

 PILATUS



The Most Advanced Single  
Just The Facts

**PC-12** PRO

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# Highlights

State-of-the-art ACE Cockpit powered by the Garmin G3000 Prime avionics, combining the power and capability of high-end business jets, but optimized for single pilot operation and outstanding situational awareness

Equipped with advanced safety features of the Garmin Autonomi Suite, including Autoland, Electronic Stability & Protection, and Emergency Descent Mode. Ground operations are also protected with SurfaceWatch

A Pratt & Whitney Canada PT6E-67XP engine, flat-rated to 1,200 shaft horsepower

First in segment dual-channel autothrottle with Electronic Propeller and Engine Control System

Maximum cruise speed of 290 knots (537 kilometers per hour)

Maximum range cruise of 1,850 nautical miles (3,426 kilometers)

A high-lift wing for exceptional short-field take-off and landing performance

Retractable trailing-link landing gear capable of operation from grass, gravel, dirt, snow or paved runways

Standard forward passenger door and a huge cargo door (4 feet 5 inch × 4 feet 4 inch/1.35 meter × 1.32 meter) for loading bulky objects, cargo and luggage

A pressurized passenger cabin of 326 cubic feet (9.34 cubic meters) with seating for up to nine passengers

Fully enclosed, private lavatory

Certified for single-pilot operations

Certified for flight into known icing conditions

More than 100 engine parameters are continuously monitored, adjusted, recorded, and seamlessly transmitted to ground-based data systems upon landing

Operating costs 30 to 60 percent lower than comparable twin-engine jets and turboprops, and the highest residual value rate in the entire business aviation sector

Outstanding safety record proven over eleven million flight hours



Cabin

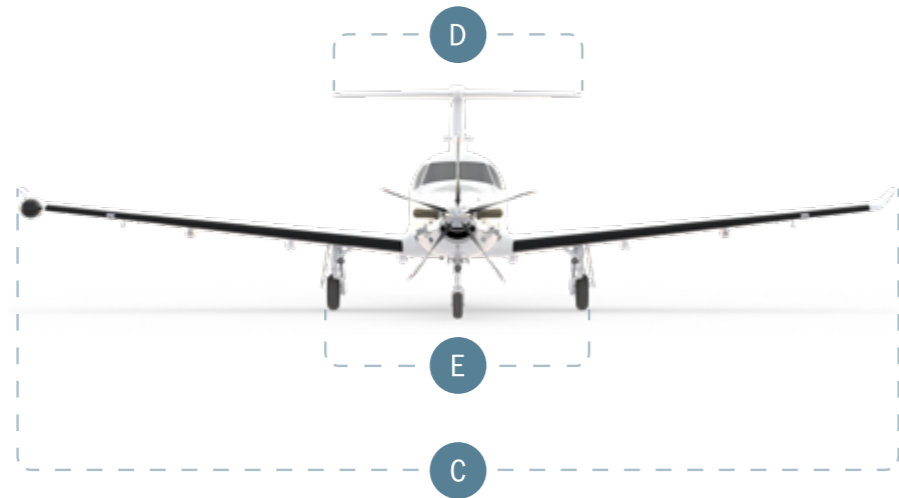


Cargo Door



ACE Cockpit with Autoland Capability

# Exterior View



## Dimensions

	U.S.	Metric
A - Length	47 ft 3 in	14.40 m
B - Height	14 ft 0 in	4.26 m
C - Wing span	53 ft 5 in	16.28 m
D - Horizontal tail span	17 ft 1 in	5.20 m
E - Landing gear width	14 ft 10 in	4.53 m
F - Cargo door width	4 ft 5 in	1.35 m
G - Cargo door height	4 ft 4 in	1.32 m
Wing area	277.80 ft <sup>2</sup>	25.81 m <sup>2</sup>
Turn radius, wing tip <small>Nose wheel steering and braking</small>	35 ft 7 in	10.86 m
Turn radius, outside main gear <small>Nose wheel steering and braking</small>	16 ft 6 in	5.03 m
Passenger door height	4 ft 5 in	1.35 m
Passenger door width	2 ft 0 in	0.61 m

# Interior View



## Dimensions

	U.S.	Metric
A - Cabin length	16 ft 11 in	5.16 m
B - Cabin width	5 ft 0 in	1.52 m
C - Cabin height	4 ft 9 in	1.45 m
Cabin floor width	4 ft 3 in	1.30 m
Cabin volume	326 ft <sup>3</sup>	9.23 m <sup>3</sup>
Baggage compartment volume	34.3 ft <sup>3</sup>	0.97 m <sup>3</sup>

# Interior Configurations



**Executive 6 Seat Interior** Make the most of the cabin with ample space for passengers, baggage, catering equipment and a private lavatory. Each executive seat features quick-change capability.



**Executive 6 + 2 Seat Interior** Whenever the need arises, the pilot can simply add or remove the two quick-release, lightweight commuter seats, allowing flexible accommodation for six to eight passengers.



**Commuter** A true workhorse, a single pilot can transport up to ten passengers and their gear to the most remote locations – quickly and safely.



**Combi** Whether it's a critical spare part for a remote oil rig or simply your favorite motorbike or surfboard – travel in style and leave nothing behind.



**Executive 8 Seat Interior** The ultimate in executive transport, it has ample room for passengers as well as baggage in luxury accommodation. Each executive seat features quick-change capability.




**Executive 4 + 4 Seat Interior** Whenever the need arises, the pilot can simply add or remove the four quick-release, lightweight commuter seats, allowing flexible accommodation for four to eight passengers.



**Cargo** A blank slate with so many possibilities: special mission platform or pure cargo transport – let us know and we'll create a custom solution for you.



**Air Ambulance** Air ambulance operations require easy cabin access, patient comfort and robust interior functionality while operating in remote locations.



Interior views and more technical data

[Website →](#)

# Performance

	U.S.	Metric
<b>Maximum cruise speed</b> <small>Flight Level 220</small>	290 KTAS	537 km/h
<b>Maximum range 4 passengers</b> <small>NBAA IFR reserves of 100 nm/185 km, LRC, ISA, Flight Level 300</small>	1,765 nm	3,269 km
<b>Maximum range 6 passengers</b> <small>NBAA IFR reserves of 100 nm/185 km, LRC, ISA, Flight Level 300</small>	1,565 nm	2,898 km
<b>Maximum altitude</b>	30,000 ft	9,144 m
<b>Take-off distance over 50 ft obstacle</b> <small>Maximum take-off weight, ISA, sea level, dry paved runway</small>	2,485 ft	758 m
<b>Landing distance over 50 ft obstacle</b> <small>Maximum landing weight, ISA, sea level, dry paved runway</small>	2,170 ft	661 m
<b>Rate of climb</b>	1,920 ft/min	9.75 m/s
<b>Time to climb sea level to flight level 250</b>	19 min	19 min
<b>Stall speed</b> <small>Maximum landing weight, landing configuration, ISA, sea level</small>	67 KIAS	124 km/h

## Loading

	U.S.	Metric
<b>Wing</b>	37.6 lb/ft <sup>2</sup>	183.7 kg/m <sup>2</sup>
<b>Power</b>	8.71 lb/shp	3.95 kg/shp

## Weights

	U.S.	Metric
<b>Maximum ramp weight</b>	10,495 lb	4,760 kg
<b>Maximum take-off weight</b>	10,450 lb	4,740 kg
<b>Maximum landing weight</b>	9,921 lb	4,500 kg
<b>Maximum zero fuel weight</b>	9,039 lb	4,100 kg
<b>Usable fuel (402 U.S. gallons/1,552 l)</b>	2,704 lb	1,227 kg
<b>Maximum payload</b>	2,336 lb	1,060 kg
<b>Maximum payload with full fuel</b>	1,087 lb	493 kg
<b>Basic operating weight</b>	6,703 lb	3,040 kg

## Miscellaneous

Airframe maintenance schedule	600 h/annual
Certification	FAA FAR 23/EASA CS 23

## Powerplant

Manufacturer	Pratt & Whitney Canada
Model	PT6E-67XP
Rated thermodynamic power	1,845 shp
Normal take-off power	1,200 shp
Climb flat-rating	1,200 shp
Cruise flat-rating	1,100 shp
Time Between Overhaul (TBO)	5,000 h
Sustainable Aviation Fuel (SAF) <small>They meet all international quality standards (ASTM D7566) and are fully approved and safe for use.</small>	Blends of up to 50 <span> </span> %

## Propeller

	U.S.	Metric
Propeller speed (constant) Hartzell full-reversing 5-blade composite		1,700 rpm
Propeller speed (low)		1,550 rpm
Propeller ground clearance	12.5 in	0.32 m
Time Between Overhaul (TBO)		4,000 h

## Kinds of operations

Visual Flight Rules (VFR)

Instrument Flight Rules (IFR)

Day and night

Flight into known icing conditions

Single or dual-pilot operation

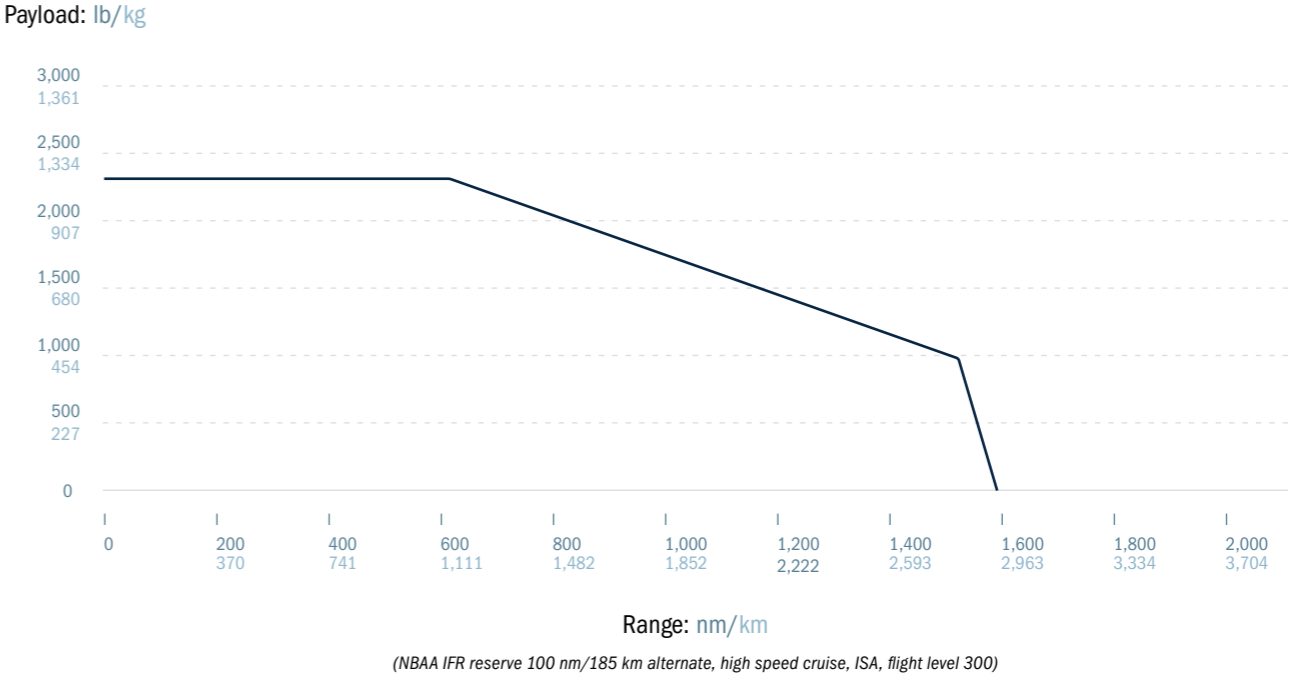
Operations from paved and unpaved surfaces

# Warranty

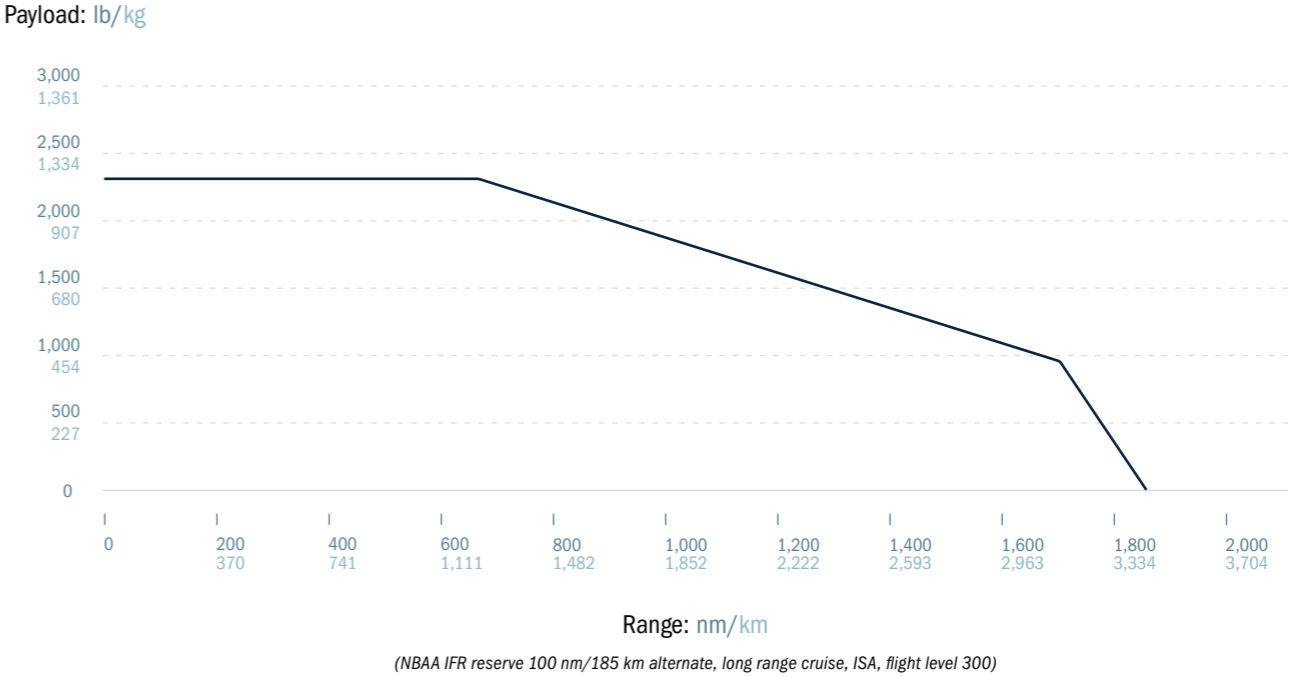
Airframe	7 years	5,000 h
Propeller	6 years	4,000 h
Engine	5 years	2,500 h
Avionics	5 years	
Systems	3 years	3,000 h
Interior & Paint	2 years	2,000 h

# Range & Payload

## High Speed Cruise – 6 Seat Executive



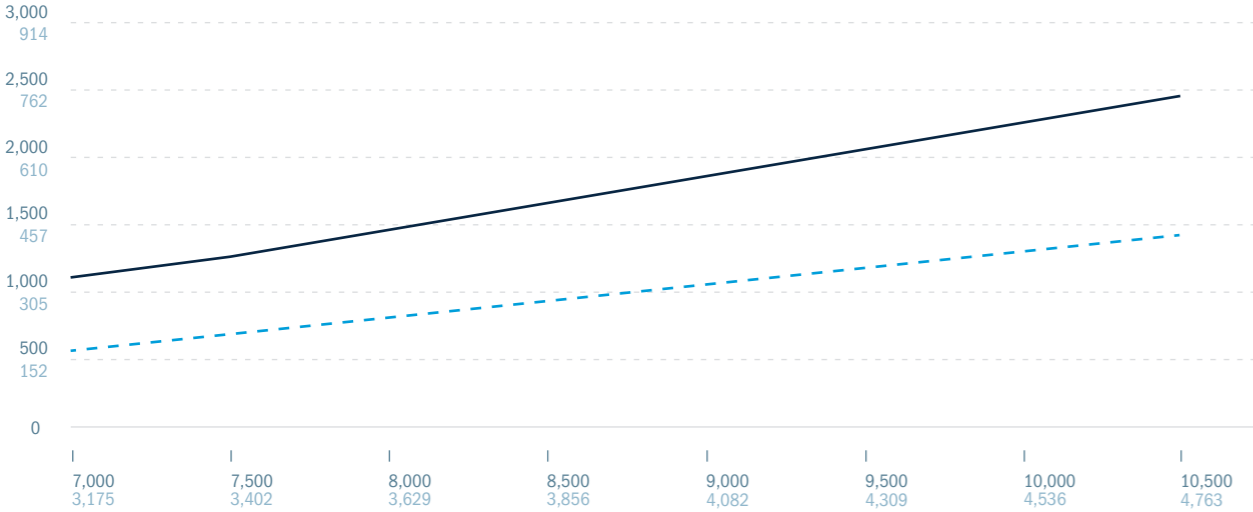
## Long Range Cruise – 6 Seat Executive



# Runway Performance

## Take-off Distance

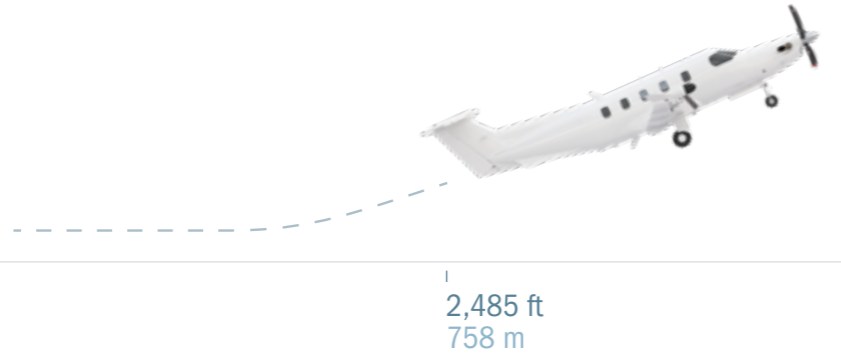
Take-off Distance: ft/m



Take-off Weight: lb/kg

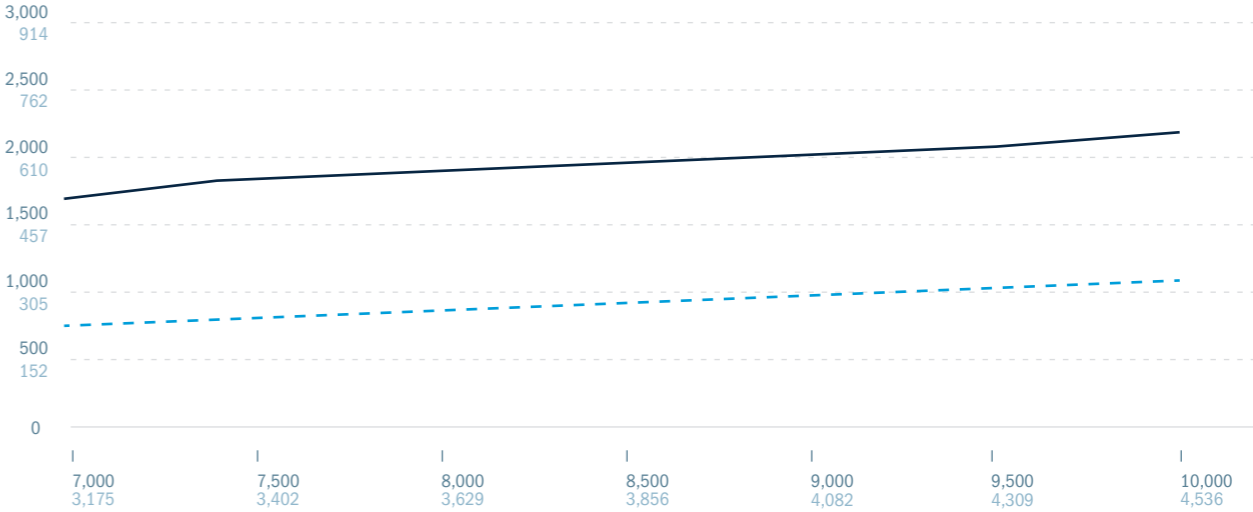
Take-off Distance  
Ground Roll

(Sea level, ISA, flaps 30°, over 50 ft/15 m obstacle)



## Landing Distance

Landing Distance: ft/m



Landing Weight: lb/kg

Landing Distance  
Ground Roll

(Sea level, ISA, flaps 40°, over 50 ft/15 m obstacle, without reverse thrust)



# Cockpit



- 1 - USB Ports
- 2 - Parking brake handle
- 3 - Push to talk
- 4 - Environmental control system side air outlet
- 5 - Garmin Indicator (GI) 275 standby instrument
- 6 - Garmin Display Unit (GDU) 1470W pilot side Primary Flight Display
- 7 - Autoland Button
- 8 - Master caution and warning lights
- 9 - Barometric pressure knob
- 10 - Global Flight Center (GFC) 700 autopilot controller
- 11 - Garmin Display Unit (GDU) 1470W Middle Flight Display
- 12 - Overhead electrical control panel
- 13 - Garmin Display Unit (GDU) 1470W co-pilot side Primary Flight Display
- 14 - Feather inhibit button
- 15 - Control yoke
- 16 - Ice protection panel
- 17 - Landing gear handle
- 18 - Garmin Display Unit (GDU) 770W (secondary displays)
- 19 - Air conditioning system switches
- 20 - Cabin pressurization control panel
- 21 - Oxygen system pressure gauge
- 22 - Co-pilot mask microphone selector
- 23 - Aileron trim switch
- 24 - Flap selector lever
- 25 - Power control lever
- 26 - Cockpit and cabin lighting controls
- 27 - Cursor control device
- 28 - Fuel emergency shut off handle
- 29 - Emergency gear extension handle
- 30 - Air cycle system shutoff handle

# Fly the PC-12 PRO.

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