



ClassiSizer

Application

- Particleboard industry
- Pellet and briquette industry
- Biomass and renewable fuels (e.g., substrates for biogas production)
- Dust for combustion (energy and heat generation)
- WPC/WFC industry
- Recycling industry (wood and non-wood)
- Refuse-derived fuel (RDF)

Description

The ClassiSizer reduces input materials to the desired particle size in one step. The material is fed from above into the impact chamber where it is resized with high kinetic energy by the fast rotating rotor and interaction of the particles. The final calibration of material is realized by screens, perforated according to the application. The endproduct is collected in two discharge boxes and fed out by screws.

Customer benefits

- Input material ranging from small wooden particles to offcuts
- Feeding of inhomogeneous material mix possible
- Variable particle size and geometry of final material due to use of screens with different mesh sizes
- Energy-efficient size reduction due to impact technology (high kinetic energy)
- Easy maintenance due to direct access to the impact chamber
- Essential parts of the machine wear protected and easy exchangeable

Technical features

- Polygonal design of the impact chamber with wear-resistant flat screens for optimal impact effect, easy exchange of individual screen segments
- Rotor with impact elements; different adjusting angle and shape of impact elements depending on application
- Different drive concepts (direct drive, drive via gear box), according to the application
- Fulfillment of ATEX requirements due to different safety concepts (Q-boxes or explosion vans)
- Stand-alone unit; on-floor installation

ClassiSizer – Dust Preparation

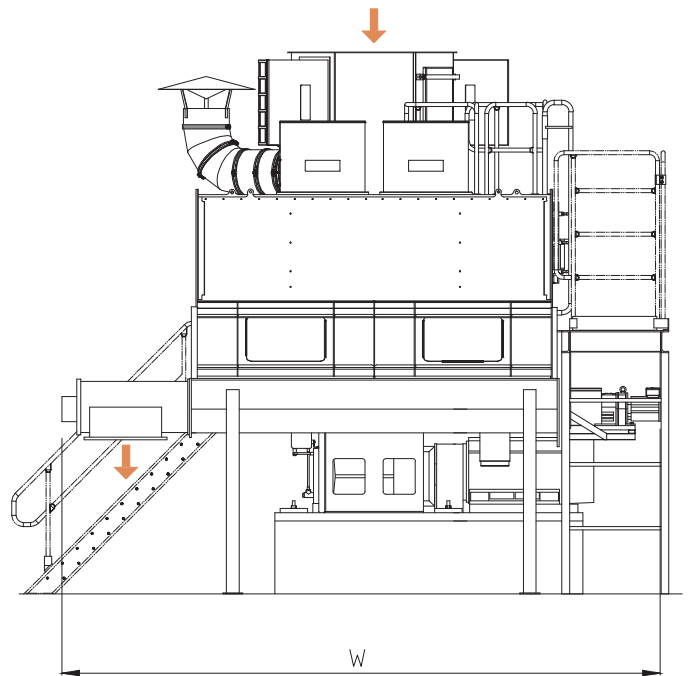
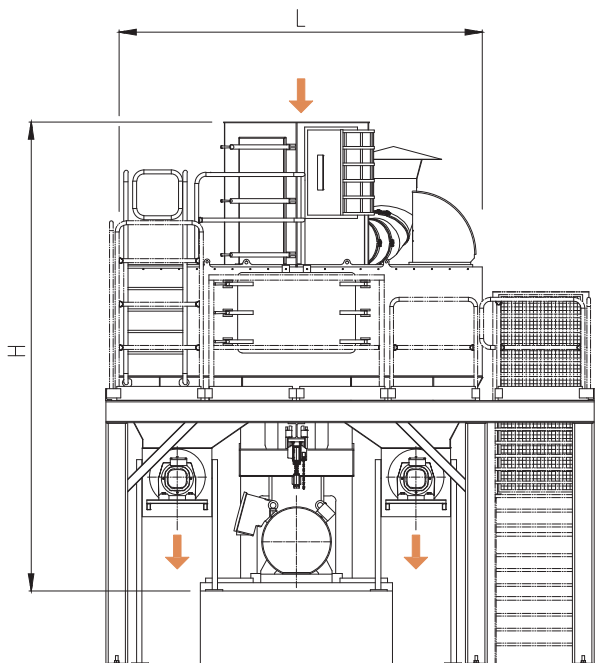
Type	Capacity ¹ approx. t/h b.d.	Rotor beating diameter mm	Number of im- pact elements pcs.	Installed power ¹ kW	Number of screens pcs.	Dimensions ² m (L x W x H)	Weight ³ approx. t
CS 1200	1 – 1.5	1,100	10	132 – 250	12	3.0 x 5.5 x 4.1	14
CS 1600	2 – 3.5	1,500	10	250 – 355	16	3.7 x 6.2 x 4.9	28
CS 2000	3 – 5.0	1,860	12	355 – 630	14	4.1 x 6.6 x 5.2	36

1) Maximum values achieved when processing dry material (e.g., micro-chips, flakes, pre-crushed board residues) using 1.8 mm screens.

Various screen perforations possible. Capacity depends on input and size of output material.

2) Dimensions of basic machine include screw conveyor without infeed chute and steelwork

3) Weight without motor and steelwork



See ClassiSizer on YouTube

DIEFFENBACHER

MAIER