CIVIL AVIATION AUTHORITY
OF THE CZECH REPUBLIC

6 208/60
Revision 4
Aircraft Industries, a.s
L 200 A
05.09.2005

TYPE CERTIFICATE DATA SHEET No. 6 208/60

This data sheet which is a part of Type Certificate No. 6 208/60 prescribes conditions and limitations under which the product for which the type certificate was issued meets the airworthiness requirements of the Czech Republic.

Model	Application Date	Certification Date
L 200 A	-	27.07.1960

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Model L 200 A

I. General

1.	Data Sheet No.:	6 208/60
2.	Model:	L 200 A
3.	Airworthiness category:	Normal
4.	Type Certificate Holder:	Aircraft Industries, a.s. Kunovice 1177 686 04 Kunovice Czech Republic
5.	Manufacturer:	Strojírny první pětiletky, n.p. Kunovice
6.	Application Date:	-
7.	Certificate Date:	27.07.1960

II. Certification Basis

1.	Certification Basis:	– British Civil Airworthiness Requirements (BCAR) normal category, Section D, C (Amendment No. 6 289/62) – Civil Air Regulations (CAR) Part 3, normal category, – Bauvorschriften fűr Flugzeuge (BVF) usage group P – transport, loading class 3 – normal
2.	Special Conditions:	None
3.	Exemptions:	None
4.	Equivalent Safety Findings:	None
5.	Environmental Standards:	None

III. Technical Characteristics and Operational Limitations

1. Type Design Definition: Specification Sheet " L 200 A Aircraft
Drawing No. L200.0000"

2. Description: Two-engines, five-seater, self-supporting, low-wing aircraft of all-metal design.

3. Equipment:

Flight and navigation instruments:	
Airspeed indicator up to 400 km/hr	LUN 1101
Altimeter up to 10 km	LUN 1121
Variometer	LUN 1145
Turn and bank indicator	LUN 1211
Combined artificial horizon	LUN 1202
Compass	LUN 1222
Radio station	LUN 3521
Direction gyro	LUN 1272
Engine instruments:	
Dual RPM indicator	LUN 1315
Dual indicator of filling pressure	2 MV 18M
Quadruplicate indicator of engine parameters	LUN 1523
Dual indicator of cylinder heads temperature	LUN 1394
Other instruments:	
Landing gear position indicator	LUN 1694
Flaps position indicator	LUN 1685
Fuel quantity in main tank indicator	LUN 1618
Indicator of remaining fuel in tanks	LUN 1645
Pressure gauge of hydraulic brakes	MG 60
Triplicate indicator of heating temperature	LUN 1355
Volt-ammeter	LUN 2741
Clock	AVRM

4. Dimensions:

Span:	12,300 m
Length:	8,600 m
Height:	2,215 m
Wing Area:	17,28 m^2

5. Engine:

5.1.1. Model: M 337

5.1.2. Type Certificate: 94-06, CAA CZ issued

5.1.3. Limitations:

Maximum take-off power	
performance	210 HP
rounds	2750 RPM
Maximum continuous (nominal) power	
performance	165 HP
rounds	2600 RPM

Maximum cruising power performance	132,5 HP
rounds	2400 RPM

6. Propeller:

6.1.1. Model:	V 410 AT
6.1.2. Type Certificate:	9 339/60, CAA CZ issued
6.1.3. Number of blades:	2
6.1.4. Diameter:	1800 - 1950 mm
6.1.5. Sense of Rotation:	Rotating anti-clock-wise in the view of the flight direction
	or
6.2.1. Model:	V 410 T
6.2.2. Type Certificate:	9 339/60, CAA CZ issued
6.2.3. Number of blades:	2
6.2.4. Diameter:	1800 - 1950 mm
6.2.5. Sense of Rotation:	Rotating anti-clock-wise in the view of the flight direction

7. Fuel: ESSO ICP 80
SHELL Avgas 80
SHELL Avgas 100 LL
BP 100 L
BL 78 according to ČSN 65 6510

8. Oil: AEROSHELL Oil W 100
AEROSHELL Oil W 120
ELF Aviation AD 100
MOBIL Aero D 100
BP Aero Oil 100
CAAASTROL Aero AD 100
TOTAL Aero D 100

9. Air Speeds:	Never exceeding speed v_{NE}			360 km/hr IAS
	Maximum normal maneuvering speed v_{NO}			280 km/hr IAS
	Design maneuvering speed v_A			228,2 km/hr IAS
	Maximum flaps extended speed v_F			170 km/hr IAS
10. Load factors:	Maximum positive operation load factor			3,5
11. Maximum Operating Altitude:	5700 m			
12. Weights:	Empty weight			1275 kg
	Maximum take-off weight			1950 kg
13. Center of Gravity Range:	15,3 – 29 % MAC			
14. Datum:	Passes by the fuselage forward leveling items perpendicularly to the aircraft longitudinal axes.			
15. Mean Aerodynamic Cord (MAC):	1497 mm			
16. Leveling Means:	Leveling level is identical with the datum - see leveling diagram shown in the L 200 A Aircraft Maintenance Manual.			
17. Minimum Flight Crew:	1			
18. Number of seats:	5 including the pilot seat			
19. Baggage/Cargo Compartments:	maximum 50 kg			
20. Control surface deflections:	Ailerons		up	25°±1,5°
			down	16°±1,5°
	Elevator		up	30°±2°
			down	16°±2°
	Rudder			24°±2°
	Flaps	retracted position		0°
		take-off position		20°
		landing position		30° ± 2°
21. Wheels and Tyres:	Main landing gear wheel K 525.1 with tyre BARUM 500 x 180 mm			
	Nose landing gear wheel HP 4808 with tyre BARUM 420 x 150 mm			
22. Other Limitations:	The aircraft is approved for Day and Night VFR and IFR flights.			

IV. Operating and Service Instructions

1. Technický popis letounu L 200 A, Do-L200A-1020.0
2. Technická příručka letounů L 200 A, L-200-D, Do-L200AD-1021.0
3. Směrnice pro pilota a mechanika letounu L 200A, Do-L200A-1010.0
4. Popis, obsluha a udržování letadlového motoru M 337
5. Stavitelná vrtule V 410 A, popis činnosti a ošetření

V. Notes

1. EASA TC No. EASA.A.043 has been issued for model L 200 A aircraft on August 12, 2005.