

# DW SERIES Shredders



DW 2060 E  
DW 2560 E  
DW 3060 E  
DW 4060 E  
DW 3080 E2  
DW 306 CERON

**Doppstadt**

WE CARE

# DW SERIES



## POWERFUL AND FLEXIBLE

### THE SHREDDERS OF THE DW SERIES

The shredding by roller and comb is suitable for the most difficult tasks. Roller teeth made of wear-resistant steel tear the material through the shredding comb. The comb opens automatically if necessary in order to avoid damages by large unshreddable contaminants. All the wear parts are quickly and easily replaceable.

The stationary shredders of the DW series stand out for the high throughput and the lumpy structure of the shredded materials. An adjustment to different specific conditions of the plant design is possible thanks to the connections in the feeding and discharge areas.

The machine is driven directly by DC current or AC motors with limited current consumption and low specific power consumption. By means of individual speed regulation\* an optimum process adjustment can be realized. The large protection doors and flaps enable an efficient maintenance from outside of the machine. Since all the shredding tools of the mobile Doppstadt series can be used, there is a wide range of possible applications.

Shredding roller with hydraulically controlled shredding comb



Hydraulically opening comb of the DW 306



Material discharge



\*option

# DW SERIES IN OPERATION



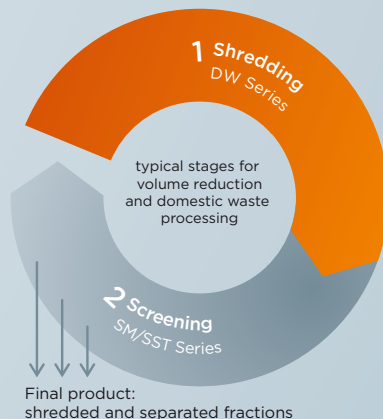
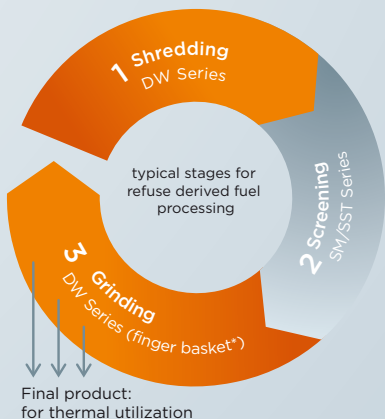
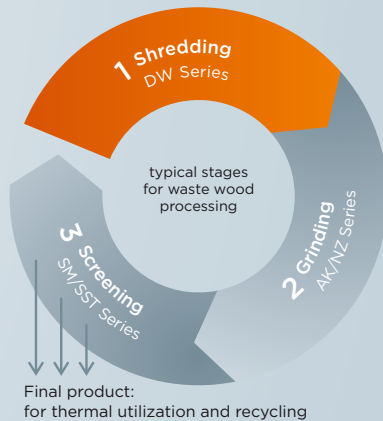
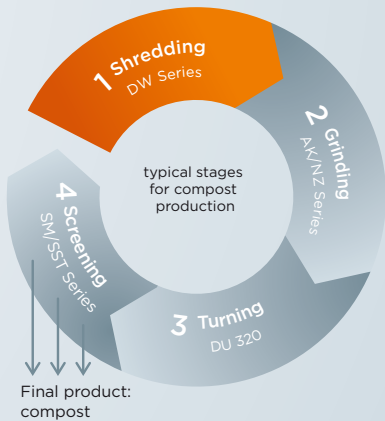
## SOLUTIONS FOR MANY MATERIALS

### MANY OPTIONS, MANY APPLICATIONS

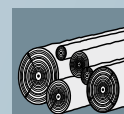
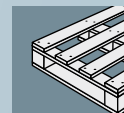
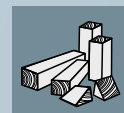
The shredders of the DW series process waste wood, roots, green waste, biowaste, garbage, bulky and industrial waste, construction waste and much more.

The DW shredders are suitable for various tasks in the fields of mechanical-biological processing, biomass, refuse-derived fuels and landfill reclamation.

### COMPOSTING, WASTE WOOD, GARBAGE AND REFUSE-DERIVED FUEL PROCESSING, VOLUME REDUCTION



Optional:  
Fe-separation,  
windsifting and  
further processing



# DW SERIES



## CONTROL PANEL

Control of all the functions for operation and maintenance. Change from manual to automatic operation.



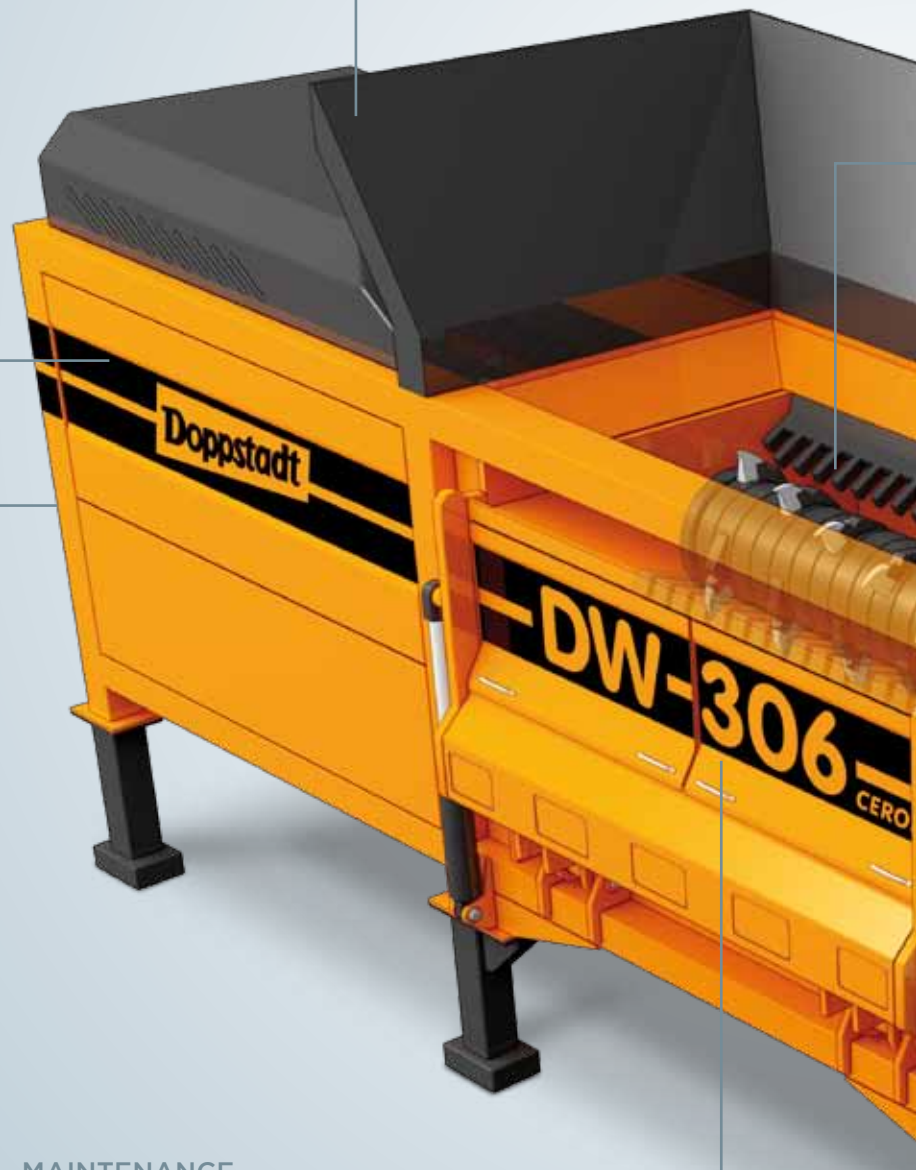
## DRIVE

Direct drive of the roller.



## HOPPER PLATES

Robust construction for feeding by wheel loader or excavator.



## CONTROL PANEL

Control panel\* for machine control with integrated rectifier and SPS for display of the automatic machine functions.



## MAINTENANCE

Good access for optimal maintenance.





### ROLLER AND SHREDDING COMB

Roller teeth tear the material through the hydraulically controlled shredding comb. The comb opens automatically in case of large unshreddable contaminants in order to protect the machine and reduce the tool wear. All the wear parts are easily replaceable with a quick-changing device.

### REMOTE CONTROL

All important functions of the shredder can be operated with the 16-channel remote control, e.g. by the wheel loader operator.

### COMB SIEVE SYSTEM (OPTIONAL)

For the refined shredding of certain materials the DW 306CERON is available with a comb sieve system.



### LOWER DISCHARGE CONVEYOR

The conveyor can be replaced by other discharge and conveying equipments.



\*option

# DW SERIES



## DW SERIES

### KEY BENEFITS

- Wide range of applications - shredding of various materials
- Resistant to damage by foreign objects
- Hydraulically controlled shredding comb for machine protection (ejection of foreign objects) guarantees high 'up-time' of running machine
- Low power consumption by way of direct motor drive
- Can be combined with other Doppstadt products
- One-man operation (remote control of main functions)



# DW 2060 E



## DW 2060 E

The solution of the most difficult shredding tasks is easy for the DW 2060 E with the hydraulically controlled shredding comb. It accomplishes its tasks with the single-shaft principle. Thanks to various, quickly replaceable tools, the DW 2060 E can easily be adjusted to the different shredding tasks. The efficient mechanic power transmission is carried out by a direct drive with planetary gear. Furthermore, highest flexibility for a quick and universal application is guaranteed.

<b>Total weight basic machine</b>		13,200 kg (29,101 lb)
<b>Drive</b>	type	AC motor
	power	132/160/250 kW
<b>Roller</b>	length	2,000 mm (6' 6")
	diameter	600 mm (2')
	no. of teeth	14
<b>Dimensions basic machine</b> Excluding: Hopper, Mounting Frame, Discharge Conveyor	L / W / H	6,150 / 2,000 / 2,520 mm (20' 2" / 6' 6" / 8' 3")



# DW 2560 E



## DW 2560 E

The DW 2560 E, with hydraulically controlled shredding comb, is the standard machine for household and wood waste processing - applications to which it is ideally suited. The machine accomplishes its tasks using a 'single shaft principle'. Quickly exchangeable cutting tools mean that that the DW 2560 E can be adapted for various shredding tasks. Efficient mechanical transmission is achieved by way of a direct drive with planetary gearing. Highest flexibility for speedy and universal applications is also guaranteed.

<b>Total weight basic machine</b>		20,000 kg (44,092 lb)
<b>Drive</b>	type	DC motor
	power	210/315 kW
<b>Roller</b>	length	2,500 mm (8' 2")
	diameter	600 mm (2')
	no. of teeth	17
<b>Dimensions basic machine</b>	L / W / H	6,600 / 2,500 / 3,150 mm
Excluding: Hopper, Mounting Frame, Discharge Conveyor		(21' 7" / 8' 2" / 10' 4")

# DW 3060 E



## DW 3060 E

The DW 3060 E is the ideal machine for domestic waste and waste wood processing. The DW 3060 E, with hydraulically controlled shredding comb, is the standard machine for household and wood waste processing - applications to which it is ideally suited. The machine accomplishes its tasks using a 'single shaft principle'. Quickly exchangeable cutting tools mean that the DW 3060 E can be adapted for various shredding tasks. Efficient mechanical transmission is achieved by way of a direct drive with planetary gearing. Highest flexibility for speedy and universal applications is also guaranteed.

<b>Total weight basic machine</b>		22,200 kg (48,943 lb)
<b>Drive</b>	type	DC motor
	power	315 kW
<b>Roller</b>	length	3,000 mm (9'10")
	diameter	600 mm (2')
	no. of teeth	21
<b>Dimensions basic machine</b>	L / W / H	7,180 / 2,550 / 3,150 mm
Excluding: Hopper, Mounting Frame, Discharge Conveyor		(23' 6" / 8' 4" / 10' 4")

# DW 4060 E



## DW 4060 E

The DOPPSTADT DW 4060 E with hydraulically controlled shredding comb is the ideal machine for high throughput in waste wood processing. It accomplishes its tasks with the single-shaft principle. Thanks to various, quickly replaceable tools, the DW 4060 E can easily be adjusted to the different shredding tasks. The efficient mechanic power transmission is carried out by a direct drive with planetary gear. Furthermore, highest flexibility for a quick and universal application is guaranteed.

<b>Total weight basic machine</b>		35,000 kg (77,162 lb)
<b>Drive</b>	type	DC motor
	power	380 kW
<b>Roller</b>	length	4,000 mm (13'1")
	diameter	600 mm (2')
	no. of teeth	27
<b>Dimensions basic machine</b>	L / W / H	8,250 / 2,550 / 3,410 mm
Excluding: Hopper, Mounting Frame, Discharge Conveyor		(27' / 8' 4" / 11' 2")

# DW 3080 E2



## DW 3080 E2

The special machine for heavy-duty applications is the DOPSTADT DW 3080 E2 with hydraulically controlled shredding comb. It accomplishes its tasks with the single-shaft principle. Thanks to various, quickly replaceable tools, the DW 3080 E2 can easily be adjusted to the different shredding tasks. The efficient mechanic power transmission is carried out by a combined V-belt direct drive with spur gear. Furthermore, highest flexibility for a quick and universal application is guaranteed.

<b>Total weight basic machine</b>		28,500 kg (62,832 lb)
<b>Drive</b>	type	DC motor
	power	315 kW
<b>Roller</b>	length	3,000 mm (9'10")
	diameter	800 mm (2'7")
	no. of teeth	21 (13)
<b>Dimensions basic machine</b>	L/W/H	6,800/2,700/2,340 mm
Excluding: Hopper, Mounting Frame, Discharge Conveyor		(22' 3"/8'10"/7' 8")

# DW 306 CERON



## DW 306 CERON

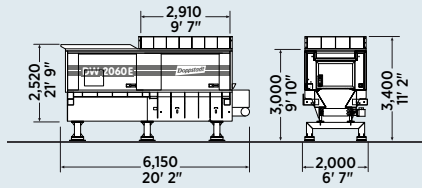
The DOPPSTADT DW 306 single-shaft shredder works on the slow-speed principle. It is mainly used for the coarse or pre-shredding of biowaste, industrial waste, waste wood and mixed construction waste. The extremely robust steel construction with fixing points for the drive unit, the shredding tools and other components guarantee stability and a long service life.

The DW 306 CERON is also available with a BioPower rotor and comb sieve (optional).

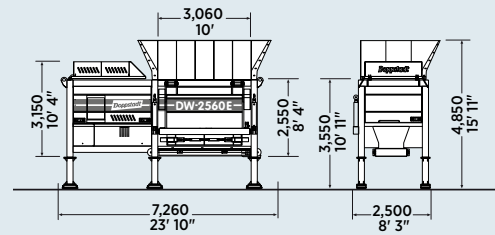
<b>Total weight basic machine</b>		30,000 kg (66,138 lb)
<b>Drive</b>	type	DC motor
	power	315/380 kW
<b>Roller</b>	length	3,000 mm (9'10")
	diameter	600 mm (2')
	no. of teeth	21 (13)
<b>Dimensions basic machine</b>	L / W / H	7,425 / 2,760 / 3,150 mm
Excluding: Hopper, Mounting Frame, Discharge Conveyor		(24' 4" / 9' / 10' 4")

# TECHNICAL DATA DW SERIES

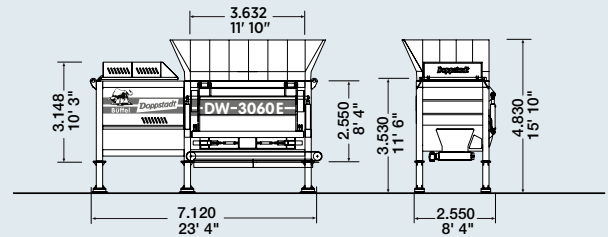
DW 2060 E



DW 2560 E



DW 3060 E

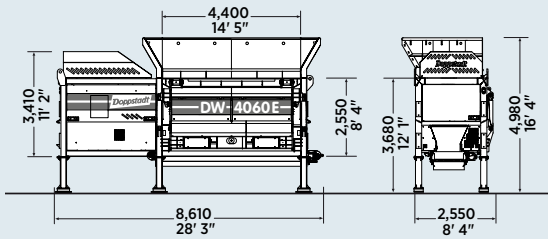


All dimensions shown in mm (ft/in)

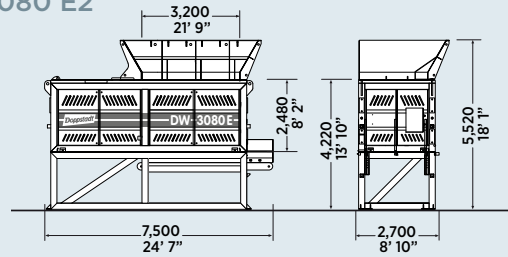
Model	DW 2060 E	DW 2560 E	DW 3060 E
<b>Drive</b>			
<b>Power/Type</b>	132 kW AC motor 160 kW AC motor 250 kW AC Motor	210 kW DC Motor 315 kW DC Motor	210 kW DC Motor 315 kW DC Motor
<b>Shredding roller</b>			
<b>Length</b>	2,000 (6' 6")	2,500 (8' 2")	3,000 (9' 10")
<b>Diameter</b>	600 (2')	600 (2')	600 (2')
<b>RPM</b>	23 rpm	7-28 rpm variable	7-28 rpm variable
<b>No. of teeth</b>	14	17	21
<b>Comb</b>			
<b>Length</b>	2,000 (6' 6")	2,500 (8' 2")	3,000 (9' 10")
<b>No. of teeth</b>	15	18	22
<b>Dimensions &amp; Weight</b>			
<b>Basic machine</b> (Length/Width/Height)Ex-cluding: Hopper, Mounting Frame, Discharge Conveyor	6,150 / 2,000 / 2,520 (20' 2" / 6' 6" / 8' 3")	6,600 / 2,500 / 3,150 (21' 7" / 8' 2" / 10' 4")	7,180 / 2,550 / 3,150 (23' 6" / 8' 4" / 10' 4")
<b>Total Weight</b>	13,200 kg (29,101 lb)	20,000 kg (44,092 lb)	22,200 kg (48,942 lb)
<b>Lower Discharge Conveyor</b>			
<b>Standard</b>	AA = 3,200 x BB = 800 [v = 1.8 m/s] (AA = 10' 5" x BB = 2' 7" [v = 5' 11"/s])	AA = 4,200 x BB = 1,000 [v = 2.0 m/s] (AA = 13' 9" x BB = 3' 3" [v = 6' 7"/s])	AA = 4,200 x BB = 1,000 [v = 1.9 m/s] (AA = 13' 9" x BB = 3' 3" [v = 6' 3"/s])
<b>Option</b>	AA = 6,300 x BB = 800 [v = 1.8 m/s] (AA = 20' 8" x BB = 2' 7" [v = 5' 11"/s]) reversible	AA = 7,800 x BB = 1,000 [v = 1.8 m/s] (AA = 25' 7" x BB = 3' 3" [v = 5' 11"/s]) reversible	AA = 7,800 x BB = 1,000 [v = 1.9 m/s] (AA = 25' 7" x BB = 3' 3" [v = 6' 3"/s]) reversible
<b>Optional equipment</b>	hopper plates on 3 or 4 sides, mounting frame, operating platform, comb extension, damping down facility (dust suppression), remote controls, special coating, profibus interface	hopper plates on 3 or 4 sides, mounting frame, operating platform, comb extension, damping down facility (dust suppression), remote controls, special coating, profibus interface	hopper plates on 3 or 4 sides, mounting frame, operating platform, comb extension, damping down facility (dust suppression), remote controls, special coating, profibus interface

As of May 2012 - subject to technical alterations. The specifications are approximate. Illustrations and descriptions might include options that are not part of the standard equipment.

## DW 4060 E



## DW 3080 E2



## DW 306 CERON

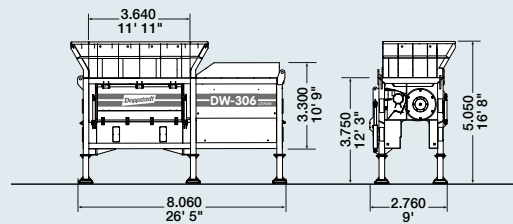


Illustration show machine mounting frames and discharge conveyors.

### DW 4060 E

### DW 3080 E2

### DW 306 CERON

380 kW DC motor

315 kW DC motor

315 kW DC motor  
380 kW DC motor

4,000 (13'10")

3,000 (9'10")

3,000 (9'10")

600 (2')

800 (2' 7")

600 (2')

7-28 rpm variable

7-28 rpm variable

7-28 rpm variable

27

21 (13)

21 (13)

4,000 (13'10")

3,000 (9'10")

3,000 (9'10")

28

22 (14)

22 (14)

8,250/2,550/3,410  
(27' / 8' 4" / 11' 2")

6,800/2,700/2,340  
(22' 3" / 8' 10" / 7' 8")

7,425/2,760/3,150  
(24' 4" / 9' / 10' 4")

35,000 kg (77,162 lb)

28,500 kg (62,832 lb)

30,000 kg (66,139 lb)

AA = 5,300 x BB = 1,000 [v = 1.9 m/s]  
(AA = 17' 5" x BB = 3' 3" [v = 6' 3" / s])

AA = 4,200 x BB = 1,000 [v = 2.0 m/s]  
(AA = 13' 9" x BB = 3' 3" [v = 6' 7" / s])

AA = 4,500 x BB = 1,200 [v = 2 m/s]  
(AA = 14' 9" x BB = 3' 3" [v = 6' 3" / s])

AA = 9,150 x BB = 1,000 [v = 1.9 m/s]  
(AA = 30' x BB = 3' 3" [v = 6' 3" / s])  
reversible

AA = 7,800 x BB = 1,000 (v = 1.9 m/s)  
(AA = 25' 7" x BB = 3' 3" [v = 6' 3" / s])  
reversible

AA = 8,300 x BB = 1,200 [v = 2 m/s]  
(AA = 27' 3" x BB = 3' 11" [v = 6' 7" / s])  
reversible

hopper plates on 3 or 4 sides,  
mounting frame, operating platform,  
comb extension, damping down facility  
(dust suppression), remote controls,  
special coating, profibus interface

hopper plates on 3 or 4 sides,  
mounting frame, operating platform,  
comb extension, damping down facility  
(dust suppression), remote controls,  
special coating, profibus interface

hopper plates on 3 or 4 sides, mounting frame,  
operating platform, comb extension, damping  
down facility (dust suppression), remote controls,  
special coating, profibus interface

AA = Conveyor length, BB = Conveyor width

**Doppstadt Systemtechnik GmbH**

Steinbrink 4  
42555 Velbert  
Germany

Phone: +49 (0)2052 889-0  
Fax: +49 (0)2052 889-157  
E-Mail: [systemtechnik@doppstadt.de](mailto:systemtechnik@doppstadt.de)  
Internet: [www.doppstadt.com](http://www.doppstadt.com)



**WE CARE**