



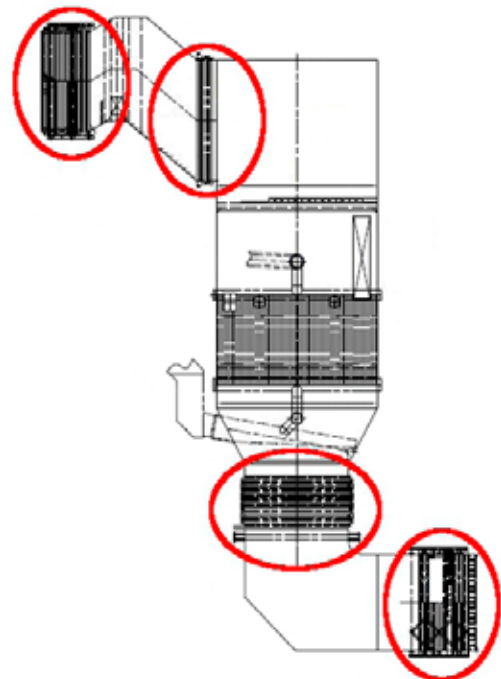
Economiser Metallic Bellows

Lünen Powerplant



Output: 750 MW
Efficiency : ~ 46 %
Operating hours: 8000
Boiler house: 104m
Cooling tower: 160m
Total costs: 1.4 Billion Euro

DEKOMTE supplied for the new construction of the coal-fired power plant at Lünen 4 expansion joints that have been installed amongst others at the boiler outlet, in front of the economiser and in front of the DENOX. The single-layer metal expansion joints have been manufactured by DEKOMTE in one piece and were transported directly to the power plant's own harbour by means of heavy load and shipping.



Installation position of the 4 large expansion joints

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Temperature: 450°C
Movement: - axial: -130mm
- lateral: +/- 25mm
Dimensions: 23m x 5m x 2,0m
Weight: ~ 40 tons



Temperature: 450°C
Movement: - axial: -130mm
- lateral: +/- 25mm
Dimensions: 21m x 5m x 2,8m
Weight: ~ 40 tons