European Aviation Safety Agency

EASA
TYPE-CERTIFICATE
DATA SHEET

L 200

Type Certificate Holder:

Aircraft Industries, a.s
Na Záhonech 1177
686 04 Kunovice
CZECH REPUBLIC

Manufacturer:

Aircraft Industries, a.s
Na Záhonech 1177
686 04 Kunovice
CZECH REPUBLIC

Strojírny první pětiletky n.p.
686 04 Kunovice
CZECH REPUBLIC

For variants: L – 200 A
L – 200 D

Issue 01: 12 August 2005
Issue 02: 09 September 2005
Issue 03: 20 October 2005
Issue 04: 24 May 2006

List of effective Pages:

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SECTION A1: GENERAL, L-200 A Type Design

AI. General

Data Sheet No.: EASA.A.043		Issue: 04 Date: 24 May 2006
1.	a) Type: b) Variant:	L 200 L 200 A
2.	Airworthiness Category:	Normal
3.	Type Certificate Holder::	Aircraft Industries, a.s Na Záhonech 1177 686 04 Kunovice Czech Republic
4.	Manufacturer:	Strojírny první pětiletky n.p. 686 04 Kunovice Czech Republic
5.	Certification Application Date:	---
6.	CAA CZ Type Certification Date::	July 27,1960
7.	EASA Type Certification Date	August 12, 2005 (see Note 1)
8.	The EASA Type Certificate replaces	Czech Type Certificate No.: 6208/60

AII. Certification Basis

1.	Reference Date for determining the the applicable requirements	---
2.	Certification Basis:	---
3.	Airworthiness Requirements:	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
4.	Requirements elected to comply:	None

5. EASA Special Conditions: None

6. EASA Exemptions: None

7. EASA Equivalent Safety Findings: None

8. EASA Environmental Standards: None

AIII. Technical Characteristics and Operational Limitations

1. Type Design Definition: The specification list of Aircraft 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
Altimeter up to 10 km
Variometer
Turn and bank indicator
Combined artificial horizon
Compass
Radio station
Direction gyro

Engine instruments:
Dual RPM indicator
Dual indicator of filling pressure
Quadruplicate indicator of engine parameters
Dual indicator of cylinder heads temperature

Other instruments:
Landing gear position indicator
Flaps position indicator
Fuel quantity in main tank indicator
Indicator of remaining fuel in tanks
Pressure gauge of hydraulic brakes
Triplicate indicator of heating temperature
Volt-ammeter
Clock

4. Dimensions:

Span	12.30	m
Length	8.60	m
Height	2.215	m
Wing Area	17.28	m^2

5. Engines:

5.1. Model:	M 337,
5.2. Type Certificate:	94-06, issued by CAA CZ
5.3. Limitations:	
Maximum take-off power:	
Max. Power	155 kW (210 HP)
Max. Engine speed	2750 RPM
Maximum continuous (nominal) power:	
Max. Power	121 kW (165 HP)
Max. Engine speed	2 600 RPM
Maximum cruising power:	
Max. Power	83,7 kW (132,5 HP)
Max. Engine speed	2400 RPM

6. (reserved)

7. Propellers:

7.1.1. Model:	V 410AT
7.1.2. Type Certificate:	9 339/60, issued by CAA CZ
7.1.3. Number of blades:	2
7.1.4. Diameter:	1900 mm
7.1.5. Sense of rotation:	Rotating anti-clock-wise in the view of the flight direction
or	
7.2.6. Model:	V 410 T
7.2.7. Type Certificate:	9 339/60, issued by CAA CZ
7.2.8. Number of blades:	2
7.2.9. Diameter:	1900 mm
7.2.10. Sense of rotation:	Rotating anti-clock-wise in the view of the flight direction

8. Fluids:

8.1. Fuel	ESSO ICP 80 SHELL Avgas 80 SHELL Avgas 100LL BP 100 L BL 78 according to ČSN 65 6510
8.2. Oil	AEROSHELL Oil W 100 AEROSHELL Oil W 120 ELF Aviation AD 100 MOBIL Aero D 100 BP Aero Oil 100 CASTROL Aero AD 100 TOTAL Aero D100

7. Fluid capacities

7.1. Fuel:	230 litres (2x115 litres) 420 litres (with auxiliary fuel tanks 2x95 l)
7.2. Oil:	2x12 litres

8. Air Speeds:

Manoeuvring Speed	V_A	228	km/h	IAS
Never Exceed Speed	V_{NE}	360	km/h	IAS
Normal operating speed	V_{NO}	280	km/h	IAS
Maximum flaps extended speed	V_{FE}	170	km/h	IAS

9. Maximum Operating Altitude: 5700 m

10. Operational Capability: VFR and IFR flights.

11. Weights:

Maximum Weight:	1950	kg
Empty Weight:	1275	kg

12. Centre of Gravity Range: 15,3 % – 29 % M.A.C. (M.A.C = 1497mm)

13. Datum: Passes by the fuselage forward leveling items perpendicularly to the aircraft longitudinal axes

14. (reserved)

15. Levelling Means: Leveling level is identical with the datum - see leveling diagram shown in the L 200 A Aircraft Maintenance Manual.

16. Minimum Flight Crew: 1 (Pilot)

17. Maximum Passenger Seating Capacity: 4

18. (reserved):

19. Baggage / Cargo Compartments: max. 50 kg

20. 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

AIV. Operating and Service Instructions

1. Flight Manual:

   - In Czech language: Směrnice pro pilota a mechanika letounu L 200A, Do-L200A-1010.0

2. Maintenance Manual:

   - In Czech language: Technická příručka letounů L 200 A, L-200-D, Do-L200AD-1021.0

   -In Czech language: Technický popis letounu L 200 A, Do-L200A-1020.0

3. Operational manuals for engines and propellers

   -In Czech language: Popis, obsluha a udržování letadlového motoru M 337

   -In Czech language: Stavitelná vrtule V 410 A, popis činnosti a ošetření

AV. Notes

1. Both variants of this aircraft were transferred to EASA on Accession of the Czech Republic ('grandfathered').

SECTION A2 Reserved

SECTION B1: GENERAL, L-200 D Type Design

BI. General

Data Sheet No.: EASA.A.043		Issue: 04 Date: 24 May 2006
1.	a) Type: b) Variant:	L 200 L 200 D
2.	Airworthiness Category:	Normal
3.	Type Certificate Holder::	Aircraft Industries, a.s Na Záhonech 1177 686 04 Kunovice Czech Republic
4.	Manufacturer:	Strojírny první pětiletky n.p. 686 04 Kunovice CZECH REPUBLIC
5.	Certification Application Date:	---
6.	CAA CZ Type Certification Date::	October 12,1962
7.	EASA Type Certification Date	August 12, 2005
8.	The EASA Type Certificate replaces	Czech Type Certificate No.:62001-L200 D

BII. Certification Basis

1.	Reference Date for determining the the applicable requirements	---
2.	Certification Basis:	
3.	Airworthiness Requirements:	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
4.	Requirements elected to comply:	None
5.	EASA Special Conditions:	None
6.	EASA Exemptions:	None

7. EASA Equivalent Safety Findings: None

8. EASA Environmental Standards: None

BIII. Technical Characteristics and Operational Limitations

1. Type Design Definition: The specification list of Aircraft L 200 D 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
Altimeter up to 10 km
Variometer
Turn and bank indicator
Combined artificial horizon
Compass
Radio station
Corse gyro

Engine instruments:
Dual RPM indicator
Dual indicator of filling pressure
Quadruplicate indicator of engine parameters
Dual indicator of cylinder heads temperature

Other instruments:
Landing gear position indicator
Flaps position indicator
Fuel quantity in main tank indicator
Indicator of remaining fuel in tanks
Pressure gauge of hydraulic brakes
Triplicate indicator of heating temperature
Volt-ammeter
Clock

4. Dimensions:

Span	12.325	m
Length	8.665	m
Height	2.215	m
Wing Area	17.280	m²

5. Engines:

5.1. Model:	M 337,
5.2. Type Certificate:	94-06, issued by CAA CZ
5.3. Limitations:	
Maximum take-off power:	
Max. Power	155 kW (210 HP)
Max. Engine speed	2750 RPM
Maximum continuous (nominal) power:	
Max. Power	121 kW (165 HP)
Max. Engine speed	2 600 RPM
Maximum cruising power:	
Max. Power	83,7 kW (132,5 HP)
Max. Engine speed	2400 RPM

6. Propellers:

6.1. Model:	VJ 6.506
6.2. Type Certificate:	6661/61, issued by CAA CZ
6.3. Number of blades:	3
6.4. Diameter:	1 750 mm
6.5. Sense of rotation:	Rotating anti-clock-wise in the view of the flight direction

7. Fluids:

7.1. Fuel	ESSO ICP 80 SHELL Avgas 80 SHELL Avgas 100LL BP 100 L BL 78 according to ČSN 65 6510
7.2. Oil	AEROSHELL Oil W 100 AEROSHELL Oil W 120 ELF Aviation AD 100 MOBIL Aero D 100 BP Aero Oil 100 CASTROL Aero AD 100 TOTAL Aero D100

8. Fluid capacities

8.1. Fuel:	230 litres (2x115 litres) 420 litres (with auxiliary fuel tanks 2x95 l)
8.2. Oil:	2x12 litres

9. Air Speeds:

Manoeuvering Speed	V_A	228	km/h	IAS
Never Exceed Speed	V_{NE}	360	km/h	IAS
Normal operating speed	V_{NO}	280	km/h	IAS
Maximum flaps extended speed	V_{FE}	170	km/h	IAS

10. Maximum Operating Altitude:	5700 m
11. Operational Capability	VFR and IFR flights.
12. Maximum Weights:	
Maximum Weight:	1950 kg
Maximum Weight of non-lifting parts:	1950 kg
13. Centre of Gravity Range:	15,3 % – 29 % M.A.C. (M.A.C.= 1497mm)
14. Datum:	Passes by the fuselage forward leveling items perpendicularly to the aircraft longitudinal axes
15. (reserved)	
16. Levelling 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 (Pilot)
18. Maximum Passenger Seating Capacity:	4
19. (reserved):	
20. Baggage / Cargo Compartments	max. 50 kg
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

BIV. Operating and Service Instructions

1. Flight Manual:

   - In Czech language: Směrnice pro pilota letounu L 200D, Do-L200D-1011.0

   - In English language: Approved Flight Manual for the MORAVA L 200 D Aeroplane, Do-L200D-1011.2

2. Maintenance Manual:

   - In Czech language: Technická příručka letounů L 200 A, L-200-D, Do-L200AD-1021.0

   - In English language: Technical Description L 200 D, Do-L200D-1021.2

   - In Czech language: Technický popis letounu L 200 A, Do-L200A-1020.0

3. Operational manuals for engines and propellers

   -In Czech language: Popis, obsluha a udržování letadlového motoru M 337

   -In Czech language: Technický popis a provozní instrukce vrtulové jednotky VJ 6.506

   -In Czech language: Technický popis a instrukce pro provoz radiostanice LUN 3521

   -In Czech language: Technický popis a instrukce pro obsluhu radiokompasu RKL 301

BV. Notes

None

SECTION B2: Reserved

Change record

Issue 1: Initial issue

Issue 2: Change in address of the TC holder

Issue 3: Change in address of the TC holder

Issue 4: Change in address of the TC holder