

Country: **Netherlands**

Total number of plants: 1
 with co-firing: 0
 fossil fuels for co-firing:

Locations (+database No.):

Schijndel (105).

Year of construction	No.	
before 1995	1	100 %
1995 - 2000	0	0 %
after 2000	0	0 %
unknown	0	0 %

Type of power generation	No.		Fuels	No.*	
Steam turbine:	1	100 %	Woodchips (forest residues):	1	50 %
Steam engine:	0	0 %	Woodchips (saw industry):	1	50 %
Organic rankine cycle:	0	0 %	Paper sludge:	0	0 %
Stirling engine:	0	0 %	Waste wood:	0	0 %
Hot air engine:	0	0 %	Bark:	0	0 %
Gas engine:	0	0 %	Peat:	0	0 %
Gas turbine:	0	0 %	Straw:	0	0 %
Other (or n.a.):	0	0 %	Other (or n.a.):	0	0 %

Character of plants	No.		Electric power	No.	
Testing plants:	0	0 %	<1MW:	0	0 %
Pilote plants:	0	0 %	1MW - <5MW:	1	100 %
Demonstration plants:	1	100 %	5MW - 20MW:	0	0 %
Commercial plants:	0	0 %	>20MW:	0	0 %
unknown:	0	0 %	unknown:	0	0 %

*) double counting possible because some CHP plants might use more than one fuel

Name: CHP Schijndel

Database No. 105

Basic Info	
Country:	Netherlands
Location:	Schijndel
Character of plant:	Demonstration plant
Owner:	n.a.
Contact Person:	Mr. Van Roy
Telephone:	+31/ 7354/ 78175
Fax:	+31/ 7354/ 7315
email:	n.a.
webpage:	n.a.
Year of construction:	1995

Technology		Fuel	
Type of power generation:	Steam turbine	Total fuel input:	n.a. t/a
Electric power:	1 MW _{el}	Tot. lower heating value:	3 kWh/kg
Thermal power:	2,5 MW _{th}	Moisture content:	3 % wet
Co-firing:	N		
Fuel conversion:	Combustion	Type of fuel 1:	Woodchips (saw industry)
Annual production electricity:	7 GWh/a	Share of fuel 1:	n.a. %
Annual production heat:	15,5 GWh/a	Input of fuel 1:	n.a. t/a
Electric efficiency:	16,7 %		
Thermal efficiency:	41,6 %	Type of fuel 2:	Woodchips (forest residues)
Total efficiency:	58,3 %	Share of fuel 2:	n.a. %
Ratio electricity/ heat:	0,40	Input of fuel 2:	n.a. t/a
Fuel power:	6 MW _{fuel}		
<i>Boiler (if steam technology)</i>		Type of fuel 3:	-
Steam mass flow:	n.a. t/h	Share of fuel 3:	- %
Steam temperature:	420 °C	Input of fuel3:	- t/a
Steam pressure:	28 bar		

Costs		Emissions	
Investment costs:	2,6 Mio €	CO:	n.a. mg/Nm ³
Spec.investment costs (elec):	2,6 Mio€/MW _{el}	NO _x :	n.a. mg/Nm ³
Fuel costs:	n.a. €/t	Particles:	n.a. mg/Nm ³
Subsidies:	n.a. Mio €	C _x H _y :	n.a. mg/Nm ³
Number of employees:	n.a.	SO ₂ :	n.a. mg/Nm ³

Source:

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n.a.... not available