P2012 TRAVELLER

INTRODUCING THE WORLD'S MOST ADVANCED TWIN PISTON AIRCRAFT

Designed by TECNAM Costruzioni Aeronautiche SpA

Crafted in Italy for a Global Mission

QUALITY AIRCRAFT SINCE 1948
TECNAM

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"Manufacturing an aircraft is not just a job, it is a challenge for perfection, driven by infinite passion and dedication."

Paolo Pascale Langer, CEO

"When we design an aircraft, we don't look at our heritage to check what we have already done, we look to our future to determine what we still need to do."

Giovanni Pascale Langer, Managing Director

P2012 TRAVELLER

Developed by TECNAM Research & Development team led by renowned and award-winning expert Professor Luigi Pascale, in accordance with the latest market needs and its unique Italian style.

- EASA/FAA certified
- 2+9 passengers single seat cabin accommodation
- Powered by two LYCOMING six cylinders turbocharged piston engines for smart Performance and unrivalled Safety.

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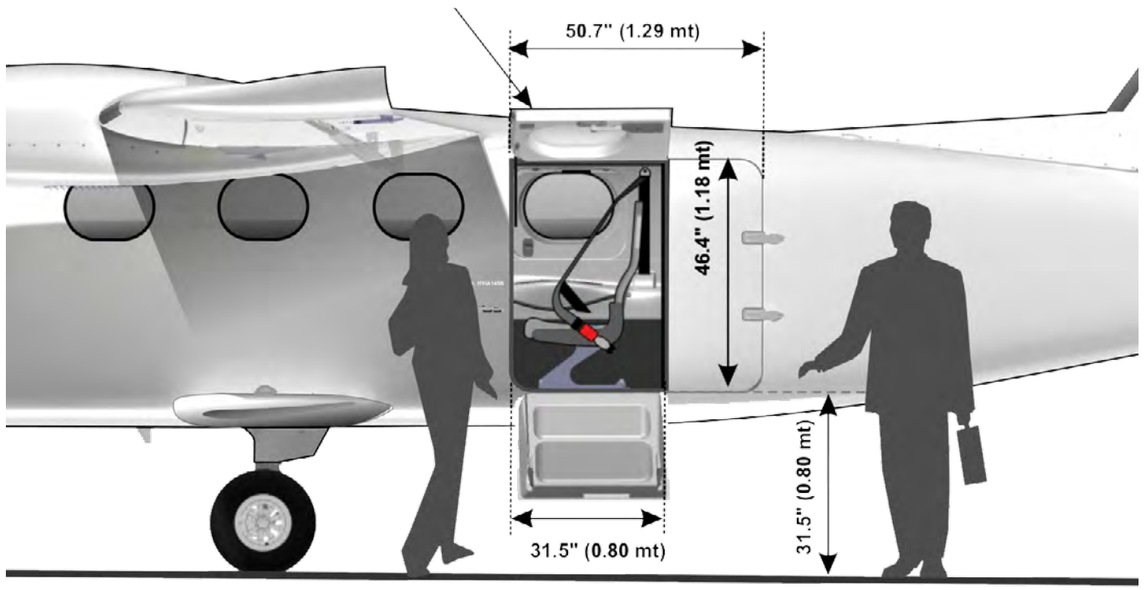
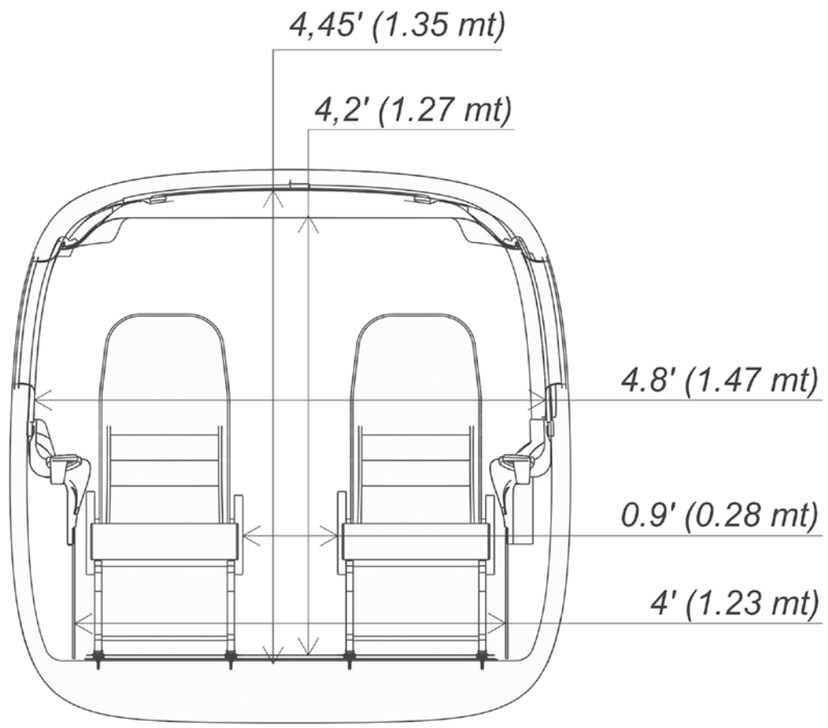


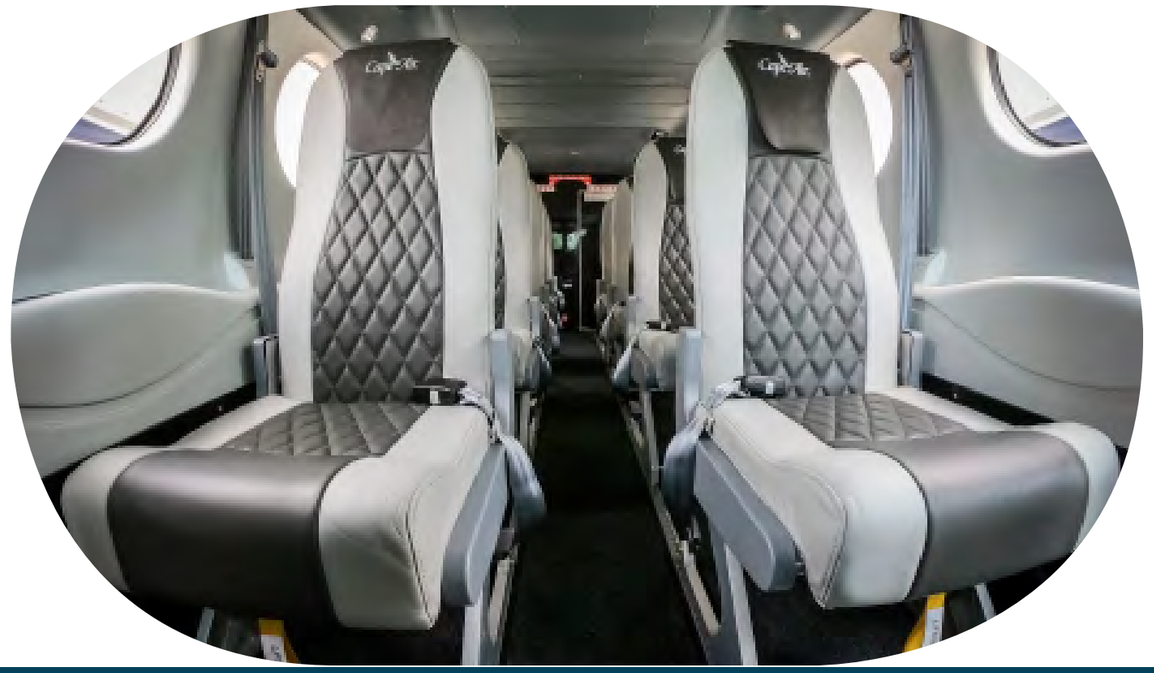
Cabin section



Dual generously sized passenger/cargo door on port fuselage side. Additional front cargo vane. Two front crew doors for separate flight deck access.

Rear fuselage opening and step

Executive cabin sizing with continuous flat floor and constant cabin section for the full length of the fuselage, exceeding higher class standards allowing plenty of headroom for all passengers and crew. Same seating ergonomic for all passengers, no side-by-side sitting, providing nine single comfortable premium seats.



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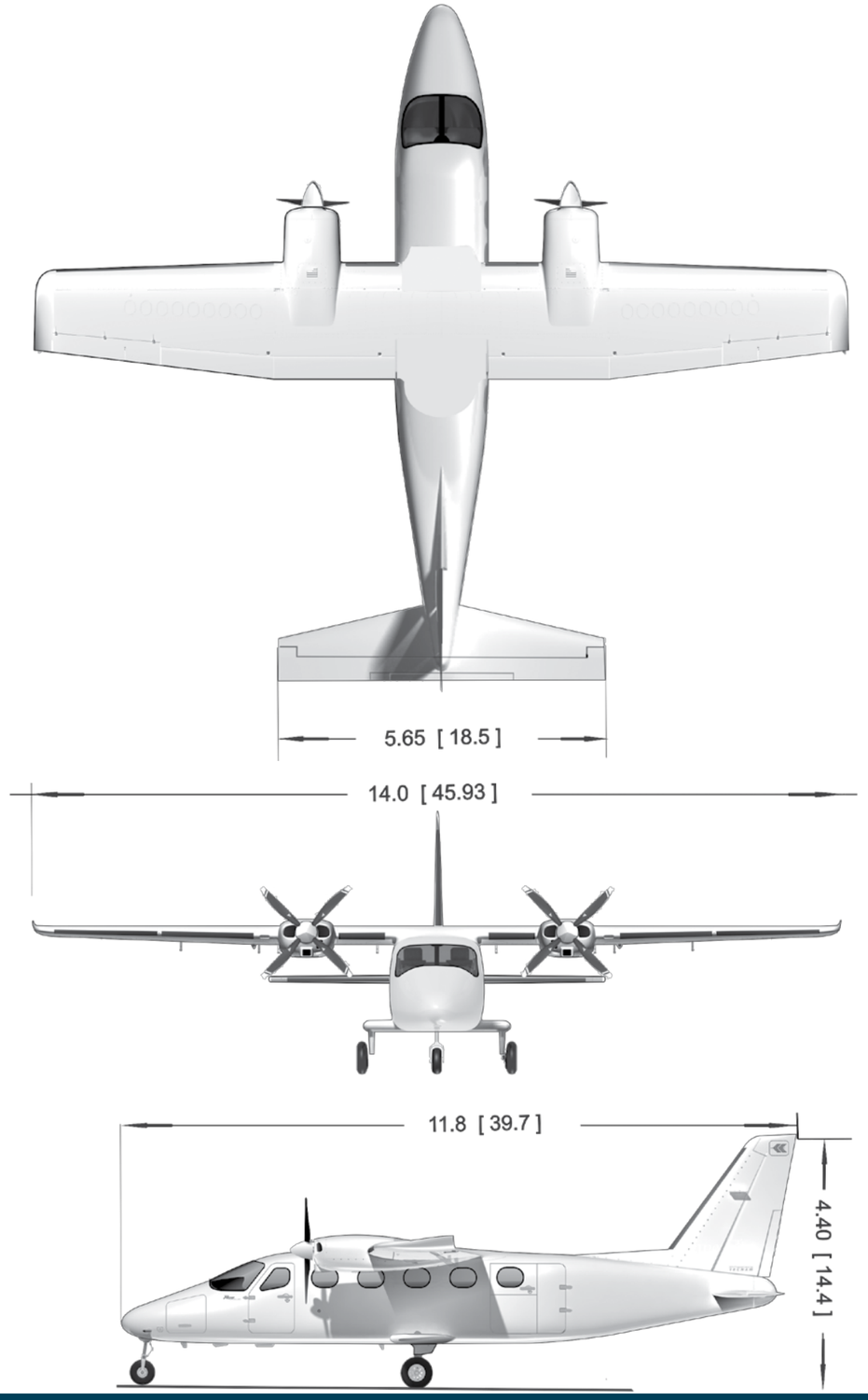

Wing Span	14 m	46 ft
Length	11.8 m	38.6 ft
Height	4.4 m	14.4 ft
Cabin Volume	8,9 m^3	314,3 cu/ft
Cargo Volume (Front + Rear Vane)	0,45+1,7 m^3	16+59,8 cu/ft
Engine manufacturer	Lycoming	
Engine Model	TEO540C1A	
Engine Power	2x375 hp	2x280 kw
Propeller	4 blades MT-Propeller	
Prop. Diameter	1.95 m	6.4 ft

Ramp Weight	3700 kg	8157 lb
Max Gross Weight	3680 kg	8113 lb
Operational Weight (1 Pilot + Luggage)	2386 kg	5260 lb
Std. Empty Weight**	2286 kg	5040 lb
Max Landing Weight	3630 kg	8003 lb
Useful Load*	1414 kg	3117 lb
Fuel Capacity	750 lt	198 US Gal
Wing Loading	145 kg/m^2	29.6 lb/sqft
Power Loading	4.9 kg/hp	10.8 lb/hp

* Weights are comprehensive of autopilot system. Empty weight could change of ± 2%.
** Without unusable fuel.

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Speed, VNE	411 km/h	222 kts
Stall speed – Take OFF	126 km/h	68 kts
Stall speed - Landing (Full Flaps)	120 km/h	65 kts
VMC	131 km/h	71 kts
Max cruise speed (10,000 ft)	359 km/h	194 kts
Cruise speed (@75%, 10,000 ft)	320 km/h	173 kts
Best RoC	6,1 m/sec	1200 ft/min
Best RoC SE (@5,000 ft)	0.5 m/sec	107 ft/min
Takeoff run	564 m	1849 ft
Takeoff distance	791 m	2596 ft
Landing run	365 m	1198 ft
Landing distance	743 m	2438 ft
Max Range	1760 km	950 NM
Operative Range Standard configuration: 1 Pilot + 9 Pax + 82kg/180lb total luggage	1111 km	600 NM

Europe

USA

China

Brochure may contain optional features. All P2012 TRAVELLER data is subject to change without notice.

D R E A M

Durable:

Rugged Design: Fixed Tricycle Landing Gear, Unpressurized, High Wing, All Metal, Corrosion proof, Light Aluminum Alloy Formed Frames, Beams, Lithium Batteries.

Reliable:

Twin Engine, Piston Lycoming TEO-540, No Mixtures, No Magnetos, Automated Diagnostic and Engine Run-Up, Redundant systems, TKS for Flight Into Known Icing conditions.

Employable:

Prepared And Unprepared Runways, 2+9 Single Seats, Double In-Fuselage Cargo Vane, Tecnam “Space” Flight Deck based on proven G-1000Nxi Avionic with GFC-700 Autopilot,

Affordable:

Competitive Price, Five Digits NACA Semi-Tapered Airfoil, Efficient Engines, Low Fuel Consumption, Easy To Perform Maintenance, Designed for long life time at high cycles of operations.

Manageable:

Single Pilot Certified, Multi Engine Piston (No Type Rating Required), Easy and Fast Ground Ops, Quick and simple Loading with Separate Passengers/Cargo/Crew Doors,

P2012 TRAVELLER

LYCOMING TEO-540 ENGINE and MT PROPELLER:
VERSATILE, SAFE, PROVEN,
YET
MODERN, EFFICIENT, AFFORDABLE

Continuous Power 375 Hp - 280 Kw

Direct Drive, Six Cylinders, Horizontally Opposed, Turbocharged, Air Cooled Engines.

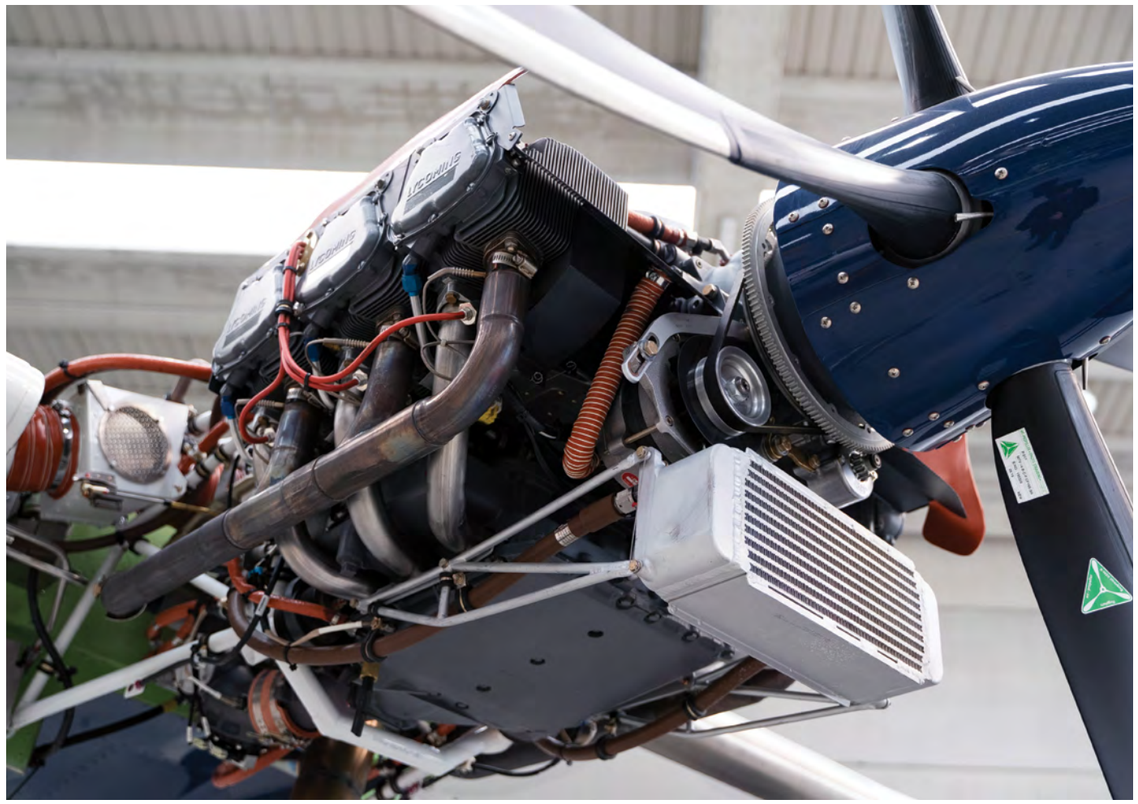
Pre-Flight Check for automatic engines run-up.

Electronic Engine Control System (EECS):

- Continuous Monitoring Of Ignition And Fuel Injection Timing;
- Mixture Automatically Based On Operating Conditions:
- FADEC-like manifold pressure and RPM automatic management;
- Engine fault monitor and predictive engine malfunctions to anticipate maintenance actions.

Time Between Overhaul, 2.200 hours, no intermediate deep engine inspections.

Four Blades MT Propellers Wood/Composite with metal leading edge, fully featherable and provided of Anti-Ice De-Ice.



LYCOMING

mt-propeller

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INTRODUCING TECNAM "**SPACE**" CONCEPT:

Single Pilot Advanced Cockpit Environment

P2012 TRAVELLER

Single Pilot Advanced Cockpit Environment

- Electric and lights controls on the overhead panel
- Intuitive Fuel System
- Easy to access starters and ignitions switches.
- GARMIN GFC-700 Autopilot
- PFD – MFD – PFD Configuration
- MD302
- AOA & FIRE Detection Self Test
- Automated Engines Pre-Flight Check
- Electronic Engines Control System (EECS)
- Map Inset on PFD
- Anti-Ice De-Ice Tks System
- FMS Keyboard And Joystick

- GARMIN GWX 70 Weather Radar
- Stormscope
- GARMIN Charts
- Iridium GSR56 Connection for Worldwide Weather, Phone Calls and Messages
- GARMIN Flight Stream
- Synthetic View
- AOA Indication
- ADSB In/Out - FIS-B - TAS Inset on PFD
- Audio Panel OMI
- No Mixtures

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Nominal Variable Operating Cost per mission hour, (includes ground movements for each mission). fuel and oil consumption at *optimum* cruise

Cost Element	EUROPE	USA	
Fuel and oil consumption	€260,73	$176.58	/flt hr
Labor average	€ 69,70 to 73,80	$77,90 to 90.20	/flt hr
LYCOMING consumables for maintenance	€6,17	$7.09	/flt hr
Engine overhaul	€ 83,30	$95.91	/flt hr
Propeller/Governor overhaul	€5,91	$6.78	/flt hr
Brakes/Tyres overhaul	€14,00	$16.10	/flt hr
Time Limited Parts	€9,75 to9,87	$11.46 to 11.92	/flt hr
TOTAL	€449,55 to €453,77	$ 391.82 to $ 404.58	/flt hr

The total shown is the nominal, estimated hourly variable operating cost (2019) without the impact of warranty, ageing and inflation.

- Certified Single Pilot VFR/IFR
- Multi Engine Piston (MEP) rating, no type rating issue/renewal required.

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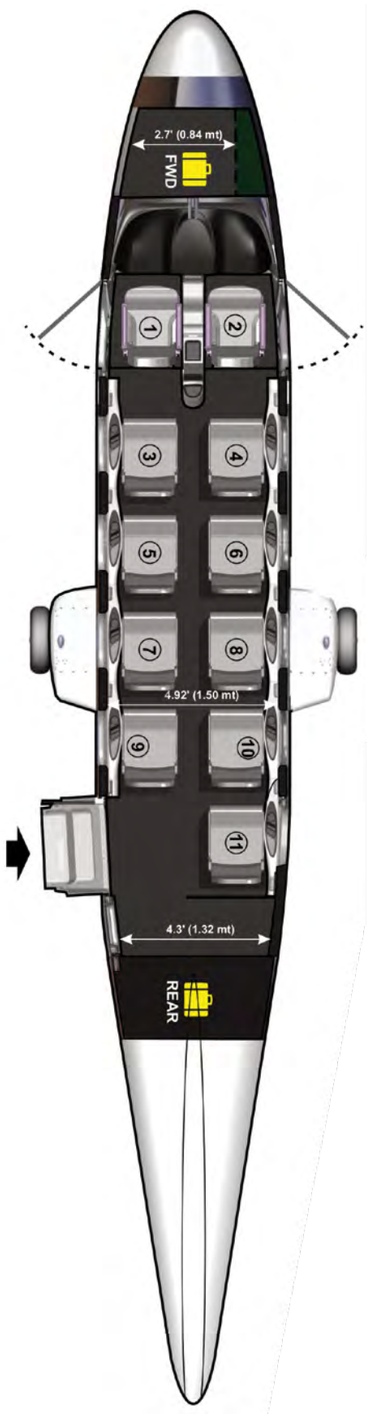
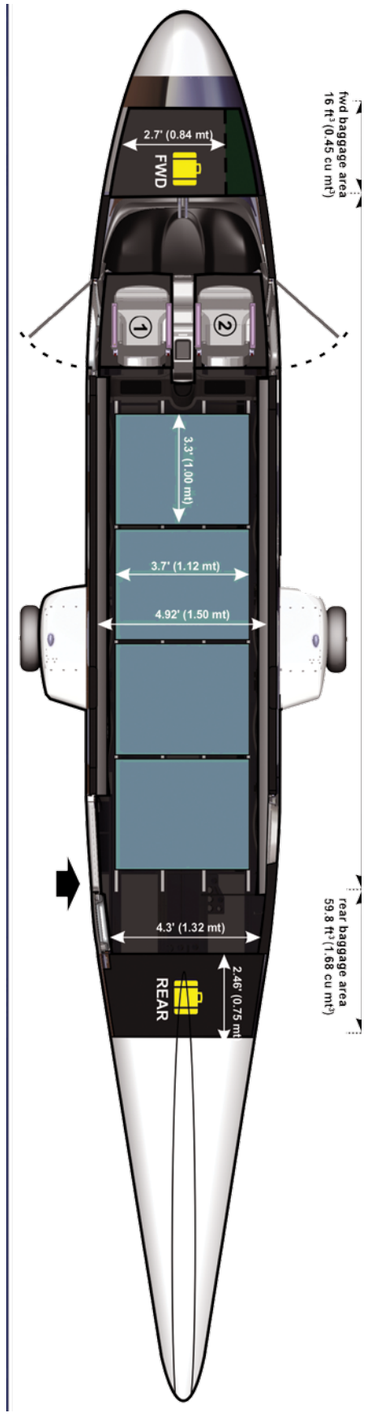
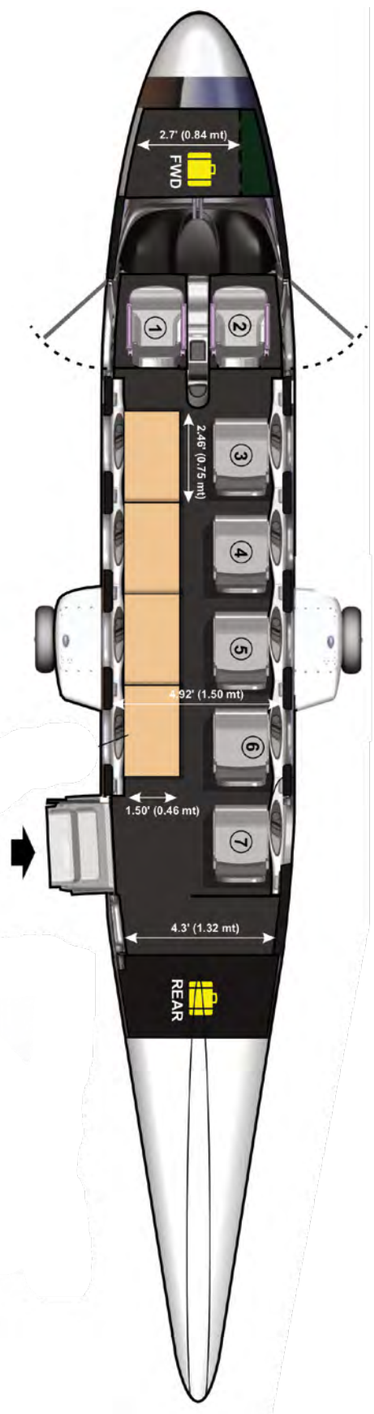
Choose Your DREAM P2012 Version:



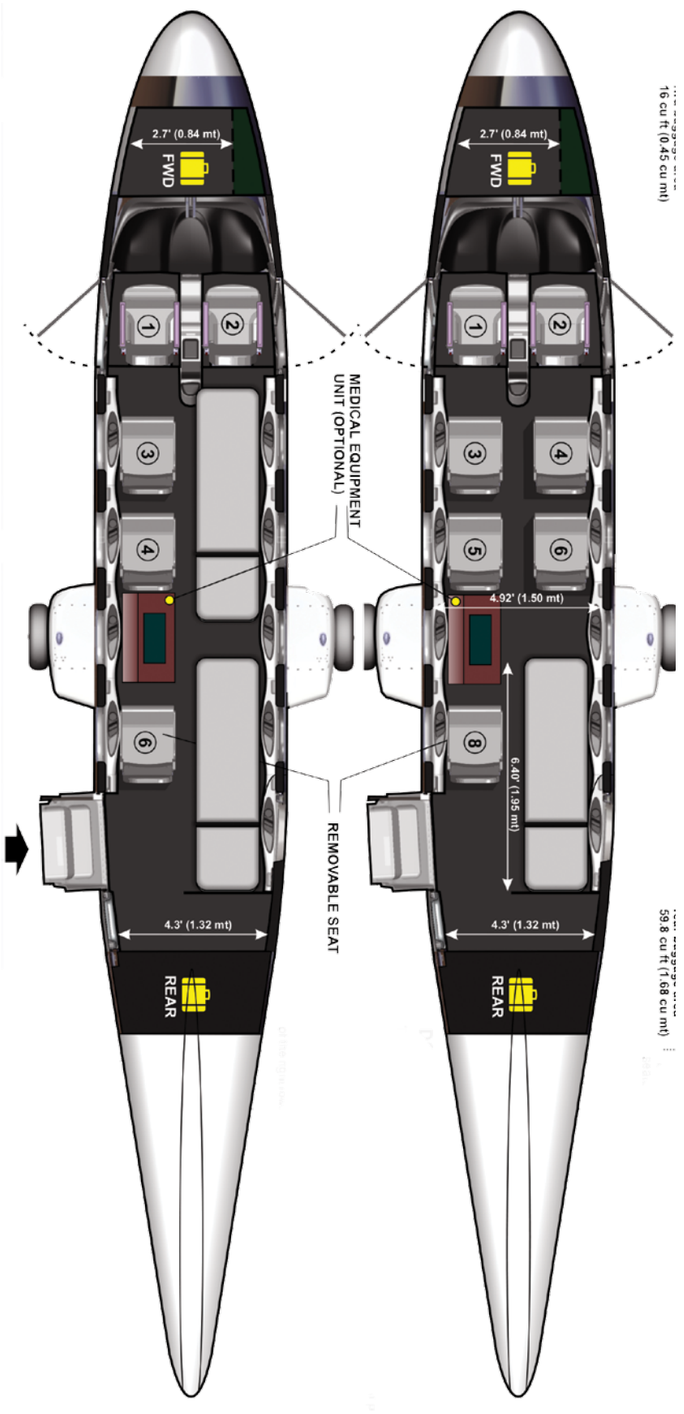
Airline



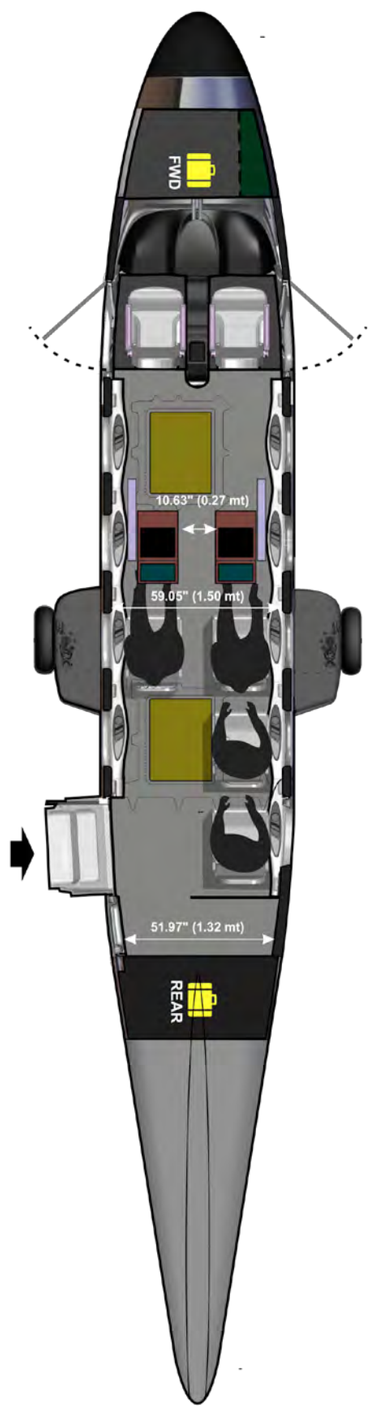
Full Cargo



Combi



Medevac
Single and Double Stretcher



SMP
Special Mission

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AIRLINE EQUIPMENT LIST

Standard avionic and flight instruments package

Item	Q.ty	Description
PFD LH	1	Primary Flight Display, Pilot In Command side (LH) 10 inches.
PFD RH	1	Primary Flight Display, Co-Pilot side (RH) 10 inches.
MFD (12in)	1	Multi Function Display - installed between LH and RH PFDs
COM/NAV/GPS	2	Garmin GIA64 #1 and #2 integrated in the avionic suite.
AHRS	2	Garmin GRS79 #1 and #2 attitude
ADC	2	Garmin GDC72 #1 and #2
Magnetometers	2	Garmin GMU44 #1 and #2
Compass	1	Central mounted, provides backup additional reading of magnetic heading.
MD302	1	Back-up instrument, for attitude, altitude and airspeed data. Normally powered by aircraft electric system, it has also an additional backup internal battery.
DME	1	Garmin KN63 integrated on PFDs
OAT probes	2	Garmin GTP59 #1 and #2
Audio Panel	1	Centrally mounted, the GMA 350c is a latest technology audio management system made by Garmin. COM1/2 SPLIT to enable pilot talking with COM1 and Co-Pilot communicating on COM2 frequency contemporarily. The audio panel also features marker beacon overfly lamps (OMI).
Pitot Probes	2	Both heated. Made by Tecnam.
Stalll Warning	1	Heated. Aural tone and dedicated CAS (crew-alerting system) message on PFDs.

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Transponder	1	Single unit, remotely mounted, features Mode-S, ADS-B IN/OUT, FIS-B providing state-of-the-art capabilities and fully equipped for future air traffic management requirements.
AFCS	1	GFC700, ultimate Garmin Automatic Flight Control System with GMC 710 panel. Three-axis autopilot, plus Yaw Damper function.
EIS	2	Garmin GEA71B #1 and #2
ELT	1	High Precision Kannad AF406 Compact Integra with GPS

Flight controls

Flaps	Electrically controlled and monitored wing flaps with three-positions and flap over-speed CAS message presented on PFDs .
Brakes	Fully hydraulic toe braking system with wheels and brakes manufactured by Cleeveland. Parking brake valve control located on cockpit bottom pedestal.
Control yokes	Two control yokes for Pilot and Co-Pilot, with charts holders.
Rudder pedals	Pilot and Co-Pilot inter-connected rudder.
Steering	Direct operated NLG allows steering angles up to 30° LH and RH, together with differential braking action.
Control locks	Allow protection of all flight control surfaces against wind gusts while the aircraft is parked.
Trim controls	Provided on all axis (pitch, roll and yaw), electrically operated, with dedicated switches on yoke and centre console, emergency disconnect and indicators.
Power controls	On central console: • LH and RH engine PWR levers; • LH and RH full feathering PROP levers. On front panel, left side, • LH and RH alternate air knobs

Electrical Power

The P2012 electrical system is based on 24V dc buses.
The Primary power source is provided by two engine-driven alternators rated at 140A each.
The Secondary power source is provided by three lithium batteries.
An external power socket is located next to the front cargo vane, far from propeller disc areas, for safe operations.

Exterior lights

The P2012 is equipped as a standard with all LED type lights ensuring high visibility in all weather conditions and a distinguished touch.

Comfort

The P2012 environmental management features a standard heating and ventilation system. Air Conditioning system is optionally provided. The table shows the list of main environmental and air management system provided as standard equipment:

Defroster	A dedicated electrical fan heater blows hot air for defrosting.
Pilot Feet comfort	A dedicated electrical fan heater blows hot air in the lower side of the flight deck, can be used as emergency defrost.
Ventilation	Standard P2012 equipment features a fresh-air management system.

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Interior cabin– standard airline package

List of cabin interior features provided as standard package for airline.

Cabin access	Granted through a wide opening equipped with a three-part door. The lower door has also three fixed steps for cabin boarding. The aft portion provides separate access to the rear cargo vane. Door open CAS messages and warning lights are available on PFD annunciation panel.
Passenger seats	Standard nine fixed passengers seats with under-seat storage and optional folding armrest.
Safety belts	Every seat is equipped with a three-point easy to use safety belt.
Lighting	All the nine passenger seats are equipped with a personal LED independently controlled and swivelling reading light. Cabin corridor illumination with three lights. Emergency lights.
Charging devices	A standard USB port is provided to each passenger seat.
Advisory light	“Fasten Seat Belts” and “No Smoking” announcements located in forward side of cabin.
Floor	Floor cabin is flat for the entire length of the cabin. Floor panels are easy and quick to remove allowing complete access to the fuselage sub-structure for inspections and maintenance.
Soundproofing	The entire fuselage is protected against noise through dedicated soundproofing panels.
Rear Cargo Vane	Separated from cabin, with its own access door, allows storage of passengers luggage and cargo. Proper loading is ensured by adjustable retaining nets.

Interior flight deck– standard airline package

Flight Deck Access	Granted through two crew doors that allow easy and unobstructed access to the pilot and co-pilot seats. Pilot and Co-Pilot Crew Door Open CAS messages and warning lights are available on PFD annunciation panel.
Pilot(s) seats	Pilot and Co-Pilot seats are adjustable four ways, longitudinal manually and vertical electrically. Four-point safety belts with inertia wheel.
Sun visors	Two sun visors, adjustable and folding.
Lighting	The flight deck is provided with dimmable instruments and switches lights, two map lights and two emergency lights. An overhead cockpit courtesy light provides illumination of the overhead panel.
Charging devices	The Flight Deck is provided with two standard USB ports. Wireless charger for any compatible device.

Exterior

Dual Color Livery	With white as the main colour, the Standard P2012 can be delivered with different two-colours ornaments according to customer choices, including customized logo on the vertical tail.
Exterior Lights	The P2012 is equipped as a standard with all LED type lights ensuring high visibility in all weather conditions and a distinguished touch.
Landing & Taxi Lights	High intensity LED lights for increased visibility during approaches, landing and ground operations.
Tie down point	Provided on wings and fuselage.
Towing	Disengaging the steering pin towing operations can be performed up to 50° LH and RH of nose gear towing angle.
Stall warning	Stall warning switch, wing mounted, is provided with heating system.
Door locks	All access doors and cargo vanes are provided with key locks. .

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The following table shows the list of optional equipment available to extend, improve or amplify flight operations and the P2012's capabilities to perform different missions.

	Code	Kg/lb	Item	Description
☐	012-01	47 kg 104 lb	**Air conditioning system**	Dual DC powered pallet mounted indipendent systems, installed in the tail-cone behind the rear cargo vane.
☐	012-02	3 kg 6.6 lb	**Iridium GSR56**	This equipment allows the pilot to receive weather data, make phone calls and send SMS when in flight, worldwide. Third parties subscription may need additional costs.
☐	012-03	3, 5 kg 7.7 lb	**Passengers interphone system**	With a headset socket for every seat, provides direct connection between crew and passengers, for operational messages or as example, entertaining during aerial sightseeing or music broadcast.
☐	012-04	50 kg 110 lb With no fluid	**TKS Ice protection**	The *Flight Into Known Icing Conditions* (FIKI) certified TKS equipment is installed in the tail-cone behind the rear cargo vane. Includes titanium porous panels mounted on wing, horizontal and vertical tail leading edges, and sprayers for propellers and windshield. Additional TKS equipment are: two heated pitot probes, heated AOA/Stall switch, two ice accretion lights installed next to left windshield ice vane, and on the left nacelle (illuminating left wing leading edge). The TKS system Anti-Ice/De-Ice function is attained through glycol fluid stored in a dedicated tank.
☐	012-05	0	**Synthetic View**	This option provides 3D terrain presentation on PFDs allowing an enhanced situational awareness. Coupled with GPWS reduces dramatically pilot workload and provides safer single pilot operations.
☐	012-06	0	**Garmin MFD compatible charts**	Departure, Approach, Arrival and A/D charts can be displayed on MFD allowing quick and easy reference during operations. Requires Jeppsen Database Subscription Service.
☐	012-07	1 kg 2.2 lb	**FMS Garmin GCU477**	Flight Management System keyboard provides easy and fast selection of frequencies, waypoints, zoom function in different menus and pages, frequency swap and many other features.

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☐	012-08	0	**Garmin Flight Stream**	This option makes the P2012 cockpit a connected suite, allowing to link the avionics with a tablet to efficiently exchange information: change frequencies, add/delete waypoints, plan an entire flight plan from a FBO office or Company office and upload it directly into the aircraft.
☐	012-09	8 kg 17.6 lb	**Four colour digital weather radar Garmin GWX70**	Directly integrated in the MFD, GWX70 weather radar provides accurate weather situational awareness in a four colour presentation and a ground mapping radar function.
☐	012-10	7,5 kg 16.5 lb	**ADF Becker RA-3502/ AC-3504**	ADF functions on PFDs for NDB navigation and approaches.
☐	012-11	9 kg 19.8 lb	**TAS GARMIN GTS 800**	This system provides tracking up to 45 targets to a distance of 22 NM, even for those aircraft not equipped with ADS-B OUT. The info are presented of different location of the PFDS and MFD.
☐	012-12	10 kg 22 lb	**TAS GARMIN GTS 825**	This system provides tracking up to 75 targets to a distance of 40 NM, even for those aircraft not equipped with ADS-B OUT. The info are presented of different location of the PFDs and MFD.
☐	012-13	3,5 kg 7.7 lb	**Additional Transponder GARMIN GTX 335R**	This option allows the P2012 to fly into airspace where the second transponder is required.
☐	012-14	3 kg 6.6 lb	**Stormscope Avidyne WX500**	The WX-500 Stormscope provides additional situational awareness with 360 degrees coverage up to 200 NM presenting thunderstorm detection and electrical discharge on a dedicated MFD page, chart or inset.

☐	012-19		**Mechanic Training course**	EASA 147 “ATA Level 3” line and basic maintenance, includes five days of theory and ten days of practice.
☐	012-20		**Pilot Course**	Familiarization course which includes five hours of flight and four hours of ground training.
☐	012-21	4,5 kg 9.9 lb	**Special Paint Livery**	Two-colours main body and two-colours ornaments according to customer choices, including customized logo on the vertical tail. Custom painting available on request.
☐	012-22		**Ferry Tank**	A 150 US Gal (570 lt) collapsible tank can be installed in the cabin to provide up to 1400 NM /10 hours overall endurance. Local CAA approval required.
☐	012-23	30 kg 66 lb	**Cabin Heater System**	Cabin heating is granted by a combustion heater installed in the tail section. Hot air is distributed trough the aircraft’s ventilation system, where each passenger has the possibility to open/close/swivel his own air outlet.
☐	012-24	4 kg 8,8 lb	**Sliding door for luggage compartment**	A composite light-weight sliding door installed between cabin and rear cargo vane, provides luggage and cargo separation from passengers.
☐	012-27	8,5 kg 18,7 lb	**Premium Interiors**	Cabin upgrade to Single/Two-tones leather seats for a VIP Premium touch. Coordinated cabin and flight deck leather seats, available in multiple design and colours. Custom interiors available on request.
☐	012-28		**Premium Leather Yokes**	Flight Deck yokes upgrade.
☐	012-29		**Premium Carbon Fiber Yokes**	Flight Deck yokes upgrade.

P2012 TRAVELLER

1. INNOVATIVE CLASSIC DESIGN

The P2012 is innovating and updating the market of 8-12 seats piston aircraft. The design key is to keep everything simple: metal structures and piston engines that can be easily maintained and repaired worldwide.

2. SHORT RUNWAYS WITH UNPAVED SURFACES

The P2012 can operate on runways as short as 1849 ft (564 m) at its maximum weight. This makes the ideal machine to connecting communities in remote places. High wings, engines and propellers away from the ground and fixed gear allow the P2012 to operate from any rough runway: dirt, gravel, and grass.

3. WEATHER IS NOT AN ISSUE

The P2012 can be equipped with TKS Ice protection, certified for FIKI (Flight Into Known Icing Conditions) allowing a safe flight always on schedule.

4. CABIN SPACE

The Traveller has the advantage of having a cabin whose measurements are constant for its whole extension, so that the ergonomics remains the same for all passengers and seats. A flat-floor means great comfort for passengers and ease to load just about any cargo can fit.

5. LARGE REAR DOOR

No other aircraft of this category features a wide cabin opening allowing passengers boarding and easy access to luggage compartment and two doors for flight crew.

6. VERSATILITY

The P2012 flexibility fits to regional operators, corporate, charter and fractional companies, air ambulances, Cargo, Combi, Special Mission and law enforcement agencies. This extreme versatility gives owners confidence that their investment in a P2012 is the right decision.

7. LOW OPERATING COSTS

The whole concept behind the twin-engine piston P2012 is to travel safely, in total comfort, further and with maximum efficiency. As example, we choose the fixed gear to keep maintenance costs low to increase operations profit.

8. GLOBAL LEADERSHIP

In aviation business for more than 70 years, Tecnam is ranked among the top General Aviation worldwide manufacturers. Tecnam partnered with the major industry players, as Lycoming, Garmin, MT-Propeller to provide Cape Air, global leading short-haul airline, the world most advanced twin piston.

9. DESIGNED BY LUIGI PASCALE

Since 1948, Professor Luigi Pascale, together with his brother Giovanni, have been designing and manufacturing aircraft for General Aviation with legendary Italian style.

10. EASY

The SPACE cockpit design is optimized to reduce the pilot's workload and ensure safe single pilot operations. The engine is fully electronically controlled, fuel injected and provided with several features to preserve its components in addition to saving fuel.

11. SAFETY

Twin engine, fixed gear, unpressurized cabin reliability.
The P2012 achieved CS23 and FAR23 seating safety certification requirements and the more restrictive Commuter category standards for cabin safety, evacuation and fire protection tests.

12. TOTAL SERVICE

At Tecnam, our goal is to keep you flying. We have a special P2012 Support Service, including fast genuine parts delivery for the P2012 Traveller, to help our customers minimise to zero any AOG experience.

Sales Inquiry: info@tecnam.com - www.tecnam.com

P2012 TRAVELLER

QUALITY AIRCRAFT SINCE 1948 TECNAM

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