

European Aviation Safety Agency

EASA TYPE-CERTIFICATE DATA SHEET

EASA.A.374

ATL series

Type Certificate Holder:

C.E.A.P.R. 1 route de Troyes 21121 DAROIS FRANCE

Manufacturer: Avions Pierre Robin

ROBIN S.A. DAROIS 21121 FONTAINE LES DIJON FRANCE

For variants:

ATL ATL "S" ATL "L"

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SECTION A: ATL

<u>A.I.</u>	General	
1.	a) Type: b) Variant:	ATL Not applicable
2.	Airworthiness Category:	Normal Category
3.	Type Certificate Holder:	C.E.A.P.R. 1 route de Troyes 21121 DAROIS FRANCE
4.	Manufacturer:	Avions Pierre Robin ROBIN S.A. DAROIS 21121 Fontaine les Dijon
5.	(reserved)	
6.	DGAC Type Certification Date:	15 January 1986
7.	EASA Type Certification Date:	Transferred by Commission Regulation (EC) No. 1702/2003
8.	The EASA Type Certificates replaces	s DGAC-France Type Certificate no 178

A.II. Certification Basis

1.	Reference Date for determining the applicable requirements:	December 20, 1984
2.	(Reserved)	
3.	(Reserved)	
4.	Certification Basis:	FAR 23
5.	Airworthiness Requirements:	FAR 23 as amended by amendment 23-1 through 1-28 dated 28 April 1982.
6.	Requirements elected to comply:	None
7.	EASA Special Conditions:	DGAC France CTC23 issue 1 dated 20/12/84.
8.	EASA Exemptions:	None
9.	EASA Equivalent Safety Findings:	None
10.	EASA Environmental Standards:	ICAO Annex 16, Vol.1. Chap 6.
	Technical Characteristics and On	arational Limitationa

A.III. Technical Characteristics and Operational Limitations

(Reserved)
 Description:

Single-engine,	two-seat,	low-wing	airplane,	wood	and
composite cons	struction, fi	xed tricycle	e landing g	gear.	

3. Equipment: The basic required equipment as prescribed in the applicable airworthiness regulations (see Certification Basis) must be installed in the aircraft for certification.

Stall warning system "Safe Flight" n°164 or APR 798800 or other approved must be installed

4. Dimensions:

Span	10.25 m	(33.6 ft)
Height	2.00 m	(6.2 ft)
Length		(22.0 ft)
Wing Area	12.00 m²	(129.2 ft ²)

JPX-4T60/A or JPX-4T60/B

5. Engines:

5.1 Engine Limits:

Maximum Continuous Power: 3080 rpm (44.2 kW, 60 HP)

6. Propellers:

Manufacturer	Model	Ø	Number of blades	Minimum static RPM at sea level
EVRA	EVRA-160-81-11 EVRA-160-81-11-I EVRA-160-81-11-I- B	1.60 m	2	2600 rpm
MUHLBAUER	MT150L-85-1A	1.50 m	2	2800 rpm

7. Fluids:

•••			
	7.1 Fuel:	100LL minimum aviation grade gasoline or automoble leaded fuel Super grade	oile
	7.2 Engine Oil:	20W50	
8.	Fluid capacities:		
	8.1 Fuel:	Two structural wing tanks Total capacity:45 lite Unusable:1 li	
	8.2 Oil:	Total capacity2.5 lite Usable:1 li	
9.	Air speeds:	V _{NE}	4S) 4S) 4S) 4S)
10.	Maximum Operating Altitude:	Refer to approved aircraft flight manual.	
11.	Operational Capability:	Day VFR in non-icing conditions.	
12.	Maximum Mass:	Take-off and landing580	kg
13.	Centre of Gravity Range:	Normal category Forward limit (21.5 % ref.): 0.269 m aft of datum at 4 kg Intermediate limit (22 % ref.): 0.275 m aft of datum at 5 kg Aft limit (24 % ref.): 0.300 m aft of datum at 5 kg	580



14. Datum:

15. Design Limit Load Factors:

1 (pilot) at 0,26m aft of datum

Fuselage rear upper part (dorsal fin) with 1° setting.

Length of the reference chord: 1.25 m

17. Minimum Flight Crew:

16. Levelling Means:

18. Maximum Passenger Seating Capacity: 1 at 0,26m aft of datum

19. Baggage / Cargo Compartment	Maximum baggag datum	ge compartment 10 kg at + 0.65 m aft of
20. Wheels and Tires	Main gear track	
	Wheel tire size	rear:330 x 130 front:270 x 100
	Tire pressure	rear:2.2 bar front:1.6 bar
21. Control surface movements:	Elevator:	up 15° ± 2°. down 15° ± 2°
	Ailerons:	up 20° ± 2° down 15° ± 2°
	Rudder:	L & R 17° ± 2°
	Wing Flaps:	1 st notch0° ±2° 2 nd notch35° ±2°

22. (Reserved)

A.IV. Operating and Service Instructions

Airplane Flight Manual......Refer to latest amendment of service letter n°6 Airplane Maintenance Manual Refer to latest amendment of service letter n°6

A.V. Note:

SECTION B: ATL "S"

<u>B.I</u>		<u>General</u>	
	1.	a) Type:	ATL "S"
	_	b) Variant:	Not applicable
		Airworthiness Category:	Normal Category
	3.	Type Certificate Holder:	C.E.A.P.R. 1 route de Troyes 21121 DAROIS FRANCE
	4.	Manufacturer:	Avions Pierre Robin ROBIN S.A. DAROIS 21121 Fontaine les Dijon
	5. ((reserved)	
	6. [DGAC Type Certification Date:	17 December 1986
	7. 1	EASA Type Certification Date:	Transferred by Commission Regulation (EC) No. 1702/2003
	8	The EASA type Certificates replaces	DGAC-France Type Certificate no 178
<u>B.I</u>		Certification Basis	
	1.	Reference Date for determining the applicable requirements:	December 20, 1984
	2.	(Reserved)	
	3.	(Reserved)	
	4.	Certification Basis:	FAR 23.
	5.	Airworthiness Requirements:	FAR 23 as amended by amendment 23-1 through 1-28 dated 28 April 1982
	6.	Requirements elected to comply:	None
	7.	EASA Special Conditions:	DGAC France CTC23 issue 1 dated 20/12/84
	8.	EASA Exemptions:	None
	9.	EASA Equivalent Safety Findings:	None
	10.	EASA Environmental Standards:	ICAO Annex 16, Vol.1. Chap 6.
<u>B.I</u>	II.	Technical Characteristics and Op	erational Limitations
	1.	(Reserved)	
	2.	Description:	Single-engine, two-seat, low-wing airplane, wood and composite construction, fixed tricycle landing gear.
	3.	Equipment:	The basic required equipment as prescribed in the applicable airworthiness regulations (see Certification Basis) must be installed in the aircraft for certification

Stall warning system "Safe Flight" n°164 or APR 798800 or other approved must be installed

Basis) must be installed in the aircraft for certification.

- - 5. Engines:
 - 5.1 Engine Limits:

JPX-4T60/A or JPX-4T60/B

Maximum Continuous Power:

With EVRA propeller 2900 rpm (41.6 kW, 57 HP) With MUHLBAUER propeller 3080 rpm (44.2 kW, 60 HP)

 $V_{NE} \ \text{Never Exceed} \dots 200 \ \text{km/h} \ (108 \ \text{knots IAS}) \\ V_{NO} \ \text{Maximum Normal Operation} \ 155 \ \text{km/h} \ (84 \ \text{knots IAS}) \\ V_A \ \text{Maneuvering} \dots 155 \ \text{km/h} \ (84 \ \text{knots IAS}) \\ V_{FE} \ \text{Maximum Flap Extended} \dots 153 \ \text{km/h} \ (83 \ \text{knots IAS})$

6. Propellers:

Manufacturer	Model	Ø	Number of blades	Minimum static RPM at sea level
EVRA	EVRA-160-81-11 EVRA-160-81-11-I EVRA-160-81-11-I- B	1.60 m	2	2600 rpm
MUHLBAUER	MT150L-85-1A	1.50 m	2	2800 rpm

7. Fluids:

7.′	I Fue	:

7.2 Engine Oil:

8. Fluid capacities:

100LL minimum aviation grade gasoline or automobile leaded fuel Super grade 20W50 Two structural wing tanks

8.1	Fuel:

8.2 Oil:

9. Air speeds:

<u>Normal category</u> Forward limit (21.5 % ref.): 0.269 m aft of datum at 470 kg Intermediate limit (22 % ref.): 0.275 m aft of datum at 580 kg Aft limit (24 % ref.): 0.300 m aft of datum at 580 kg



14. Datum:

15. Design Limit Load Factors :

Length of the reference chord: 1.25 m

Fuselage upper part (dorsal fin) with 1° setting.

16. Levelling Means:

17. Minimum Flight Crew:

1 (pilot)

18. Maximum Passenger Seating Capacity: 1 at 0,26m aft of datum

19. Baggage / Cargo Compartment	Maximum baggage compartment 10 kg at +0.65 m aft of datum	
20. Wheels and Tires	Main gear track	
	Wheel tire size	rear:
	Tire pressure	rear: 2.2 bar front: 1.6 bar
21. Control surface movements:	Elevator:	up 15° ± 2°. down 15° ± 2°
	Ailerons:	up 20° ± 2°. down 15° ± 2°
	Rudder:	L & R 17° ± 2°
	Wing Flaps:	1 st notch0° ±2° 2 nd notch35° ±2°

22. (Reserved)

B.IV. Operating and Service Instructions

Airplane Flight Manual......Refer to latest amendment of service letter n°6 Airplane Maintenance Manual Refer to latest amendment of service letter n°6

B.V. Note:

1. This model is identical to the ATL except the maximum continuous power of the engine.

SECTION C: ATL "L"

<u>C.I. General</u>			
1. a) Type: b) Variant:	ATL "L" Not applicable		
2. Airworthiness Category:	Normal Category		
3. Type Certificate Holder:	C.E.A.P.R. 1 route de Troyes 21121 DAROIS FRANCE		
4. Manufacturer:	Avions Pierre Robin ROBIN S.A. DAROIS 21121 Fontaine les Dijon		
5. (reserved)			
6. DGAC Type Certification Date:	9 June 1989		
7. EASA Type Certification Date:	Transferred by Commission Regulation (EC) No. 1702/2003		
8. The EASA type Certificates replaces	DGAC-France Type Certificate no 178		
C.II. Certification Basis			
 Reference Date for determining the applicable requirements: 	December 20, 1984		
2. (Reserved)			
3. (Reserved)			
4. Certification Basis:	FAR 23.		
5. Airworthiness Requirements:	FAR 23 as amended by amendment 23-1 through 1-28 dated 28 April 1982		
6. Requirements elected to comply:	None		
7. EASA Special Conditions:	DGAC France CTC23 issue 1 dated 20/12/84		
8. EASA Exemptions:	None		
9. EASA Equivalent Safety Findings:	None		
10. EASA Environmental Standards:	ICAO Annex 16, Vol.1. Chap 6.		
C.III. Technical Characteristics and Op	perational Limitations		
1. (Reserved)			
2. Description:	Single-engine, two-seat, low-wing airplane, wood and composite construction, fixed tricycle landing gear.		
3. Equipment:	The basic required equipment as prescribed in the applicable airworthiness regulations (see Certification Basis) must be installed in the aircraft for certification.		
	Stall warning system "Safe Flight" n°164 or APR 798800 or other approved must be installed		
4. Dimensions:	Span 10.25 m (33.6 ft) Height 2.00 m (6.2 ft) Length 6.83 m (22.4 ft) Wing Area 12.00 m² (129.2 ft²)		

5. Engines:

5.1 Engine Limits:

Limbach L2000 DA2 Maximum Continuous Power:... 3000 rpm (51 kW, 70 HP)

6. Propellers:

lanufacturer	Model	Ø	Number of blades	Minimum static RPM at sea level		
1T Propeller	155L80-1- A	1.55 m	2	2750 rpm		
	100LL minimum aviation grade gasoline or automobile leaded fuel Super grade					
	Refer to Airplane Flight Manual.					
	Total capa Unusable:	Two structural wing tanks Total capacity:45 liters Unusable:1 liter				
	Total capacity:					
	Refer to Ai	Refer to Airplane Flight Manual				
	V _{NO} V _A V _{FE} V _C		15 15 15 15	5 km/h (84 knots IAS) 5 km/h (84 knots IAS) 3 km/h (83 knots IAS) 5 km/h (84 knots IAS)		
Altitude:	Refer to approved aircraft flight manual.					
:y:	Day VFR in non-icing conditions.					
	Take-off a	Take-off and landing580 kg				
nge:	<u>Normal category</u> Forward limit (20.5 % ref.): 0.256 m aft of datum at 530 kg Intermediate limit (21 % ref.): 0.263 m aft of datum at 580					
		4 % ref.):	0.300 m	n aft of datum at 580 kg		
	ATL L Weight and balance envelope					
	(kg)	80	Ca 21	at. N 24 of reference chord		
	IT Propeller Altitude:	IT Propeller 155L80-1- A 100LL mir leaded fue Refer to Ai Two struct Total capa Unusable: Optional tw Total capa Unusable: Refer to Ai V _{NE} V _{NO} V _{NO} V _A V _C V _C V _D Altitude: Refer to ap V _C V _D Normal cat Forward lir kg Intermedia kg Aft limit (24	IT Propeller155L80-1- A1.55 m100LLminimum aviat leaded fuel Super gradRefer to Airplane FlighTwo structural wing tar Total capacity: Unusable: Unusable: Unusable: Unusable: NoOptional two structural Total capacity: Unusable: Unusable: Unusable: No VARefer to Airplane Fligh VNE VC VDVNE VA VFE VC Unusable: Unusable: Unusable: Unusable: Unusable: No No VA VFE No DAltitude:Refer to approved airc VC VD Unusable: VC VDAltitude:Refer to approved airc VC VD Unusable: VC VDAltitude:Refer to approved airc VC VD VA VFE in non-icing of Take-off and landing hormal category Forward limit (20.5 % r kg Aft limit (24 % ref.):Meight and S 	IT Propeller155L80-1- A1.55 m2100LL minimum aviation grade gleaded fuel Super gradeRefer to Airplane Flight Manual.Two structural wing tanks Total capacity: Unusable:Optional two structural wing tanks Total capacity: Unusable:Optional two structural wing tanks Total capacity: Unusable:Optional two structural wing tanks Total capacity: Unusable:Refer to Airplane Flight Manual VNEVREV20VN0V50V60V70V71V71V71V72V73V74V74V75V75V76V77V78V78V79V78V79V77V78V78V79V79V77V77V78V78V79V79V79V77V78V78V79V79V79V79V79V70V70V70V71V71V72V72V73V74V74V75V75V75V76V77V77V77V77V77V77V77V77V77V77V77V77V77<		

Wing leading edge at the wing/fuselage junction panel.

Length of the reference chord: 1.25 m

15. Design Limit Load Factors:				
	Flaps up + 3.8	-		
	- 1.	52		
	Flaps down + 2 -0			
16. Levelling Means:	Fuselage upper p	part (dorsal fin) with 1° setting.		
17. Minimum Flight Crew:	1 (pilot) at 0,26m	aft of datum.		
18. Maximum Passenger Seating Capacity: 1 at 0,26m aft of datum.				
19. Baggage / Cargo Compartment	Maximum baggag datum	ge compartment 10 kg at +0.65 m aft of		
20. Wheels and Tires	Main gear track Wheel tire size			
	Tire pressure	rear:		
21. Control surface movements:	Elevator:	up 15° ± 2°. down 15° ± 2°		
	Ailerons:	up 20° ± 2°. down 15° ± 2°		
	Rudder:	L & R 17° ± 2°		
	Wing Flaps:	1 st notch0° ±2° 2 nd notch35° ±2°		

22. (Reserved)

C.IV. Operating and Service Instructions

Airplane Flight Manual......Refer to latest amendment of service letter $n^\circ 6$ Airplane Maintenance Manual Refer to latest amendment of service letter $n^\circ 6$

C.V.. Note:

1. This model is identical to the ATL except the LIMBACH L2000 DA2 engine.

ADMINISTRATIVE SECTION

- I. Acronyms
- II. Type Certificate Holder Record

ROBIN S.A. Société Avions Robin ROBIN Aviation APEX Aircraft

III. Change Record

Issue 1	10 May 2013	Initial issue on transfer of this Type Certificate to CEAPR	