



# AVANTI II

## FLY DIFFERENT

### A WINNING CHOICE

Elegant, economical and offering high performance, the **Piaggio Aero P180 Avanti II** is simply the best way to fly in today's business world. Its surprisingly low operating costs (and the lowest level of emissions in its class) and unmatched comfort, cabin space and superior performance make the Piaggio Aero P180 Avanti II the fastest and most advanced business aircraft available.

In fact, the Piaggio Aero P180 Avanti II has been chosen by Scuderia Ferrari, the Ferrari racing team, as its official private flight solution. More than anyone, a Formula 1 driver can truly appreciate the superior performance of the P180 Avanti II. And just like Ferrari, Piaggio Aero represents cutting-edge technology and unrivalled Italian style. One of the most recognized logos in the world is the Ferrari "Prancing Horse," an icon proudly displayed on the Piaggio Aero P180 Avanti II flown by the Scuderia and is the only aircraft carrying the Ferrari brand and logo.

### JUST ONE LOOK

The design of the P180 Avanti II is unique and unmistakable on the tarmac. A single, continuous aerodynamic curve surrounds the Piaggio

Aero P180 Avanti II from nose to tail to create a perfect profile that is not only dynamic and pleasing to the eye, it also maintains optimum laminar flow, thus minimizing drag and maximizing aircraft performance.

Thanks to its configuration of three lifting surfaces (at the nose, mid-body and at the tail), drag for the Piaggio Aero P180 Avanti II is reduced by 34 percent when compared with conventional aircraft. It is the aircraft's amazing design solution that significantly reduces weight and drag, and translates into higher performance combined with remarkably low operating costs.

### QUIET COMFORT, BLISTERING PERFORMANCE

The P180 Avanti II sports with two powerful Pratt & Whitney PT6A-66B engines. Quiet and reliable, they can develop a maximum thermal power of over 1630hp each (derated to 850 SHP). The Piaggio Aero P180 Avanti II can reach a service ceiling of 41,000 feet (12,500 m) and is the fastest twin turboprop ever built. In fact, the aircraft reaches a certified maximum speed of 402 knots (745km/h) at 31,000 ft (9,450 m), with a maximum operating mach (MMO) of 0.70—superior to that of many traditional business jets. 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 percent less fuel than any jet in its category, which also means 40 percent less emissions released into the atmosphere.

And there's more. The production process for this aircraft has been awarded UNI 14001 certification for its environmental management system. That's why the Piaggio Aero P180 Avanti II is truly a "green aircraft".

All this cutting-edge production and eco-conscious design combines beautifully with the aircraft's remarkable mission versatility, which makes the P180 Avanti II one of the most widely used aircraft in public service sectors air ambulance, air rescue and law enforcement.

## COMFORT DRIVEN

The P180 Avanti II can host up to 9 passengers very comfortably, thanks to the large cross-section of its stand-up cabin design, the most spacious in its class. This category leading design approach offers passengers a height of 5'9" (1.75 m) and a width of 6'1" inch (1.85 m), the ideal space for both work and relaxation. And with its perfect pressurization scheme (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 feet (7.300 m) for maximum passenger comfort.

Its outstanding silence (the noise level in the cabin is only 68 dbA), spacious, cozy reclining seats and many other luxurious amenities ensure that every flight experience is both memorable and rejuvenating. And to further enhance the comfort of your flight, the P180 Avanti II offers a roomy, well equipped lavatory featuring a seat type-approved for takeoff and landing. A spacious clothes/luggage compartment rounds out the aircraft's amenities. The oversized baggage compartment (with a capacity of 1.25 cubic meters) is accessible from the outside and so spacious it can accommodate extra-large pieces of baggage— even ski equipment and golf bags.

## BY THE NUMBERS

### THE AVANTI DIFFERENCE

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
P180 Avanti II	Light	110	2110*

\*40 percent less emissions





## BY THE NUMBERS

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