

ISLANDER I610

Islander I610 is Islander Aerospace's shortened version of the I600, the base model of the Islander narrowbody family. It is a medium to long-range aircraft with seating for 150 passengers in single class layout.

The I610 is designed to cater to airlines who need greater range out of hot and high airports but not the capacity of widebodies, while using the advances in technology of the Islander family aircraft. It is also a great base model for a high-end business jet which Islander will offer an XJ version of. The aircraft can fly 7,200km with standard tanks and up to 11,000km with two removable auxiliary tanks.

Two engine options will be available for the aircraft. The Pratt & Whitney PW1000G geared turbofans and the Harriett H140. Both feature the latest in efficient aircraft engines.

The fuselage is wider than competing aircraft allowing more cabin comfort and more layout opportunities for the business jet version. The composite structure also enables the aircraft to have larger windows for better in-flight experience.

The wings will be the most efficient wings for any competing aircraft. The high aspect ratio reduces drag and allowing efficient cruise at higher mach. This is again possible because of the new composite materials that make the wing structure.

Automation will also play a key factor in the design that reduce the workload on the crew. Coupled with an overall balanced design, the I610 will have better safety than other aircraft.

This simple shrink will allow common parts and crew training to effectively operate this aircraft alongside the I600 family.



CREW

Cockpit 2
Cabin 4-6

PASSENGERS

Maximum 162
1-class 150
2-class 149

CARGO

Volume 28.5m3 / 1,010 cu ft
ULD 5x LD3-45

OVERALL GEOMETRY

Length 35.25m / 116 ft
Wingspan 35.8m / 117.45 ft
Fuselage width 4.04m / 13.24 ft
Cabin width 3.81m / 12.5 ft
Wheelbase 12.69m / 41.6 ft

WINGS

Wing area 108.3m2 / 1,166 sq. ft
(exposed + center box)
Aspect ratio 11.8
Wing loading 754.66kg/m2 / 154.53 lb/sq. ft
Sweep 26.5deg

WEIGHTS

MTOW 79,360kg / 175,060 lb
MZFW 58,530kg / 129,020 lb
OEW 40,380kg / 89,010 lb

FUEL

Volume 25,720L / 6,790 US gal
Wing + center tank 22,720L / 6,000 US gal
Aux. tank 3,000L / 790 US gal
Weight 20,830kg / 46,040 lb

PERFORMANCE

Range (km) 7,200km / 4,470mi
Speed max. Mach 0.88
Speed cruise Mach 0.82
Service ceiling 12,500m / 41,000 ft
Takeoff run 2,000m / 6,560 ft

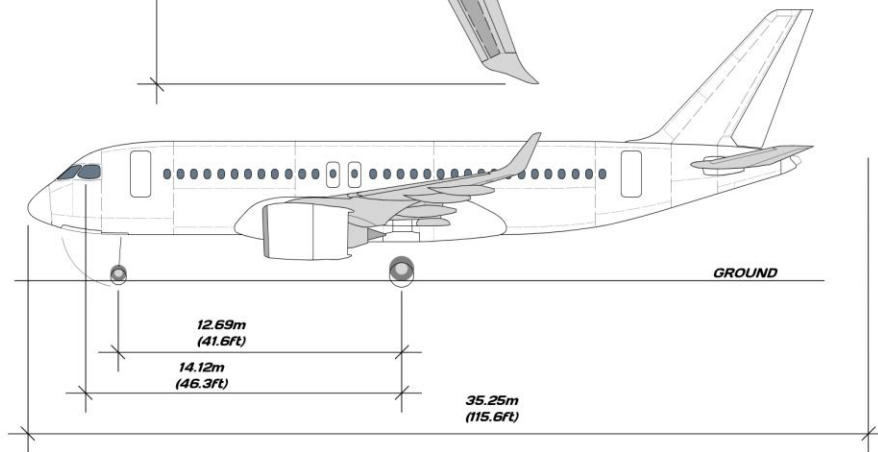
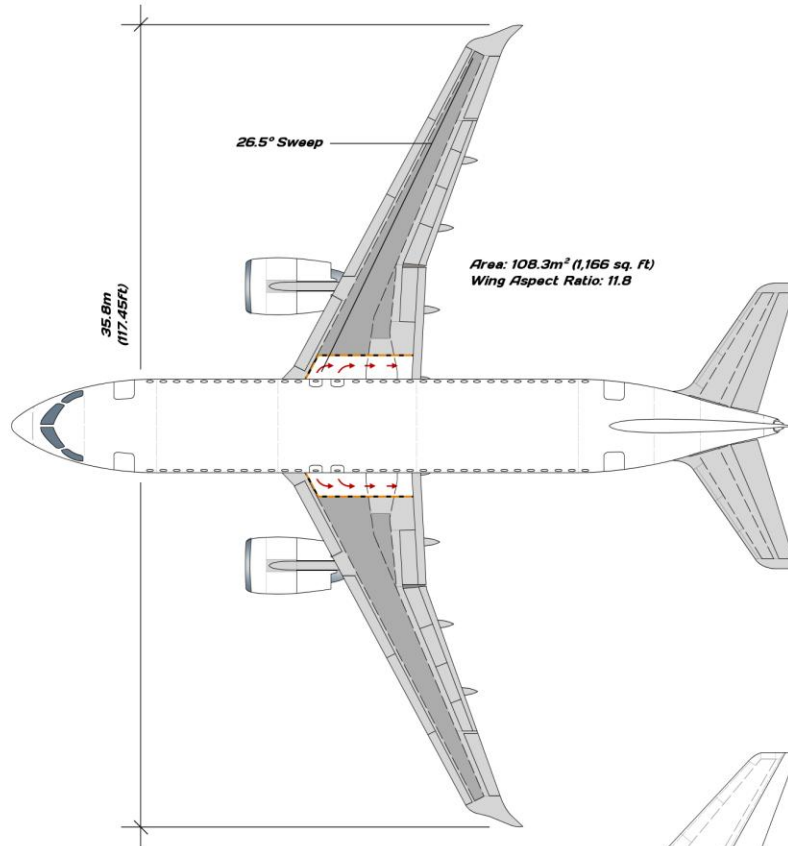
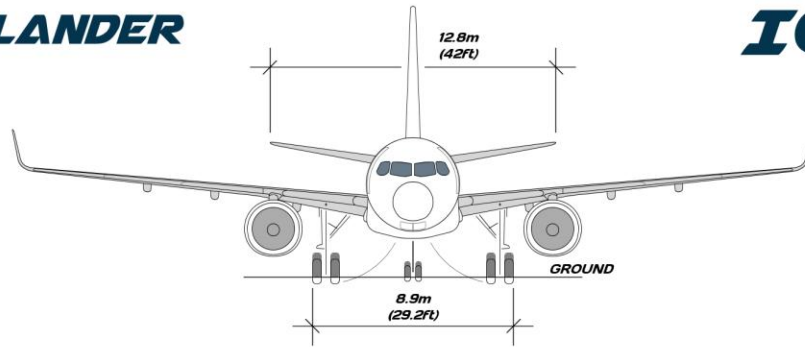
ENGINES

Harriett 140-C
Thrust 122kN / 27,430 lbf

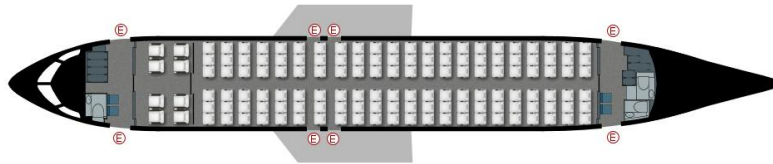
Pratt & Whitney PW 1127G
Thrust 120kN / 27,000 lbf



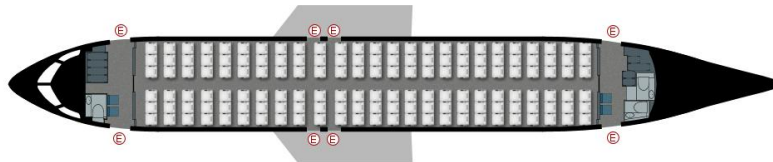
I610



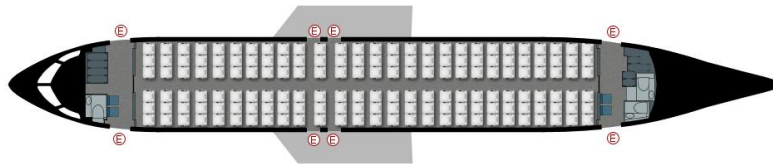
GENERAL DIMENSIONS



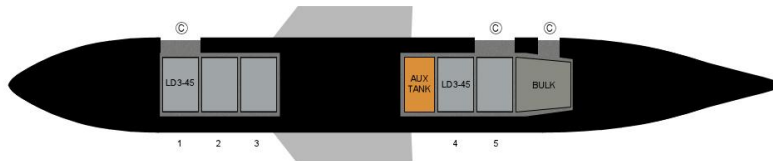
2-CLASS BC + 132Y



1-CLASS 150Y



DENSE 162Y



CARGO 5X LD3-45

CONTAINER MODE: 18.5M³ (650 CU FT) + 5.9M³ (210 CU FT) BULK
BULK MODE: 28.5M³ (1,010 CU FT)

TYPICAL CONFIGURATIONS