

# V2500<sup>®</sup> – The engine of choice

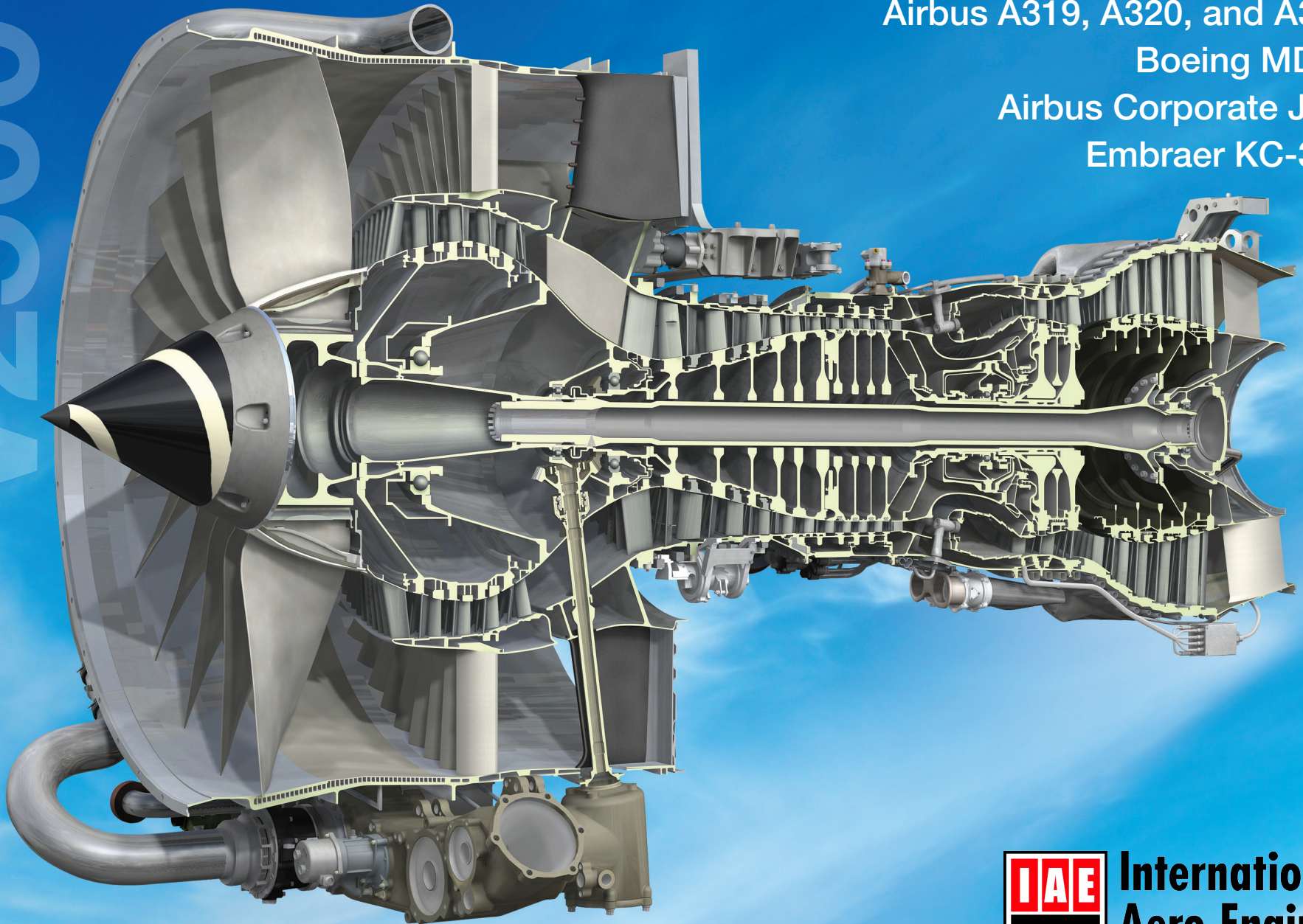
Airbus A319, A320, and A321

Boeing MD90

Airbus Corporate Jets

Embraer KC-390

V2500



**IAE** International  
Aero Engines<sup>™</sup>

## 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, shroudless 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 on the A320ceo. The engine also provides ease of maintenance, including comprehensive engine monitoring, fully electronic aircraft-to-engine interface, and cockpit-based maintenance.

## Continuous Improvement

With more than 165 million engine hours, more than 7,000 engines delivered, 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.

## Program Milestones

Jan	1984	Program launch	May	2006	180-min ETOPS
Nov	1985	First engine to test	Oct	2008	V2500-A5 SelectOne™ enters service
May	1988	First Flight	Dec	2008	IAE celebrated 25th anniversary
Jun	1988	V2500-A1 type certificate	Aug	2009	4000th engine delivered
May	1989	V2500-A1 revenue service	Mar	2011	V2500-A5 SelectTwo™ launched
Apr	1995	V2533-A5 launched on A320-200	Jul	2011	V2500 Selected for Embraer KC-390
Jun	1995	V2524-A5 launched on A319	Jan	2012	5000th engine delivered
Jul	1997	V2524 entered service	Mar	2013	IAE celebrates 30th anniversary
Jan	1999	V2500-A1 Phoenix EIS	Mar	2014	6000th engine delivered
Sep	2002	2000th engine delivered	Jan	2015	V2500-A5 SelectTwo™ enters service
Jun	2005	V2500-A5 SelectOne™ launched	April	2016	7000th engine delivered

	V2500-A1	V2522-A5	V2524-A5	V2527M-A5	V2527-A5	V2527E-A5	V2530-A5	V2533-A5	V2525-D5	V2528-D5
Applications	A320	A319	A319 ACJ	A320 ACJ	A320 ACJ	A320	A321	A321	MD-90	MD-90
Take-off Rating SLS	24800	23040	24480	24800	24800	24800	29900	31600	25000	28600
Thrust @ 0.2 M	n/a	23500	24760	26570	26570	26570	30350	32030	25800	28590
Flat Rate °C	30	55	55	46	46	46	30	30	30	30
Bypass ratio	5.4	4.9	4.9	4.8	4.8	4.8	4.6	4.5	4.8	4.7
Climb pressure ratio	35.8	32.8	32.8	32.8	32.8	32.8	35.2	35.2	34.5	35.2
Certified	Jun-88	Apr-96	Apr-96	May-99	Nov-92	Aug-95	Nov-92	Aug-96	Nov-92	Nov-92
<b>ENGINE CHARACTERISTICS</b>										
Length (in)	126	126	126	126	126	126	126	126	126	126
Fan diameter (in)	63	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
Bare Engine Weight	5300	5300	5300	5300	5300	5300	5300	5300	5720	5720

\*V2527M-A5 and V2527E-A5 enhanced ratings available for Airbus Corporate Jets as well as higher altitude airport A319/A320 applications



IAE shareholders Include Pratt & Whitney (NYSE: UTX), Pratt & Whitney Aero Engines International GmbH, Japanese Aero Engines Corporation and MTU Aero Engines.