



Skylander SK-105
Next generation
twin-turboprop transporter

sk-105



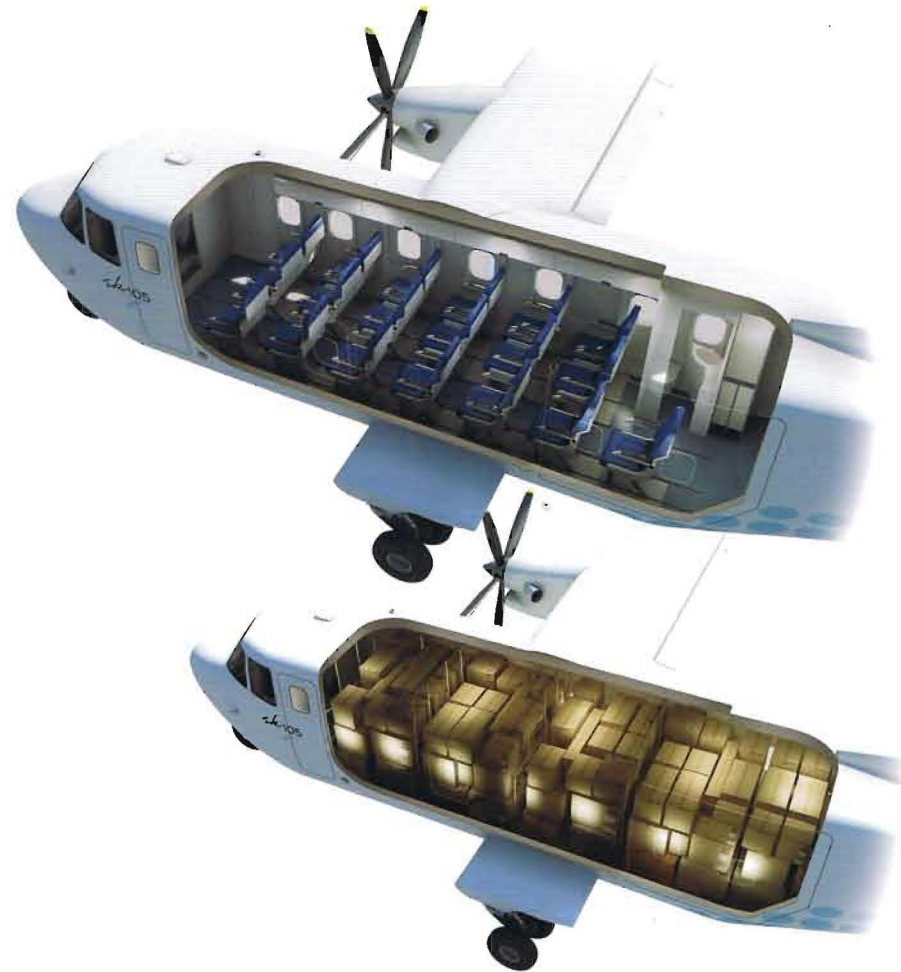
A plane designed to meet your needs and surpass your expectations

With best-of-breed technologies and avionics, the Skylander SK-105 is a quantum leap forward in turboprop functionality.

The product of extensive studies, this flexible turboprop aircraft is the answer to a real need. It is a modern, powerful, cross-configurable and economical solution to passenger, cargo transport and humanitarian missions.



The product of a three decade legacy of insight and innovation in aeronautics



A paradigm of sustainability

A heavyweight in a lightweight category, the Skylander SK-105 is positioned to revolutionize the transport of commuters and goods in developing and isolated regions. It is simply the most efficient and flexible solution for commerce, passenger transport and mission mobilization in its category.

Capable of operating from hostile environments and short, unprepared runways, the Skylander SK-105 maximizes payload and flight distance between fuelings and features a very competitive acquisition price/payload ratio. Practical and efficient, its meticulously simplified design features high wing, fixed landing gear and an un-pressurized cabin. It comes equipped with Pratt & Whitney PT6-65B engines, an advanced avionics system and glass cockpit (including autopilot, EFIS, TCAS and TAWS), as well as cabin comfort amenities such as an onboard lavatory and galley.

Autonomous to a flight range of over 1100 NM, this quintessential utility aircraft optimizes volumetric density with a highly flexible cabin that is easily convertible from commercial passenger to cargo and combi configurations. With superior passenger load capacity at modern-day anthropometric standards, the Skylander affords excellent passenger space and comfort while allowing adequate cabin baggage. Cargo may be bulk, pallets, or three LD3 containers loaded through its large cargo door. A low cabin floor permits the boarding of bulk cargo without any special ground equipment.

Lavatory cleansing and cabin sanitization are simple operations, making the Skylander ideal for transporting perishables.

**An aircraft powerful
in its simplicity and
meaningful in its
practicality...
an aircraft designed
for the 21st century.**

First class worldwide support



An investment in the future of your fleet

Minimal operating and repair related costs place the Skylander in a class of its own. With minimal training necessary for air and maintenance crews, it is virtually a plug-and-play aircraft affording versatility and freshness to your fleet. What's more, the Skylander promotes fleet commonalization and harmonization with quick ROI and minimal investment in spare parts.

Optimized for operational productivity, it performs at accelerated turn-around times, with easy cabin role-change, pilot-friendly avionics and single pilot operation in non-commercial and pure freight missions.

Maintenance made easy

A state-of-the-art model of simplicity, the Skylander SK-105 has considerably fewer operating parts than any other aircraft in its class. Designed for reliability and availability, Skylander integrates systems and components that meet the most stringent testing, repair, simplicity and accessibility criteria. The Skylander comes with the latest management software to optimize maintenance activities – from component management and inventory through reliability reporting and compliance.

Certain field maintenance operations, including the replacement of a spare tire, can be executed by a single crew member. Assembled using proven and accessible components, such as propellers, avionic equipment and mechanics, facilitate maintenance even in remote sites.

Worldwide Support Infrastructure

Sky Aircraft SAS has integrated a global, streamlined support system assuring rapid response times for service, and an international network for parts and repair.

Western Certification

The Skylander SK-105 is CS23/FAR23 commuter-certified and adheres to the most rigorous standards in operational safety. The aircraft comes with features such as comprehensive anti-icing and structural load factors for mission specific applications such as aerial survey and fire-bombing. The Skylander comfortably meets Stage IV external noise requirements of the International Civil Aviation Organization.





The Skylander SK-105's full-metal design has been meticulously simplified to maximize efficiency and minimize operating and repair related costs. The aircraft integrates the latest know-how in corrosion protection. It comes with state-of-the-art product support.

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- ⊗ Large available volume (28 m³ / 989 cu.ft) and payload (3.4 tons)
- ⊗ Easily adjustable from passenger to cargo configurations
- ⊗ Operates from short and unprepared runways
- ⊗ Autonomous with exceptional range (1,100 NM / 2,040 km)
- ⊗ Proven systems and equipment
- ⊗ Excellent accessibility
- ⊗ The latest in anti-corrosion treatment
- ⊗ State-of-the-art maintenance management system
- ⊗ Low operating cost

SK-105 SPECIFICATIONS

Dimensions

Overall Height	6.38 m / 20.94 ft
Overall Length	14.78 m / 48.50 ft
Wing Span	21.60 m / 71.00 ft
Wing Area	42.92 m ² / 462 sq. ft
Entrance Door	0.6 x 1.72 m / 24 x 68 in
Cargo Door	1.68 x 1.75 m / 66 x 68.9 in
Baggage Door	0.6 x 1.04 m / 24 x 41 in
Emergency Exits (3)	0.55 x 0.86 m / 21.6 x 34 in

Operating Weights

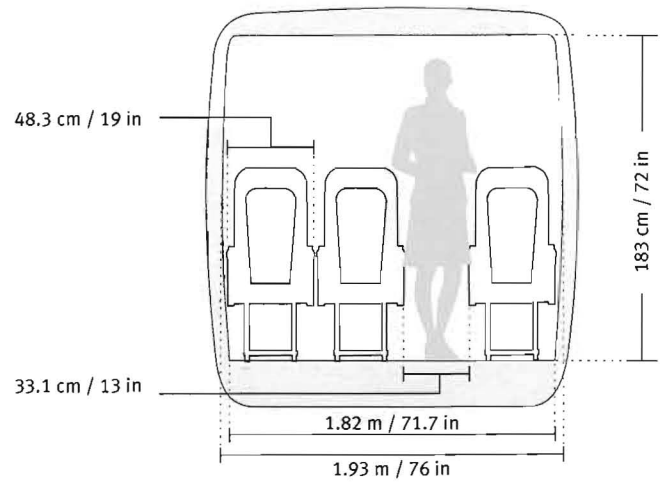
Maximum Ramp Weight (MRW)	8,437 kg / 18,600 lb
Maximum Take-off Weight (MTOW)	8,392 kg / 18,500 lb
Maximum Landing Weight (MLW)	8,392 kg / 18,500 lb
Maximum Zero Fuel Weight (MZFW)	7,980 kg / 17,592 lb
Operational Empty Weight*	4,664 kg / 10,282 lb
Maximum Payload	3,402 kg / 7,500 lb
Maximum Payload (19 pax)	2,960 kg / 6,525 lb
Maximum Fuel Load	2,586 kg / 5,700 lb

* Cargo Bulk configuration with two pilots

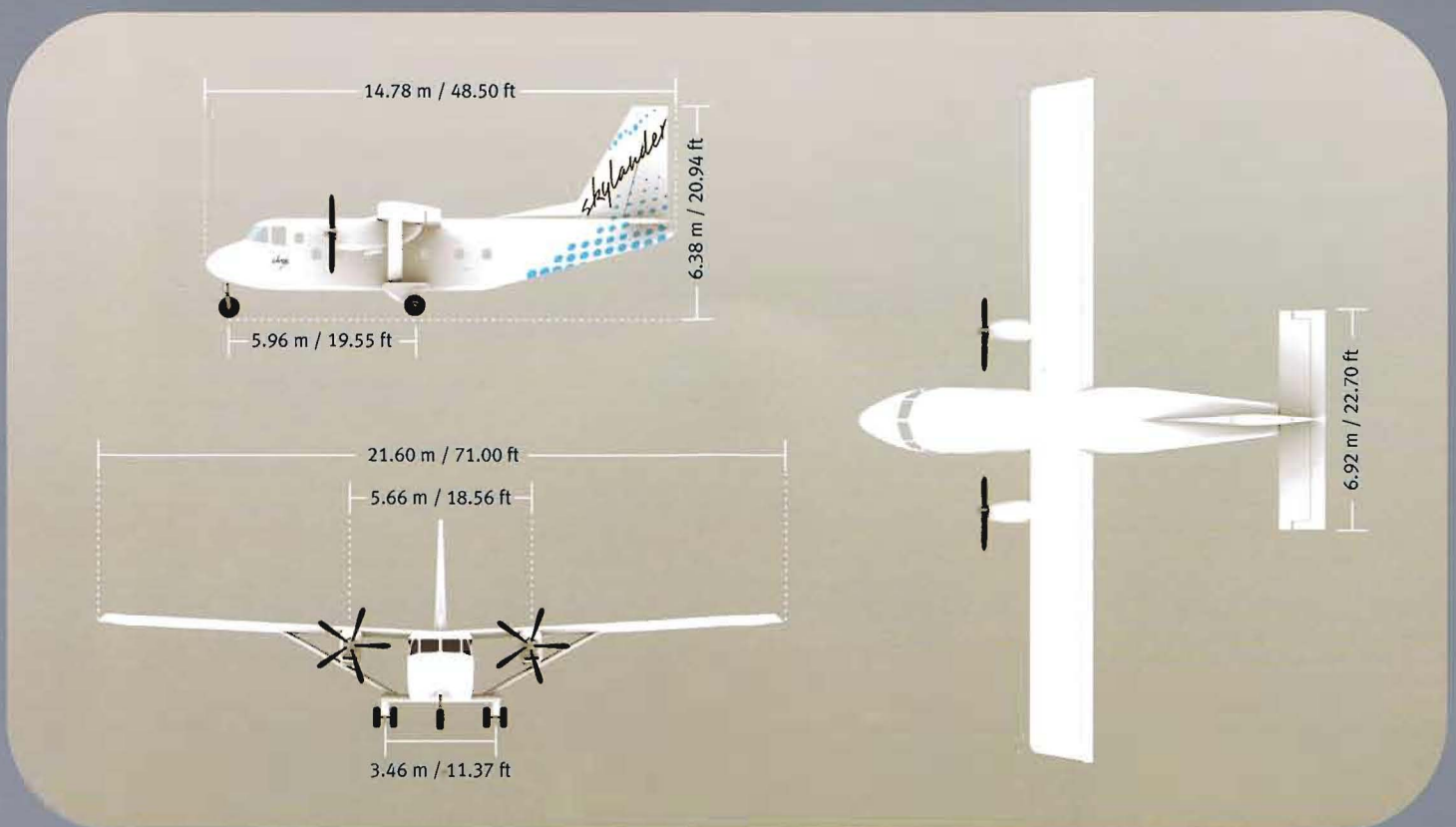
Powerplant

Engines	P&W PT6A-65B
Propellers	Hartzell - 5 metallic blades

Cabin



Views





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The Skylander SK-105 is capable of operating from short and unprepared runways and features the highest volume, payload and fuel capacity in its category.

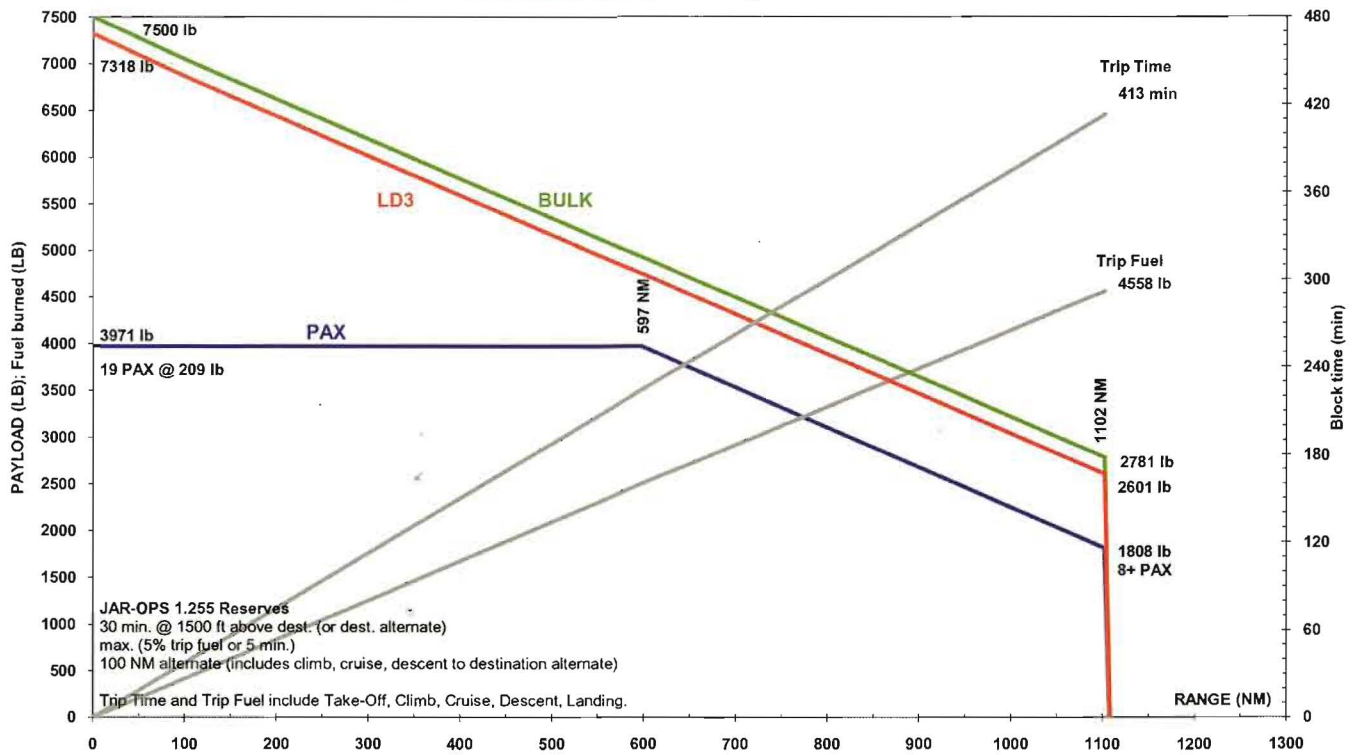
Performance *

Take-off Distance (MTOW)	800 m / 2,625 ft
Take-off Distance (19 pax; 200 NM)	706 m / 2,316 ft
Take-off Run (MTOW)	695 m / 2,280 ft
Landing Distance (factored)	810 m / 2,657 ft
Ground roll Distance	200 m / 656 ft
Maximum Ceiling	7,620 m / 25,000 ft
Maximum Patrol Time	8 hours
Maximum Cruise Speed	212 kts at 10,000 ft
Economic Cruise Speed	150-180 kts at 10,000 ft
Maximum Range: 8 pax	1,102 NM / 2,041 Km
Maximum Range: 19 pax	597 NM / 1,106 Km
Maximum Rate of Climb	2,150 ft / min

* SL, ISA+15, MTOW/MLW

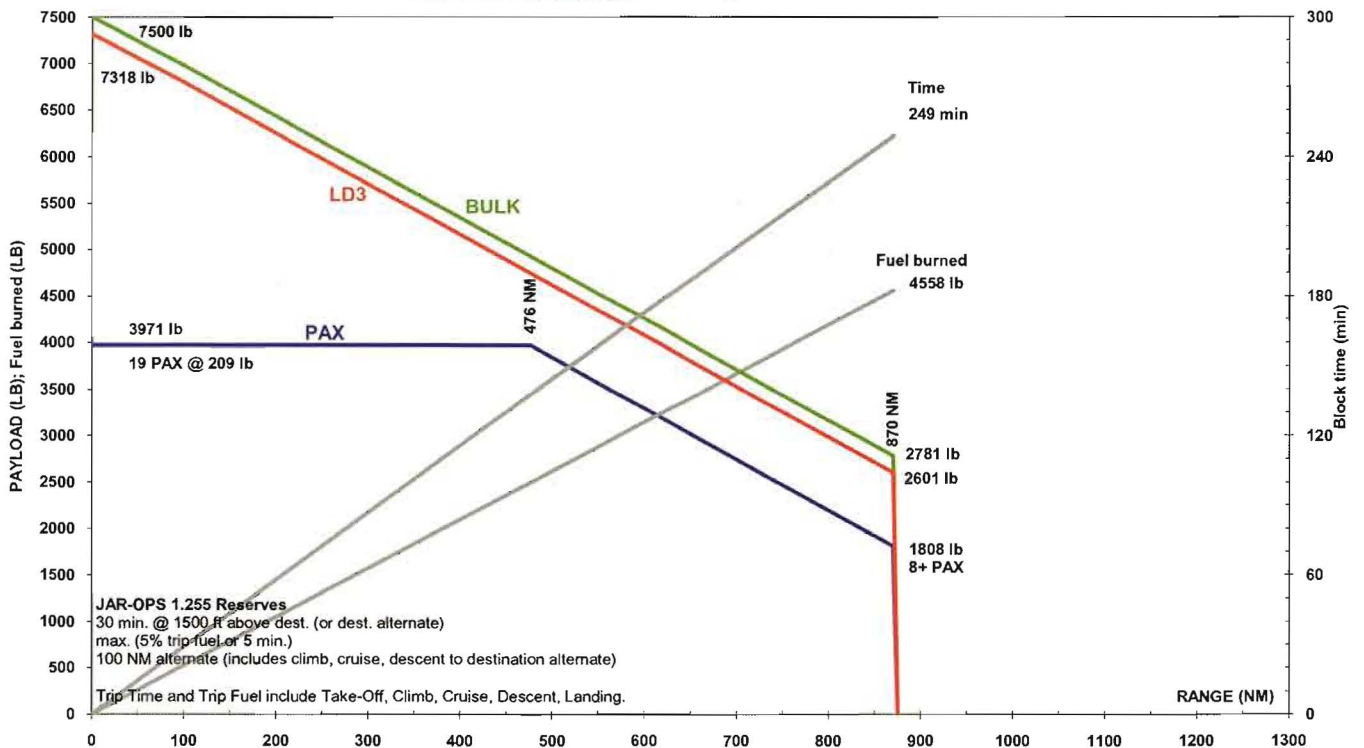
SKYLANDER PAYLOAD RANGE PT6A-65B / 5 blade propeller

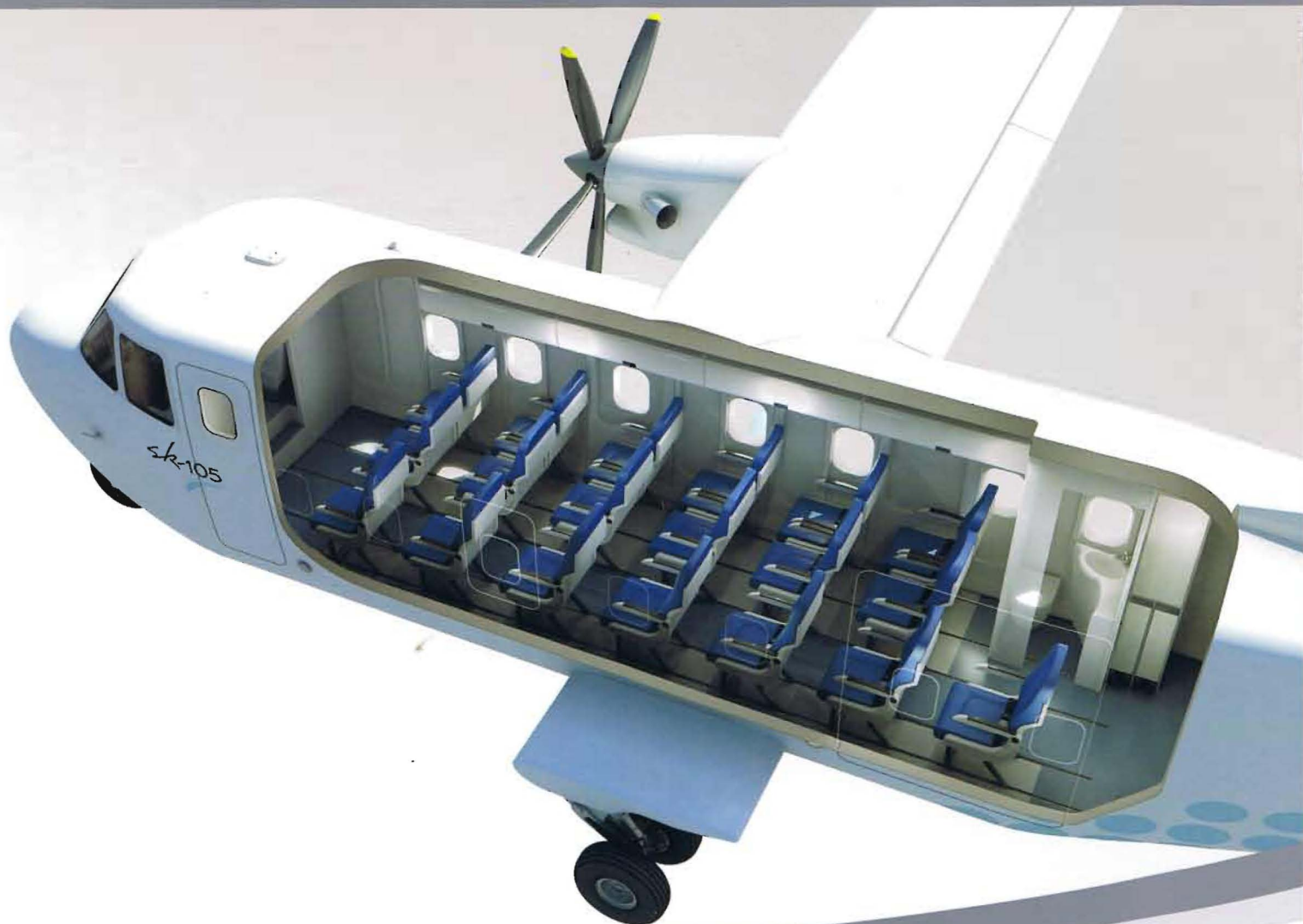
Economical Cruising Speed; 160 kts @ 10000 ft Cruise Altitude



SKYLANDER PAYLOAD RANGE PT6A-65B / 5 blade propeller

Max. Continuous Power; 212 kts @ 10000 ft Cruise Altitude





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Passenger (pictured)

19 Passengers at 31" pitch
1.83 m / 72" max headroom
3.2 m³ / 113 cu.ft baggage compartment
Adjustable seating

Combi

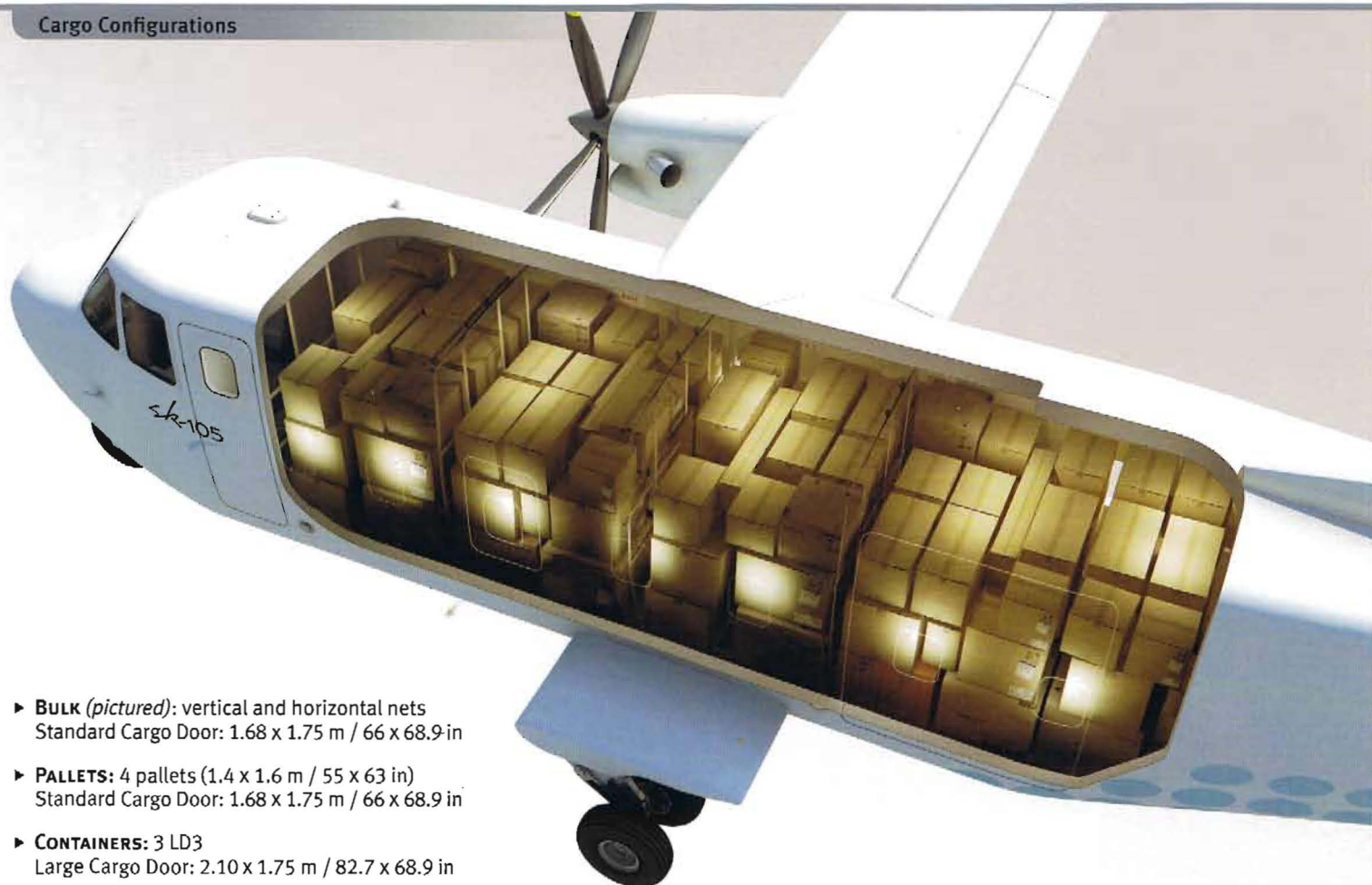
Accommodates:

- ▶ 6 pax at 31" pitch plus 17 m³ (600 cu.ft) available volume
- ▶ 9 pax at 31" pitch plus 16.1 m³ (568 cu.ft) available volume
- ▶ 12 pax at 31" pitch plus 13.4 m³ (473 cu.ft) available volume
- ▶ 15 pax at 31" pitch plus 8.9 m³ (314 cu.ft) available volume

- ⊗ Largest cabin volume in CS23/FAR23 category
- ⊗ Easily convertible from passenger to combi and cargo configurations
- ⊗ Superior passenger load capacity
- ⊗ Bulk, pallet and LD3 loading
- ⊗ Flat and strong cabin floor

SK-105 CONFIGURATIONS

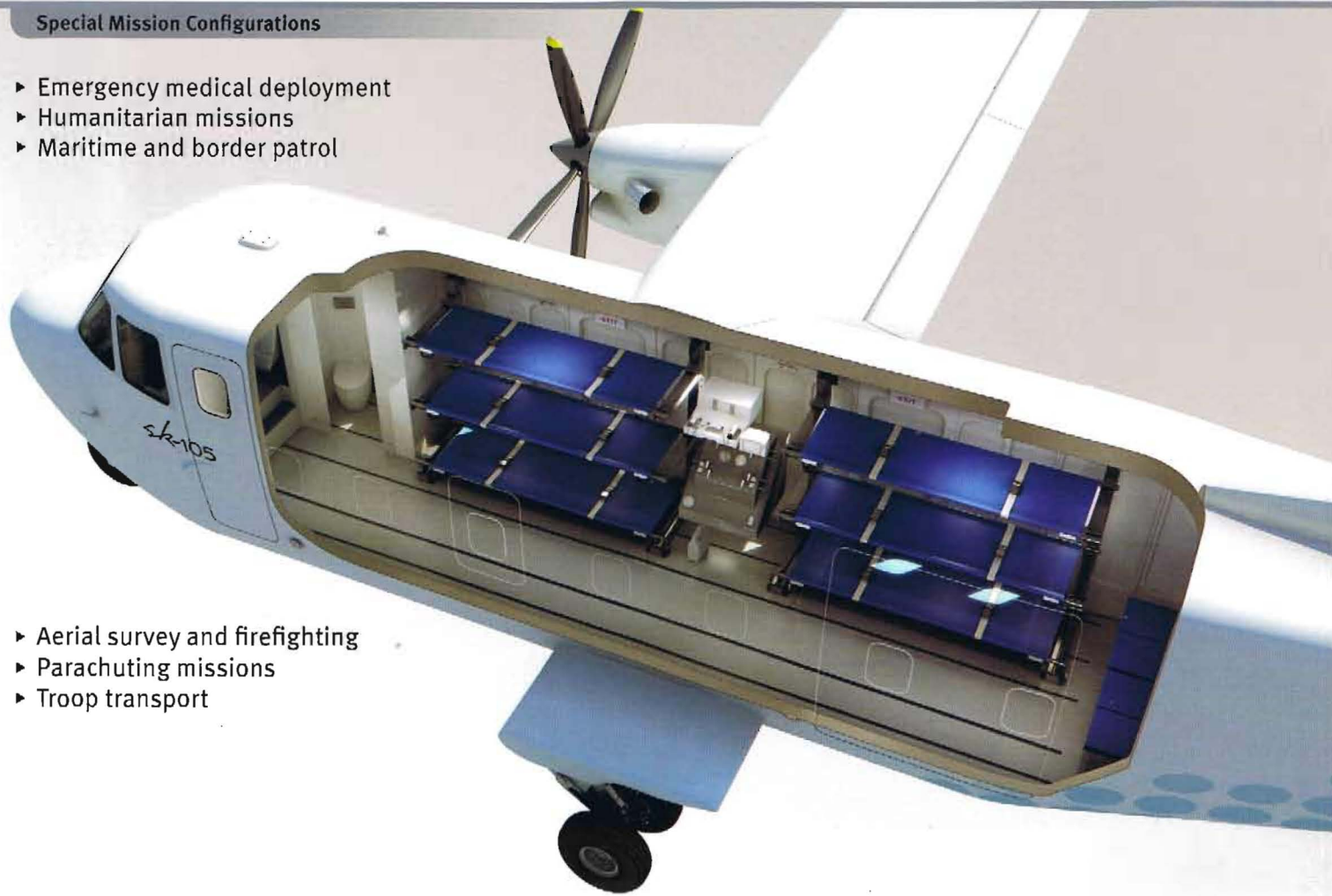
Cargo Configurations



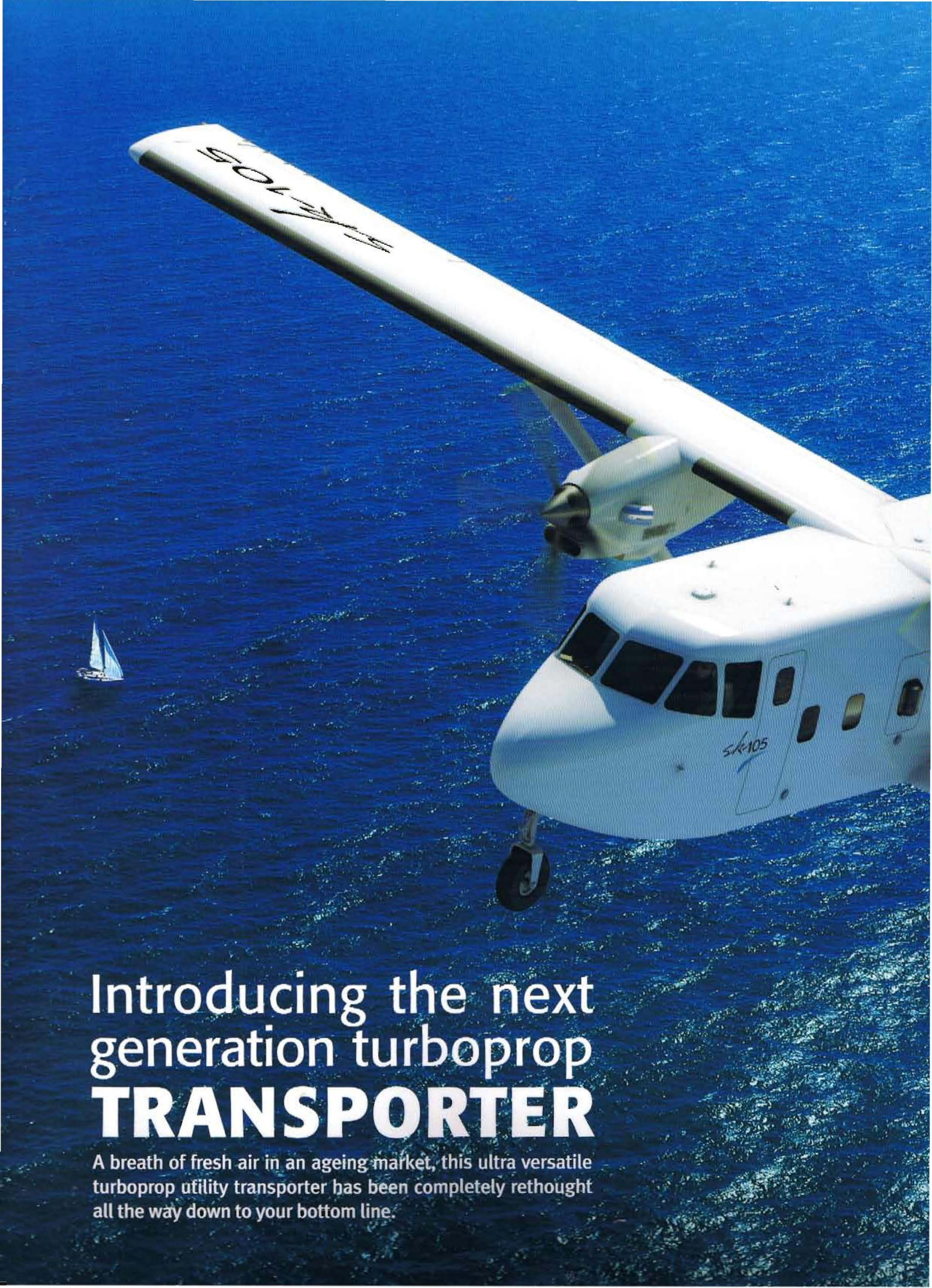
- **BULK** (*pictured*): vertical and horizontal nets
Standard Cargo Door: 1.68 x 1.75 m / 66 x 68.9 in
- **PALLETS**: 4 pallets (1.4 x 1.6 m / 55 x 63 in)
Standard Cargo Door: 1.68 x 1.75 m / 66 x 68.9 in
- **CONTAINERS**: 3 LD3
Large Cargo Door: 2.10 x 1.75 m / 82.7 x 68.9 in

Special Mission Configurations

- Emergency medical deployment
- Humanitarian missions
- Maritime and border patrol



- Aerial survey and firefighting
- Parachuting missions
- Troop transport



Introducing the next generation turboprop **TRANSPORTER**

A breath of fresh air in an ageing market, this ultra versatile turboprop utility transporter has been completely rethought all the way down to your bottom line.