

Ardiden 3G



Ka-62 helicopter

The Ardiden 3G, a scale-up of the Ardiden 1, is a derivative from a new generation of turboshaft, developed to power medium singles to mid-heavy twins. The engine structure is based on a high-tech, twin-spool centrifugal compressor, incorporating dual-modes in power control systems. An innovative maintenance technology allows for a never seen before 'on-wing' life.



The newcomer Ardiden 3G offers unique & innovative key factors

> LOW Operating Costs

- The Ardiden 3G offers an extended 5,000 hours TBO at Entry-in-to-Service, with the opportunity to extend it at maturity to 6,400 hours by implementing our on-condition program.
- A low specific fuel burn:
 - Fuel savings, lower DOC,
 - Less fuel burn reduces pollution emissions.

> HIGH Reliability / Maintainability

- Proven technologies coupled with an extensive experience.
- A new generation of FADEC assuring:
 - Classic functions, (power/safety/protections & Cycle count)
 - Continued screening and storage of all engine-parameters used by software.
 - HP-blades, creep-life management (FADEC counts-down real blade wearing for additional savings).
- Engine Data Recorder 'EDR' (optional):
 - Data-Link to Turbomeca diagnostic service via an interactive secure internet portal (soon opening).

> HIGH Performance

- The Ardiden 3G delivers the power pilots need for demanding utility operations, especially during take-off and landing.
- The Ardiden 3G offers a selectable 30 minutes AEO Power setting, for occasional use.

> Helicopters:

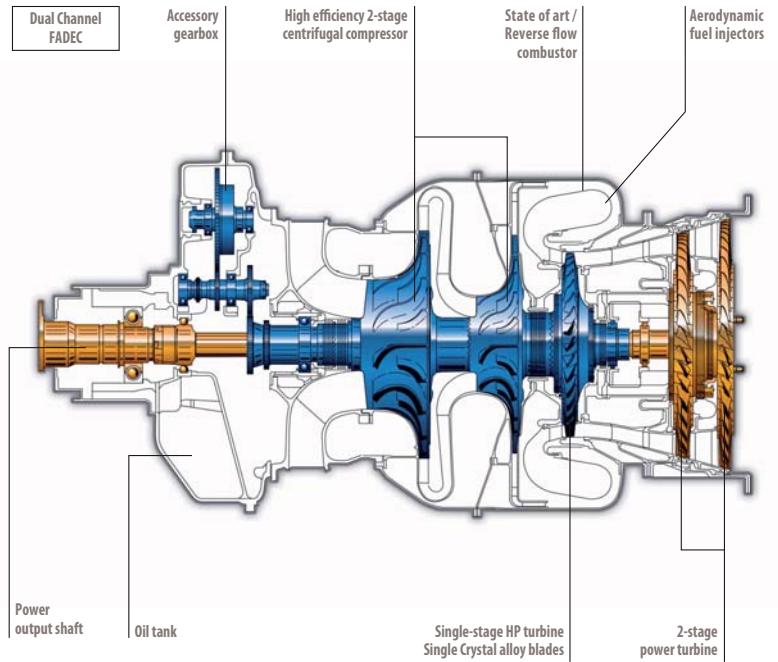


Ka-62
powered by two Ardiden 3G

> Multi-purpose helicopter:

- Passenger and cargo transportation
- Offshore operations
- SAR
- EMS
- Patrol

> Max take-off weight	6,500 kg
> Load-carrying capacity:	
• inside the cabin	2,000 kg
• at the external sling	2,500 kg
> Crew	2
> Passengers	15
> Speed:	
• max	162 kts / 300 km/h
• cruise	157 kts / 290 km/h
> Max flight range	397 nm / 735 km



> Power rating:

> One Engine Inoperative (OEI)	ISA, sea level, shp (kW)
OEI 2,5 minutes	1914 (1427)
OEI Continuous	1752 (1306)
> All Engines Operative (AEO)	
AEO Take-Off	1752 (1306)
AEO 30 minutes	1752 (1306)
AEO Max Continuous	1525 (1137)

> Description:

- The Ardiden 3G is made of 3 modules, providing simplified maintenance at the lowest cost possible. This modular design and dual channel FADEC make the Ardiden 3G highly reliable and easy to use with the benefit of an exceptionally low fuel consumption.

Turbomeca is dedicated to the design, production, sale and support of gas turbines for helicopters. Turbomeca offers the world's most comprehensive range of engines, along with strong industrial cooperation associated to close-by customer services structures. Dedicated to 2,350 customers in 155 countries, Turbomeca provides a proximity service thanks to its 16 sites, 26 Maintenance Centers, 24 Repair & Overhaul Centers and 90 Field representatives and Field technicians.



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