## Data Sheet

| Serial number   | 1                                     | PG 9171E  Year 2001            |
|---|---------------------------------------|--------------------------------|
|   |                                       |                                |
| GT Type   | Frame 9                               | 7                              |
|   |                                       | 7                              |
| stages axial compressor<br>Combustion chambers        |                                       | Single shaft Velocity 3000 rpm |
|   |                                       | -                              |
| System Nox reduction<br>Stages turbine                |                                       | -∤                             |
| Stages turbine  |                                       | ets and nozzles) with cooling  |
|   | Stage 1 and 2 (buck                   | oto and nozzies/ with cooling  |
|   |                                       | Fuel Natural gas               |
| Bearings ellitic journal (#1                          | and #2) tilting pad (#3               |                                |
| 5   |                                       | -                              |
| with Compresso  | or Inlet conditions:                  |                                |
| _   | [4500                                 | ¬                              |
| Temperature   |                                       | 4                              |
| Rel Humidity  |                                       | Emissions at 02 MM/(avarage)   |
| Pressure  | 1.013 bar                             | Emissions at 93 MW (average)   |
| Design Output   | 123400 kW                             | Nox 23 mg/Nm3                  |
| Design heat rate (LHV)                                |                                       | CO 20 mg/Nm3                   |
| Design heat cons (LHV)                                |                                       |                                |
| Design exhaust flow                                   |                                       | Efficiency 30%                 |
| exhaust temperature                                   | 515°C                                 |                                |
|   |                                       |                                |
|   |                                       |                                |
| Materials   |                                       |                                |
|   | cast iron                             | Rotor steel Cr-Mo-V            |
|   | · · · · · · · · · · · · · · · · · · · | <u> </u>                       |
| Compressor blades                                     | AISI 403 (with Ni-Cd                  | stages 1+8)                    |
| E   | EEV 414                               | 7                              |
| first stage nozzles<br>second and third stage nozzles |                                       | -                              |
| second and third stage nozzies                        | GTD 222<br>GTD 111 with Plasm         | aquard GT29 plus               |
| second stage buckets                                  | GTD 111 Willi Flash                   | aguard G129 pros               |
| third stage buckets                                   |                                       | ┥                              |
| Exhaust diffuser                                      |                                       | Ⅎ                              |
|   |                                       |                                |

Last major overhaul 2009

Operating hours [

70000