

## **The perfect shredder** **for flexibility and high performance**



**The middle range-tough and versatile**

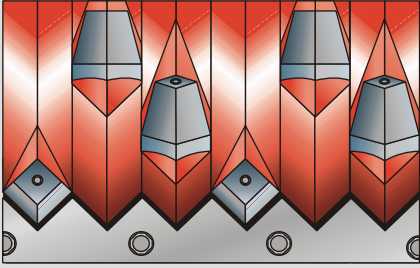


## **The WL 6 – WL 6 S shredders** **reliable technology for all wood materials**

The slow-turning single-shaft shredders WL 6 - WL 6 S are constructed according to the requirements of the woodworking industry. All types of wood waste such as splintered pieces, pallets,

chipboard, etc. can be shredded. The basic models are built based on customer requirements (throughput rate, rotor, hopper design, etc.).

## WL 6 - WL 6 S technology



### Patented V-rotor

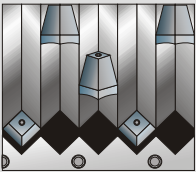
- Optimum material intake
- Minimum cutting knife wear
- Low power consumption yet high output
- Narrow cutting gap between rotor and counterknife
- Defined knife projection

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:

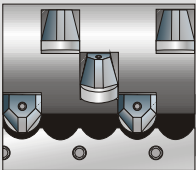
10" / 252 mm (WL 6)



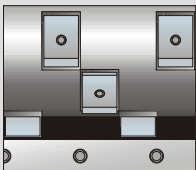
### Other rotor versions



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 perfect shredder – for flexibility and high performance

### WL 6 – WL 6 S

### The reliable shredder for larger volumes of wood waste

The WL 6 - WL 6 S shredders are used for shredding large quantities of wood waste. The machines are fitted with 31.5" (800 mm) wide, powerful rotors. Every WL 6 - WL 6 S with a motor larger

than 30 hp (22 kW) is equipped with a hydrodynamic starter clutch in addition to the automatic star-delta starter to ensure a soft rotor start, even when the hopper is completely full.



WL 6 - WL 6 S basis models



The screen size perforation determines the size of the shredded material



WL 6 S with discharge auger



V-rotor with two rows of knives



WL 6 S with conveyor belt

## The perfect shredder – for flexibility and high performance

WL 6 – WL 6 S

### The WL 6 - WL 6 S shredders in action

The material is fed through the hopper to a hydraulic ram which presses the material against the rotor. The inserted material is shredded between the rotating knives and counterknife which is fixed in place. 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 6 shredder with dust collection system



WL 6 S shredder, loaded by forklift with gaylord

### WL 6 - WL 6 S technology



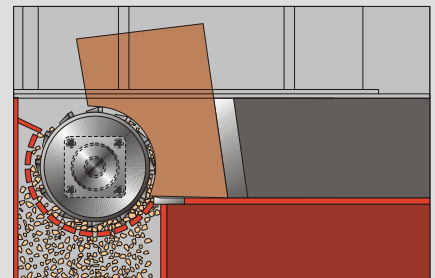
#### Power drive

The machines are driven by an electric motor with up to 50 hp (37 kW) drive output which is transmitted to the rotor by a torque converter, v-belts and gears.

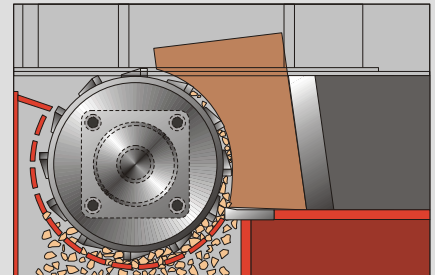


#### Enclosed hydraulic system

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.



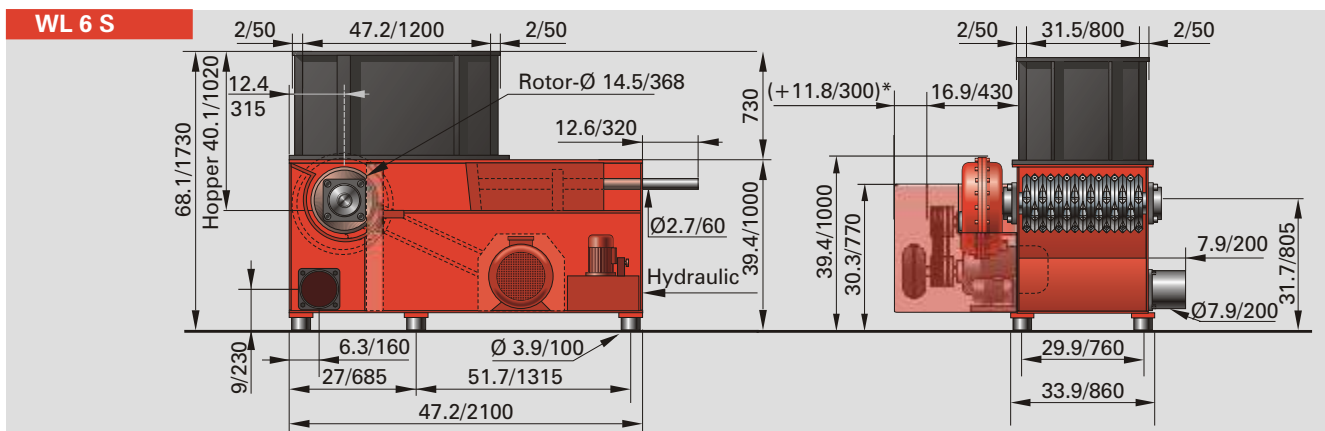
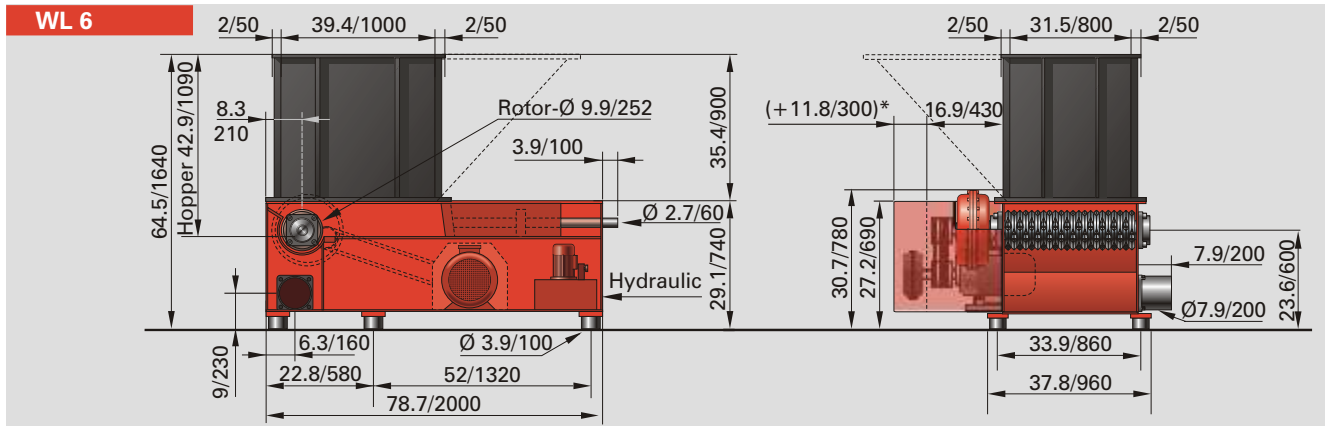
Rotor diameter 10" (252 mm) with high throughput capacity.



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

## Technical Data

### WL 6 – WL 6 S



	WL 6	WL 6 S	
Hopper opening (In./mm):	31.5 x 39.4 / 800 x 1.000	31.5 x 47.2 / 800 x 1.200	* > 30 hp (22 kW) with hydrocentrifugal clutch. PLC available upon request. Special configurations are available, call for details.
Hopper volume (yd <sup>3</sup> /m <sup>3</sup> ):	1.2 / 0,9	1.3 / 1,0	
Throughput:	depending on material and screen size		
Rotor diameter (In./mm):	9.9 / 252	14.5 / 368	
Rotor length (Inch/mm):	31.5 / 800	31.5 / 800	
Rotor speed (rpm):	60 - 100	60 - 100	
Power (hp/kW):	25/30 / 18,5/22*	40/ 50 / 30/37	
Tools (Knives):	21	42	
Screen size (Inch/mm):	3/8 - 2 / 10 - 50	3/8 - 2 / 10 - 50	
Connection-Ø (Inch/mm):	8 / 200	8 / 200	
Air speed (cfm, m/sec):	1,900 / 28	1,900 / 28	<b>Demonstrations and tests with your materials are possible in our technical facility by prior appointment.</b>
Weight (approx. lbs/kg):	3,300 / 1.500	4,400 / 2.000	



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