



Ence Puertollano. Spain Biomass Boiler

Design / Fabrication

Design ENSO Global Energy Solutions

Design Code ASME
CE marked Acc.to 2014/68/CE
European Directive

Built in Spain

Grate Detroit Stoker Company (USA)

Delivery schedule 24 months from Notice to Proceed

Design Fuel Forest and agricultural residue
(P100 F25) and Dried olive cake.

(1) If necessary (for instance in the case of MSW boilers) we can provide the boiler with the needed gas cleaning system (SCR, SNCR, etc.) in order to fulfil the legal emissions levels.

Technical Data

Pressure 103 bar

Temperature 485°C

Steam Production 124,600 kg/h

Thermal power 111.9 MWt

Gas Cleaning System Multicyclon + Bag Filter

Emission expected values¹ With 6% O₂

CO 160 mg/Nm³

NOx 140 mg/Nm³

Type of Boiler Water tube Boiler
Natural circulation

Type of Grate Vibrating Water Cooled

Steam Cycle Complex Cycle
1 Phase Reheating

Support Bottom Supported

Feed-in system Spreaders

Ash extraction Wet Redler

Flue gas 169,566 Nm³/h

Availability 8,000 h

Guaranteed Efficiency 91%



Polígono Industrial Salinas de Levante
C/ Doctor Pariente, Nave 24
11500 - El Puerto de Santa María. Cádiz (Spain)
T.: +34 856 590 590

@enso_solutions

