

P.O.Box 130571
20105 Hamburg/Germany

Tel. +49 40 33441944
Fax +49 40 33441945

www.lohrmann.com
info@lohrmann.com

| | |
|------------------|--|
| For Sale: | Pre-owned 11 MW Steam Turbine Generator - Condensing Type - |
| Ref.-No: | STG-29.46 |

Condensing Steam Turbine Generator, Installation of bleeding and / or input of steam is possible. Nozzles are blinded. Year of installation 2001

Turbine

| | |
|---------------------------|---|
| Type | B+V Industrietechnik GmbH Hamburg MARV 2 – COO |
| Live steam parameters | bara 46, °C 450, flow kg/h 49.000 |
| Wheel chamber pressure HP | bara 32.8, °C 414 |
| Bleeding HP | bara 19.7 , °C 345 , maximal kg/h 8.000 |
| LP-Steam Input | maximal, kg/h 8.000, bara 10 bis 12. °C 300 |
| Exhaust | bara 0.36, °C 73, kg/h 48.900 |
| Output at wheel | kW 11.260 |
| Rotating speed | 1/min 11.217 |

GENERATOR

| | |
|------------------|---|
| Type | ELIN, Weiz, Austria |
| Insulation class | HTM – 180 EOU, B3 (IM 1001) |
| Cooling | F |
| Rating 1 | Air / water (exchanger redundant 4x 50% |
| Rating 2 | cos phi 1= kW 10.850 |
| Voltage | cos phi=0.8 kVA 13.563 |
| Rotation speed | V 6.300 +/- 5 %, Frequenz Hz 50 |
| | 1/min 1500 |

Gear

| | |
|----------------|--|
| Rotation speed | BHS-Cincinnati, Type RTP 72 – III Planetengetriebe |
| Efficiency | 1/min 11.217 / 1 500 |
| | 99,1 % |

Condensing System

| | |
|-----------------------------|------------------------------|
| Vakuum Pumps | Water- Ring 2 x100 % |
| Kondensatpumps | 2 x 100 % |
| Condenser surface | m ² 325 |
| Steam flow | kg/h 48.900 |
| Condenser parameter | bara 0,36 - oC 73 |
| Cooling water inlet | °C 35 /25 Sommer/Winter |
| Cooling water outlet | °C 45,6 / 35,6 Sommer/Winter |
| Cooling water flow | kg/h 667 |
| Rating | MW 29,705 |
| Dimension, length /Diameter | mm ca 7.000 / mm 1400 |
| Weight | kg 10.300 |

Condition

Installed in 2001, main revision 2005, 32 000 operation hours, all equipment in good condition

Budget Price

On request

This document contains confidential information intended only for the use of the addressee. If you are not the intended recipient of this information then you are hereby notified that any use, dissemination, distribution or reproduction of this message is prohibited. If you have received this communication in error, please contact the sender immediately and delete this material in its exhibits.