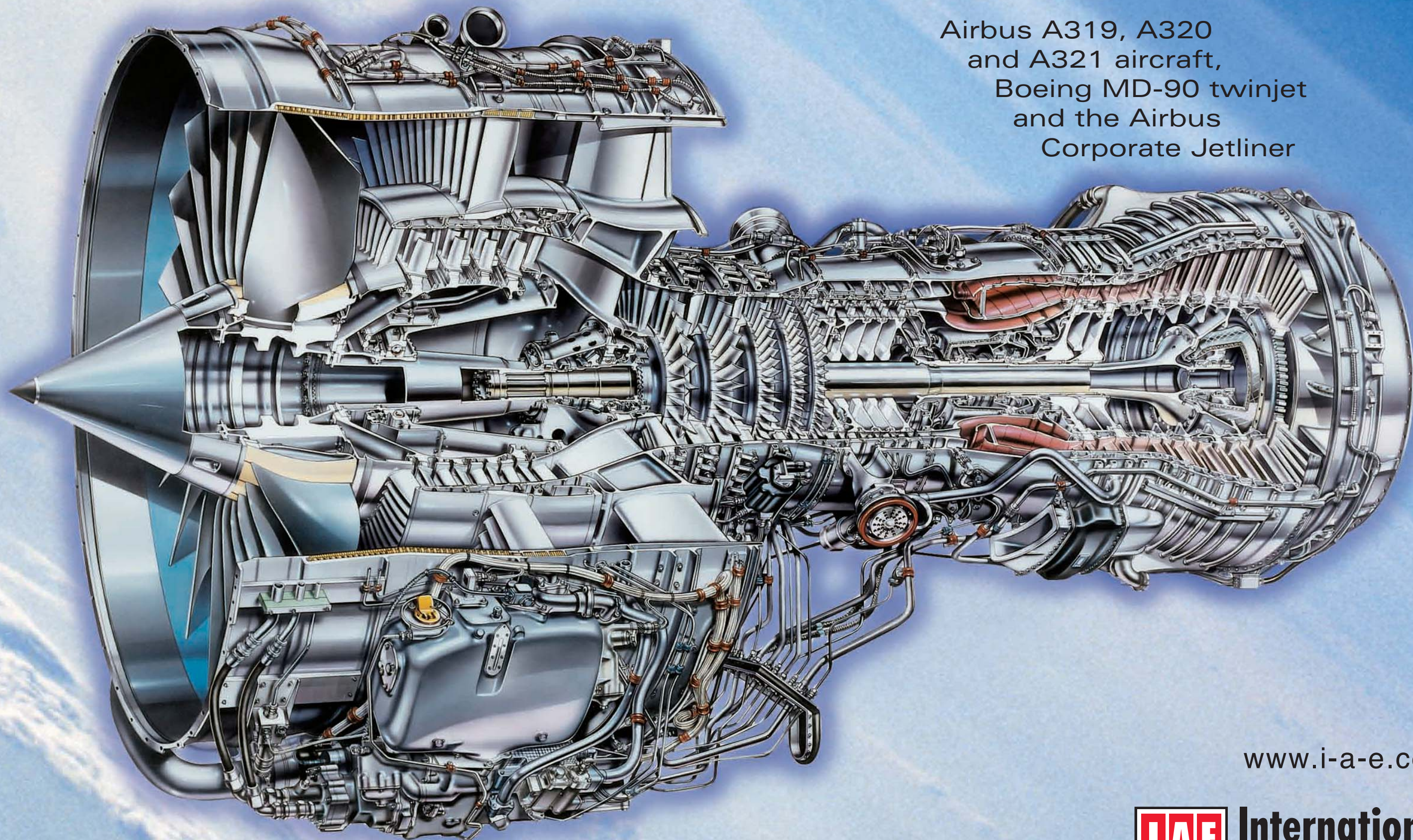


V2500 The Power of Superior Technology

Airbus A319, A320  
and A321 aircraft,  
Boeing MD-90 twinjet  
and the Airbus  
Corporate Jetliner



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**IAE** International  
Aero Engines™

## V2500. The Engine of Choice.

IAE International Aero Engine's V2500 turbofan engine family covers the 22,000 to 33,000 pound thrust range and provides efficient, clean power for more than 170 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 provides excellent efficiency and long component life. Engine operability and maintenance diagnostics are enhanced by the Full Authority Digital Engine Control.

### Economically Superior

With its technological advantages, the V2500 provides operators with significant performance and economic benefits, including lowest fuel burn. The engine also provides ease of maintenance including

## Product Facts

### Program Milestones

Jan 1984	Program launch	Jul 1997	V2524 entered service
Nov 1985	First engine to test	Jan 1999	V2500-A1 Phoenix EIS
May 1988	First flight	Sep 2002	2,000th engine delivered
Jun 1988	V2500-A1 type certificate	Dec 2003	IAE celebrated 20th anniversary
May 1989	V2500-A1 revenue service	Dec 2004	2,500th engine delivered
Jan 1992	120-minute ETOPS	Jun 2005	V2500Select launched
Nov 1992	V2500 A5/D5 type certificate	Jun 2006	3,000th engine delivered
Apr 1995	V2533-A5 launched on A320-200	Apr 2007	First SelectOne™ Engine to Test
Jun 1995	V2524-A5 launched on A319	Oct 2008	SelectOne™ Entered Service

### Characteristics

	V2500-A1	V2522-A5	V2524-A5	V2527-A5*	V2530-A5	V2533-A5	V2525-D5	V2528-D5
Diameter, fan tip, in.	63	63.5	63.5	63.5	63.5	63.5	63.5	63.5
Length, flange to flange, in.	126	126	126	126	126	126	126	126

### Nominal Performance- Sea level

Takeoff thrust, lbs**	25,000	23,000	24,500	26,600	30,400	32,000	25,800	28,600
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
Overall pressure ratio	29.8	26.9	26.9	27.2	32.1	33.4	27.2	30.0
Fan pressure ratio	1.6	1.6	1.6	1.6	1.8	1.8	1.6	1.7

### Aircraft Installation

	A320	A319	A319	A319/A320 A319CJ	A321	A321	MD-90	MD-90
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\*Enhanced ratings available for the Airbus Corporate Jetliner and high-altitude airports. \*\*Equivalent thrust at 0.2 Mn.

comprehensive engine monitoring, fully electronic aircraft-to-engine interface, and cockpit-based maintenance.

### Continuous Improvement

With more than 70 million engine hours and more than 5,500 engines in service or on firm 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**

