

# Ae270

P R O P J E T



IBIS  AEROSPACE Ltd.

## Ae270 SPECIFICATIONS

### DIMENSIONS:

External	feet	meters
Wing span	45.35	13.82
Length	40.12	12.23
Height	15.69	4.78
Cargo/passenger door	4.10 x 4.27	1.25 x 1.30
Pilot door	2.3 x 4.0	0.7 x 1.2
Retractable landing gear		
Wheel track	9.28	2.83
Wheel base	11.58	3.53

Internal	feet	meters
Cabin length	18.04	5.50
Cabin width	4.76	1.45
Cabin height	4.46	1.36
Pressurized cabin volume	264 cu. ft.	7.5 m <sup>3</sup>
Baggage volume	25.8 cu. ft.	0.73 m <sup>3</sup>
Wing area	226 sq. ft.	21 m <sup>2</sup>
Aspect ratio	9.11	9.11

### ENGINE:

Pratt & Whitney Canada Engine	PT6A-66A
Rated takeoff power	850 SHP
Thermodynamic power	1583 ESHP

### WEIGHTS:

	pounds	kilograms
Empty weight <sup>(1)</sup>	5653	2564
Maximum takeoff weight (MTOW)	8818	4000
Maximum landing weight (MLW)	8377	3800
Maximum zero fuel weight (MZFW)	8157	3700
Maximum fuel	304 US gal.	1150 liters
Maximum wing loading	39.0 PSF	190 kg/m <sup>2</sup>
Maximum power loading	10.4 lb/SHP	4.7 kg/SHP

### PERFORMANCE:<sup>(2)</sup>

	KTAS	km/h TAS
Maximum cruise speed @ sea level	218	404
Maximum cruise speed @ 25,000 ft.	270	500

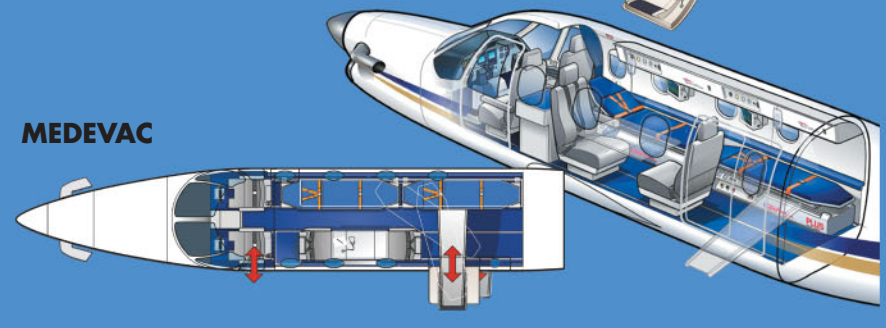
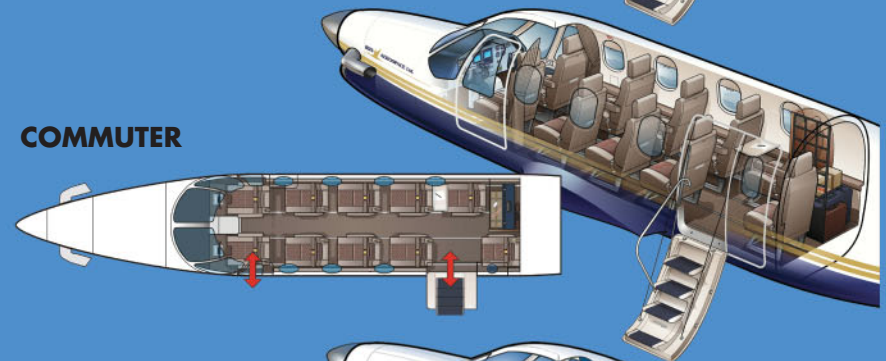
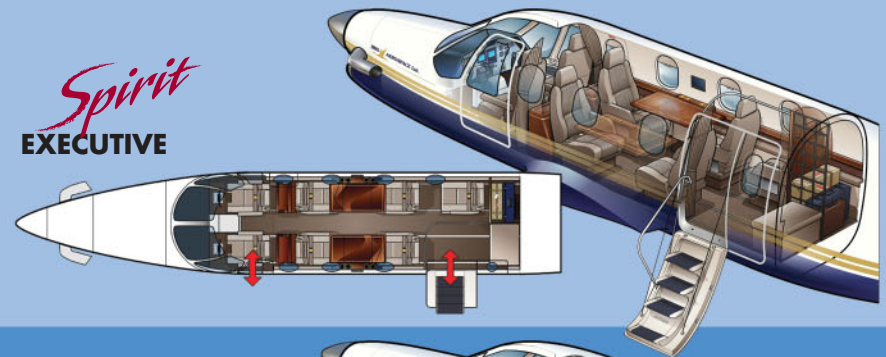
	KEAS	km/h EAS
Stall speed – flaps down (36°)	66.6	123
Stall speed – flaps up (0°)	87.7	162
Rate of climb @ sea level	1581 FPM	8,0 m/s

	feet	meters
Certified maximum operating ceiling	30,000	9144
Takeoff ground run	1011	308
Takeoff distance to 50 ft.	2038	621
Landing ground roll @ MLW <sup>(3)</sup>	873	266
Landing distance from 50 ft. @ MLW <sup>(3)</sup>	1988	606
Maximum range with 30-minute VFR fuel reserve	1544 nm @ 30,000 ft.	2859 km @ 9144 m
Maximum range with NBAA IFR fuel reserve	1338 nm @ 30,000 ft.	2478 km @ 9144 m

(1) Commuter configuration without optional items.  
 (2) Valid for MTOW unless stated otherwise.  
 (3) No reverse thrust during ground roll.

Preliminary specifications are based on engineering data and subject to validation during certification. Ibis Aerospace reserves the right to make changes.

## CABIN CONFIGURATIONS



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