



## ***Aircraft Profile***

### ***Avanti EVO***

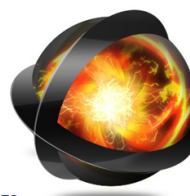
<b><i>Manufacturer</i></b>	<b><i>Piaggio Aerospace / Italy</i></b>
<b><i>Exclusive Dealer</i></b>	<b><i>NeBeSci Inc. / Manila, Philippines</i></b>
<b><i>Condition</i></b>	<b><i>New Aircraft</i></b>
<b><i>Availability</i></b>	<b><i>please inquire</i></b>
<b><i>Price</i></b>	<b><i>please inquire</i></b>
<b><i>Features</i></b>	<b><i>Collins Pro-Line 21 Avionics Suite</i></b>
	<b><i>Upgrade for Integrated Flight Information</i></b>
	<b><i>Electronic Charts</i></b>
	<b><i>Maps Overlay</i></b>
	<b><i>SBAS / LPV capability</i></b>
	<b><i>ADS-B Out</i></b>
	<b><i>New LED Taxi &amp; LNDG Lights</i></b>
	<b><i>Satellite Phone</i></b>
	<b><i>Full OEM Warranties</i></b>
	<b><i>Training Package</i></b>
	<b><i>Single Pilot Certified</i></b>

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# ***NeBeSci, Inc.***

***Aircraft & Aeronautical Products & Services / Intl. Trading***

***Paranaque City 1700 - Metro Manila, The Philippines*** [inquire@nebesci.com](mailto:inquire@nebesci.com) +63 (0) 917 704 0478



**The NEW EVO**

- New five-blade scimitar propellers*
- New winglets and reshaped front wing*
- Redesigned nacelles and engine exhausts*
- New low-maintenance landing gear*
- New digital steering*
- New anti-skid braking system*
- New Li-Io main battery*
- New LED Taxi & Lading Lights*
- New VIP seats by Iacobucci HF-Poltrona Frau*
- New cabin air conditioning and lighting systems*

**Engines**

- 2 x Pratt & Whitney Canada PT6A-66B*
- 850shp/634kW each (ISA, sea level), at-rated from 1,630hp*
- 1,800 FH HIS                      3,600 FH TBO*

**Propellers**

- 2 x Hartzell ve-scimitar blades low noise*

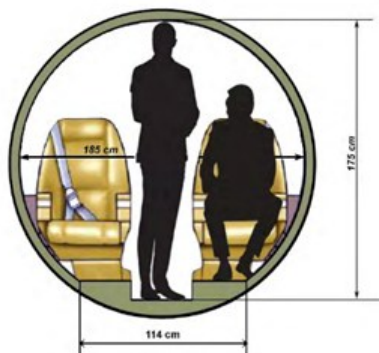
**Interior**

- 7 + 1 or 6+1 Cabin Layouts Available*
- Four-seat Club arrangement*  
*(full recline, lower-able inboard arm-rest)*
- Lavatory toilet seat belted and certified for takeoff and landing*
- Poltrona Frau Leather*



**Stand-up Cabin**

*for best  
comfort*



King Air 350



Citation CJ



Phenom 300



Citation X



Citation XLS+



PC-24

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Exterior

paint

TBD

Interior

7 + 1 or 6 + 1 Cabin Layouts Available

*Four-seat Club arrangement (full recline, lowerable inboard armrest) - Dual executive tables*

*Refreshment Cabinet with hot beverage container, ice chest, hot water dispenser and miscellaneous storage*

*Aft fully enclosed lavatory with flushing potty*

*Vanity Module with water system and faucet (on request)*

*Illuminated wardrobe area for hanging storage/coat closet*

*Lavatory toilet seat, belted and certified for takeoff and landing*

*Increased power 3-zone air conditioning mounted under floor for enlarge baggage area*



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- Radio Management System – Collins RTU-4200, CDU-3000
- Dual VHF COM – Collins VHF-4000 Transceiver with Antenna with 8.33 kHz spacing
- VHF NAV 1 + ADF – Collins NAV-4000 VOR/ILS/MKR/ADF Receiver with Antennae
- VHF NAV 2 – Collins NAV-4500 VOR/ILS/MKR Receiver with Antennae
- Single DME – Collins DME-4000 (3 channel) with Antenna
- Dual Mode S Flight ID Diversity Transponder – Collins TDR-94D
- Radio Altimeter – Collins ALT-4000 (Operation to 2500 ft) with Antennae
- Turbulence Detection Weather Radar – Collins RTA-852 Color Radar with 12” Antenna
- ACAS II – Collins TCAS 4000
- TAWS Class B with Worldwide Database – L-3 Landmark TAWS 8000
- Dual Audio Panel – Baker B1045
- Dual Cockpit Speaker
- Dual hand-held Microphone
- Dual Boom/Microphone/Headset
- EFIS with EIS – Three Collins displays AFD-3010, two DCP-3030, CCP-3000
- Flight Guidance System – Collins Dual FGC-3003 (A/P, YD and dual Flight Director included), three SVO-3000 Servos, single FGP-3000 Flight Guidance Panel
- Single FMS – Collins FMC-3000 (NAV to NAV and VNAV), CDU-3000
- DBU-5000
- GPS Sensor Unit – Collins GPS-4000S with full WAAS/LPV capability
- Dual ADS – Collins ADC-3000
- Dual AHRS – Collins AHC-3000 and FDU-3000
- Maintenance Diagnostic System – Collins MDC-3110
- Four Data Concentrator Unit – Collins DCU-3001
- Stand-by Cluster Instrument – L-3 Communications GH-3100
- Emergency Locator Transmitter – Artex C406
- Dual Master Announcer
- Dual Turn & Slip Indicator
- Reversionary/Miscellaneous Panel
- ADS-B Out, SBAS/LPV & RVSM Compliant

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**Optional**

**Factory New Aircraft - Fully customizable**

**Satellite Phone**

**Enlarged Cabin Door (+ 5 inch)**

**Extended Range Tank (+ 400 lbs)**

**Specification**

**External Dimensions**

<b>Span</b>	<b>14.345 m</b>	<b>47.06 ft</b>
<b>Length</b>	<b>14.408 m</b>	<b>47.27 ft</b>
<b>Height</b>	<b>3.980 m</b>	<b>13.06 ft</b>

**Cabin Dimensions**

<b>Height</b>	<b>1.75 m 5.74 ft</b>
<b>Width</b>	<b>1.85 m 6.07 ft</b>
<b>Length</b>	<b>4.55 m 14.92 ft</b>

**Max Seating Capacity**

<b>2 crew</b>	<b>Typical Executive Payload</b>	<b>6/7 + 1 crew</b>
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**Baggage Compartment**

<b>Volume</b>	<b>1.00 m3</b>	<b>35 ft3</b>
<b>Length</b>	<b>1.70 m</b>	<b>5.58 ft</b>
<b>Max Weight</b>	<b>159 Kg</b>	<b>350 lb</b>

**Pressurization**

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

**Weights**

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

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## Performance

<b>Maximum Speed (at 31,000ft ISA)</b>	<b>745 km/h</b>	<b>402 KTA</b>
<b>MMO</b>	<b>0.70 Mach</b>	
<b>Max Range (NBAA IFR, Std Conf.)</b>	<b>2,759 km</b>	<b>1,490 NM</b>
<b>Max Range (NBAA IFR, Increased Range Conf.)</b>	<b>3,278 km</b>	<b>1,770 NM</b>
<b>Service Ceiling</b>	<b>12,497 m</b>	<b>41,000 ft</b>
<b>Rate of Climb (MTOW, 12,100lb)</b>	<b>844 mpm</b>	<b>2,770</b>
<b>Take-Off Distance (SL, ISA, to clear 50ft)</b>	<b>972 m</b>	<b>3,190 ft</b>
<b>Landing Distance (SL, ISA, 50ft, MLW, no reverse)</b>	<b>1,000 m</b>	<b>3,282 ft</b>

## Speed

<u>AIRCRAFT TYPE</u>	<u>CRUISE SPEED</u>	<u>(KTS)</u>
<b>Phenom 100</b>	<b>Very Light Jet</b>	<b>405</b>
<b>Citation M2</b>	<b>Light Jet</b>	<b>404</b>
<b>Piaggio Avanti EVO</b>	<b>Turboprop</b>	<b>402</b>
<b>King Air 350i</b>	<b>Turboprop</b>	<b>312</b>
<b>Pilatus PC-12NG</b>	<b>Turboprop</b>	<b>285</b>

## Efficiency

<u>AIRCRAFT</u>	<u>CLASS</u>	<u>GALS/HR*</u>	<u>LBS CO2/HR*</u>
<b>Piaggio Avanti EVO</b>	<b>Light</b>	<b>100</b>	<b>2,110</b>
<b>King Air 350i</b>	<b>Light</b>	<b>136</b>	<b>2,870</b>
<b>Phenom 300</b>	<b>Medium</b>	<b>183</b>	<b>3,862</b>
<b>Learjet 75</b>	<b>Medium</b>	<b>199</b>	<b>4,19</b>
<b>Challenger 605</b>	<b>Medium</b>	<b>329</b>	<b>6,943</b>
<b>Citation X</b>	<b>Medium</b>	<b>386</b>	<b>8,146</b>

\* from Conklin & de Decker

## Range

<u>AIRCRAFT</u>	<u>RANGE (NM)</u>
<b>Piaggio Avanti EVO</b>	<b>1,809</b>
<b>King Air 350i</b>	<b>1,806</b>
<b>Pilatus PC-12NG</b>	<b>1,650</b>
<b>Citation M2</b>	<b>1,550</b>
<b>HondaJet</b>	<b>1,223</b>
<b>Phenom 100</b>	<b>1,178</b>

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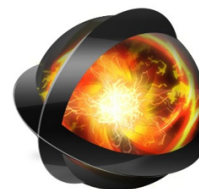
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Range Map



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## Customer Service

*Piaggio Aerospace's Customer Service is a full-fledged organization in charge of worldwide after-market support. It provides Operators with a flexible and wide array of services through its Service Center as well as a network of Authorized Service Centers located around the world.*

- AMP or Traxxall program for one-year enrollment
- Mobile Repair Team
- 24/7 Remote Spares and Technical Support
- Dedicated Field Service Representatives
- 24/7 Spares and Technical Support
- Product Support Engineering incl. regular analysis and data collection for continuous improvement

## Pilot Training

*Initial Training for 2 Pilots & 1 Maintenance Engineer*

*Piaggio Aerospace, provides a wide and flexible array of type rating and recurrent training courses to allow safe and profitable operations of P180 aircraft*

- Two FFS level "D" currently installed in West Palm Beach, FL, at Flight Safety
- ATO @Genoa Training Academy

*The offer meets training demand on P180 type with FAA/EASA/CAAC/DGAC/TC ATO approvals*

- Pilot Initial (TR)
- Pilot Recurrent
- ATP Check and TRI course

## Warranties

*Airframe – 5 years on fuselage, wings and empennage*

*Engines – 5 years or 2500 flight hours, whichever occurs first*

*Avionics - Collins avionics, 5 years*

*Components – 2 years or 1000 flight hours, whichever occurs first*

Disclaimer:

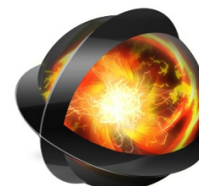
*Specification and / or description are provided as introductory information only and do not constitute representations or warranties of NeBeSci, Inc. Verification of specification remain the sole responsibility of the buyer. All information are subject to final confirmation in agreements by the manufacturer / broker / owner. The offer is subject to final confirmation of the seller and subject to prior sale or lease and may be withdrawn from the market without prior notice!*

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Gallery



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Gallery



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Gallery

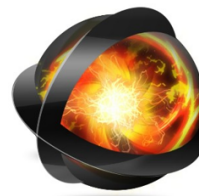


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**Gallery**

Cabin aft

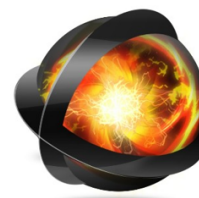


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Different Aircraft Configurations

**MEDEVAC Configuration**

- up to 2 stretchers can be installed incl. required medical kits
- conversions can be done within 30 to 45 minutes.
- easy direct loading system
- new enlarged door (option)
- roomy cabin for medical staff and patients
- quiet environment thanks to pushing propellers
- Sea Level cabin pressure up to 24,000 ft
- Single or Double stretcher configuration
- Incubator loading
- quick patient transfer
- accessibility to local airports thanks to short airfield performance



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**Flight Inspection Application**

**5+1 available seats:**

**1 operator seat - 4 passengers seats**

**1 lavatory seat certified for take-off & landing**

**Patrol, Surveillance & Special Missions**

**Light Mission System :**

**Radar**

**EO/IR Turret**

**AIS transponder**

**IFF transponder**

**Direction Finder**

**V/UHF/HF radios**

**Additional potential capabilities (\*): LOS/BLOS datalink**

**COMINT**

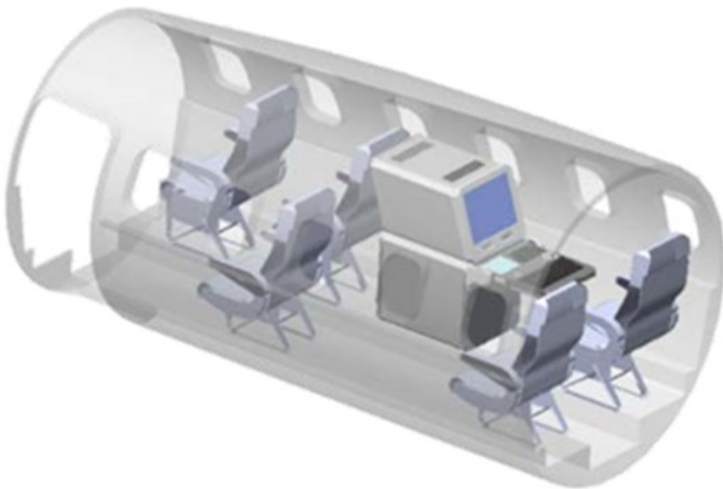
**Drop Hatch for Liferaft drop**

**SLAR**

**Hyperspectral and Thermal sensor**

**EO/IR typical installation**

**(\* ) feasibility to be verified**



**Guardia Costiera P180 Avanti EVO**

**Exclusive Authorized Dealer to The Philippines**

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