

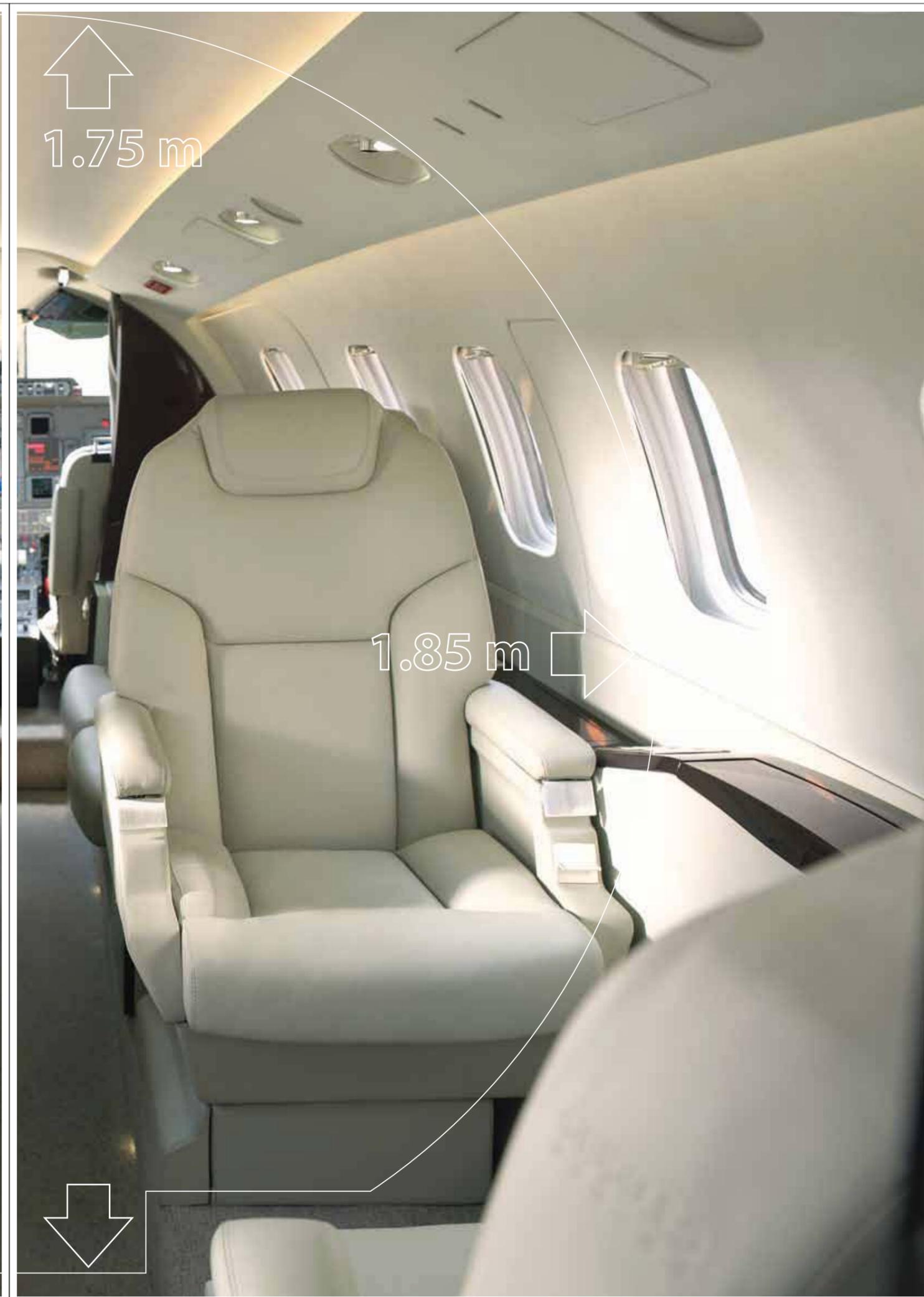
Avanti II



*Fly Different*

PIAGGIO  
AERO 

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## A superior choice

Elegant, economical and offering high performance, the Piaggio Aero P180 Avanti II is the best choice to fly in today's business world, thanks to its surprisingly low operating costs and the lowest level of emissions in its class. All this without sacrificing the unmatched comfort and superior performance that make the Piaggio Aero P180 Avanti II the fastest and most advanced business aircraft available on the market.

With its record of excellence the Piaggio Aero P180 Avanti II has been chosen by Scuderia Ferrari, the Ferrari racing team. Nobody but a Formula 1 race car driver better appreciates the superior performances of the P180 Avanti II. Just like Ferrari, Piaggio Aero represents technology and unrivalled Italian style. One of the most recognized logos in the world is Ferrari "Prancing Horse", proudly displayed on the Piaggio Aero P180 Avanti II flown by the Scuderia. It is the only aircraft deemed worthy of carrying the Ferrari brand.

*Speed matters*

Aircraft	Type	Cruise Speed (KTAS)
King Air B200 GT	Turboprop	305
King Air B350	Turboprop	312
Citation CJ1+	Light Jet	389
Phenom 100	Very Light Jet	390
Citation CJ2+	Light Jet	413
Citation CJ3	Light Jet	417
Hawker 400 XP	Light Jet	450
Phenom 300	Light Jet	450
Premier IA	Light Jet	451
<b>P180 Avanti II</b>	<b>Turboprop</b>	<b>402</b>

## Power

The P180 Avanti II is equipped with two powerful Pratt & Whitney Canada PT6A-66B engines. Quiet and reliable, they can develop a maximum thermal power of over 1630 HP each (derated to 850 SHP).

The Piaggio Aero P180 Avanti II can reach a service ceiling of 41,000 ft (12.500 m) and is the fastest twin engine turboprop ever built. In fact, the aircraft reaches a certified maximum speed of 402 knots (745 km/h) at 31,000 ft (9.450 m), with a maximum operating mach (MMO) of 0.70. As you can see, its performance is superior to that of many jet aircraft.

The Piaggio Aero P180 Avanti II combines power and economical operation better than any other business aircraft.



## *Fly different, fly green*

One small step forward for aviation, one giant leap for the environment: innovative technical, design and construction solutions enable the Piaggio Aero P180 Avanti II to burn 40% less fuel than a jet in its category, which also means 40% less emissions released into the atmosphere. And there's more.

The production process for this aircraft has been awarded UNI 140001 certification for its environmental management system. That's why the Piaggio Aero P180 Avanti II is a "green aircraft". All this is combined with remarkable versatility, which makes the P180 Avanti II one of the most widely used aircraft in public services such as air ambulance and air rescue missions, law enforcement, and flight inspections that ensure the safety of people and property.

**Operation costs matter**

Aircraft	Class	Gallons per hour	LBS CO2 per hour
Gulfstream 400	Heavy	415	8785
Falcon 2000	Heavy	330	6985
Challenger 604	Heavy	285	6033
Citation X	Medium	295	6245
Hawker 800 XP	Medium	280	5927
Learjet 60XR	Medium	230	4869
Citation CJ1	Light	120	2540
Hawker 400XP	Light	180	3810
Learjet 40XR	Light	180	3810
<b>P180 Avanti II</b>	<b>Light</b>	<b>100</b>	<b>2110</b>

## *Remarkable performance with low operating costs*

With its totally innovative aerodynamic solutions, the design of the P180 Avanti II is unique and unmistakable.

A single, continuous aerodynamic curve surrounds the Piaggio Aero P180 Avanti II from nose to tail to create a perfect profile that maintains laminar flow, thus minimizing drag and maximizing performance.

Thanks to the configuration with three lifting surfaces, drag is reduced by 34% when compared with conventional aircraft.

This amazing design solution, which significantly reduces weight and drag, translates into higher performance combined with remarkably low operating costs.



### Maximum comfort at all altitudes

The P180 Avanti II can host up to 9 passengers very comfortably, thanks to the cross-section of its stand-up cabin, which is the most spacious in its class.

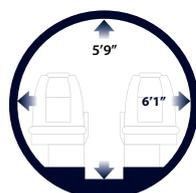
The category leading stand up cabin of the P180 Avanti II has a height of 5'9" (1.75 m) and a width of 6'1" (1.85 m), the ideal space for work and relaxation. And with its perfect pressurization (a maximum pressure differential of 9.0 PSI), the Piaggio Aero P180 Avanti II can maintain sea level cabin pressure up to an altitude of 24,000 ft (7.300 m) for maximum passenger comfort.

Its outstanding silence (the noise level in the cabin is only 68 dbA), spacious, cozy seats that are fully reclining, and many other available amenities ensure that every flight experience is memorable and rejuvenating.

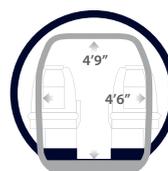
And to further enhance the comfort of your flight, the P180 Avanti II offers a comfortable, well equipped rest room featuring a seat with safety belt that is type-approved for takeoff and landing, as well as a spacious clothes/luggage compartment.

The oversized baggage compartment with capacity of 1.25 cubic meters is accessible from the outside and so spacious it can accommodate extra-large pieces of baggage. It can even handle skis and golf bags.

**Size matters**



**P180 Avanti II Cabin**



King Air



Citation CJ



Phenom 100/300



Premier IA/II



Citation XLS+



Falcon 50





## Serenity matters

### Where you want, when you want

Every component and system in the P180 Avanti II is carefully designed to provide the highest levels of efficiency and safety under all flight conditions. With its extended cruising range, the Piaggio Aero P180 Avanti II can easily reach any medium range destination without the need for refueling stops. Unlike many aircraft in its class, it can take off and land on runways less than 1000 meters long and thanks to this capability and its steep approach certification, the P180 Avanti II provides access to airports not even served by scheduled airlines or business jets.

### Fly different, fly quietly

The single continuous aerodynamic curve of fuselage and the pushing propellers configuration that prevents turbulence from interfering with wing aerodynamics, assure to P180 Avanti II an effectively total drag and noise reduction, providing superior performance and outstanding cabin quietness with a noise level of only 68 dbA.

### A hi-tech cockpit and avionics system

The integrated digital cockpit is designed to offer pilots and passengers of the Piaggio Aero P180 Avanti II the safety, efficiency and reliability of the most advanced technology available on the market. It is equipped with the comprehensive Collins Pro Line 21, digital avionics suite, which is completely integrated with the aircraft's navigation and communication systems, and is certified for full IFR use - even with a single pilot.

## P180 Avanti II Specification

Maximum Cruise Speed (at ft 31,000 ft ISA)	402 KTAS (745 km/h)	Baggage Compartment	Volume 44,15 ft <sup>3</sup> /1.25 m <sup>3</sup> Length 5' 7" ft/1.70 m Maximum Weight 300 lbs/136 kg	
Maximum Ceiling	41,000 ft/12.500 m	Maximum Take-Off Weight	12,100 lbs/5,489 kg	
Rate of Climb	2,770 fpm/844 mpm	Maximum Landing Weight	11,500 lbs/5,216 kg	
Take-Off Distance (Sea Level, ISA, MTOW, 50 ft obstacle)	3,235 ft/986 m	Maximum Zero Fuel Weight	9,800 lbs/4,445 kg	
Landing Distance (Sea Level, ISA, MLOW, 50 ft obstacle, no reverse)	3,282 ft/1.000 m	Standard Empty	7,800 lbs/3,538 kg	
NBAA IFR Maximum Range	1,470 nm/2.722 km	Maximum Fuel Capacity (usable at 6.75 lbs/gal)	2,802 lbs/1,271 kg	
Engines	Pratt & Whitney of Canada PT6A-66B Power 850 SHP/634kW ea. (flat rated from 1,630 HP)	Useful Load	4,150 lbs/1,882 kg	
External Dimensions	Wing Span	46' 0.48"/14.03 m	Maximum Payload	1,800 lbs/816 kg
	Length	47' 3.24"/14.41 m	Fuel with Max. Payload	2,350 lbs/1,067 kg
	Height	13' 0.90"/3.98 m	Payload with Max. Fuel	1,350 lbs/613 kg
Cabin Dimensions	Height	5' 9"/1.75 m	Pressurisation	Differential 9.0 psi/0.62 bar (Sea Level Cabin up to 24,000 ft/7.315 m)
	Width	6' 1"/1.85 m	Maximum Seating Capacity	9+2 crew
	Length	14' 11"/4.55 m	Typical Executive Payload	6+1 crew



# Fly Different



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