



# TJE-200

*A reliable jet engine with an axial compressor and a simple design*

Bearing in mind the uses of medium-thrust and high-thrust expendable turbojet engines, EDePro developed the TJE-200 turbojet. The engine contains a straight-flow combustor with pressure-swirl atomizers, a single-stage axial turbine – and one of the smallest three-stage axial compressors. As for starting, it can be done by a pneumatic starter, a pyrostarter and windmilling. Its ignition and starting system, autonomous oil and fuel system, as well as other original characteristics, make the TJE-200 a first-rate turbojet on today's market.

## MAIN FEATURES

- » compactness and small dimensions
- » a design applicable to high-thrust TJEs
- » no oil system
- » total life time  $\geq 50$  h
- » number of starts  $\geq 50$

## TECHNICAL SPECIFICATIONS

Parameters	Metric
Max. Thrust	185 daN
Specific fuel consumption	1.35kg/daN.hr
Electric generator	1 kW at 27-29 V DC
Max. EGT	730 °C
Control system	ECU

Dimensions and mass	Metric
Max. diameter	270 mm
Length	833 mm
Dry weight	35 kg

Envelope	Metric
Max. operating altitude	10 000 m
Max. starting altitude	5 000 m
Max. airflow rate	3.8 kg/s
Operating temperature	-40/+50 °C
Max. Mach number	0.9



KEROSENE  
LUBRICATION



PYROSTARTER



PNEUMATIC  
STARTER



SPARK  
PLUG

