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

A.I. 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 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.

A.III. Technical Characteristics and Operational 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 ..... 6.72 m (22.0 ft)
Wing Area ..... 12.00 m² (129.2 ft²)

5. Engines: JPX-4T60/A or JPX-4T60/B

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

6. Propellers:

Manufacturer	Model	∅	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 automobile leaded fuel Super grade

7.2 Engine Oil: 20W50

8. Fluid capacities:

8.1 Fuel: Two structural wing tanks
Total capacity: ..... 45 liters
Unusable: ..... 1 liter

8.2 Oil: Total capacity ..... 2.5 liters
Usable: ..... 1 liter

9. Air speeds:

V_{NE} ..... 200 km/h (108 knots IAS)
V_{NO} ..... 155 km/h (84 knots IAS)
V_A ..... 155 km/h (84 knots IAS)
V_{FE} ..... 153 km/h (83 knots IAS)
V_C ..... 155 km/h (84 knots IAS)
V_D ..... 217 km/h (117 knots IAS)

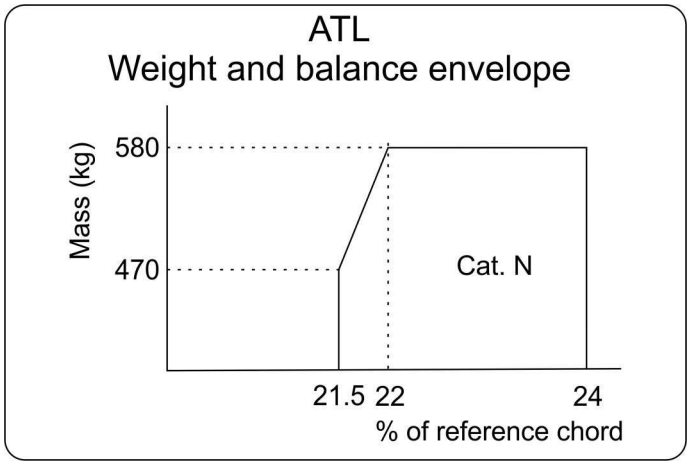
10. Maximum Operating Altitude: Refer to approved aircraft flight manual.

11. Operational Capability: Day VFR in non-icing conditions.

12. Maximum Mass: Take-off and landing ..... 580 kg

13. Centre of Gravity Range:

<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: 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 rear upper 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 baggage compartment 10 kg at + 0.65 m aft of datum

20. Wheels and Tires

Main gear track ..... 3.2 m (10.5 ft)

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: 1st notch .....0° ±2°
2nd notch.....35° ±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"

B.I. General

1.	a) Type:	ATL "S"
	b) Variant:	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:	17 December 1986
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	

B.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.

B.III. Technical Characteristics and Operational 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 ..... 6.72 m (22.0 ft)
Wing Area ..... 12.00 m² (129.2 ft²)

5. Engines: JPX-4T60/A or JPX-4T60/B

5.1 Engine Limits: Maximum Continuous Power:
With EVRA propeller ..... 2900 rpm (41.6 kW, 57 HP)
With MUHLBAUER propeller 3080 rpm (44.2 kW, 60 HP)

6. Propellers:

Manufacturer	Model	∅	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 automobile leaded fuel Super grade

7.2 Engine Oil: 20W50

8. Fluid capacities:

8.1 Fuel: Two structural wing tanks
Total capacity: ..... 45 liters
Unusable: ..... 1 liter

8.2 Oil: Total capacity ..... 2.5 liters
Usable: ..... 1 liter

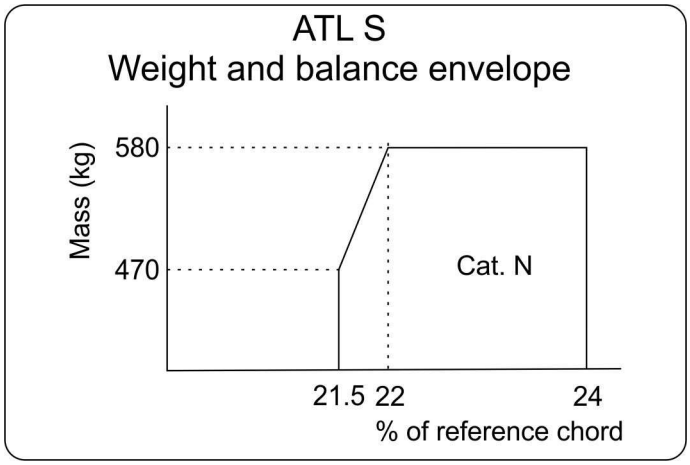
9. Air speeds:
V_{NE} Never Exceed ..... 200 km/h (108 knots IAS)
V_{NO} Maximum Normal Operation 155 km/h (84 knots IAS)
V_A Maneuvering ..... 155 km/h (84 knots IAS)
V_{FE} Maximum Flap Extended ... 153 km/h (83 knots IAS)
V_C Design cruising ..... 155 km/h (84 knots IAS)
V_D Design dive ..... 217 km/h (117 knots IAS)

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 landing ..... 580 kg

13. Centre of Gravity Range:
Normal category
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: 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 part (dorsal fin) with 1° setting.

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 ..... 3.2 m (10.5 ft)

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: 1st notch .....0° ±2°
2nd notch.....35° ±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"

C.I. General

1. a) Type:	ATL "L"
b) Variant:	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

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.

C.III. Technical Characteristics and Operational 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: Limbach L2000 DA2

5.1 Engine Limits: Maximum Continuous Power:... 3000 rpm (51 kW, 70 HP)

6. Propellers:

Manufacturer	Model	∅	Number of blades	Minimum static RPM at sea level
MT Propeller	155L80-1-A	1.55 m	2	2750 rpm

7. Fluids:

7.1 Fuel: 100LL minimum aviation grade gasoline or automobile leaded fuel Super grade

7.2 Engine Oil: Refer to Airplane Flight Manual.

8. Fluid capacities:

8.1 Fuel: Two structural wing tanks
Total capacity:.....45 liters
Unusable:.....1 liter

Optional two structural wing tanks
Total capacity:.....70 liters
Unusable:.....2 liters

8.2 Oil: Refer to Airplane Flight Manual

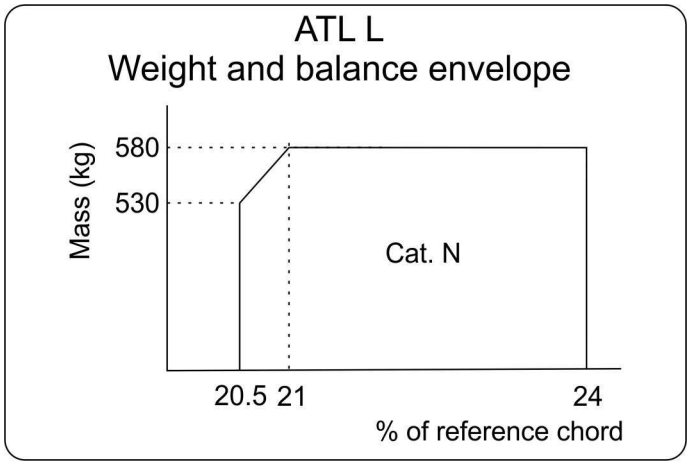
9. Air speeds:
V_{NE} .....200 km/h (108 knots IAS)
V_{NO} .....155 km/h (84 knots IAS)
V_A .....155 km/h (84 knots IAS)
V_{FE} .....153 km/h (83 knots IAS)
V_C .....155 km/h (84 knots IAS)
V_D .....217 km/h (117 knots IAS)

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 landing.....580 kg

13. Centre of Gravity Range:
Normal category
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 kg
Aft limit (24 % ref.): 0.300 m aft of datum at 580 kg



14. Datum: 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 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 baggage compartment 10 kg at +0.65 m aft of datum

20. Wheels and Tires

Main gear track		3.2 m (10.5 ft)
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:	1st notch	0° ±2°
	2nd notch	35° ±2°

22. (Reserved)

C.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

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	