

# SARAS



## Features

- Multi-Role light Transport Aircraft with air taxi and services as its primary roles
- Ideal for Executive Transport, light Package Carrier, Remote Sensing, Aerial Search / Survey, Coast Guard, Border Patrol, Air Ambulance, Other Community Services

## Status

- Two prototype aircraft have logged 140 hours of flying
- Weight optimized production standard aircraft under manufacture
- Certification expected by mid 2014 under FAR 23
- HAL to be the production partner
- IAF is the launch customer

## Main dimensions

Overall length	15.02 m (49 3 ft)
Overall height	5.20 m (17 06 ft)
Wing span	14.70 m (48 2 ft)

## Weight

Max take-off weight	7100 kg (15653 lb)
Max fuel weight	1431 kg (3155 lb)
Max pay load	1218 kg (2684 lb)

## Power plant

SARAS is powered by two Pratt and Whitney Canada PT6A-67A turbo-prop engines (flat rated at 1200shp) driving 2.65 m diameter 5 bladed constant speed propellers at 1700 rpm in a pusher configuration.

## Avionics system

SARAS has a state of the art Arinc-429 compatible integrated digital avionics system

## Performance (ISA)

Take-off distance	670 m (2200 ft)
Landing distance	900 m (2950 ft)
Max rate of climb	610 m/min(2000 ft/min)
Max range (14 pax)	590 km (45 min reserves)
Max range (8 pax)	1275 km (45 min reserves)
Ferry range	1627 km (45 min reserves)
Max cruise speed	520 km/hr (280 kts)
Endurance	4 hr 45 min

## Special features

- Low cabin noise (<80 db)
- Operable from semi - prepared runways
- Operable from hot and high altitude airfields
- Designed to meet FAR-23/25 requirements