

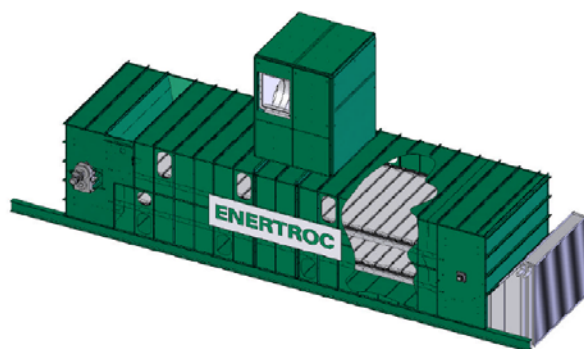


ENERTROC Plate-belt dryers

Our **ENERTROC** plate-belt dryers can be used to dry different kinds of biomass, such as woodchips, remainders from biogas AD plants, sewage sludge,...

The drying material is processed on the plate-belt through a inlet hopper. A distribution conveyor provides the even distribution of material over the entire surface. The plate-belt consists of plates made of perforated, powder coated tin or stainless steel. By turning down the plates at the belts end, the drying material is shifted to the lower level. Thus the belts surface is used in both directions of travel, which has for the advantage that the footprint of the dryer is comparatively small.

The dryer is modular designed. Between the racks for the drive gears and guide rollers more ore less belt elements are installed.



The processing of the drying air is done by an exhaust air fan. Optionally this can be equipped with variable frequency drive. A dust filter for the exhaust air or biofilter can be connected at the outlet side, if necessary.

The heating is done by low pressure hot water with 90°C via a heat exchanger coil mounted on the same baseframe with the dryer. Our **ENERTROC** Plate belt dryers therefore can idially be used in connection with CHP´s. Especially in German Biogas AD plants a bonus on the feed in tarrif for combined heat and power can be achieved by utilizing this technology. In connection with our **ENERBRIK** Briquetting presses, valuable fuel briquettes can be produced. Depending on the material analysis the briquettes can also be used as a fuel in the **ENERCARB** Woodgas Heat and power plants.

Type	Water-evaporation [kg/h]	required thermal power [kW]	Airflow [m³/h]	Fan electric power demand [kW]	Dimensions L x B x H [m]
ENERTROC 550	130-160	132-198	16.000	11	7,5 x 3 x 3,9
ENERTROC 700	190-280	240-360	24.000	17,5	9 x 3 x 3,9
ENERTROC 900	240-360	317-462	30.000	22	11 x 3 x 3,9

*Air flow and fan power demand are depending on the conditions of the drying material

All data on this sheet is for information only and not binding. Guaranteed are only the values in the commercial quotation.