

PROPULSÃO I

Turbofan

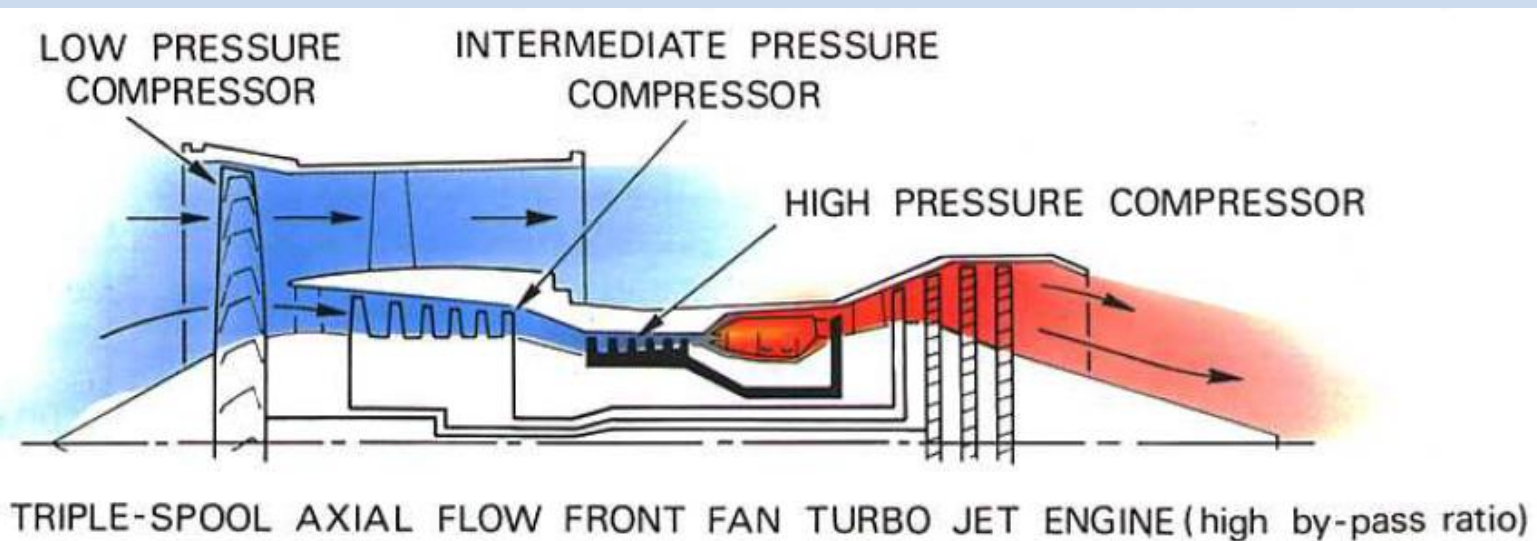
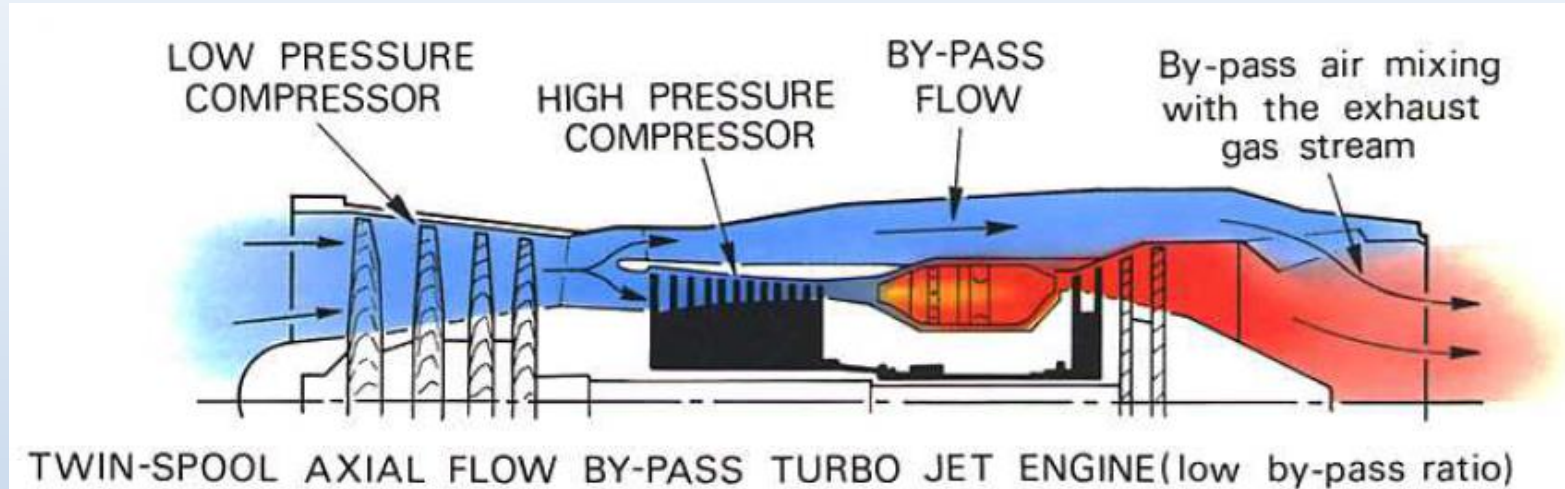
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- ❑ Escoamento Interno
- Compressível
- Subsônico/Transônico

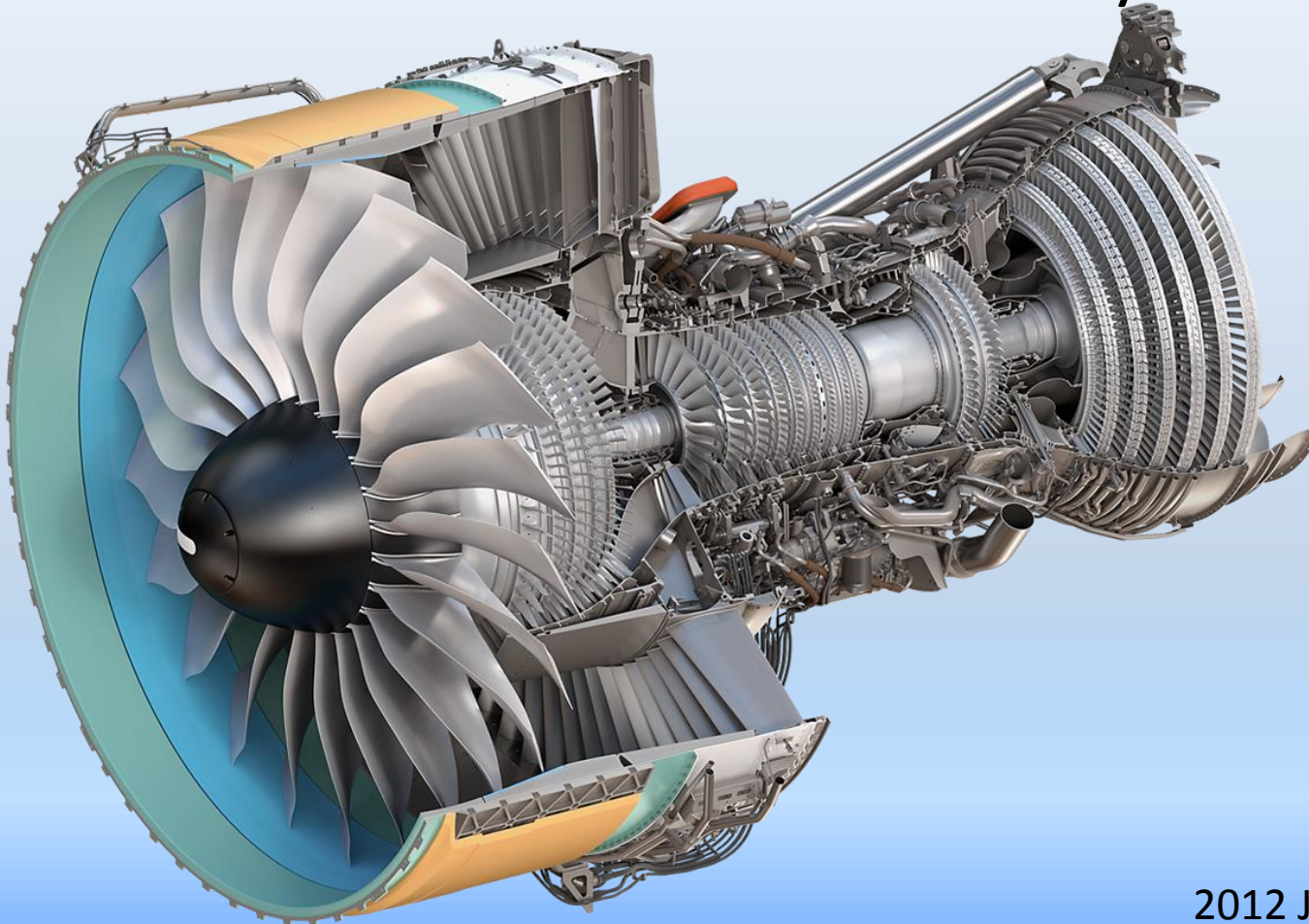
Turbofan



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□ Histórico

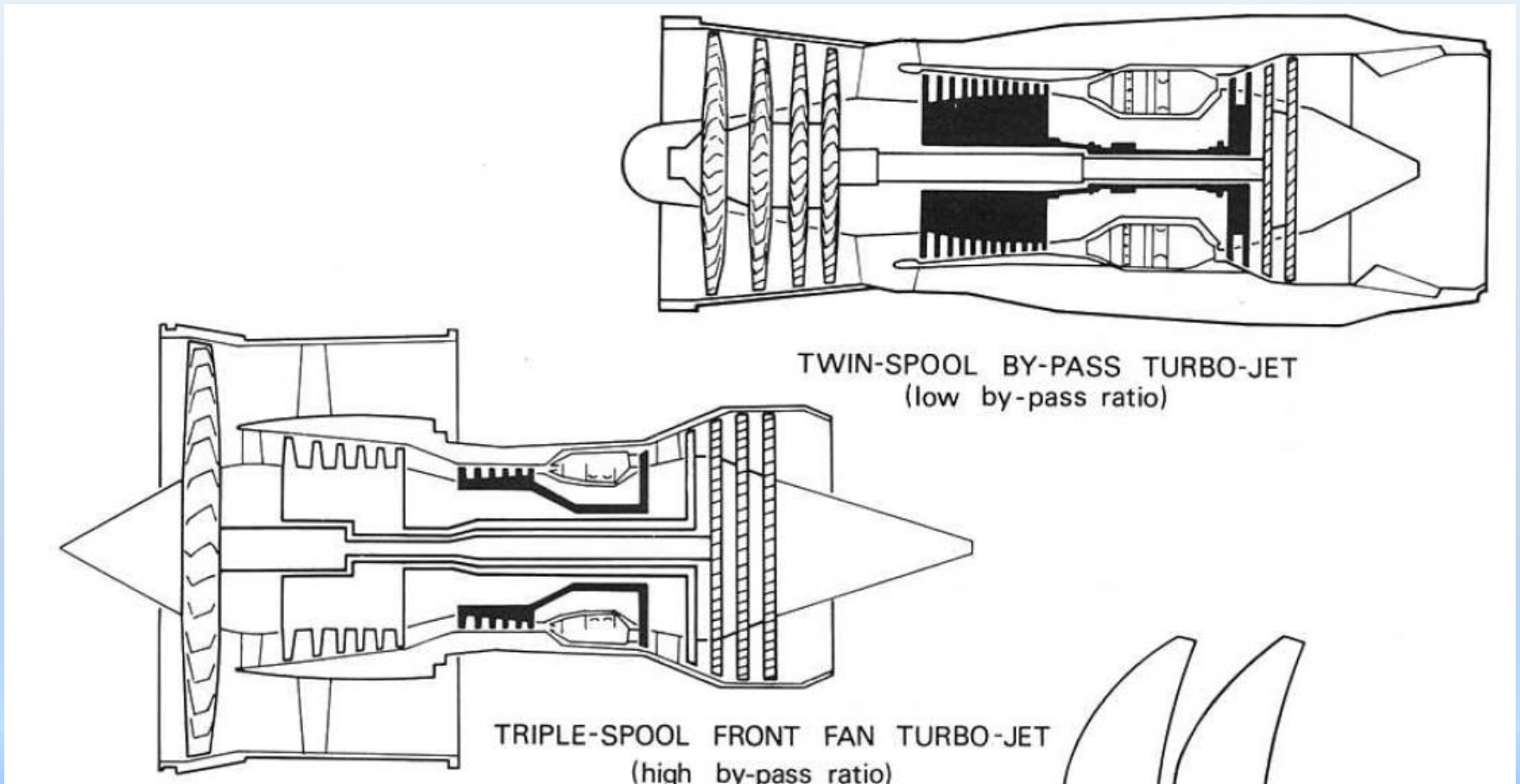
- Daimler-Benz DB 007, 1943
- General Electric TF39, 1964
- Rolls-Royce Trent 700, 1990



☐ Tipos

- Baixa razão de derivação (dois eixos)
- Alta razão de derivação (três eixos)

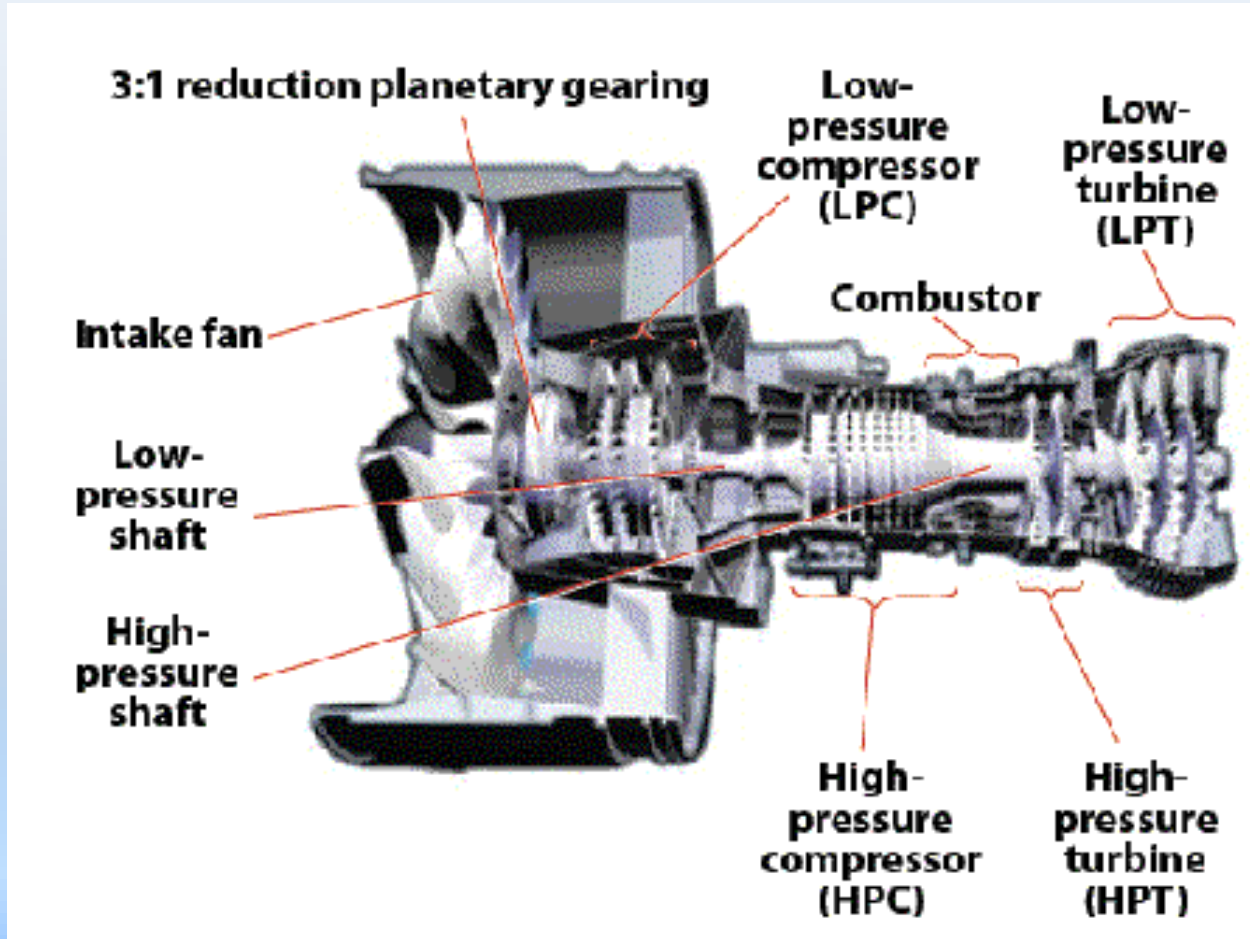
Turbofan



Turbofan

□ Tipos

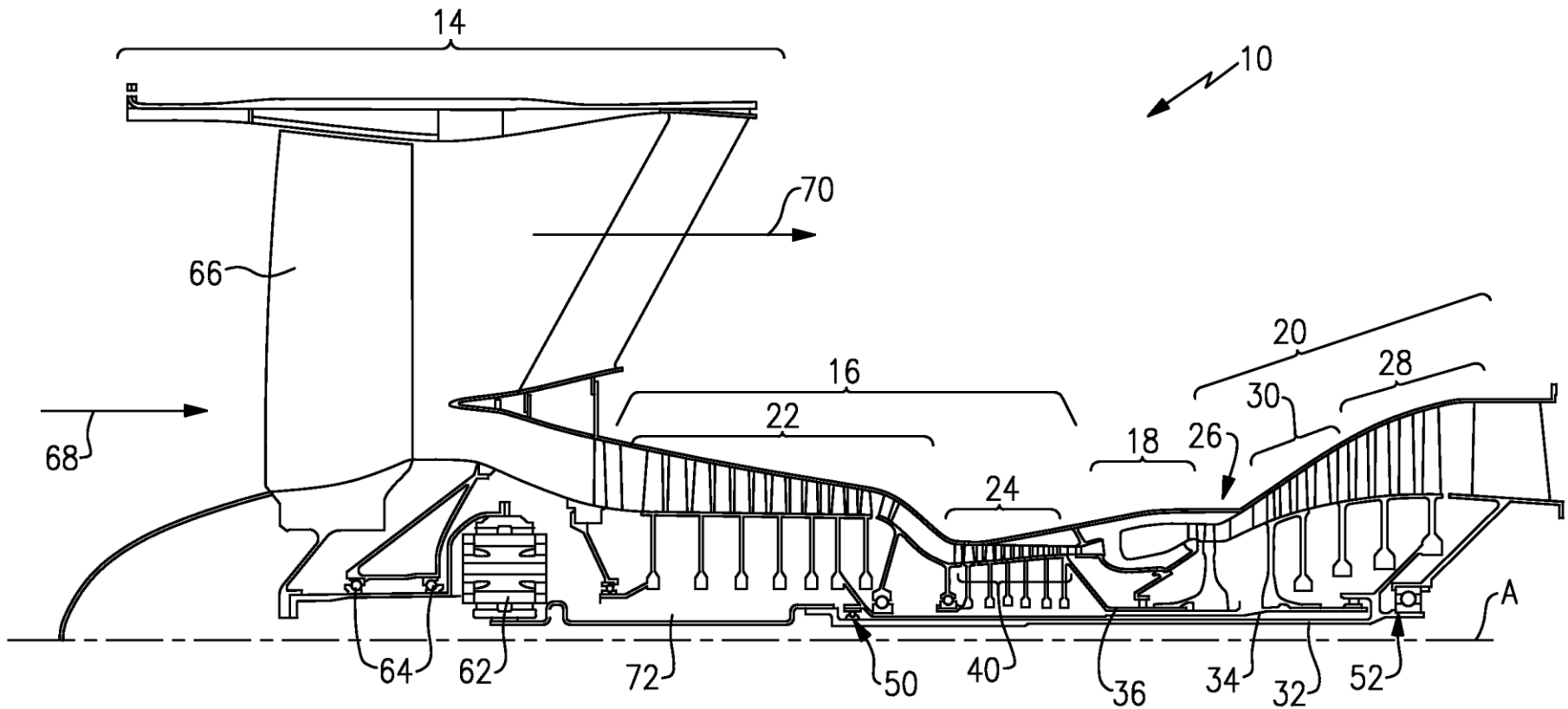
- Geared Fan (GTF)
Alta razão de bypass
(dois eixos)



□ Tipos

- Geared Fan (GTF)
Alta razão de bypass
(dois eixos)

Turbofan



□ Tipos

- Geared Fan (GTF)
Alta razão de bypass
(dois eixos)

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Bibliografia

- MATTINGLY, J. D. *Elements of Gas Turbine Propulsion*. New York: MCGraw-Hill, 1996. 960p.
- OATES, G. C. *Aerothermodynamics of Gas Turbine and Rocket Propulsion*, AIAA Education Series, AIAA, Washington, DC, 1988.
- ROLLS-ROYCE. *The Jet Engine*. Derby: The Technical Publications Department, Rolls-Royce plc, 1986. 278p.