

PTO-driven machines



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PTO-driven machines

Table of Contents

schliesing quality	3
105 ZX	4
175 ZX	5
200 ZX	6
235 ZX	7
400 ZX 270°	8
550 ZX	9
WhisperCut®	10
SAFEchip / PowerGrip Feed Rollers	11
Overview	12–13
Contact/Imprint	14–15



schliesing®

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schliesing Quality



Quality, safety and innovation: for more than 30 years we have been manufacturing high-quality wood chippers for professional uses in gardening and landscaping, for cities and communities, as well as for companies active in the fields of agriculture, forestry and tree care. All machines are produced at our company's registered office in Kempen on the Lower Rhine: 100% Made in Germany! Always true to our motto: **Made by professionals for professionals!**

PRECISION FOR PROFESSIONALS



- Best in quality, in design, manufacturing and service
- Selection of our suppliers based on the most stringent criteria
- Preservation of our know-how for the future by qualifying young people in our own factory
- Highest emphasis on work safety (e. G. SAFEchip and WhisperCut®)
- 100% Made in Germany

WHISPERCUT®



- Patented cutting system with V-shaped blade positions, proven in the field for many years
- Reduction of the sound pressure level by up to 30%
- Service life extension of the blades by up to 40%
- Safer, more uniform feeding characteristics as compared to conventional blade systems
- WhisperCut® optionally available for nearly all schliesing wood chipper models

PARTNERSHIP AND SERVICE








- European-wide dealer network for service, maintenance and repairs
- Frequent demonstrations of our machines as well as permanent training of our employees, dealers and suppliers
- Guaranteed spare parts' availability for a period of 10 years from date of purchase
- Prompt spare parts' delivery (standard parts ordered by 14:00 hours will be dispatched on the same day)
- Simple and optimised maintenance of the machines

LOW TOTAL COST OF OWNERSHIP



- Sturdy, high-quality machine design resulting in very little down times
- Long service life and intrinsic value of schliesing machines
- Simple, quick and safe replacement of blades and other wear parts
- Systems to reduce wear parts' consumption (blades in particular)

105 ZX

	Wood diameters of up to	13 cm
	Feed width	200 mm
	Weight	ca. 440 kg
	Feed hopper	865 x 720 mm
	Drive	13 – 33 kW (18 – 45 hp)

Entry model



schliesing wood chippers comply with the safety regulations of DIN EN 13525.

- Inexpensive entry model with proven **schliesing** quality
- Compact and lightweight: suitable for small tractors as well

DRIVE AND MOUNT

- 3-point rear lift (540 rpm)
- Displacement to 1,000 rpm optionally available
- PTO shaft with freewheel clutch standard
- Friction clutch standard
- Power Control System and minutes counter optionally avail.
- Lightweight and sturdy frame
- Central lubrication system optionally available
- Road lights as per StVZO (shock-protected) optionally avail.
- 25 km/h chassis optionally available

MACHINE BODY / FEED HOPPER / DISCHARGE CHUTE

- Pivoting discharge chute with adjustable deflector (as per GS standard)
- Sound insulation of relevant machine parts (hood in particular)
- Feed hopper with flap as per CE standard, 1,500 mm feeding depth
- Change of colour optional






CHIPPER UNIT

- Infinitely variable setting of the chip size (5 – 25 mm)
- 2-blade chipping disk with continually adjustable blades that can be resharpened multiple times for a high service life
- Enclosed cutting system for a quick, safe and exact blade change
- Horizontal anvils can be used twice for a long service life
- Excellent protection against entangling at main disk bearing
- Chipping unit with safety circuit as per EN 13525

HYDRAULIC FEEDING

- Separate hydraulic circuit
- Powerful feed rollers with hydraulic forced feeding and two separate oil motors
- Parallel-guided upper feed roller providing a uniform feeding (no wedging of the fed material)
- Optional: SAFEchip safety circuit

175 ZX

	Wood diameters of up to	16 cm
	Feed width	240 mm
	Weight	ca. 550 kg
	Feed hopper	865 x 720 mm
	Drive	18 – 51 kW (25 – 70 hp)

Based on the standard 175 MX



schliesing wood chippers comply with the safety regulations of DIN EN 13525.

- Proven **schliesing** quality, yet lightweight
- Particularly suited for small tractors
- Lightweight yet powerful for wood diameters of up to 16 cm
- WhisperCut® option: low-noise and with reduced operating costs

DRIVE AND MOUNT

- 3-point rear lift (540 rpm)
- PTO shaft with freewheel clutch standard
- Friction clutch standard
- Power Control System and minutes counter optionally avail.
- Lightweight and sturdy, fully galvanised frame
- Central lubrication system optionally available
- Road lights as per StVZO (shock-protected) optionally avail.
- 25 km/h chassis optionally available

MACHINE BODY / FEED HOPPER / DISCHARGE CHUTE

- Pivoting discharge chute with adjustable deflector (as per GS standard)
- Many exposed parts galvanised
- Sound insulation of relevant machine parts (hood in particular)
- Feed hopper with flap as per CE standard, 1,500 mm feeding depth
- Change of colour optional






CHIPPER UNIT

- Infinitely variable setting of the chip size (5 – 25 mm)
- 2-blade chipping disk with continuously adjustable blades that can be resharpened multiple times for a long service life
- Enclosed cutting system for a quick, safe and exact blade change
- Horizontal anvil and vertical blade can be used twice each, resulting in a long service life
- Excellent protection against entangling at main disk bearing
- Chipping unit with safety circuit as per EN 13525

HYDRAULIC FEEDING

- Separate hydraulic circuit
- PowerGrip feed rollers with hydraulic forced feeding and two separate oil motors for an aggressive and uniform feeding of material, while preventing branches from lashing out to the left and right
- Parallel-guided upper feed roller for a uniform and continuous feeding of material (no wedging of the material)
- Optional: SAFEchip safety circuit

200 ZX

	Wood diameters of up to	16 cm
	Feed width	240 mm
	Weight	ca. 680 kg
	Feed hopper	950 x 825 mm
	Drive	18 – 51 kW (25 – 70 hp)

Little mount extension & right-hand hopper



schliesing wood chippers comply with the safety regulations of DIN EN 13525.

- Standard equipped with hopper on the right to get the point of gravity as close as possible to the tractor mount
- Suitable for small tractors as well
- WhisperCut® option: low-noise, with reduced operating costs

DRIVE AND MOUNT

- 3-point rear lift (540 rpm)
- Displacement to 1,000 rpm optionally available
- PTO shaft with freewheel clutch standard
- Friction clutch standard
- Power Control System and minutes counter optionally avail.
- Sturdy frame with towing pintle
- Central lubrication system optionally available
- Road lights as per StVZO (shock-protected) optionally avail.

MACHINE BODY / FEED HOPPER / DISCHARGE CHUTE

- Turning discharge chute on ball bearing flange with adjustable deflector (as per GS standard)
- Many exposed parts galvanised
- Sound insulation of relevant machine parts (hood in particular)
- Feed hopper with flap as per CE standard, 1,500 mm feeding depth (hopper on right-hand side)
- Change of colour optional
- Optional adaptation of discharge chute length






CHIPPER UNIT

- Infinitely variable setting of the chip size (5 – 25 mm)
- 2-blade chipping disk with continuously adjustable blades that can be resharpened multiple times for a long service life
- Enclosed cutting system for a quick, safe and exact blade change
- Horizontal anvil and vertical blade can be used twice each, resulting in a long service life
- Excellent protection against entangling at main disk bearing
- Chipping unit with safety circuit as per EN 13525

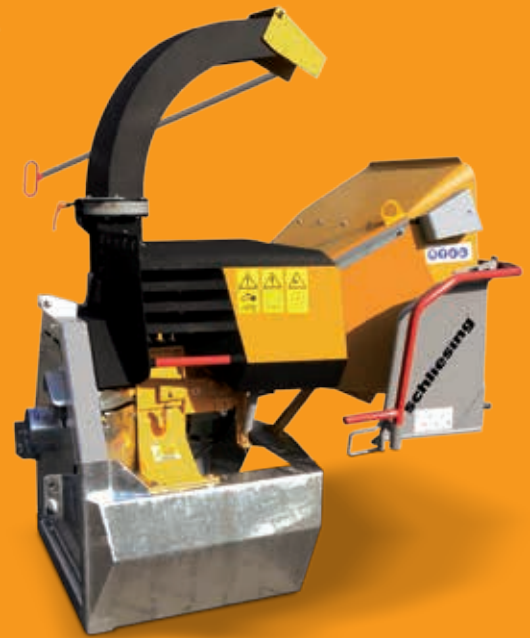
HYDRAULIC FEEDING

- Separate hydraulic circuit
- PowerGrip feed rollers with hydraulic forced feeding and two separate oil motors for an aggressive and uniform feeding of material, while preventing branches from lashing out to the left and right
- Parallel-guided upper feed roller for a uniform and continuous feeding of material (no wedging of the material)
- Level indicator for the hydraulic oil tank
- Optional: SAFEchip safety circuit

235 ZX

	Wood diameters of up to	19 cm
	Feed width	240 mm
	Weight	ca. 860 kg
	Feed hopper	1,020 x 940 mm
	Drive	29 – 60 kW (40 – 80 hp)

Currently more than 1,000 235 MX/ZX machines in use



schliesing wood chippers comply with the safety regulations of DIN EN 13525.

- PTO-driven machine on the basis of our top-selling engine-driven 235 MX machine, which in its third generation has been in professional use for more than 20 years now
- Ubiquitous, durable, reliable and optimised in maintenance
- WhisperCut® option: low-noise, with reduced operating costs

DRIVE AND MOUNT

- 3-point rear lift (540 rpm)
- PTO shaft with freewheel clutch standard
- Friction clutch standard
- Power Control System and minutes counter optionally avail.
- Fully galvanised, corrosion-protected ponton
- Central lubrication system optionally available
- Road lights as per StVZO (shock-protected) optionally avail.
- 25 km/h chassis optionally available

MACHINE BODY / FEED HOPPER / DISCHARGE CHUTE

- Turning discharge chute on ball bearing flange with adjustable deflector (as per GS standard)
- Many exposed parts galvanised
- Sound insulation of relevant machine parts (hood in particular)
- Feed hopper with flap as per CE standard, 1,500 mm feeding depth
- Change of colour optional
- Choice of two standard discharge chute lengths, optionally adaptable






CHIPPER UNIT

- Infinitely variable setting of the chip size (5 – 25 mm)
- 2-blade chipping disk with continuously adjustable blades that can be resharpened multiple times for a long service life
- Enclosed cutting system for a quick, safe and exact blade change
- Horizontal anvil and vertical blade can be used twice each, resulting in a long service life
- Excellent protection against entangling at main disk bearing
- Chipping unit with safety circuit as per EN 13525

HYDRAULIC FEEDING

- Separate hydraulic circuit
- PowerGrip feed rollers with hydraulic forced feeding and two separate oil motors for an aggressive and uniform feeding of material, while preventing branches from lashing out to the left and right
- Parallel-guided upper feed roller for a uniform and continuous feeding of material (no wedging of the material)
- Level indicator for the hydraulic oil tank
- Optional: SAFEchip safety circuit

400 ZX 270°

	Wood diameters of up to	21 cm
	Feed width	270 mm
	Weight	ca. 1,300 kg
	Feed hopper	1,250 x 1,050 mm
	Drive	45 – 74 kW (60 – 100 hp)

Middle class in the PTO range



schliesing wood chippers comply with the safety regulations of DIN EN 13525.

- Chipping unit standard turning 270°
- Universally employed, in particular in cities and communities
- WhisperCut® option: low-noise, with reduced operating costs
- Many further options available

DRIVE AND MOUNT

- 3-point rear lift (540 rpm)
- Displacement to 1,000 rpm optionally available
- PTO shaft with freewheel clutch standard
- Friction clutch standard
- Power Control System and minutes counter optionally avail.
- Fully galvanized, corrosion-resistant ponton
- Chipping unit turning 270°
- Central lubrication system optional
- Road lights as per StVZO (shock-protected) optionally avail.
- 25-km/h chassis optionally available

MACHINE BODY / FEED HOPPER / DISCHARGE CHUTE

- Turning discharge chute on ball bearing flange with adjustable deflector (as per GS standard)
- Many exposed parts galvanised
- Sound insulation of relevant machine parts (hood in particular)
- Feed hopper with flap as per CE standard, 1,500 mm feeding depth
- Change of colour optional
- Optional adaptation of discharge chute length






CHIPPER UNIT

- Infinitely variable setting of the chip size (5 – 25 mm)
- 2-blade chipping disk with continuously adjustable blades that can be resharpened multiple times for a long service life
- Enclosed cutting system for a quick, safe and exact blade change
- Horizontal anvil can be used 4 times, vertical blades twice resulting in a long service life
- Excellent protection against entangling at main disk bearing
- Chipping unit with safety circuit as per EN 13525

HYDRAULIC FEEDING

- Separate hydraulic circuit
- PowerGrip feed rollers with hydraulic forced feeding and two separate oil motors for an aggressive and uniform feeding of material, while preventing branches from lashing out to the left and right
- Parallel-guided upper feed roller for a uniform and continuous feeding of material (no wedging of the material)
- Level indicator for the hydraulic oil tank
- Optional: SAFEchip safety circuit

550 ZX

	Wood diameters of up to	30 cm
	Feed width	340 mm
	Weight	ca. 1,640 kg
	Feed hopper	1,730 x 1,120 mm
	Drive	89 – 147 kW (120 – 200 hp)

Ideal for wood chip production on a grander scale



schliesing wood chippers comply with the safety regulations of DIN EN 13525.

- For most demanding tasks - standard equipped with 3-blade disk
- Effortlessly processes wood quantities of up to 25 m³/h
- Available with radio controller for one-man operation (e.g. from a crane)
- Upper feed roller with additional torque enhancement to increase the feeding force (by up to 400%)

DRIVE AND MOUNT

- 3-point rear lift (1,000 rpm)
- Displacement to 540 rpm upon request
- Heavy-duty PTO shaft with freewheel clutch standard
- Friction coupling at the PTO shaft standard
- Power Control System and minutes counter optionally avail.
- Solid, sturdy frame
- Central lubrication system optionally available
- Road lights as per StVZO (shock-protected) optionally avail.
- 25-km/h chassis optionally available

MACHINE BODY / FEED HOPPER / DISCHARGE CHUTE

- Turning discharge chute on ball bearing flange with adjustable deflector (as per GS standard)
- Many exposed parts galvanised
- Sound insulation of relevant machine parts (hood in particular)
- Feed hopper with flap as per CE standard, 1,500 mm feeding depth
- Change of colour optional
- Choice of two standard discharge chute lengths, optionally adaptable

CHIPPER UNIT

- Infinitely variable setting of the chip size (5 – 25 mm)
- 3-blade chipping disk with continuously adjustable blades that can be resharpened multiple times for a long service life
- Enclosed cutting system for a quick, safe and exact blade change
- Horizontal anvil and vertical blade can be used four times each, resulting in a long service life
- Excellent protection against entangling at main disk bearing
- Chipping unit with safety circuit as per EN 13525

HYDRAULIC FEEDING

- Separate hydraulic circuit
- PowerGrip feed rollers with hydraulic forced feeding and two separate oil motors for an aggressive and uniform feeding of material, while preventing branches from lashing out to the left and right
- Add. reinforcement of the feeding power (by up to 400%)
- Parallel-guided upper feed roller for a uniform and continuous feeding of material (no wedging of the material)
- Level indicator for the hydraulic oil tank
- Optional: SAFEchip safety circuit

schliesing WhisperCut®

- Internationally patented cutting system, registered as a brand
- Established and proven on the market for over 15 years
- V-shaped blade positions ensure a more uniform feeding of the material towards the centre with fewer vibrations. No lashing out of the wood – increased work safety
- Noise level reduction by up to 30%
- Service life of the blades increased by up to 40% and wider spaced service intervals result in low operating costs
- Optionally available for nearly all **schliesing** wood chippers



V-shaped blade positions for noise level reduction, a more uniform feeding of the material and the reduction of operating costs

Available for nearly all wood chipper models of the **schliesing** product ranges engine-driven, PTO-driven and special machines



SAFEchip safety technology

**Recommended by the Gardening
Employer's Liability Insurance Association**

- Contactless protection system working with an electro-magnetic field
- The sender (transponder) is carried inside the ear protection
- If approached too closely, the feed rollers will automatically stop, thus preventing accidents
- Proven in everyday use and judged positively by the operators
- Seamlessly fits into the work flow
- Quick-test unit for the battery status included in the delivery



When entering the electromagnetic field generated by the sending / receiving unit, the feed rollers are instantly stopped

Hydraulic PowerGrip feed rollers

- PowerGrip feed rollers with curved steel cotters
- Secure seizing of large-diameter wood and crushing of crutches
- The hydraulic forced feeding with two separate oil motors (one per feed roller) warrants an aggressive and uniform feeding operation
- This system prevents branches from lashing out to the left and right: increased work safety
- Parallel guidance of the upper feed roller: prevents a jamming of the fed material and minimizes wear and tear of the drive shafts
- Model 550 MX is standard equipped with a torque multiplication transmission at the upper feed roller: increase of the feeding force of up to 400%



Overview

105 ZX

175 ZX

BASIC DATA

Wood diameters of up to	13 cm	16 cm
Feed width	200 mm	240 mm
Hopper dimensions: width x height (mm)	865 x 720	865 x 720
Chipping disk: diameter x thickness (mm)	600 x 25	660 x 30
Weight (basic machine)	ca. 440 kg	ca. 550 kg

DRIVE

Power requirements	13–33 kW (18–45 hp)	18–51 kW (25–70 hp)
Rear 3-point lift (540 rpm)	■	■
Rear 3-point lift (1,000 rpm)	○	—
PTO shaft with freewheel clutch	■	■
Friction coupling	■	■
Power Control (electric overload protection)	○	○
Central lubrication system	○	○

MOUNT

Supporting frame	■	■
Fully galvanized ponton	—	—
Road lights as per StVZO (bounce protected)	○	○
Single-axle chassis for 25 km/h	—	—

FEED HOPPER / BODY

3-point frame	■	■
Chipper unit turning 270°	—	—
Feed hopper with flap as per CE standard	■	■
Turning discharge chute as per EN standards	■	■
Adjustable deflector on discharge chute	■	■
Discharge chute on ball bearing flange	—	—
Sound insulation	■	■
Exposed machine parts galvanized	■	■

CHIPPING UNIT

PowerGrip feed rollers	—	■
Parallel-guided upper feed roller	■	■
Aux. transmission at upper feed roller for increased power	—	—
Enclosed cutting system	■	■
2-blade chipping disk	■	■
3-blade chipping disk	—	—
WhisperCut® V-blade system	—	○
Infinitely variable setting of chip size (5–25 mm)	■	■
Multiple use of the anvils (horizontal/vertical)	■	■
Protection against entangling at the chipping disk	■	■
Safety circuit as per EN 13525	■	■
SAFEchip safety device	○	○

HYDRAULICS

Separate hydraulic circuit	■	■
Feed rollers with hydraulic forced feeding	■	■
Separate oil motor for each feed roller	■	■
Hydraulic chip size adjustment	■	■
Level indicator for hydraulic tank	—	—

■ standard ○ available against surcharge — not available

200 ZX**235 ZX****400 ZX 270°****550 ZX**

16 cm	19 cm	21 cm	30 cm
240 mm	240 mm	270 mm	340 mm
950 x 825	1,020 x 940	1,250 x 1,050	1.730 x 1.120
660 x 30	660 x 35	800 x 40	950 x 45
ca. 680 kg	ca. 860 kg	ca. 1,300 kg	ca. 1.640 kg

18–51 kW (25–70 hp)	29–60 kW (40–80 hp)	45–74 kW (60–100 hp)	89–147 kW (120–200 hp)
■	■	■	○
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Contact

SPARE PARTS

For spare parts' shipment on the same day you may reach us by phone:

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Mo – Th 8 am – 2 pm, Fr 8 am – 11 am

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