

PIAGGIO AEROSPACE AVANTI EVO SPECIFICATIONS

EXTERNAL DIMENSIONS

Span	14.345 m	47.06 ft
Length	14.408 m	47.27 ft
Height	3.980 m	13.06 ft

CABIN DIMENSIONS

Height	1.75 m	5.9 ft
Width	1.85 m	6.1 ft
Length	4.55 m	14.11 ft
Max Seating Capacity		8+2 crew
Typical Executive Payload		6+1 crew

BAGGAGE COMPARTMENT

Volume	1.25 m³	44.15 ft³
Length	1.70 m	67 ft
Maximum Weight	159 Kg	350 lb

PRESSURIZATION

Differential	0.62 bar	9.0 psi
Sea Level cabin up to	7,315 m	24,000 ft

WEIGHTS

Max Take-off Weight	5,489 Kg	12,100 lb
Max Landing Weight	5,216 Kg	11,500 lb
Max Zero Fuel Weight	4,445 Kg	9,800 lb
Standard Empty	3,561 Kg	7,850 lb
Max Fuel Capacity (Standard Config.)	1,271 Kg	2,802 lb
Fuel with Max Net Payload (Standard Config.)	1,066 Kg	2,350 lb
Max Net Payload (Standard Config.)	794 Kg	1,750 lb
Net Payload with Max Fuel (Standard Config.)	589 Kg	1,298 lb
Max Fuel Capacity (Increased Range Config.)	1,451 Kg	3,200 lb

POWERPLANT

2 x Pratt & Whitney Canada PT6A-66B Engines 850shp/634kW each (ISA, sea level), flat-rated from 1,630hp
2 x Hartzell five-scrimitar blades low noise Propellers

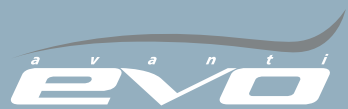
PERFORMANCE

Maximum Speed (at 31,000ft ISA)	745 Km/h	402 KTAS
MMO		0.70 Mach
Max Range (NBAA IFR, Standard Conf.)	2,815 Km	1,520 NM
Max Range (NBAA IFR, Increased Range Conf.)	3,278 Km	1,770 NM
Service Ceiling	12,500 m	41,000 ft
Rate of Climb (MTOW, 12,100lb)	844 mpm	2,770 fpm
Take-Off Distance (SL, ISA, to clear 50ft)	972 m	3,190 ft
Landing Distance (SL, ISA, 50ft, MLW, no reverse)	1,000 m	3,282 ft

avanti
evo

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A LEGEND
BECOMES
EVEN
GREATER

AVANTI EVO IS THE LATEST CHAPTER IN THE STORY OF THE AIRCRAFT WHICH REWROTE THE RULEBOOK ON AVIATION ELEGANCE AND PRACTICALITY.

Avanti EVO blends the very best of Italian style, peerless craftsmanship, and intelligent thinking to create an aircraft that stands alone for its values. With greater range, faster climb, reduced fuel costs, a lower noise footprint, added safety systems, and a more luxurious cabin, Avanti EVO is yet another step forward.

Its speed exceeds 400 KTAS faster than many jets and at a fraction of the direct running costs. Add to that a significantly improved service and support network, an innovative new maintenance program that can keep costs under control better than ever, and Avanti EVO stands alone for intelligence and elegance.



LOWER
EMISSIONS,
LOWER
COSTS

NEVER HAS THE PRESSURE ON AVIATION TO LEAD THE WAY IN REDUCING THE IMPACT OF TRANSPORT ON THE ENVIRONMENT BEEN SO HIGH, AND AVANTI EVO FLIES THE FLAG PROUDEST OF ALL FOR ITS ADVANCES.

Its beautiful shape aids hug fuel savings and lower emissions compared to aircraft in the same class, figures vastly more pronounced when compared to jet rivals. Avanti EVO is a truly green flying machine.

A cut in carbon footprint means Avanti EVO is sensible and conscientious choice for operators and buyers worldwide, in transport and also in special missions such as flight inspection and medevac, and reflects the saving on budget into the wider world too.

With Avanti EVO you can feel good about your choice in the air and on the ground.



A SPACE
FOR
LIVING

CREATION OF THE MOST AERODYNAMIC AIRFRAME BRINGS BENEFITS INSIDE AND OUT TO AVANTI EVO, SO PASSENGERS GET AN ELEVATED EXPERIENCE IN FLIGHT.

The stand-up cabin height of 5ft 9in (1.75m) is the biggest in class, roomier than some very expensive jets and with a restroom as standard.

Able to carry up to 8 passengers, its cabin volume means the most space per seat in class, appointed with the finest Poltrona Frau leather.

Low noise level of just 67db – barely that of a natural conversation – ally to a sea-level cabin altitude all the way to 24,000ft (7,315m), rising to only 6,600ft (2,012m) cabin altitude at the aircraft's 41,000ft ceiling, greatly boosting passenger wellbeing.

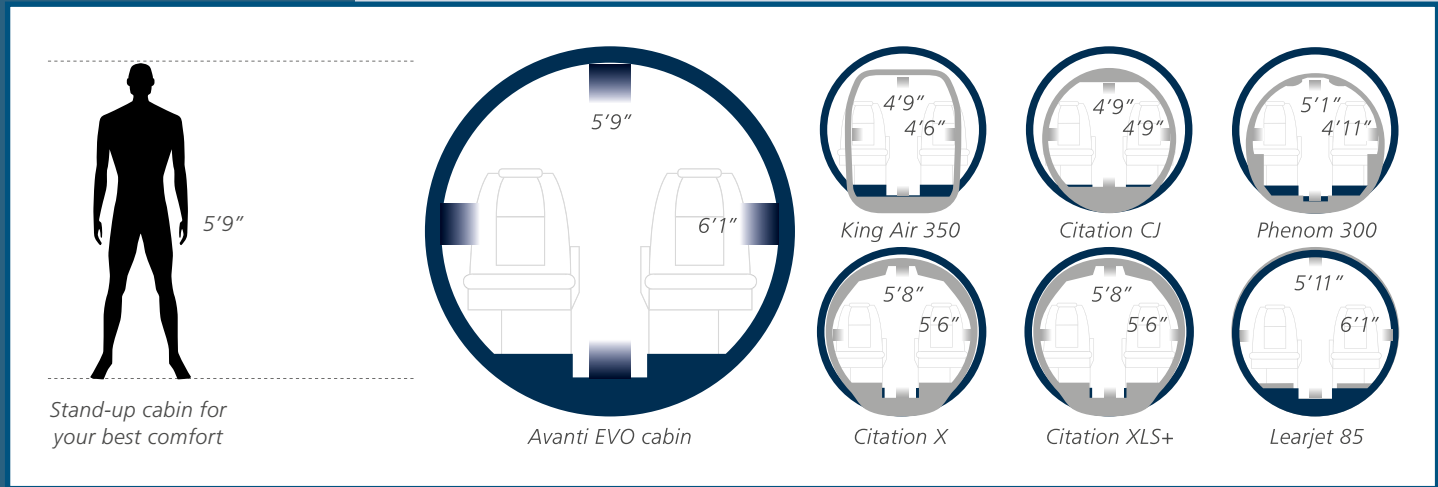
Meanwhile, a generous baggage compartment measures 44.15 ft3 (1.25 m³), and can accommodate golf bags or skis.



A SPACE
FOR
WORKING

NEW VIP SEATING FROM EXPERT DESIGNERS IACOBUCCI HF BOOTS CABIN COMFORT AND USABILITY, DESIGNED TO MOVE FORE AND AFT AND SIDE TO SIDE, RECLINE FULLY, ROTATE 180°, AND ALLOW OCCUPANTS TO MAXIMIZE THEIR WORKING AND LIVING SPACE.

Allied to an improved full cabin air conditioning and ventilation system, adjustable lighting throughout, improved connectivity for devices (including optional Inmarsat satellite link), and the Avanti EVO builds on its reputation as being one of the most comforting aircraft in which to fly.

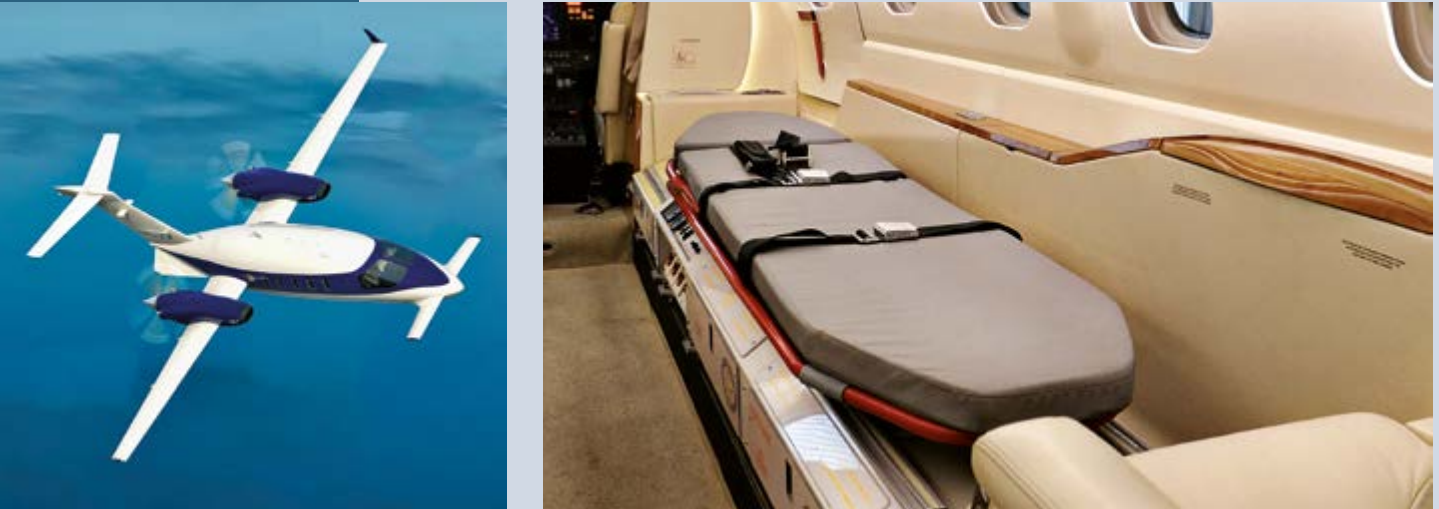


FURTHER
THAN
EVER
BEFORE

AVANTI EVO BRINGS GREATER RANGE AND FLEXIBILITY TO GIVE OPERATORS AND PASSENGERS MORE OPTIONS AND FLEXIBILITY THAN EVER BEFORE.

A new Increased Range Configuration option raises range to a huge 1,770 nm (3,278km) to allow transcontinental travel, and US coast-to-coast flights with just a single fuelling stop.

Meanwhile Avanti EVO's remarkable airfield performance brings runways of under 1,000m into profile, and its steep approach and climb certification means airfield and destination options are wider than those available to any jet or airliner, and closer to final destinations.



SAFER
THAN
EVER
BEFORE

AVANTI EVO PILOTS HAVE THE ULTIMATE PLACE TO CONCENTRATE ON THE BEST FLIGHT AND SAFEST OPERATIONS, CENTERED AROUND THE RENOWNED ROCKWELL-COLLINS PRO LINE 21 FLIGHTDECK.

Fully compliant with EASA CS-23 and FAR Part 23 standards including day, night, VFR, IFR, and flight into known icing, for one or two pilots, it is a benchmark for capability and safety in even the most challenging conditions.

Critical information is always available and flight management, flight planning, navigation, and comms systems are always accessible, hardware including weather radar is state of the art, and it is fully geared up for Next Gen ops.

Elsewhere, operational safety is aided by the addiction of new anti-skid braking, digital steering, better ground lighting, and a host of other intelligent improvements.

Wherever you fly in Avanti EVO, and wherever you look, the story is of Progress through Evolution.

REACHING
YOUR
DESTINATION
FASTER

IN BUSINESS AVIATION SPEED MATTERS, IT FREES HOURS IN YOUR DAY, CUTS TIME IN THE AIR, AND GIVES YOU GREATER CONTROL OF YOUR WORK AND PERSONAL LIVES.

Piaggio Aerospace's commitment to design perfection yields rewards in allowing speeds in the realm of jets – as you would expect from the world's fastest twin turboprop – but with the reduced fuel flow and operational costs, the instant throttle response, and the rugged usability that makes turboprops so attractive.

With a maximum speed of 402 KTAS (745 km/h) and improved climb performance to its ceiling of 41,000ft, Avanti EVO is even better for you and your passengers. Turboprop power means reduced fuel, maintenance, and training costs – so Avanti EVO is even better for your budget.

AIRCRAFT	TYPE	CRUISE SPEED (K TAS)
King Air 250	Turboprop	305
King Air 350i	Turboprop	312
Phenom 100	Very Light Jet	390
Citation CJ2+	Light Jet	413
Citation CJ3	Light Jet	417
Phenom 300	Light Jet	450
Avanti EVO	Turboprop	402

DISTINCTIVELY
INTELLIGENT

THE INSTANTLY RECOGNIZABLE LINES OF AVANTI EVO ARE THE PRODUCT OF COUNTLESS HOURS OF RESEARCH AND DEVELOPMENT TO CREATE THE PERFECT FLYING MACHINE. MORE THAN JUST BEAUTIFUL AND DISTINCTIVE, AVANTI EVO REPRESENTS SOME OF THE MOST ADVANCED CONCEPTS AND MANUFACTURING TECHNIQUES IN ALL OF AVIATION.

The design aids historic efficiency and speed, enhances safety, helps the pilots throughout flight, and actively benefits its passengers too. So not only it is a thing of remarkable beauty, it is a thing of remarkable capability.

From nose to tail, a single elegant aerodynamic curve aids laminar flow that reduces drag and raise performance by around 34% compared to conventional aircraft, underscored by the innovative 3S 'Three Lifting Surface' concept that makes the Avanti EVO so outstandingly good to fly.