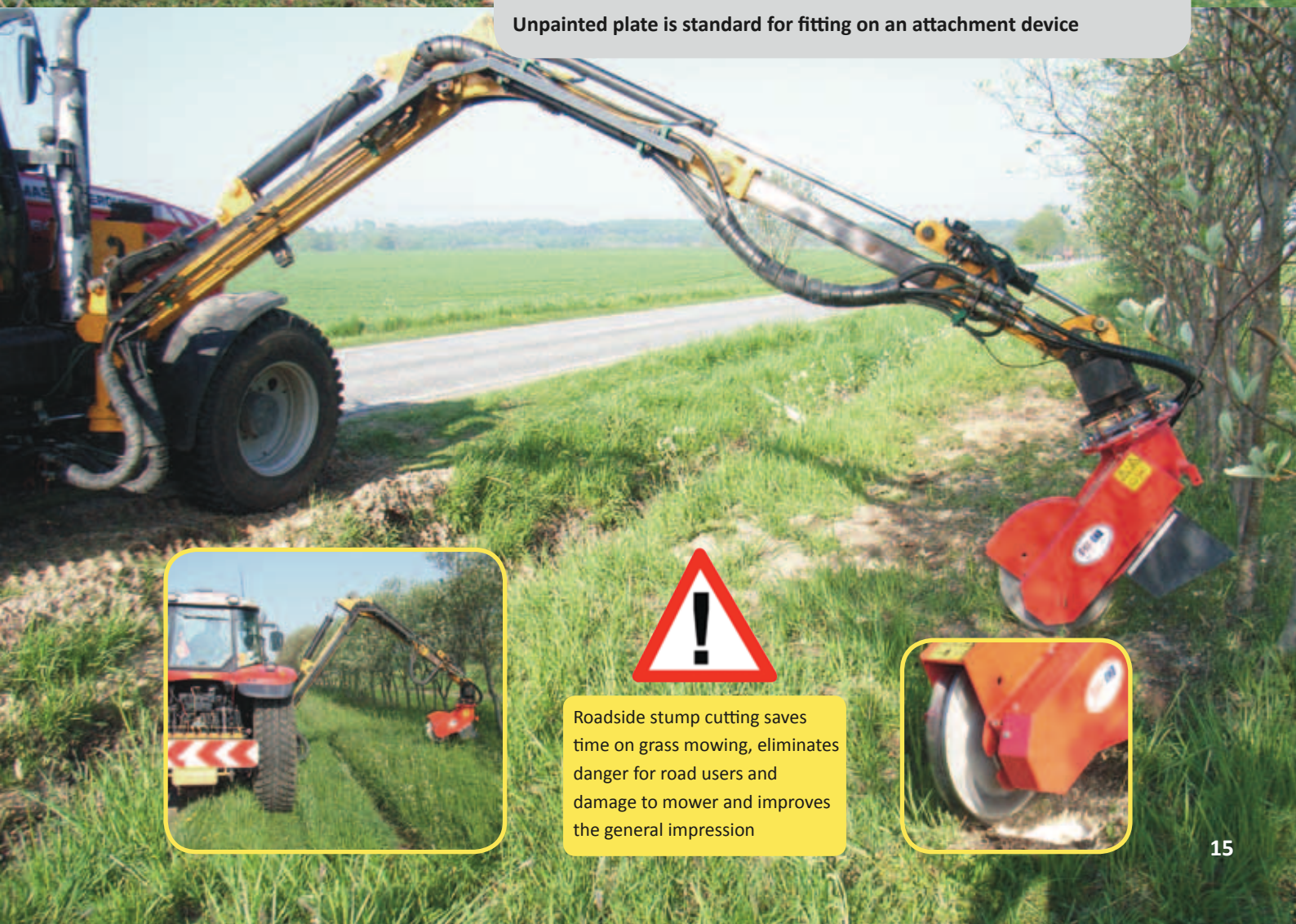
Unpainted plate is standard for fitting on an attachment device

ST 27 HS

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

	ST 20 HS	ST 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	2*½”	3*½”	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
No. of teeth (ø size)	12 (20.5 mm)	18 (20.5 mm)	20 (20.5 mm)

Unpainted plate is standard for fitting on an attachment device



Roadside stump cutting saves time on grass mowing, eliminates danger for road users and damage to mower and improves the general impression

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Company strategy:
Development, design, production, test and sale of stump cutters.
100% focus on stump cutter technology 365 days a year.
Know-how and experience within this niche is shared with dealer and end-user.

The following characterizes all our products:
• Easy to operate • Minimum wear • Low maintenance
• Selective choice of components, powder lacquering etc.

The wide range of professional quality machines are sold worldwide.

Dealer:

Importer:

force
strength
intelligence

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