

The universal shredder

tough and reliable



Topping the list of purchased shredders - WEIMA's most successful model



The WL 4 – WL 4 S shredders

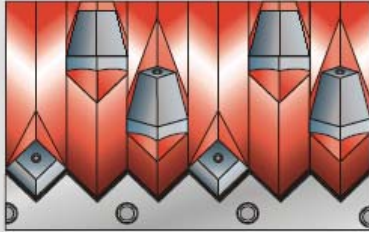
reliable technology for all wood materials

The WL 4 - WL 4 S models are classics among shredders. Technically refined right down to the finest detail thanks to our long-term experience in this sector.

The machines crush all types of wood waste. The patented V-rotor is available in two different diameters depending on customer specifications.

Advanced technology for size reduction

WL 4 - WL 4 S technology



Patented V-rotor

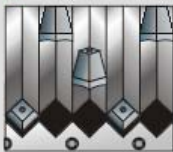
- Optimum material intake
- Minimum cutting knife wear
- Low power consumption yet high output
- Narrow cutting gap between rotor and counterknife
- Defined knife projection

The profiled V-rotor is manufactured in one piece and mounted by sturdy rotor bearings. Special knife holders are welded into milled knife pockets around its circumference. The cutting knives are inserted into these holders and screwed in place from behind. As a result, high-speed knife changing is possible because the design prevents the screw heads from being damaged during shredding. The concave cutting knives can be turned four times and guarantees a precise cut at a high throughput rate. Two rotor diameters are used:

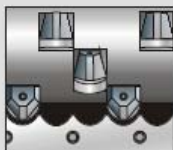
- 99.2" / 252 mm (WL 4)
- 144.9" / 368 mm (WL 4 S)



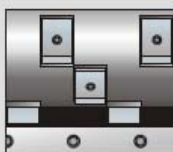
Other rotor versions



Profiled rotor with cutting knives inserted in the recesses



Flat rotor with round or pot knives



Flat rotor with rectangular or square turnable knives

The universal shredder - tough and reliable

WL 4 - WL 4 S

The tried-and-tested shredder for all wood materials

The WL 4 - WL 4 S shredders are used in thousands of small and medium-sized businesses worldwide. An outstanding feature is their tough construction for an extremely long service life (even if instal-

led outdoors). The high number of shredders manufactured in this series is a result of tried-and-tested and reliable technology with an excellent cost-benefit ratio.



WL 4 - WL 4 S basic models



V-rotor with two rows of knives

Customized hopper configuration

The screen size perforation determines the size of the shredded material

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WL 4 - WL 4 S

The WL 4 - WL 4 S shredders in action

The material is fed through the hopper to a hydraulic ram which presses the material against the rotating rotor. The inserted material is shredded between the rotating knives and fixed-position counterknife. The ram is fitted with scraper rails which

prevents any unwanted material from being pulled between the ram and the machine frame. The manufactured wood chips can be transported out by a conveyor belt, discharge auger or dust collection system.



WL 4 shredder, connected to dust collection system



WL 4 S shredder, connected to dust collection system

WL 4 - WL 4 S technology



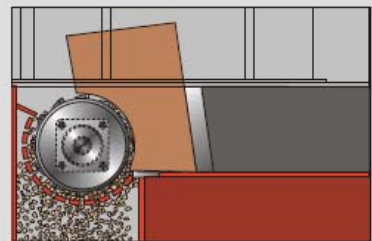
Power drive

The machines are driven by an electric motor with up to 30 hp (22 kW) output which is transmitted to the rotor by v-belts and gears.

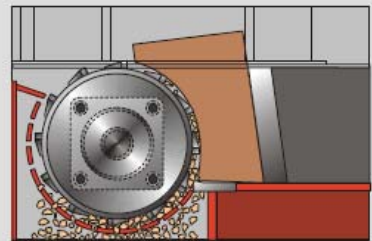


Enclosed hydraulic system

The ram's hydraulic system is located inside the machine body to protect it against wood dust and damage. The hydraulic cylinder is suspended by cardanic joints so that any unwanted lateral force on the piston cup is avoided.



Rotor diameter with 10" (252 mm) with high throughput capacity.

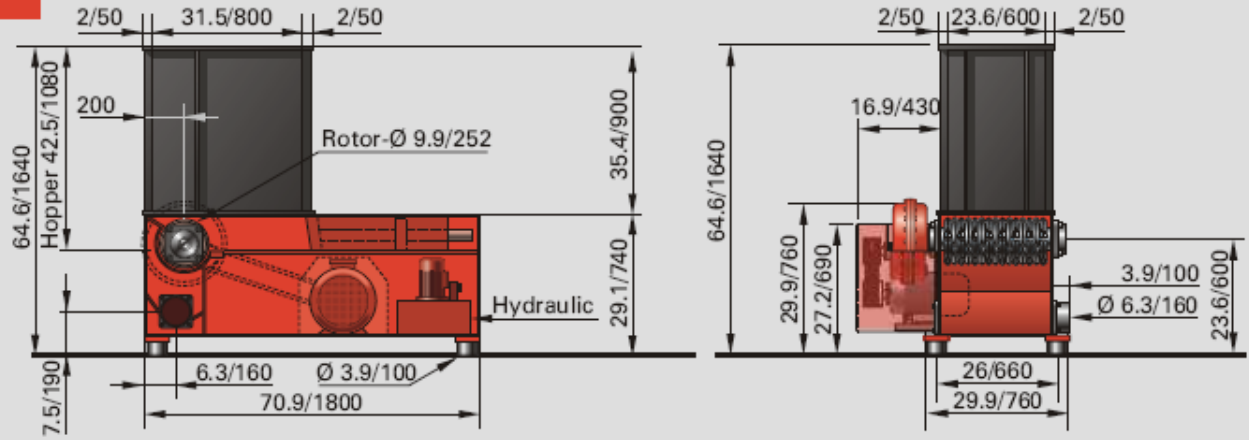


The large rotor (14.5" / 368 mm) and curve of the fit screen results in extreme throughput capacity.

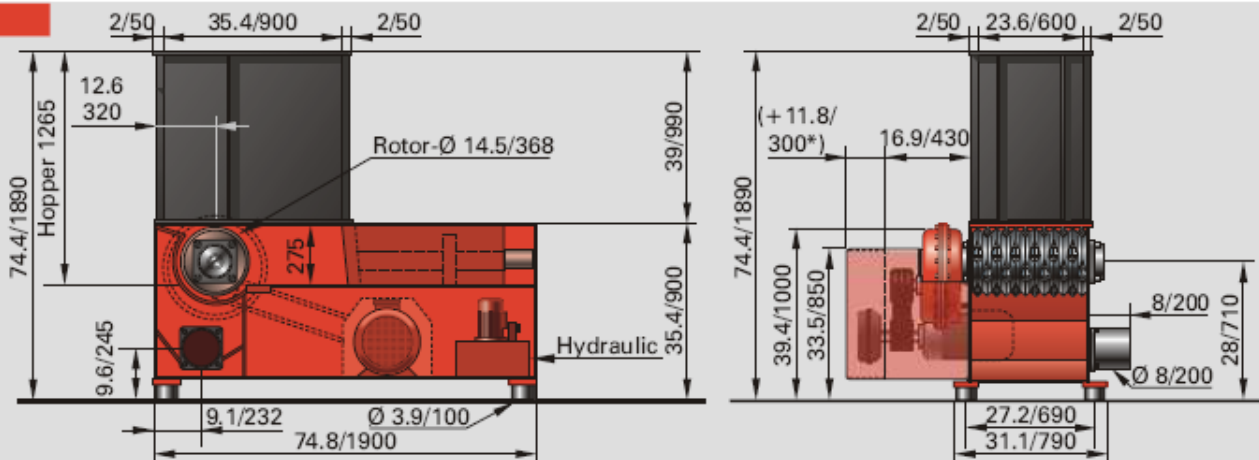
Technical Data

WL 4 – WL 4 S

WL 4



WL 4 S



	WL 4	WL 4 S	
Hopper opening (In./mm):	23.6 x 31.5 / 600 x 800	23.6 x 35.4 / 600 x 900	* < 30 hp (22 kW) with hydrocentrifugal clutch SPC control for fully automatic controlled operation (optional extra), special designs on request.
Hopper volume (yd ³ /m ³):	0.8 / 0,6	0.9 / 0,7	
Throughput:	depending on material and screen size		
Rotor diameter (In./mm):	9.9 / 252	14.5 / 368	
Rotor length (Inch/mm):	23.6 / 600	23.6 / 600	
Rotor speed (rpm):	60 - 100	60 - 100	
Power (hp/kW):	20/25 / 15/18,5	25/ 30 / 18,5/22*	
Tools (Knives):	14	30	
Screen size (Inch/mm):	3/8 - 2 / 10 - 50	3/8 - 2 / 10 - 50	
Connection-Ø (Inch/mm):	6.3 / 160	8 / 200	
Air speed (cfm, m/sec):	1,900 / 28	1,900 / 28	Demonstrations and tests with your materials are possible in our technical facility by prior appointment.
Weight (approx. lbs/kg):	2,900 / 1.300	3,800 / 1.700	