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For Sale:	Pre-owned 5 MW Steam turbine Backpressure with extraction
Ref.-No:	STG-29.01

Turbine Manufacturer

AEG- Kanis
Turbine type VE 20
Year of Manufacturing 1980
Rating max. 5 040 kW
Rotation speed 11 932 rpm
Live steam pressure norm / max 60 / 88 bar
Live steam temperature norm / max, 450 / 458 deg C
Extraction pressure 11 – 17 bar
Live steam flow 35 t/h
Extraction flow 17 – 32 t/h
Exhaust steam flow max. 20 t/h
Exhaust pressure 0,7 – 1,1 bar
Condensation capacity: 22 t/h at 1 bara.

Generator manufacturer

AEK / LDW
Rotation speed 1 500 rpm
Rating 6 720 kVA
Power factor 0,75
Voltage 3 150 V

Load points

Live steam pressure	bar	60	60
Live steam temperature	dec C	450	450
Live steam flow	t/h	35	35
Extraction pressure	bar	16	17
Extraction flow	t/h	15	15
Exhaust pressure	bar	0,7	1,1
Extraction flow	t/h	20	20
Output at terminal	kW	5 040	
Steam consumption	kg/kWh	6,95	

Condition

The plant has been renovated according to needs and documentation for the last two overhauls are available. Also the generator has been renovated in the last 4 years. Totally we have invested more than € 700.000 in the period from 2007 and up to 2011. Plant is in good condition. It has still hydraulic control system and this may be modernized with electronic control system. Also the condensate control system should be refurbished.

Budget Price

On request

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