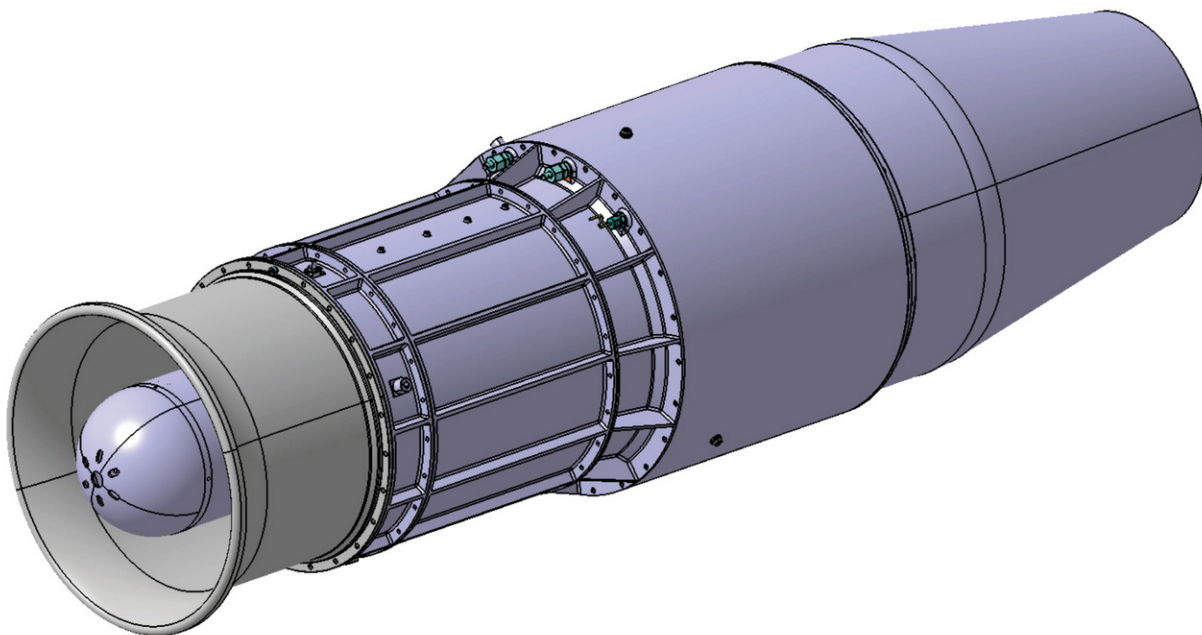


TJE-400

TURBO JET ENGINE

TJE-400 CONSISTS OF FOUR
STAGE AXIAL COMPRESSOR,
ANNULAR COMBUSTION CHAMBER
AND SINGLE STAGE AXIAL TURBINE.

ENGINE MAXIMUM TRUST IS 398daN



EDePro 
Engine Development & Production

EDePro Contact Details - Sales and Business Development - 33 Kralja Milutina Street, 11000 Belgrade/SRB
ph: +381 11 787 1380 | fax: +381 11 787 1384 | e-mail: office@edepro.com | www.edepro.com

TURBO JET ENGINE TJE-400

MEET THE TJE-400

TURBO JET ENGINE



TJE-400 consists of four stage axial compressor, annular combustion chamber and single stage axial turbine.

Engine maximum speed is 28650 RPM.



MAX THRUST AT SEA LEVEL 398daN



RPM 28,650



MAXIMUM DIAMETER 330mm

TECHNICAL SPECIFICATION

MAXIMUM THRUST AT SEA LEVEL 398daN

SPEC. FUEL CONSUMPTION AT SEA LEVEL (INC. BEARING LUBRICATION) 1.19 kg/daN.hr

STARTING AND IGNITION SYSTEM FOR FLIGHT START WINDMILLING AND ELECTRIC IGNITER OR PYRO IGNITER

STARTING AND IGNITION SYSTEM FOR GROUND START AIR START OR PYRO STARTER, ELECTRIC IGNITER OR PYRO IGNITER

NUMBER OF STARTS ≥ 50

MAXIMUM DIAMETER 330mm

LENGTH (FROM INTAKE TO NOZZLE) ≤ 1200 mm

DRY WEIGHT ≤ 65 kg

MAXIMUM START ALTITUDE 6,000m AT Mach ≥ 0.5

MAXIMUM OPERATING ALTITUDE 10,000m

MAXIMUM MACH NUMBER ≤ 0.9

FUEL JET A1 (5% OF TURBO OIL)

AIR FLOW RATE AT 100% RPM 7kg/s

OPERATION TEMPERATURE $-40^{\circ}\text{C}/+50^{\circ}\text{C}$

GENERATOR POWER 3.5kW, 27-29V

LUBRICATION SYSTEM AIR-KEROSENE MIST SPILL OUT SYSTEM

CONTROL SYSTEM DIGITAL ECU

TOTAL LIFE TIME ≥ 50 h

