

GTA-16GT AND GTA-18GT GAS TURBINE GENERATOR SET



The units are designed for thermal and electrical power generation. The units are driven by PS-90 gas turbine engine (manufactured by UEC-Perm Engines) and AL-31ST gas turbine engine (manufactured by Ufa Engine Industrial Association (UMPO)).

The equipment can be manufactured either of outdoor or indoor design.



| Technical features | | |
|---|------------------|----------|
| Drive | PS-90EU-16A | AL-31STE |
| Drive manufacturer | UEC-Perm Engines | UMPO |
| Rated output, MW | 16 | 18 |
| Voltage at generator terminals, kV | 6.3 / 10.5 | |
| Efficiency at gas turbine shaft, (site conditions), % | 35 | 36 |
| Fuel utilization factor (cogeneration), % | 86,7 | 86.37 |
| Gas fuel flow rate at nominal rating, kg/h | 3 300 | 3 600 |
| Overhaul life expectancy, h | 25 000 | 25 000 |
| Assigned life expectancy, h | 100 000 | 100 000 |
| Overall dimensions, m | 14.6 x 3.6 x 3.8 | |