

TYPE 6





Best Solution. Smart Recycling.



INVENTHOR TYPE 6 Redefining efficiency.

The Inventhor Type 6 sets standards in terms of shredding efficiency. The new addition to the slow speed shredder line fits perfectly with Doppstadt's "Smart Solutions" concept. It impresses in every aspect as a mobile, modular machine that can be used cost-effectively and flexibly in a wide variety of applications. And thanks to its great efficiency, it distinguishes itself with a fast return on investment.

EXTENDING OUR LEAD

The Inventhor Type 6 combines the best of both worlds. It is technologically based on the latest generation of shredders from Doppstadt. At the same time, it consistently continues the success of its predecessor, DW 3060. The entire machine concept is geared to: The unique and variable direct drive concept, the VarioDirect Drive forms the core technology. It leverages Doppstadt's patented phase shifter gearbox. By continuously transferring torque to the shredding system, it ensures high production, low fuel consumption and optimum starting

higher efficiency

- ease of use
- good accessibility
- increased uptime

For instance, it includes an improved cooling flexible shree system, a maintenance-optimized engine tooth sizes. compartment, an intelligent material feed, a well-designed shredding compartment and an effective material discharge. for high upt

SHREDDING WITHOUT COMPROMISE

The unique and variable direct drive concept, the VarioDirect Drive forms the core technology. It leverages Doppstadt's patented phase shifter gearbox. By continuously transferring torque to the shredding system, it ensures high production, low fuel consumption and optimum starting

performance, even when handling difficult shredding jobs!

The Inventhor Type 6 is able to handle a wide range of applications thanks to its flexible shredding system with different tooth sizes.

The whole shredding concept is designed for high uptime of the machine, easy and fast maintenance or service work while offering improved safety. One example for the outstanding accessibility is the comb door which can be opened up to 90°

ENSURING YOUR SYSTEM RUNS SMOOTHLY!

The SLOW SPEED SHREDDER LINE includes all shredders that pre-shred and work at low speeds and high torque. All of these machines are consistently tailored to meet your requirements. And the result of our many years of expertise in successfully delivering high-quality and forward-looking technology.

That is why the Inventhor Type 6 takes the next important step compared to other machines. The effective drive train, the optimized material feed and shredding system including an excellent monitoring concept and production performance capacity even during demanding applications make the Inventhor Type 6 a highly efficient future-proof machine for almost every area of application that is able to handle a wide range of materials.

THIS IS DOPPSTADT.

The family owned business Doppstadt with headquarters in Velbert, Germany, was founded in 1965. While the company focused in the beginning on the development of agricultural machinery, Doppstadt is now a leading internationally active solution and full-service provider in all areas of environmental technology and recycling. "Best Solution. Smart Recycling." – in line with this slogan, we combine proven processes to create complete individual solutions that are distinguished by innovative process operations, maximum efficiency and optimum economic viability. Especially in the fields of water-based separation systems and wet recycling, we impress our customers with our flexible systems designed to handle every challenge. From our locations in Velbert, Wülfrath, Calbe and Wilsdruff, we serve customers in more than 40 countries with our own network of authorized dealers, offering comprehensive services that cater to Doppstadt's unique portfolio.

MACHINE DETAILS



COOLING SYSTEM DESIGN Highly efficient cooling system geometry, directly upstream of hydraulic, reversible fan.



Simple operating concept makes daily routine tasks easy with the press of a button using different programs.



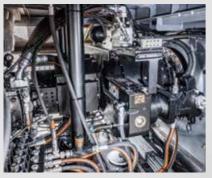
The engine compartment offers lots of space and easy access to all components, such as engine equipment, transfer case with direct engine connection or to the load-sensing system.



Extended feed area and automatic adjustment of material feed to increase the production of the shredding system.



MATERIAL FEED AND SHREDDING CHAMBER The steep walls of the feed hopper ensure continuous production. The flexible shredding concept with different shaft configurations allows a precise adaptation to different material requirements.



VARIODIRECT DRIVE

The newly developed and patented Vario-Direct Drive delivers steplessly variable power directly to the shredding shaft.



The central DoppHitch attachment system

makes it easy to utilize different rear-mounted system solutions. Selectable belt length options offer high discharge heights and steplessly adjustable belt angles.



INNOVATIVE DOOR CONCEPT

All door panels open upwards ensuring optimum access. The GRP door panels with their large air vents ensure optimal ventilation, while reducing noise emissions at the same time.



EASY ACCESS CONCEPT

The counter comb door which opens up to 90° greatly ensures easy access to the entire shredding compartment. It also increases on-the-job safety and ensures a fast re-start after service work.



Use of shredding tools equipped with

Dopp-Lock[®] system from other slow speed shredders, available in sizes M and L including the new generation of limiters.

OPTIONAL CHASSIS

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REAR BELT OPTIONS



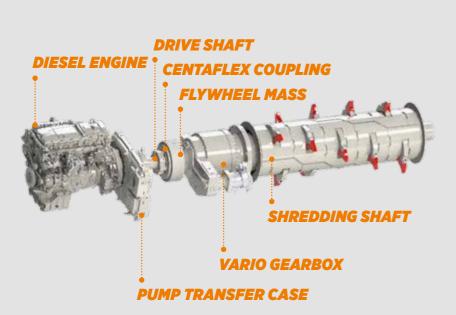


VARIODIRECT DRIVE Getting down to business.

The patented direct drive handles literally all shredding jobs. The flexible VarioDirect Drive runs precisely even under the most difficult conditions with high power requirements.

NEW STANDARDS IN TERMS OF DRIVE

The VarioDirect Drive variably and continuously transmits torque to the shredding shaft, thus enabling entirely new, effective shredding. It impresses with its new reversing performance while loaded, with different speeds adapted to the material, which can be set with optimum torque independently of the diesel engine rpm, and the integration of different material-specific operating programs. This forward-looking drive concept thus provides all the functions of a hydraulic drive train while retaining the direct drive concept with its high efficiency, for which Doppstadt is well-known.



OVERVIEW OF KEY ADVANTAGES:

FLEXIBLE:

The shaft's direction of rotation can be reversed, even while working.

INTELLIGENT:

Automatic mode is disabled in case of overload.

ADAPTABLE:

The gearbox ensures a flexible speed range for the shredding shaft, regardless of the main drive.

SAFE:

Shredding stops promptly in the event of any problems.

READY TO GO:

The efficiency of directly driven shaft ensures higher efficiency compared to hydraulically driven shredding systems. In addition to that, the gearbox allows for re-start even under load.

ADJUSTABLE:

The gearbox enables the integration of various operating programs for different applications

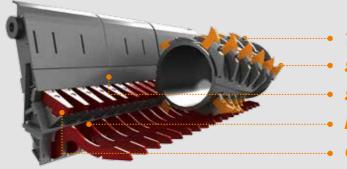
THE SHREDDING CONCEPT Making short work of difficult jobs.

better accessibility.

The Inventhor Type 6 is suited for shredding:

- waste wood
- green waste
- roots, stumps and logs
- construction and demolition waste
- commercial and industrial waste
- municipal solid waste

In order to successfully handle so many different tasks, we have further developed the advantages and technical characteristics of the DW series' proven shredding concept. **Comb bar:** The wide-opening counter comb door makes it easy to access the shredding compartment and thus take out the entire comb bar. This ensures that all comb teeth can be replaced all at once. It also increases on-the-job safety and a fast re-start of the machine after completion of service work.



Shredding compartment: The feed hopper walls are steeper in relation to the shaft, ensuring that material can better enter the process. The space between the shredding shaft and under belt has been increased. The result: Improved discharge,

Limiter system & tools: Shredding tools and limiters can be replaced in a very short period of time. The wear part is separate from the suspension in the limiters' fastening concept.

Shredding shaft: The shaft can be rotated hydraulically to provide an optimal and easy tool replacement.

TOOLS WITH DOPP-LOCK[®] SYSTEM
SHREDDING SHAFT
STEEP SIDE WALLS
LIMITER
COUNTER COMB WITH TEETH



INSIDE INVENTHOR TYPE 6 Packed with advantages to the minutest detail.

The hydraulically driven **cooling system** automatically regulates the fan's speed in relation to the temperature. In addition, the extremely easy to maintain.

The further developed engine compartment also ease maintenance and service work. Doors that are designed using lightweight GRP and which open upwards ensure optimum access to the entire engine of oil also reduces fuel consumption, sure monitoring system that can stop the compartment from both sides.

only fulfills the Euromot IIIA emissions standards, but also Stage V emissions constant belt speed even when the enstandards.

The optimized transfer case provides several drives for the hydraulic pumps. to the continuous volume flow being pro-The direct engine connection ensures vided. large front hinged door ensures optimum that power is ideally transferred both access and makes the cooling system to the connected hydraulic pumps and to Depending on job requirements, there the maintenance-friendly transfer case.

sures that the volume flow from the hyperformance. This precisely metered flow All belts are also equipped with a pressince the machine only gets as much oil as it needs. The full functionality of the The powerful 354 HP diesel engine not hydraulic system can be leveraged at The simple operating concept relies on

hydraulic system is reliably working thanks

are several rear belt options that are available. All versions (belt lengths 4.9 m The ingenious load-sensing system en- and 7 m - both for semi-trailer and track-mounted chassis) can be adjusted draulic pump is adapted to the required steplessly in terms of height and speed. shredding process when necessary.

idle as well. The system also ensures a a convenient and reliable 18-channel wireless remote control. In other words: The gine speed fluctuates, while the auxiliary interaction of these individual components allows for achieving new levels of throughput and efficiency. That makes the Inventhor Type 6 a first-class mobile shredder. Made by Doppstadt, made in Germany!



RECYCLING WITHOUT ANY DISTURBANCES.

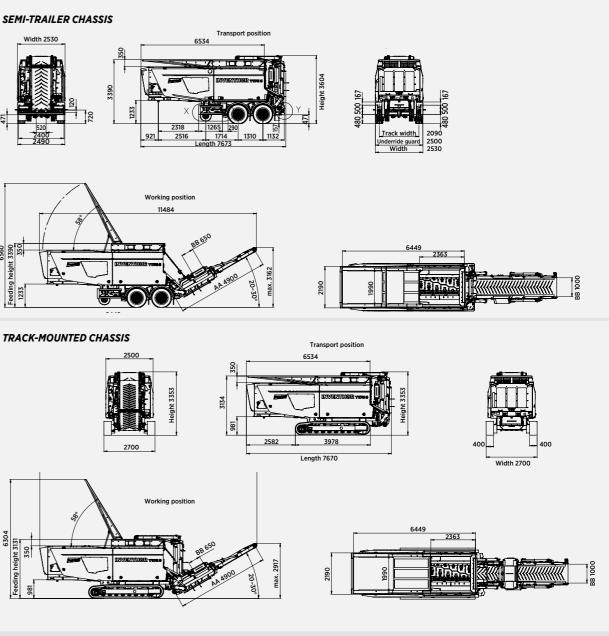
INVENTHOR TYPE 6	SEMI-TRAILER C	HASSIS	TRACK-MOUNTED CHASSIS
		NVERTINGE THE S	
Overall weight	23,000 kg (depe configuration)	nding on equipment	24,000 kg (depending on equipment configuration)
Chassis		er chassis for 80 km/h, as p ffic Licensing Regulations), system	er Track-mounted chassis for self-propelled de Two travel speeds
Drive	Diesel engine		Diesel engine
Туре	MTU 6R1000 Daimler OM 936*		MTU 6R1000 Daimler OM 936*
Nominal output	260 kW (354 HP) at 1,800 rpm		260 kW (354 HP) at 1,800 rpm
Emission standard	STAGE V or EUROMOT IIIA		STAGE V or EUROMOT IIIA
Cubic capacity	7,700 cm ³		7,700 cm ³
Tank capacity	500 L		500 L
Shaft/drum length	2,200 mm		2,200 mm
Shaft diameter	600/800 mm		600/800 mm
Shaft speed	–2 to 28 rpm		-2 to 28 rpm
Conveyor belt	Under belt	Rear belt	Under belt Rear belt
Width	800 mm	1,000 mm	800 mm 1,000 mm
Length	2,900 mm	4,900 mm/optional 7,000 mm	2,900 mm 4,900 mm/optional 7,000 mm
Discharge height		3,162 mm/4,219 mm	2,917 mm/3,967 mm
Conveying speed	1.3 to 2.9 m/s	1.25 to 3.0 m/s	1.3 to 2.9 m/s 1.25 to 3.0 m/s
Optional equipment	"Limiter" fine shredding system, shredder packages of size L or M, hydraulic self-propelled drive rear belt length 7 m overbelt magnet		"Limiter" fine shredding system, shredder p lled ages of size L or M, rear belt length 7 m, ove magnet auxiliary hopper attachment pane

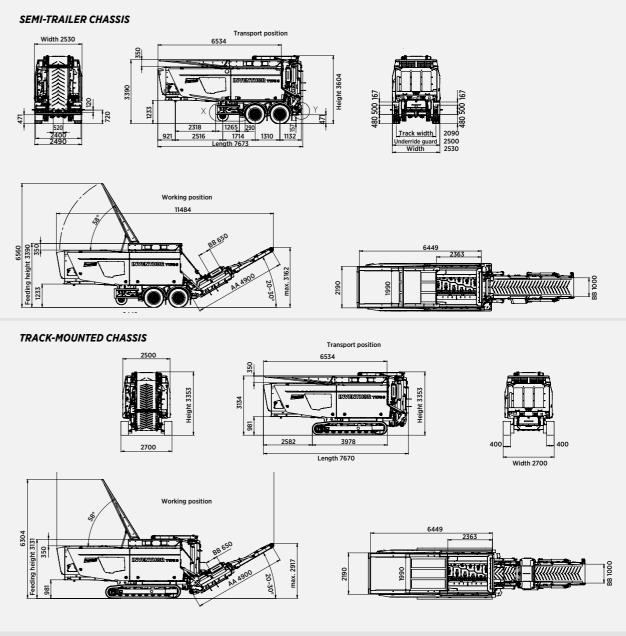
drive, rear belt length 7 m, overbelt magnet, magnet, auxiliary hopper attachment panels, auxiliary hopper attachment panels, hopper wedge, water spraying system, winter package, package, LED light package LED light package

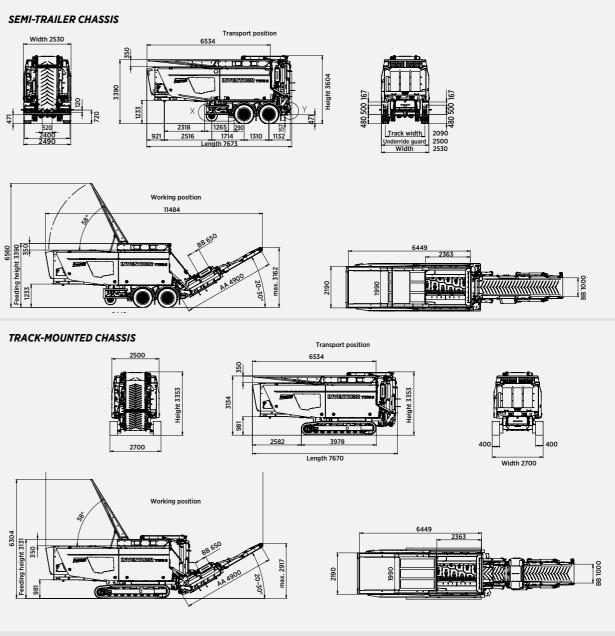
hopper wedge, water spraying system, winter

Standard equipment













Breaks up more. Takes in more.

- modular, individual design
- great flexibility
- moderate operating costs, high machine uptime
- outstanding shredding capacity even with demanding applications
- excellent monitoring concept for shredding process
- maximum production rates
- quick re-start after maintenance and improved on-the-job safety
- lower specific fuel consumption and reduced noise emissions



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