



Single shaft shredder series
WL 4 S - WL 6 S

The perfect shredder – flexible and high-powered: **WL 4 S - WL 6 S**



The reliable shredder for large quantities of wood and timber waste



The WL 4 S – WL 6 S series shredders are used for shredding large quantities of wood and timber waste.

The machines are fitted with very high-powered rotors of 600 and 800 mm width.

The rotor diameter is 368 mm. The large rotor and the wrap angle of the screen ensure high throughput rates.

Machine with a drive output of 30 kW or more are fitted with a hydrodynamic clutch, in addition to the automatic star-delta starter, to ensure a soft start of the rotor even when the hopper is completely full.



WL 6 S with feeding screw



WL 6 S with feeding belt



WL 4 S series shredders, for shredding wood and timber waste

Series WL 4 S - WL 6 S with rotor diameter of 368 mm

Material is fed through the hopper to fall in front of a hydraulically operated drawer that presses the material, according to load, onto the turning rotor. The material is shredded between the rotor blades and a fixed stationary blade. The drawer is equipped with scraper strips to prevent any adverse pulling in of material between the drawer and the machine casing. The chips produced can be conveyed out of the machine by a suction extraction system or a conveyor screw.



V rotor with single row of blades



V rotor with double row of blades

Patented V rotor

- optimum material feed
- minimum wear of cutting blades
- low speed high torque drive
- low cutting clearance between rotor and stationary blade
- defined blade overlap

The profiled V rotor is made of solid material and mounted on stable rotor bearings. Special blade holders are welded into milled blade pockets around its circumference.

The cutting blades are set into these and screwed on from the back. This ensures quick and easy blade changing.

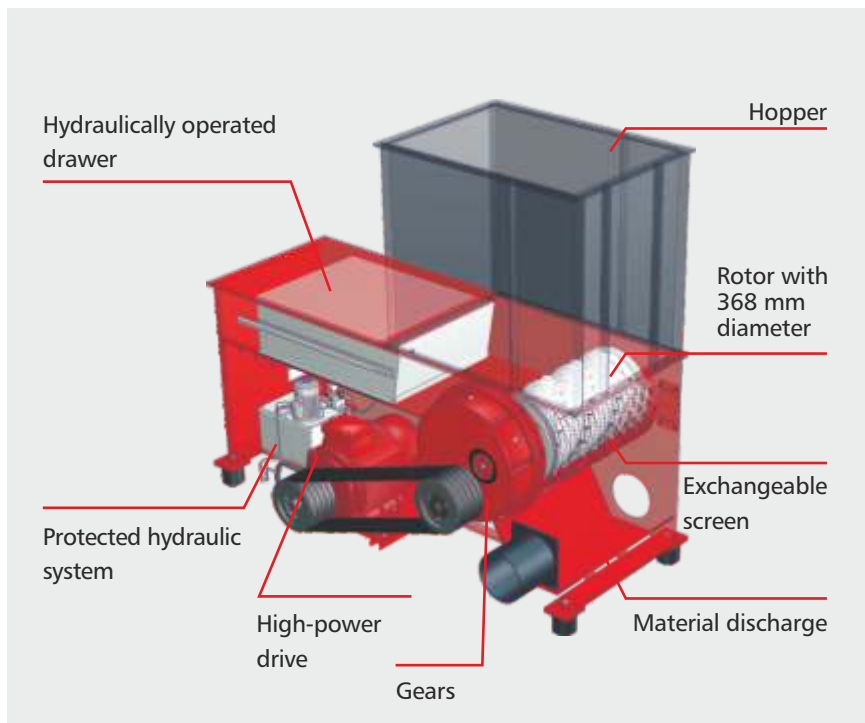
The concave cutting blades can be rotated four times to ensure a precise cut with high throughput performance.



Reversible crown blades can be rotated 4 or 8 times

Flat or concave cutting blades

In heat-treated steel, HSS and HM, for universal use and extremely resilient for a wide variety of applications.



Protected hydraulic system

The pusher's hydraulic system is located inside the machine body to protect it against sawdust and damage. The hydraulic cylinder is mounted on gimbals to prevent undesirable lateral forces acting on the piston collars.



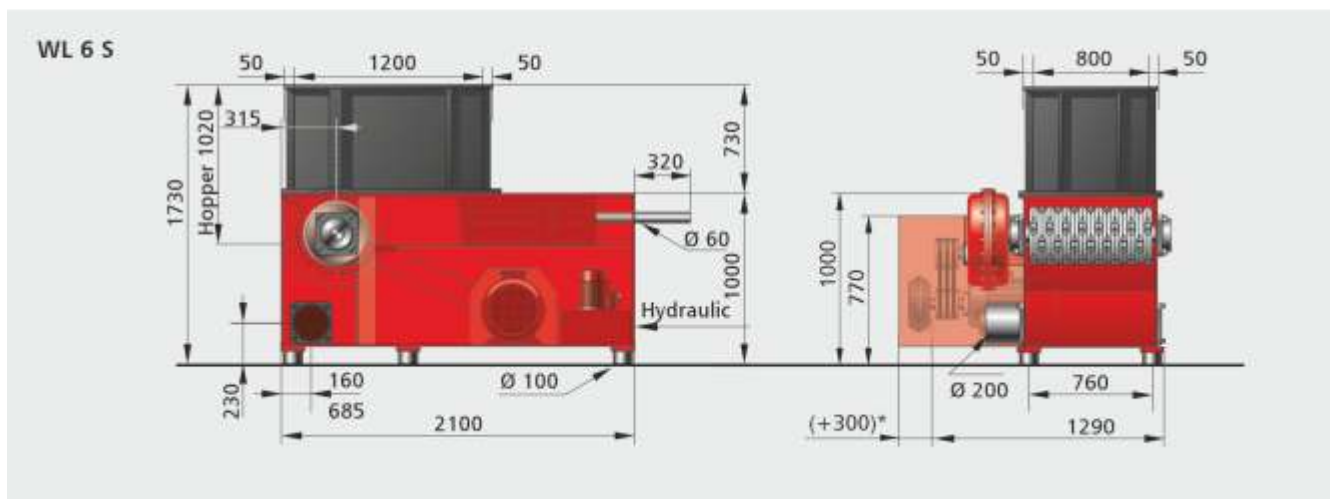
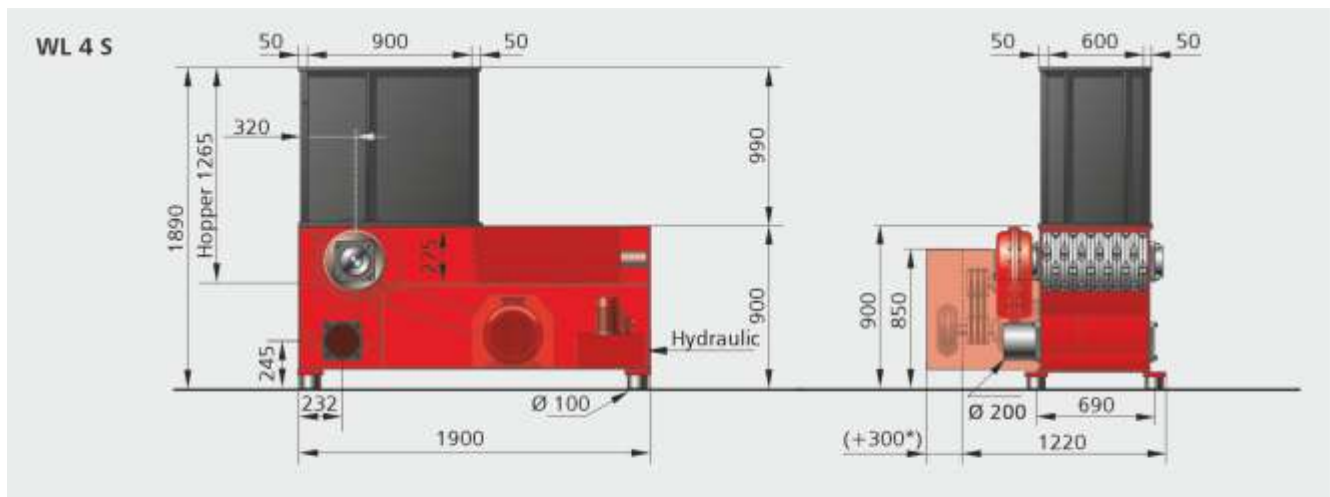
Powerful drive

The machine is driven by an electric motor with a drive output of up to 37 kW which is fed onto the rotor via a hydro-clutch (as of 30 kW), v-belts and gears.



Change screen

The required chip sizes are achieved with a screen located underneath the rotor.



Technical specifications		WL 4 S	WL 6 S
Feed opening	(mm):	600 x 900	800 x 1.200
Hopper volume	(m ³):	0,7	1,0
Rotor diameter	(mm):	368	368
Rotor width	(mm):	600	800
Rotor speed	(rpm):	60 - 100	60 - 100
Drive capacity	(kW):	22*/30	22*/30/37
Tools	(blade items):	17 / 30	23 / 42
Screen mesh aperture	(mm):	10 - 40	10 - 40
Extractor nozzle	(diameter mm):	200	200
Air speed	(m/sec.):	28	28
Weight	(approx. kg):	1.700	2.000

From 22 kW, available with hydrodynamic starter clutch. SPS control for fully automatic controlled operation (on request); throughput performance dependent on material and screen. Special designs available on request. Demonstrations and trials at our test centre, using your materials, can be arranged by appointment.

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