

## 1. Basic Details

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|--|-----------------------------|
| 1. Type of turbine   | ПЛ 60/5a-B-410              |
| 2. Turbine output at rated pressure head                       | 70000 kw                    |
| 3. Net pressure head:  |                             |
| a) Maximum   | N Max. = 67 m               |
| b) According to rated output                                   | N rated = 59 m              |
| c) Minimum   | N min. = 57 m               |
| 4. Consumption at rated pressure head and power                | Q = 132 m <sup>3</sup> /sec |
| 5. Nominal speed of rotation                                   | Пн = 187,5 rpm              |
| 6. Runaway speed, not more than                                | Пy = 390 rpm                |
| 7. Direction of rotation (from the generator's side)           | Right                       |
| 8. Maximum axial pressure from turbine to generator's abutment | P=910 t                     |
| 9. Maximum permissible absorption height                       | Hs = -8.8 m                 |
- (For rotary-blade turbines - from the axis of blade rotation to the level of the tailrace, for radial-axial turbines - from the middle line of the spiral chamber to the level of the tailrace)
10. Operation in synchronous compensator mode is not provided.
11. Oil-pressure equipment type MHY – 5,6 – 1/40
12. Regulator Andz: tz Hidro - drawing (TURBINE GOVERNOR)