

# V2500

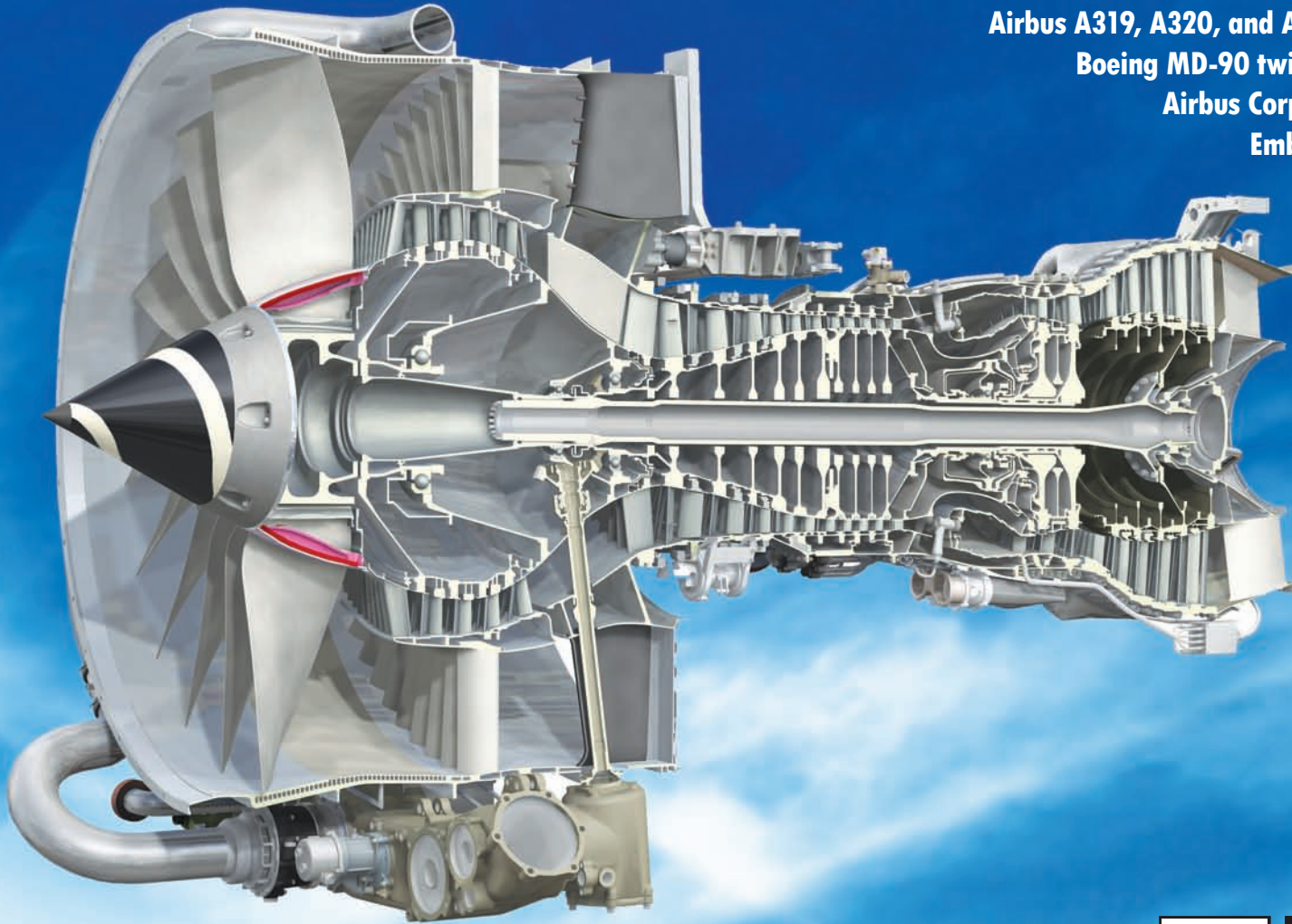
## V2500 - The engine of choice

Airbus A319, A320, and A321

Boeing MD-90 twinjet

Airbus Corporate Jets

Embraer KC-390



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**IAE** International  
Aero Engines™

## V2500. The Engine of Choice.

IAE International Aero Engine's V2500 turbofan engine family provides the 22,000 to 33,000 pound thrust range with efficient, clean power for close to 200 worldwide customers.

### Technologically Enhanced

The V2500's technology makes it the engine of choice in its class, delivering unequalled efficiency and reliability through its technologically advanced design. The engine's wide-chord, clapperless fan blade design not only increases fuel efficiency, but also provides superior tolerance to foreign-object damage. The high-pressure compressor is a 10-stage design with advanced airfoil aerodynamics, resulting in high component performance. A two-stage high-pressure turbine yields excellent efficiency and long component life. Engine operability and maintenance diagnostics are enhanced by its Full Authority Digital Engine Control.

### Economically Superior

Through technological advantages, the V2500 provides operators with significant performance and economic benefits, including lowest fuel burn. The engine also provides ease of maintenance, including comprehensive engine monitoring, fully electronic aircraft-to-engine interface, and cockpit-based maintenance.

## Product Facts

### Program Milestones

Jan	1984	Program launch	Dec	2004	2500th engine delivered
Nov	1985	First engine to test	Jun	2005	SelectOne™ launched
May	1988	<b>First flight</b>	May	2006	180-min ETOPS
Jun	1988	<b>V2500-A1 type certificate</b>	Oct	2008	SelectOne™ entered service
May	1989	V2500-A1 revenue service	Dec	2008	IAE celebrated 25th anniversary
Apr	1995	V2533-A5 launched on A320-200	Aug	2009	4000th engine delivered
Jun	1995	V2524-A5 launched on A319	Mar	2011	SelectTwo™ launched
Jul	1997	V2524 entered service	Jul	2011	V2500 Selected for Embraer KC-390
Jan	1999	V2500-A1 Phoenix EIS	Jan	2012	5000th engine delivered
Sep	2002	2000th engine delivered			

Characteristics	V2500-A1	V2522-A5	V2524-A5	V2527-A5*	V2530-A5	V2533-A5	V2525-D5	V2528-D5	V2531-E5
Diameter, fan tip, in.	63	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
<b>Length, flange to flange, in.</b>	126	126	126	126	126	126	126	126	126

### Performance at Sea level

Takeoff thrust, lbs**	25,000	23,000	24,800	26,600	30,400	32,000	25,800	28,600	31,330
Flat rated temp., F	86	131	131	115	86	86	86	86	
Bypass ratio	5.4	4.9	4.9	4.8	4.6	4.5	4.8	4.7	4.7
Overall pressure ratio	29.8	26.9	26.9	27.2	32.1	33.4	27.2	30.0	31.0
Fan pressure ratio	1.6	1.6	1.6	1.6	1.8	1.8	1.6	1.7	

### Aircraft Installation

	A320	A319	A319 ACJ	A319/A320 ACJ	A321	A321	MD-90	MD-90	KC-390
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\*V2527M-A5 and V2527E-A5 enhanced ratings available for Airbus Corporate Jets as well as higher altitude airport A319/A320 applications. \*\*Equivalent thrust at 0.2 Mn.

### Continuous Improvement

With more than 100 million engine hours and 5,400 engines delivered with 1,800 more on order, IAE continues to improve and refine its class-leading performance. The V2500 engine is a solid investment in value. It delivers unique performance and economic advantages to give its customers unmatched profitability and the power of superior technology.

