



The TTS 1400 and TTS 1100 Turbines

The TTS 1400 and TTS 1100 turbines were designed for the helicopter employment. They are rather indentially constructed besides different achievements. The TTS 1400 and TTS 1100 turbines are among the best in their category. It was brought by research and experience for many decades on world-best-standards. The machine is distinguished by great stability and simple handling and was a 1,000 times built in the famous UH-1 helicopter and its successors by Bell.

Description of construction:

Combination Compressor: 5-Stage Axial, 1-Stage Centrifugal
4-Stage Axial Flow Turbine including: 2-Stage Gas Producer (compressor drive) Turbine,
2-Stage Power (free) turbine
Annular, Reverse Flow

Name	TTS 1400
Engine Type	Turbine
Model	TTS 1400
Rated Power (PS / kW)	1.400 / 1.044
Length	1.209 mm
Width	584 mm
Height	688 mm
Weight	245 kg
Consumption	appr. 260 gr/PS per hour at full speed

Name	TTS 1100
Engine Type	Turbine
Model	TTS 1100
Rated Power (PS / kW)	1.100 / 808
Length	1.209 mm
Width	584 mm
Height	688 mm
Weight	245 kg
Consumption	appr. 260 gr/PS per hour at full speed