

 Crafted in Switzerland

PC-12 NGX

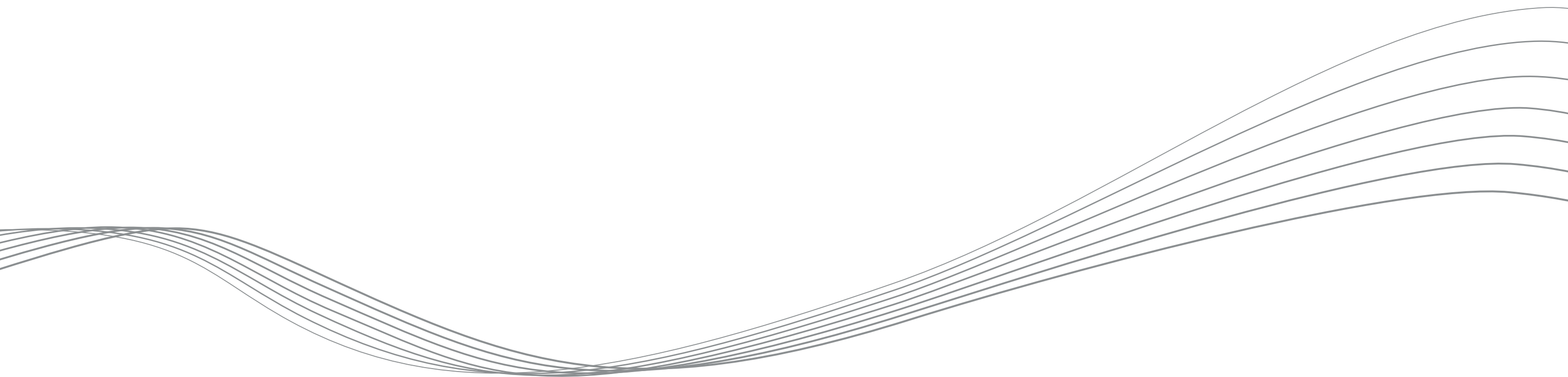
THE WORLD'S GREATEST SINGLE JUST THE FACTS



 PILATUS 

THE WORLD'S GREATEST SINGLE

PC-12 NGX

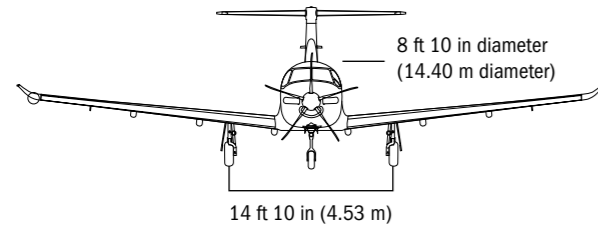
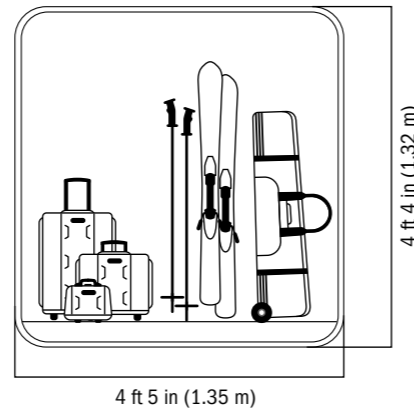
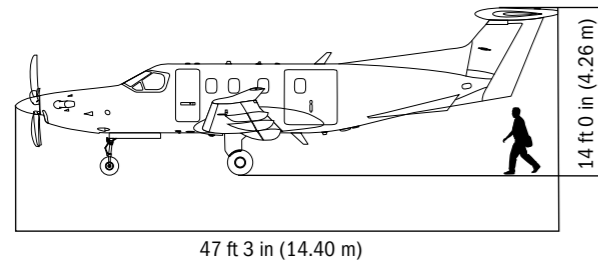
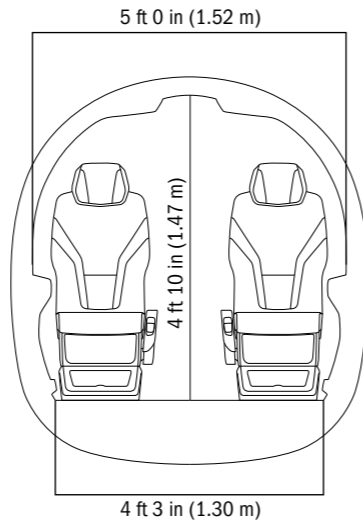
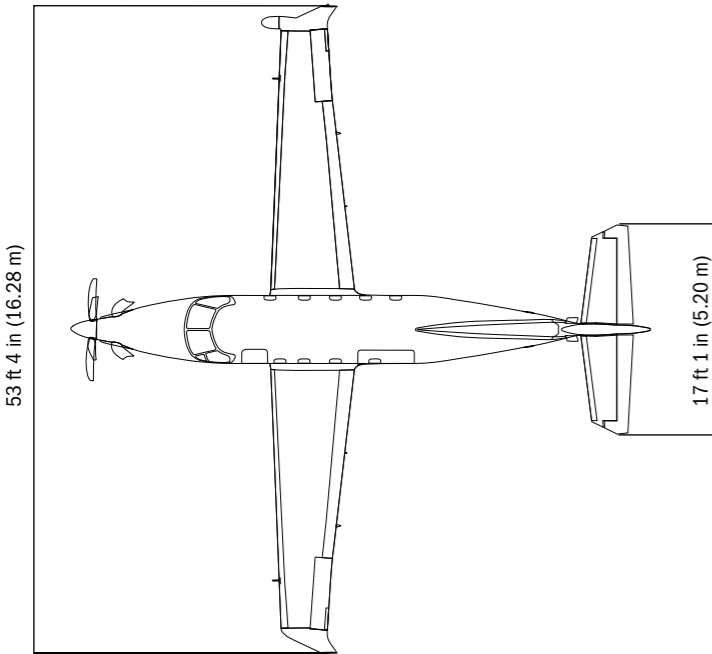


OVERVIEW

The PC-12 NGX is a large, powerful, efficient and versatile business and utility aircraft that delivers benefits across the board by drawing on a long list of strengths:

- A Pratt & Whitney Canada PT6E-67XP engine, flat-rated to 1,200 shaft horse power
- First in segment dual-channel autothrottle with Electronic Propeller and Engine Control System
- State-of-the-art integrated avionics that combines the power and capability of high end business jets, but optimized for single pilot operation and outstanding situational awareness
- Maximum cruise speed of 290 knots (537 kilometers per hour)
- Maximum range cruise of 1,889 nautical miles (3,498 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 (53 inch × 52 inch/1.35 meters × 1.32 meters) cargo door for loading bulky objects, cargo, and luggage
- A 330 cubic feet (9.34 cubic meters) pressurized passenger cabin with seating for up to nine passengers
- Fully enclosed flushing lavatory with hard doors to provide privacy
- Certified to be flown by a single pilot
- 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
- Reduced hourly direct operating cost due to extended airframe, systems, and engine maintenance intervals
- Operating costs 30 to 60 percent lower as compared to twin-engine jets and turboprops
- Outstanding safety record proven over ten million flight hours

DIMENSIONS AND WEIGHTS



DIMENSIONS (EXTERIOR)

Wing span	53 ft 4 in	16.28 m
Wing area	277.80 ft ²	25.81 m ²
Length	47 ft 3 in	14.40 m
Height	14 ft 0 in	4.26 m
Horizontal tail span	17 ft 1 in	5.20 m
Turn radius, wing tip	35 ft 7 in	10.86 m
Turn radius, outside main gear	16 ft 6 in	5.03 m

DIMENSIONS (INTERIOR)

Cabin length (cockpit/cabin partition to aft pressure bulkhead)	16 ft 11 in	5.16 m
Cabin width	5 ft 0 in	1.52 m
Cabin floor width	4 ft 3 in	1.30 m
Cabin height (continuous flat floor)	4 ft 10 in	1.47 m
Cabin volume (cockpit/cabin partition to aft pressure bulkhead)	330 ft ³	9.34 m ³
Baggage compartment volume (all baggage internally accessible)	40 ft ³	1.13 m ³
Passenger door height	4 ft 5 in	1.35 m
Passenger door width	2 ft 0 in	0.61 m
Cargo door height	4 ft 4 in	1.32 m
Cargo door usable width	4 ft 5 in	1.35 m

WEIGHTS

Maximum ramp weight	10,495 lb	4,760 kg
Maximum take-off weight	10,450 lb	4,740 kg
Maximum landing weight	9,921 lb	4,500 kg
Maximum zero fuel weight	9,039 lb	4,100 kg
Usable fuel (402 US gal/1,522 l)	2,704 lb	1,227 kg
Maximum payload	2,236 lb	1,014 kg
Maximum payload with full fuel	988 lb	448 kg
Basic operating weight (6 seat executive, incl. 1 pilot)	6,803 lb	3,086 kg

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	5,000 h

PROPELLER

Hartzell full-reversing 5-blade composite	
Propeller speed (constant)	1,700 rpm
Propeller speed (low mode)	1,550 rpm
Propeller ground clearance	12.5 in 0.32 m
Time between overhaul	4,000 h

All PC-12 NGX data is subject to change without notice.

INTERIOR CONFIGURATIONS



1

1 | 6 SEAT EXECUTIVE

Make the most out of the PC-12 NGX cabin with ample space for passengers, baggage, catering equipment and a private lavatory. Each executive seat features quick-change capability.



2

2 | 6 EXECUTIVE + 2

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.



3

3 | 8 SEAT EXECUTIVE

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.



4

4 | 4 EXECUTIVE + 4

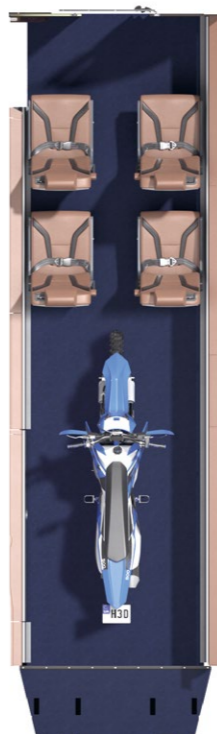
Whenever the need arises, the pilot can simply add or remove the four quick-release, lightweight commuter seats, allowing flexible accommodation for four to eight passengers.



5

5 | COMMUTER

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



6

6 | 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.



7

7 | 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.



8

8 | AIR AMBULANCE

Air ambulance operations require easy cabin access, patient comfort and robust interior functionality while operating in remote locations – PC-12 NGX specialities.

PERFORMANCE

TAKE-OFF DISTANCE

Over 50 ft (15 m) obstacle 2,485 ft 758 m
(Max. take-off weight, ISA, sea level, dry paved runway)

RATE OF CLIMB

Max take-off weight, sea level 1,920 ft/min 9.75 m/s
 Time to climb sea level
 to flight level 250 *(direct climb)* 19 min

CRUISE

Maximum cruise speed *(flight level 220)* 290 KTAS 537 km/h

PAYLOAD/RANGE

Maximum payload *(2,236 lb/1,014 kg)* 694 nm 1,285 km
 6 passengers *(1,200 lb/544 kg)* 1,568 nm 2,903 km
 4 passengers *(800 lb/363 kg)* 1,803 nm 3,339 km
 Ferry range 1,889 nm 3,498 km

(NBAA IFR reserves of 100 nm/185 km, long range cruise, ISA, flight level 300, single pilot operation, 6 seat executive configuration)

ALTITUDE

Maximum certified altitude 30,000 ft 9,144 m

LANDING DISTANCE

Over 50 ft (15 m) obstacle 2,170 ft 661 m
(Max. landing weight, ISA, sea level, dry paved runway)

STALL SPEED

Landing configuration 67 KIAS 124 km/h
(Max. landing weight, ISA, sea level)

LOADING

Wing 37.6 lb/ft² 183.7 kg/m²
 Power 8.71 lb/shp 3.95 kg/shp

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	3 years	n/a
• Interior, paint & systems	2 years	2,000 h

MISCELLANEOUS

Airframe maintenance schedule	600 h/annual
Certification	FAA FAR 23

DIRECT OPERATING COST

FUEL

Based on 69 gallons per hour (261 liters per hour) on 300 nautical miles (556 kilometers) trip segments. Includes actual climb, cruise and descent fuel for optimal trip.

MAINTENANCE LABOR

Based on 0.93 man-hours per flight hour at a labor rate of 126 US dollars per man-hour. Includes routine scheduled, unscheduled and on-condition maintenance labor for airframe and avionics. *USD 117.31/flight hour*

MAINTENANCE PARTS

Includes airframe, avionics and minor engine consumable parts required for routine scheduled, unscheduled and on-condition maintenance. *USD 186.00/flight hour*

PROPELLER OVERHAUL

Includes both parts and labor required for overhaul, including the cost of any life-limited parts. *USD 6.00/flight hour*

MAJOR PERIODIC MAINTENANCE

Components that require major inspections or overhauls at regular intervals. *USD 94.00/flight hour*

ENGINE RESTORATION

Pratt & Whitney E-Series Eagle Service Plan Platinum full-coverage service program. *USD 173.15/flight hour*

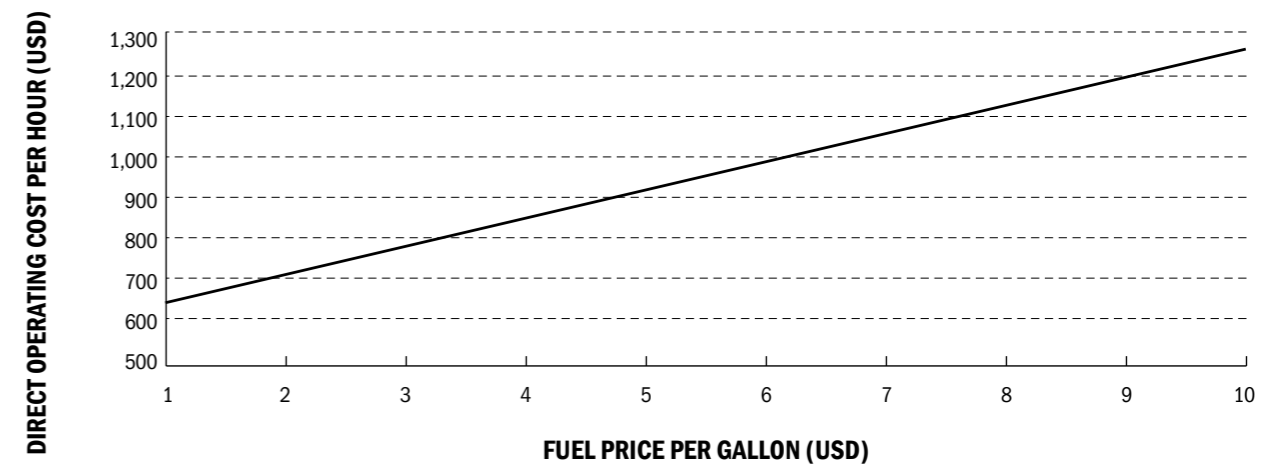
TOTAL

Includes maintenance labor, parts, propeller and engine accrual. *USD 576.46/flight hour*

AVERAGE BLOCK SPEED

264 knots (489 kilometers per hour) on 300 nautical miles (556 kilometers) trip.

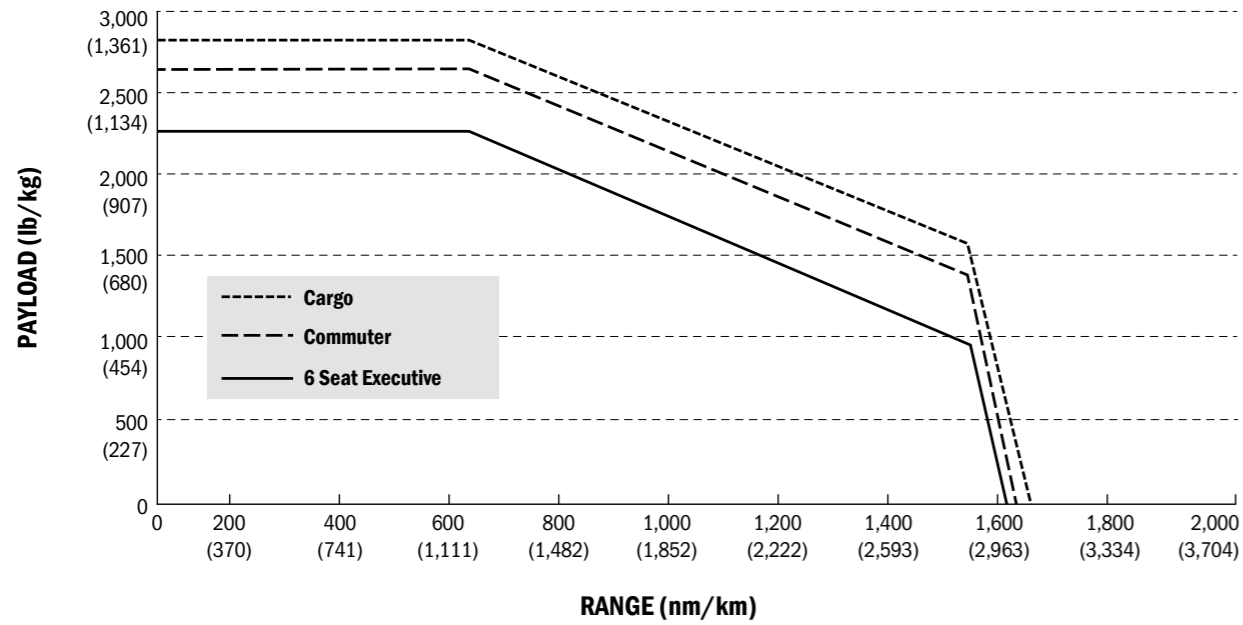
Cost per nautical mile may be calculated by dividing the cost per hour by the average block speed 264.



Note: maintenance labor and parts costs assume the aircraft is out of warranty. Actual labor and parts expense will be lower while the aircraft is under warranty. All maintenance, labor, parts, and inspection costs as published by Conklin & de Decker Associates, Inc., Aircraft Cost Evaluator, online May 2024. Operating costs shown represent a typical average operation of the PC-12 NGX, and do not represent a fixed offer or guarantee. Actual operating costs will vary based on aircraft configuration and options, trip stage length, fuel price, operating conditions and procedures, local labor rates, and variances in individual aircraft.

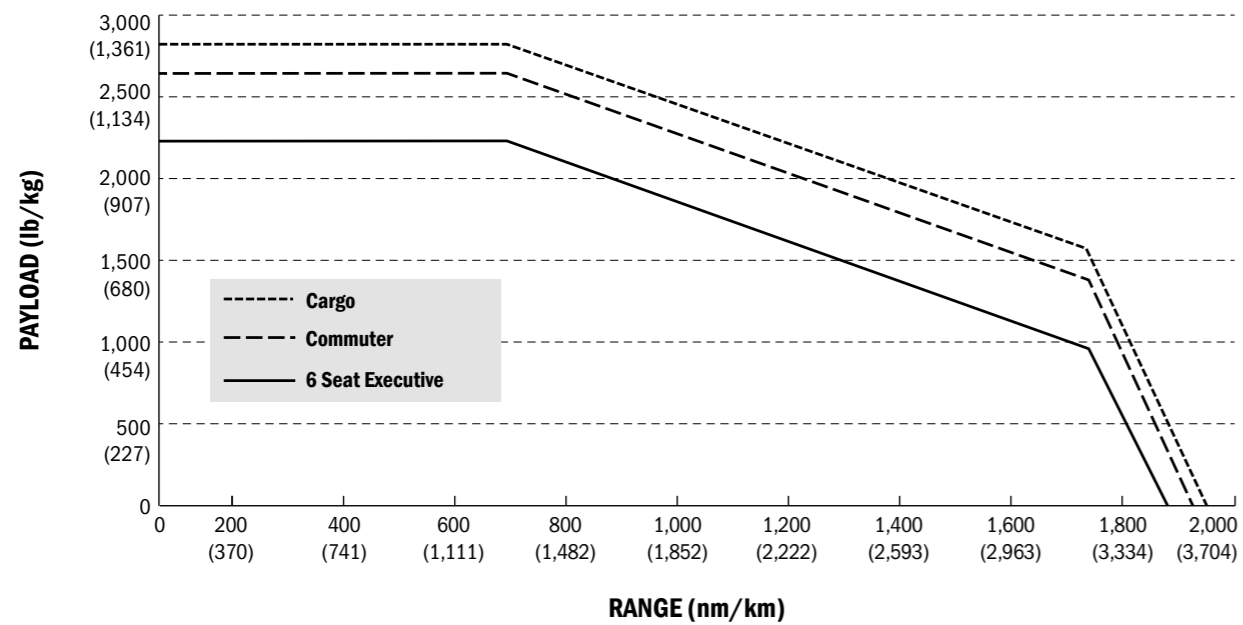
RANGE AND PAYLOAD CAPABILITY

RANGE AND PAYLOAD - HIGH SPEED CRUISE



(NBAA IFR reserve 100 nm/185 km alternate, high speed cruise, ISA, flight level 300)

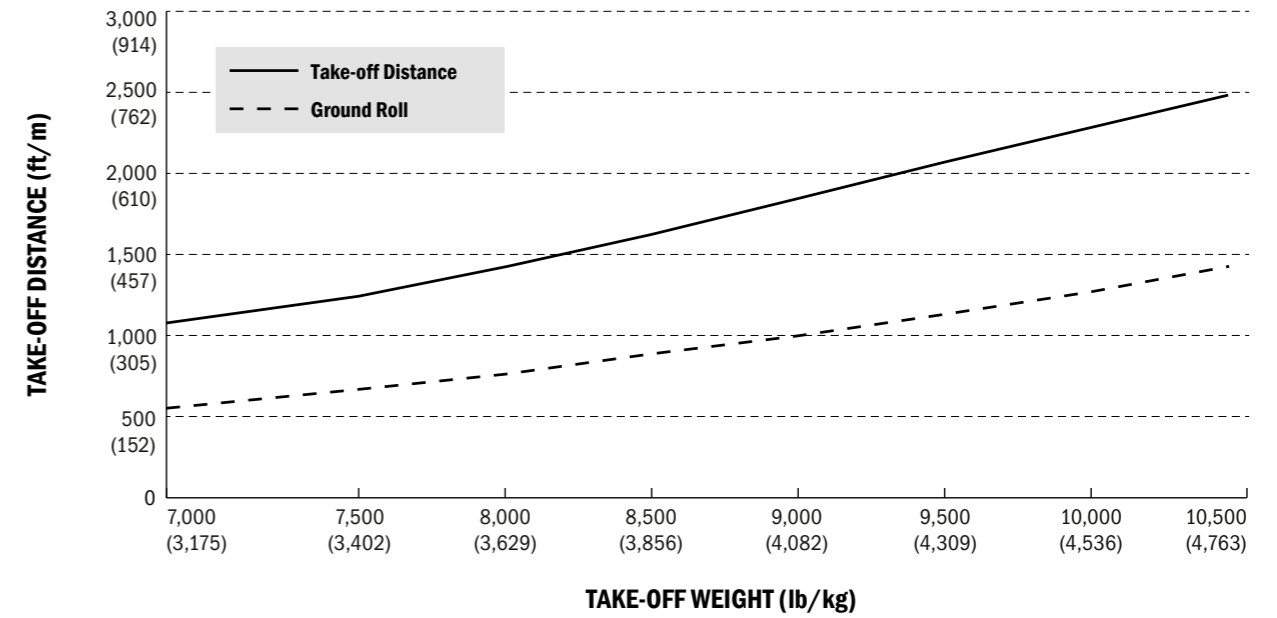
RANGE AND PAYLOAD - LONG RANGE CRUISE



(NBAA IFR reserve 100 nm/185 km alternate, long range cruise, ISA, flight level 300)

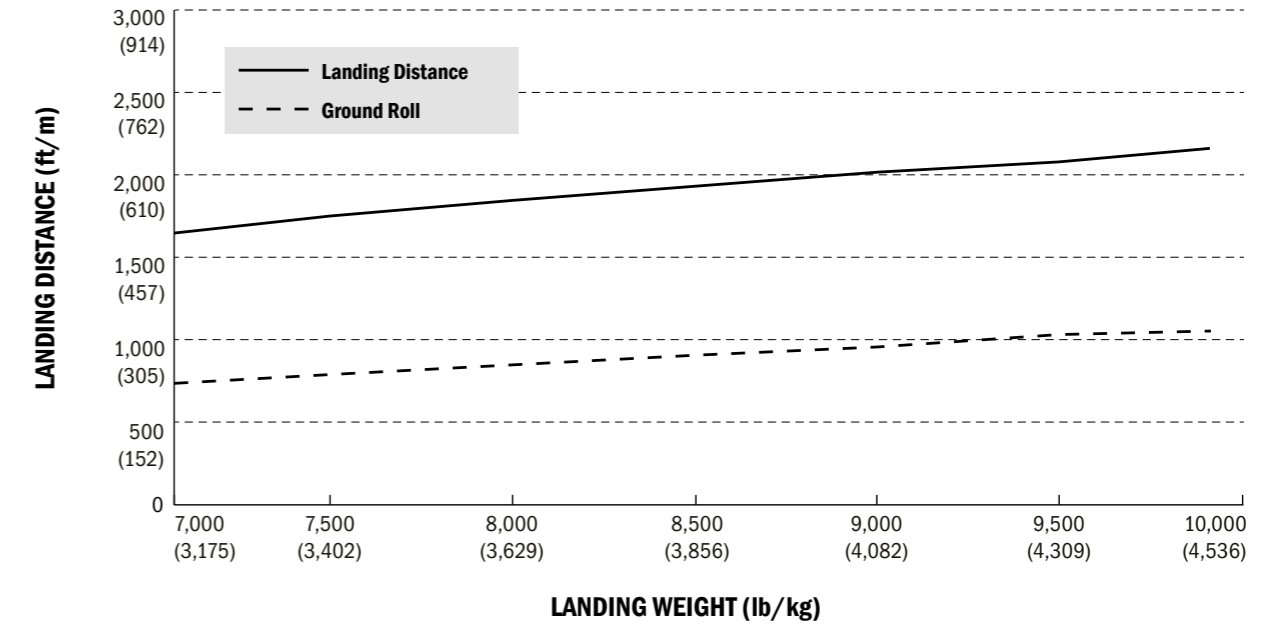
RUNWAY PERFORMANCE

TAKE-OFF DISTANCE



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

LANDING DISTANCE



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

ACE FLIGHT DECK



1. Parking brake handle
2. Environmental control system side air outlet
3. Emergency standby instrument system
4. Primary flight display
5. Master caution and warning lights
6. Audio/marker panel
7. Primary flight display and radio control panel
8. Situation awareness multi-function display
9. Autopilot control panel
10. Overhead electrical control panel
11. Co-pilot primary flight display and radio control panel
12. Co-pilot audio/marker panel
13. Co-pilot primary flight display

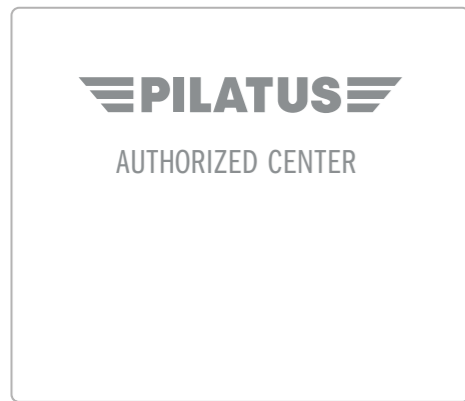
14. Control wheel
15. Air conditioning system and cabin pressurization control system
16. Systems multi-function display
17. Touch screen controller
18. Flap/trim interrupt and altitude stabilizer trim and propeller low speed switch
19. Flap selector
20. Cockpit and cabin lighting controls
21. Cursor control device
22. Power control lever
23. Ice protection switches

CONTACT US

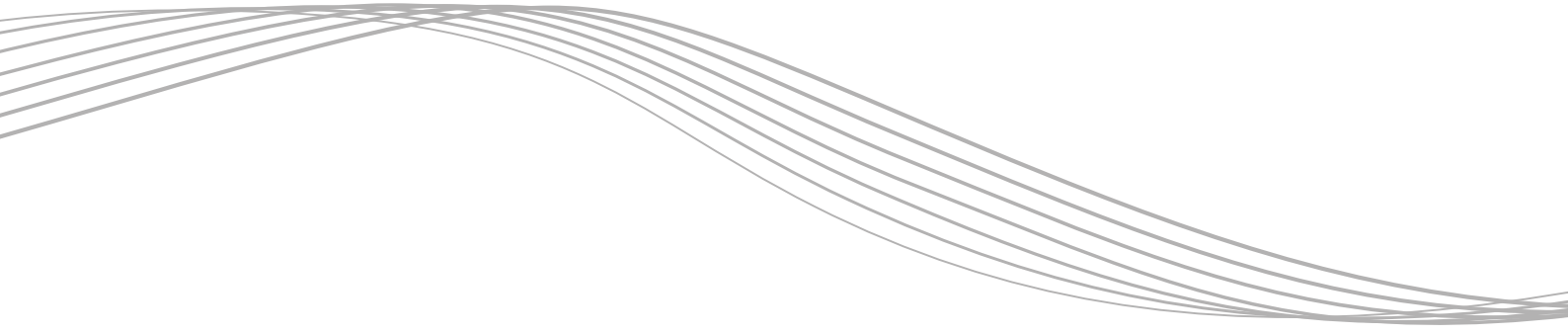
FLY PILATUS CLASS

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Founded in 1939, Pilatus Aircraft Ltd develops and produces the world's most unique aircraft: from the legendary PC-12, the best-selling single-engine turboprop in its class, to the PC-7 MKX and PC-21 and associated simulators, the market-leading systems for pilot training. The PC-24 is the world's first ever business jet designed for use on short unprepared runways. The Pilatus team consists of over 2,500 exceptional employees who make the company, which is domiciled in Stans, one of the largest and most innovative employers in Switzerland. The Pilatus Group also includes independent subsidiaries in the USA and Australia. Pilatus provides training for over 140 apprentices in various professions – job training for young people has always been a very high priority. Pilatus remains committed to Switzerland as a hub for work and new ideas, and acts in a sustainable and environmentally-conscious manner at all times.



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