

Avanti *II*

*Fly Different*



PIAGGIO  
AERO 

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5'9"



6'1"





1.75 m

1.85 m





## A superior choice

Elegant, economical and offering high performance, the Piaggio Aero P180 Avanti II is the aircraft of choice 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 space and superior performance that make the Piaggio Aero P180 Avanti II the fastest and most advanced business aircraft in its class, 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 performance 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 the Ferrari Prancing Horse, proudly displayed on the Piaggio Aero P180 Avanti II flown by the Scuderia. It is the only aircraft 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's combination of power and economical operation enables it to reach a certified maximum speed of: 402 knots (463 mph, 745 km/h) at 31,000 ft (9,450 m), with a maximum operating mach (MMO) of 0.70, performance numbers that are truly superior to many jet 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 similar category, which also means 40% less emissions released into the atmosphere. And there's more.

That's why the Piaggio Aero P180 Avanti II is a "green aircraft".

All this is combined with remarkable versatility, has seen the P180 Avanti II become one of the most widely used aircraft in public services such as, air ambulance, air rescue, law enforcement, and flight inspections, all missions that ensure the protection and safety of people and property.

## *Operating 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 to conventional aircraft.

This amazing design solution translates into the combination of much higher performance combined with remarkably low operating costs.



### Maximum comfort at all altitudes

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

The category leading stand up cabin of the P180 Avanti II is 5'9" (1.75 m) high and 6'1" (1.85 m) wide, an 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 spacious, sumptuous 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 a 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 even accommodate extra-large pieces of baggage including golf and ski bags.

**Size matters**





## 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

A quiet and serene cabin noise level of only 68dba is possible due to the single continuous aerodynamic curve of the fuselage of the P180 Avanti II. This combined, with a push propeller configuration that prevents turbulence from interfering with wing aerodynamics, ensures cabin quietness through a comprehensive drag and noise reduction.

### 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. It is equipped with the comprehensive Collins Pro Line 21, digital avionics suite, that 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)		
Maximum Ceiling	41,000 ft/12.500 m		
Rate of Climb	2,770 fpm/844 mpm		
Take-Off Distance (Sea Level, ISA, MTOW, 50 ft obstacle)	3,235 ft/986 m		
Landing Distance (Sea Level, ISA, MLOW, 50 ft obstacle, no reverse)	3,282 ft/1.000 m		
NBAA IFR Maximum Range	1,470 nm/2.722 km		
Engines	Pratt & Whitney of Canada PT6A-66B Power 850 SHP/634kW ea. (flat rated from 1,630 HP)		
External Dimensions	Wing Span	46' 0.48"/14.03 m	
	Length	47' 3.24"/14.41 m	
	Height	13' 0.90"/3.98 m	
Cabin Dimensions	Height	5' 9"/1.75 m	
	Width	6' 1"/1.85 m	
	Length	14' 11"/4.55 m	
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 Take-Off Weight	12,100 lbs/5,489 kg		
Maximum Landing Weight	11,500 lbs/5,216 kg		
Maximum Zero Fuel Weight	9,800 lbs/4,445 kg		
Standard Empty	7,800 lbs/3,538 kg		
Maximum Fuel Capacity (usable at 6.75 lbs/gal)	2,802 lbs/1,271 kg		
Useful Load	4,150 lbs/1,882 kg		
Maximum Payload	1,800 lbs/816 kg		
Fuel with Max. Payload	2,350 lbs/1,067 kg		
Payload with Max. Fuel	1,350 lbs/613 kg		
Pressurisation	Differential 9.0 psi/0.62 bar (Sea Level Cabin up to 24,000 ft/7.315 m)		
Maximum Seating Capacity	9+2 crew		
Typical Executive Payload	6+1 crew		



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