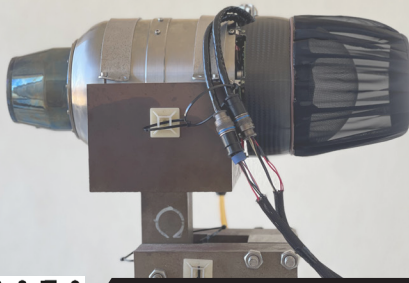


TZR 400 TURBOJET ENGINE



*a compact fully
redundant turbojet
engine with multiple
use cases*

ZAPATA

The TZR jet engine powers all our flying platforms. It was **designed in-house** to meet the **demanding requirements of manned VTOL flight**. We performed extensive R&D work **in partnership with ONERA** focusing mainly on three aspects: **redundancy, efficiency and TBO**.

SPECIFICATIONS

L x D (mm)	318 x 146
Weight	3,1 kg
Fuel	Jet A1 + 4% oil

PERFORMANCES

Thrust	430N
SFC	0.155 kg/N/h
TBO	100 hours

FEATURES:

- ☒ Dual fuel pumps
- ☒ Dual electronics
- ☒ Dual double power supply
- ☒ Triple RPM sensors
- ☒ Bearing cooling through fuel circulation, improving TBO and efficiency
- ☒ Air circulation through the shaft to allow additional lower bearing cooling

MILITARY USE CASES:

- ☒ VTOL platforms
- ☒ Drones (ex: target drones)
- ☒ Cruise missiles
- ☒ Loitering munition

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