TYPE-CERTIFICATE

DATA SHEET

NO. EASA.A.056

for
AIRPLANE

Type Certificate Holder
Polskie Zaklady Lotnicze Sp. Z o.o.

Wojska Polskiego 3
39-300 Mielec
POLAND

For models: PZL M18
PZL M18A
PZL M18AS
PZL M18B
PZL M18BS

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SECTION A: PZL M18

A.I. General

1. Type/ Model/ Variant
   - 1.1 Type: PZL M18
   - 1.2 Model: PZL M18
   - 1.3 Variant: agricultural, fire fighting
2. Airworthiness Category:
   - Normal
   - Restricted (overload)
   - Restricted (fire-fighting overload)
3. Manufacturer: Polskie Zaklady Lotnicze Sp. z o.o.
   Wojska Polskiego 3
   39-300 Mielec
   POLAND

4. EASA Type Certification Application Date:
   - Normal: 8 April 1975
   - Restricted (overload): 5 May 1980
   - Restricted (fire-fighting overload): 14 January 1991

Note: State of Design Authority certification application date for grandfathered products

5. State of Design Authority: Polish CAO
6. State of Design Authority Type Certificate Date
   - Normal: 27 September 1978
   - Restricted (overload): 13 July 1981
   - Restricted (fire-fighting overload): 20 August 1993
7. EASA Type Certification Date: 24 October 2005

A.II. EASA Certification Basis

1. Reference Date for determining the applicable requirements:
   8 April 1975
2. Airworthiness Requirements:
   - Normal: 14 CFR Part 23, including Amdt. 23-16
   - Restricted (overload): Civil Aeronautics Manual 8, Second Edition, on the basis of the Type Certificate in Normal Category under 14 CFR Part 23, including Amdt. 23-16
3. Special Conditions: None
4. Exemptions: None
5. (Reserved) Deviations: None

6. Equivalent Safety Findings: None
7. Environmental Protection: 14 CFR Part 36

A.III. Technical Characteristics and Operational Limitations

1. Type Design Definition: Drawing No. M18, Sheet No. 8
2. Description: All metal, low wing, with non retractable tailwheel lnading gear, single piston agricultural and fire-fighting airplane
3. Equipment: Approved equipment list is stated in document "Airplane Description and Service Manual. PZL M18 "DROMADER" equipped with ASz-62IRm18 engine"
4. Dimensions:
   Span: 17,7 m
   Length: 9,5 m
   Height: 3,7 m (parking)
   Wing area: 40 m^2
5. Engine
   5.1. Model: ASz-62IR-M18
   5.2 Type Certificate: EASA.E.140
   5.3 Limitations:

	HP	RPM	Manifold Pressure (mm Hg)	Altitude
T-O Power (5 minutes), minimum	980	2200	1050	S.L.
Max. Continuous Power, minimum	823	2100	900	1500 m
Max. Continuous Power, minimum	804	2100	900	S.L.

6. Load factors:
   Normal: +3.4 g, -1.4 g
   Restricted (overload): +3.0 g, -1.2 g
   Restricted (fire-fighting overload): +2.8 g, -1.1 g

7. Propeller
   7.1 Model: AW-2-30
   7.2 Type Certificate: PL DB-122
   7.3 Number of blades: 4
   7.4 Diameter: 3.3 m
   7.5 Sense of Rotation: clockwise in flight direction
8. Fluids
   8.1 Fuel: Minimum grade 91 aviation gasoline with tetraethyl load content of max. 3.3 g per 1 kg of fuel, in accordance to:
   - GOST 1012-72
   - D.Eng. RD 2485

- ASTM - D910-75
- MIL-G-5572F
- RH-95/130

8.2 Oil: Mineral oil with or without detergents, min. viscosity 20 cSt at 100°C, min. viscosity index 80

8.3 Coolant: N/A

9. Fluid capacities

9.1 Fuel:
- 414 l (usable fuel 400 l) with outer wings installed in accordance with Dwg. No. D22.000.00.1K L/R
- 726 l (usable fuel 712 l) with outer wings installed in accordance with Dwg. No. D22.000.00.5K L/R

9.2 Oil: 70 l (usable oil 35 l)

9.3 Coolant system capacity: N/A

10. Air Speeds:

Never Exceed Speed Limit V_{NE}

Normal:	280 km/h CAS
Restricted (overload):	230 km/h CAS
Restricted (fire-fighting overload):	230 km/h CAS

Design Manoeuvring Speed Limit V_A 228 km/h CAS

Normal Operating Speed V_{NO}

Normal:	230 km/h CAS
Restricted (overload):	200 km/h CAS
Restricted (fire-fighting overload):	200 km/h CAS

Maximum Flaps Extended Speed Limit V_{FE} 200 km/h CAS

11. Flight Envelope:

Maximum Operating Altitude: 4000 m

Ambient Air Temperature Operating Limits:

(a) +45° C to +15° C without engine cylinder winterization shields

(b) +15° C to -10° C with or without engine cylinder shields, optional

(c) -10° C to -30° C with engine cylinder shields installed

12. Approved Operations Capability:

Day and night operation under VFR conditions.

Flight in icing conditions is prohibited.

13. Maximum Masses:

Maximum Takeoff Weight MTOW

Normal:	4200 kg
Restricted (overload):	4700 kg
Restricted (fire-fighting overload):	5300 kg

Maximum Landing Weight 4200 kg

Maximum Hopper Load

Normal: 1500 kg

Restricted (overload): 2000 kg

Restricted (fire-fighting overload): 2200 kg

14. Centre of Gravity Range:

Normal: from 23% to 31% MAC

Restricted (overload): from 28% to 31% MAC at MTOW

Restricted (fire-fighting overload): from 29.2% to 31% MAC at MTOW

Mean Aerodynamic Chord (MAC) is 2.261 m. 0% MAC is 0.004 m aft of wing leading edge.

15. Datum: Wing leading edge

16. Control surface deflections:

Aileron:	Up 21° ±1° Down 17° ±1°
Rudder:	Left 23° ±1° Right 23° ±1°
Elevator:	Up 27° ±1° Down 17° ±1°
Aileron Trim Tab:	Up 7°30' ±2° Down 7°30' ±2°
Rudder Trim Tab:	Left 13° ±2° Right 13° ±2°
Elevator Trim Tab:	Up 10° ±1° Down 17° ±1°

17. Levelling Means: Levelling points are shown on Fig. 4.1 of Aircraft Description and Service Manual.

18. Minimum Flight Crew: 1 (Pilot)

19. Maximum Passenger Seating Capacity: 1 (Pilot)

20. Baggage/ Cargo Compartments: Max. 30 kg

21. Wheels and Tyres: Main Wheel Dwg. No. D41.500.00.1 with tire 800x260W3 with inner tube
Tail Wheel Dwg. No. D43.500.00.1 or D43.500.00.3 with tire 380x150 with inner tube

22. (Reserved)

A.IV. Operating and Service Instructions

1. Flight Manual: "Aircraft Flight Manual. PZL M18 "DROMADER" equipped with ASz-62IRm18 engine"
2. Maintenance Manual: "Airplane Description and Service Manual. PZL M18 "DROMADER" equipped with ASz-62IRm18 engine"
3. Structural Repair Manual: "PZL M18 "DROMADER". Aircraft Repair Manual"
4. Weight and Balance Manual: "Airplane Description and Service Manual. PZL M18 "DROMADER" equipped with ASz-62IRm18 engine" Sections 4.4 and 4.5.
5. Illustrated Parts Catalogue: "M18 Parts and Assemblies Catalog"

A.V. Notes

NOTE 1: All inscriptions and placards as required in the approved Aircraft Flight Manual of PZL M18 "DROMADER" must be installed on each airplane in the specified configuration and at appropriate location.
Limitations specified on the placards must read in the same units (knots, MPH, km/h) as the airspeed indicator.

NOTE 2: The airplane in restricted category and with optional equipment (such as: auxiliary fuel system, ARL-1601 ADF, KR-85 ADF, engine cylinder shields, cockpit heating system, etc.) installed, shall be operated in accordance with Section 9 of the Aircraft Flight Manual of PZL M18 "DROMADER"

NOTE 3: The aircraft may be operated in the fire-fighting overload version with the weight of 5300 kg upon installation of the partition with air containers in the hopper acc. to Dwg. No. D99.300.00.0.

SECTION B: PZL M18A

B.I. General

1. Type/ Model/ Variant
   1.1 Type: PZL M18
   1.2 Model: PZL M18A
   1.3 Variant: agricultural, fire fighting
2. Airworthiness Category:
   Normal
   Restricted (overload)
   Restricted (fire-fighting overload)
3. Manufacturer: Polskie Zaklady Lotnicze Sp. z o.o.
   Wojska Polskiego 3
   39-300 Mielec
   POLAND

4. EASA Type Certification Application Date:
   Normal: 12 November 1981
   Restricted (overload): 12 November 1981
   Restricted (fire-fighting overload): 14 January 1991

Note: State of Design Authority certification application date for grandfathered products

5. State of Design Authority: Polish CAO
6. State of Design Authority Type Certificate Date
   Normal: 14 February 1984
   Restricted (overload): 14 February 1984
   Restricted (fire-fighting overload): 20 August 1993
7. EASA Type Certification Date: 24 October 2005

B.II. EASA Certification Basis

1. Reference Date for determining the applicable requirements:
   8 April 1975
2. Airworthiness Requirements:
   Normal: 14 CFR Part 23, including Amdt. 23-16
   Restricted (overload): Civil Aeronautics Manual 8, Second Edition, on the basis of the Type Certificate in Normal Category under 14 CFR Part 23, including Amdt. 23-16
3. Special Conditions: None
4. Exemptions: None
5. (Reserved) Deviations: None

6. Equivalent Safety Findings: None
7. Environmental Protection: 14 CFR Part 36

B.III. Technical Characteristics and Operational Limitations

1. Type Design Definition: Drawing No. M18, Sheet No. 8
2. Description: All metal, low wing, with non retractable tailwheel landing gear, single piston agricultural and fire-fighting airplane, equipped with additional mechanic cabin
3. Equipment: Approved equipment list is stated in document "Airplane Description and Service Manual. PZL M18 "DROMADER" equipped with ASz-62IRm18 engine"
4. Dimensions:
   Span: 17,7 m
   Length: 9,5 m
   Height: 3,7 m (parking)
   Wing area: 40 m^2
5. Engine
   5.1. Model: ASz-62IR-M18
   5.2 Type Certificate: EASA.E.140
   5.3 Limitations:

	HP	RPM	Manifold Pressure (mm Hg)	Altitude
T-O Power (5 minutes), minimum	980	2200	1050	S.L.
Max. Continuous Power, minimum	823	2100	900	1500 m
Max. Continuous Power, minimum	804	2100	900	S.L.

6. Load factors:
   Normal: +3.4 g, -1.4 g
   Restricted (overload): +3.0 g, -1.2 g
   Restricted (fire-fighting overload): +2.8 g, -1.1 g

7. Propeller
   7.1 Model: AW-2-30
   7.2 Type Certificate: PL DB-122
   7.3 Number of blades: 4
   7.4 Diameter: 3.3 m
   7.5 Sense of Rotation: clockwise in flight direction

8. Fluids

8.1 Fuel: Minimum grade 91 aviation gasoline with tetraethyl load content of max. 3.3 g per 1 kg of fuel, in accordance to:
- GOST 1012-72
- D.Eng. RD 2485
- ASTM - D910-75
- MIL-G-5572F
- RH-95/130

8.2 Oil: Mineral oil with or without detergents, min. viscosity 20 cSt at 100°C, min. viscosity index 80

8.3 Coolant: N/A

9. Fluid capacities

9.1 Fuel:
- 414 l (usable fuel 400 l) with outer wings installed in accordance with Dwg. No. D22.000.00.1K L/R
- 726 l (usable fuel 712 l) with outer wings installed in accordance with Dwg. No. D22.000.00.5K L/R

9.2 Oil: 70 l (usable oil 35 l)

9.3 Coolant system capacity: N/A

10. Air Speeds:

Never Exceed Speed Limit V_{NE}
- Normal: 280 km/h CAS
- Restricted (overload): 230 km/h CAS
- Restricted (fire-fighting overload): 230 km/h CAS

Design Manoeuvring Speed Limit V_A 228 km/h CAS

Normal Operating Speed V_{NO}
- Normal: 230 km/h CAS
- Restricted (overload): 200 km/h CAS
- Restricted (fire-fighting overload): 200 km/h CAS

Maximum Flaps Extended Speed Limit V_{FE} 200 km/h CAS

11. Flight Envelope:

Maximum Operating Altitude: 4000 m

Ambient Air Temperature Operating Limits:
(a) +45° C to +15° C without engine cylinder winterization shields
(b) +15° C to -10° C with or without engine cylinder shields, optional
(c) -10° C to -30° C with engine cylinder shields installed

12. Approved Operations Capability:

Day and night operation under VFR conditions.

Flight in icing conditions is prohibited.

13. Maximum Masses:

Maximum Takeoff Weight MTOW

Normal:	4200 kg
Restricted (overload):	4700 kg
Restricted (fire-fighting overload):	5300 kg

Maximum Landing Weight 4200 kg

Maximum Hopper Load*

Normal:	1500 kg
Restricted (overload):	2000 kg
Restricted (fire-fighting overload):	2200 kg

)* - Max. hopper load limitations with occupant in mechanic cabin in acc. with NOTE 3

14. Centre of Gravity Range:

Normal:	from 23% to 31% MAC
Restricted (overload):	from 28% to 31% MAC at MTOW
Restricted (fire-fighting overload):	from 29.2% to 31% MAC at MTOW

Mean Aerodynamic Chord (MAC) is 2.261 m. 0% MAC is 0.004 m aft of wing leading edge.

15. Datum: Wing leading edge

16. Control surface deflections:

Aileron:	Up 21° ±1° Down 17° ±1°
Rudder:	Left 23° ±1° Right 23° ±1°
Elevator:	Up 27° ±1° Down 17° ±1°
Aileron Trim Tab:	Up 7°30' ±2° Down 7°30' ±2°
Rudder Trim Tab:	Left 13° ±2° Right 13° ±2°
Elevator Trim Tab:	Up 10° ±1° Down 17° ±1°

17. Levelling Means: Levelling points are shown on Fig. 4.1 of Aircraft Description and Service Manual.

18. Minimum Flight Crew: 1 (Pilot)

19. Maximum Passenger Seating Capacity: 2 (including pilot)

20. Baggage/ Cargo Compartments: Max. 30 kg

21. Wheels and Tyres: Main Wheel Dwg. No. D41.500.00.1 with tire 800x260W3 with inner tube

Tail Wheel Dwg. No. D43.500.00.1 or D43.500.00.3 with tire 380x150 with inner tube

22. (Reserved)

B.IV. Operating and Service Instructions

1. Flight Manual: "Aircraft Flight Manual. PZL M18 "DROMADER" equipped with ASz-62IRm18 engine" together with mandatory supplements as contained in Section 9 thereof including Supplement No 8 effective on the PZL M18A "DROMADER" model
2. Maintenance Manual: "Airplane Description and Service Manual. PZL M18 "DROMADER" Equipped with ASz-62IRm18 engine" with supplement 7.3 effective on the PZL M18A "DROMADER" model
3. Structural Repair Manual: "PZL M18 "DROMADER". Aircraft Repair Manual"
4. Weight and Balance Manual: "Airplane Description and Service Manual. PZL M18 "DROMADER" Equipped with ASz-62IRm18 engine" Sections 4.4 and 4.5.
5. Illustrated Parts Catalogue: "M18 Parts and Assemblies Catalog"

B.V. Notes

NOTE 1: All inscriptions and placards as required in the approved Aircraft Flight Manual of PZL M18 "DROMADER" (including Supplement No. 8, effective on PZL M18A "DROMADER" model) must be installed on each airplane in the specified configuration and at appropriate location.
Limitations specified on the placards must read in the same units (knots, MPH, km/h) as the airspeed indicator.

NOTE 2: The airplane in restricted category and with optional equipment (such as: auxiliary fuel system, ARL-1601 ADF, KR-85 ADF, engine cylinder shields, cockpit heating system, etc.) installed, shall be operated in accordance with Section 9 of the Aircraft Flight Manual of PZL M18 "DROMADER".

NOTE 3: To prevent exceeding the airplane C.G. range limits with an occupant in mechanic's cabin, the following max. hopper load limitations apply:
(a) Fire fighting version:
- with full fuel tanks of 414 l total capacity - 700 kg
- with full fuel tanks of 726 l total capacity - 400 kg

(b) Dusting version with "TRANSLAND" spreader:
- with full fuel tanks of 414 l total capacity - 600 kg
- with full fuel tanks of 726 l total capacity - 200 kg

(c) Dusting version with D98.670.00.1 spreader:
- with full fuel tanks of 414 l total capacity - 400 kg
- with full fuel tanks of 726 l total capacity - 100 kg

(d) Medium and coarse droplet spraying version:
- with full fuel tanks of 414 l total capacity - 400 kg

- with full fuel tanks of 726 l total capacity - 100 kg

(e) Spraying atomizer version:

- it is prohibited to carry load in the hopper with fuel amount exceeding 350 l.

NOTE 4: It is prohibited to perform operational flight with an occupant in mechanic's cabin.

NOTE 5: The aircraft may be operated in the fire-fighting overload version with the weight of 5300 kg upon installation of the partition with air containers in the hopper acc.to Dwg. No. D99.300.00.0.

SECTION C: PZL M18AS

(a) Trainer – dual control version (with instructor's cockpit installed)

C.I(a). General

1. Type/ Model/ Variant
   - 1.1 Type: PZL M18
   - 1.2 Model: PZL M18AS
   - 1.3 Variant: agricultural, fire fighting
2. Airworthiness Category: Normal
3. Manufacturer: Polskie Zaklady Lotnicze Sp. z o.o.
   Wojska Polskiego 3
   39-300 Mielec
   POLAND

4. EASA Type Certification Application Date: 25 June 1987

Note: State of Design Authority certification application date for grandfathered products

5. State of Design Authority: Polish CAO
6. State of Design Authority Type Certificate Date: 26 March 1990
7. EASA Type Certification Date: 24 October 2005

C.II(a). EASA Certification Basis

1. Reference Date for determining the applicable requirements:
   8 April 1975
2. Airworthiness Requirements:
   14 CFR Part 23, including Amdt. 23-16
3. Special Conditions: None
4. Exemptions: None
5. (Reserved) Deviations: None
6. Equivalent Safety Findings: None
7. Environmental Protection: 14 CFR Part 36

C.III(a). Technical Characteristics and Operational Limitations

1. Type Design Definition: Drawing No. M18AS, Sheet No. 2
2. Description: All metal, low wing, with non retractable tailwheel landing gear, single piston agricultural and fire-fighting airplane, equipped with additional mechanic cabin and instructor's cockpit for training

3. Equipment: Approved equipment list is stated in document “Airplane Description and Service Manual. PZL M18 “DROMADER” equipped with ASz-62IRm18 engine”

4. Dimensions:
Span: 17,7 m
Length: 9,5 m
Height: 3,7 m (parking)
Wing area: 40 m^2

5. Engine

5.1. Model: ASz-62IR-M18

5.2 Type Certificate: EASA.E.140

5.3 Limitations:

	HP	RPM	Manifold Pressure (mm Hg)	Altitude
T-O Power (5 minutes), minimum	980	2200	1050	S.L.
Max. Continuous Power, minimum	823	2100	900	1500 m
Max. Continuous Power, minimum	804	2100	900	S.L.

6. Load factors: +3.4 g, -1.4 g

7. Propeller

7.1 Model: AW-2-30

7.2 Type Certificate: PL DB-122

7.3 Number of blades: 4

7.4 Diameter: 3.3 m

7.5 Sense of Rotation: clockwise in flight direction

8. Fluids

8.1 Fuel: Minimum grade 91 aviation gasoline with tetraethyl load content of max. 3.3 g per 1 kg of fuel, in accordance to:
- GOST 1012-72
- D.Eng. RD 2485
- ASTM - D910-75
- MIL-G-5572F
- RH-95/130

8.2 Oil: Mineral oil with or without detergents, min. viscosity 20 cSt at 100°C, min. viscosity index 80

8.3 Coolant: N/A

9. Fluid capacities

9.1 Fuel: - 726 l (usable fuel 712 l) with outer wings installed in accordance with Dwg. No. D22.000.00.5K L/R

9.2 Oil: 70 l (usable oil 35 l)

9.3 Coolant system capacity: N/A

10. Air Speeds:

Never Exceed Speed Limit V_{NE}

Normal: 280 km/h CAS

Restricted (overload): 230 km/h CAS

Restricted (fire-fighting overload): 230 km/h CAS

Design Manoeuvring Speed Limit V_A 228 km/h CAS

Normal Operating Speed V_{NO}

Normal: 230 km/h CAS

Restricted (overload): 200 km/h CAS

Restricted (fire-fighting overload): 200 km/h CAS

Maximum Flaps Extended Speed Limit V_{FE} 200 km/h CAS

11. Flight Envelope:

Maximum Operating Altitude: 4000 m

Ambient Air Temperature Operating Limits:

(a) +45° C to +15° C without engine cylinder winterization shields

(b) +15° C to -10° C with or without engine cylinder shields, optional

(c) -10° C to -30° C with engine cylinder shields installed

12. Approved Operations Capability:

Day and night operation under VFR conditions.

Flight in icing conditions is prohibited.

13. Maximum Masses:

Maximum Takeoff Weight MTOW: 4200 kg

Maximum Landing Weight 4200 kg

Maximum Hopper Load* 800 kg

)* - For applicable load limitations depending on the number of occupants on board, see NOTES 3 and 5

14. Centre of Gravity Range: from 23% to 31% MAC

Mean Aerodynamic Chord (MAC) is 2.261 m. 0% MAC is 0.004 m aft of wing leading edge.

15. Datum: Wing leading edge

16. Control surface deflections:

Aileron: Up 21° ±1°
Down 17° ±1°

Rudder: Left 23° ±1°

	Right 23° ±1°
Elevator:	Up 27° ±1° Down 17° ±1°
Aileron Trim Tab:	Up 7°30' ±2° Down 7°30' ±2°
Rudder Trim Tab:	Left 13° ±2° Right 13° ±2°
Elevator Trim Tab:	Up 10° ±1° Down 17° ±1°

17. Levelling Means: Levelling points are shown on Fig. 4.1 of Aircraft Description and Service Manual.
18. Minimum Flight Crew: 1 (Pilot)
19. Maximum Passenger Seating Capacity: 2 (instructor-pilot and student-pilot)
20. Baggage/ Cargo Compartments: None
21. Wheels and Tyres: Main Wheel Dwg. No. D41.500.00.1 with tire 800x260W3 with inner tube
Tail Wheel Dwg. No. D43.500.00.1 or D43.500.00.3 with tire 380x150 with inner tube
22. (Reserved)

C.IV(a). <u>Operating and Service Instructions</u>

1. Flight Manual: "Aircraft Flight Manual. PZL M18 "DROMADER" equipped with ASz-62IRm18 engine" together with mandatory supplements as contained in Section 9 thereof including Supplement No 14 effective on the PZL M18AS Trainer model
2. Maintenance Manual: "Airplane Description and Service Manual. PZL M18 "DROMADER" Equipped with ASz-62IRm18 engine" with Supplement 7.8 effective on the PZL M18AS "DROMADER" Trainer model
3. Structural Repair Manual: "PZL M18 "DROMADER". Aircraft Repair Manual"
4. Weight and Balance Manual: "Airplane Description and Service Manual. PZL M18 "DROMADER" Equipped with ASz-62IRm18 engine" Sections 4.4 and 4.5.
5. Illustrated Parts Catalogue: "M18 Parts and Assemblies Catalog"

C.V(a). Notes

NOTE 1: All inscriptions and placards as required in the approved Aircraft Flight Manual of PZL M18 "DROMADER" (including Supplement No. 14, effective on PZL M18AS "DROMADER" Trainer model) must be installed on each airplane in the specified configuration and at appropriate location.
Limitations specified on the placards must read in the same units (knots, MPH, km/h) as the airspeed indicator.

NOTE 2: The airplane with optional equipment (such as: ARL-1601 ADF, KR-85 ADF, engine cylinder shields, cockpit heating system, etc.) installed, shall be operated in accordance with Section 9 of the Aircraft Flight Manual of PZL M18 "DROMADER ".

NOTE 3: It is prohibited to perform flights with an occupant in mechanic's cabin and with luggage in the baggage compartment. Mechanic's cabin equipment (seat and fire extinguisher) and baggage compartment should be removed.
Note: Any other possible loading and equipment configurations should be checked to be within C.G. range limits (Fig. 9.14.7 in Supplement No. 14 of the Aircraft Flight Manual).

NOTE 4: It is prohibited to perform solo flights with a pilot only in the instructor's (front) cockpit.

NOTE 5: M18AS "DROMADER" Trainer model is approved to perform agricultural training flights in spraying version only.

NOTE 6: M18AS "DROMADER" Trainer model with dual control system is approved to perform training flights in fire fighting version with the liquid load of max 500 l (bottom part of hopper filled).

(b) Trainer – Operational, single-control version (standard hopper installed)

C.I(b). General

1. Type/ Model/ Variant
   1.1 Type: PZL M18
   1.2 Model: PZL M18AS
   1.3 Variant: agricultural, fire fighting
2. Airworthiness Category:
   Normal
   Restricted (overload)
   Restricted (fire-fighting overload)
3. Manufacturer: Polskie Zaklady Lotnicze Sp. z o.o.
   Wojska Polskiego 3
   39-300 Mielec
   POLAND

4. EASA Type Certification Application Date:
   Normal: 25 June 1987
   Restricted (overload): 25 June 1987
   Restricted (fire-fighting overload): 14 January 1991

Note: State of Design Authority certification application date for grandfathered products

5. State of Design Authority: Polish CAO
6. State of Design Authority Type Certificate Date
   Normal: 26 March 1990
   Restricted (overload): 26 March 1990
   Restricted (fire-fighting overload): 20 August 1993
7. EASA Type Certification Date: 24 October 2005

C.II(b). EASA Certification Basis

1. Reference Date for determining the applicable requirements:
   8 April 1975
2. Airworthiness Requirements:
   Normal: 14 CFR Part 23, including Amdt. 23-16
   Restricted (overload): Civil Aeronautics Manual 8, Second Edition, on the basis of the Type Certificate in Normal Category under 14 CFR Part 23, including Amdt. 23-16
3. Special Conditions: None
4. Exemptions: None
5. (Reserved) Deviations: None

6. Equivalent Safety Findings: None
7. Environmental Protection: 14 CFR Part 36

C.III(b). Technical Characteristics and Operational Limitations

1. Type Design Definition: Drawing No. M18AS, Sheet No. 2
2. Description: All metal, low wing, with non retractable tailwheel landing gear, single piston agricultural and fire-fighting airplane, equipped with additional mechanic cabin and standard hopper installed
3. Equipment: Approved equipment list is stated in document "Airplane Description and Service Manual. PZL M18 "DROMADER" equipped with ASz-62IRm18 engine"
4. Dimensions:
   Span: 17,7 m
   Length: 9,5 m
   Height: 3,7 m (parking)
   Wing area: 40 m^2
5. Engine
   5.1. Model: ASz-62IR-M18
   5.2 Type Certificate: EASA.E.140
   5.3 Limitations:

	HP	RPM	Manifold Pressure (mm Hg)	Altitude
T-O Power (5 minutes), minimum	980	2200	1050	S.L.
Max. Continuous Power, minimum	823	2100	900	1500 m
Max. Continuous Power, minimum	804	2100	900	S.L.

6. Load factors:
   Normal: +3.4 g, -1.4 g
   Restricted (overload): +3.0 g, -1.2 g
   Restricted (fire-fighting overload): +2.8 g, -1.1 g

7. Propeller
   7.1 Model: AW-2-30
   7.2 Type Certificate: PL DB-122
   7.3 Number of blades: 4
   7.4 Diameter: 3.3 m
   7.5 Sense of Rotation: clockwise in flight direction

8. Fluids

8.1 Fuel: Minimum grade 91 aviation gasoline with tetraethyl load content of max. 3.3 g per 1 kg of fuel, in accordance to:
- GOST 1012-72
- D.Eng. RD 2485
- ASTM - D910-75
- MIL-G-5572F
- RH-95/130

8.2 Oil: Mineral oil with or without detergents, min. viscosity 20 cSt at 100°C, min. viscosity index 80

8.3 Coolant: N/A

9. Fluid capacities

9.1 Fuel: 726 l (usable fuel 712 l) with outer wings installed in accordance with Dwg. No. D22.000.00.5K L/R

9.2 Oil: 70 l (usable oil 35 l)

9.3 Coolant system capacity: N/A

10. Air Speeds:

Never Exceed Speed Limit V_{NE}

Normal: 280 km/h CAS

Restricted (overload): 230 km/h CAS

Restricted (fire-fighting overload): 230 km/h CAS

Design Manoeuvring Speed Limit V_A 228 km/h CAS

Normal Operating Speed V_{NO}

Normal: 230 km/h CAS

Restricted (overload): 200 km/h CAS

Restricted (fire-fighting overload): 200 km/h CAS

Maximum Flaps Extended Speed Limit V_{FE} 200 km/h CAS

11. Flight Envelope:

Maximum Operating Altitude: 4000 m

Ambient Air Temperature Operating Limits:

(a) +45° C to +15° C without engine cylinder winterization shields

(b) +15° C to -10° C with or without engine cylinder shields, optional

(c) -10° C to -30° C with engine cylinder shields installed

12. Approved Operations Capability:

Day and night operation under VFR conditions.

Flight in icing conditions is prohibited.

13. Maximum Masses:

Maximum Takeoff Weight MTOW

Normal: 4200 kg

Restricted (overload): 4700 kg
Restricted (fire-fighting overload): 5300 kg

Maximum Landing Weight 4200 kg
Maximum Hopper Load*
Normal: 1500 kg
Restricted (overload): 2000 kg
Restricted (fire-fighting overload): 2200 kg
)* - Max. hopper load limitations with occupant in mechanic cabin in acc. with NOTE 3

14. Centre of Gravity Range:
Normal: from 23% to 31% MAC
Restricted (overload): from 28% to 31% MAC at MTOW
Restricted (fire-fighting overload): from 29.2% to 31% MAC at MTOW
Mean Aerodynamic Chord (MAC) is 2.261 m. 0% MAC is 0.004 m aft of wing leading edge.

15. Datum: Wing leading edge

16. Control surface deflections:

Aileron:	Up 21° ±1° Down 17° ±1°
Rudder:	Left 23° ±1° Right 23° ±1°
Elevator:	Up 27° ±1° Down 17° ±1°
Aileron Trim Tab:	Up 7°30' ±2° Down 7°30' ±2°
Rudder Trim Tab:	Left 13° ±2° Right 13° ±2°
Elevator Trim Tab:	Up 10° ±1° Down 17° ±1°

17. Levelling Means: Levelling points are shown on Fig. 4.1 of Aircraft Description and Service Manual.
18. Minimum Flight Crew: 1 (Pilot)
19. Maximum Passenger Seating Capacity: 2 (including pilot)
20. Baggage/ Cargo Compartments: Max. 30 kg
21. Wheels and Tyres: Main Wheel Dwg. No. D41.500.00.1 with tire 800x260W3 with inner tube
Tail Wheel Dwg. No. D43.500.00.1 or D43.500.00.3 with tire 380x150 with inner tube
22. (Reserved)

C.IV(b). Operating and Service Instructions

1. Flight Manual:	"Aircraft Flight Manual. PZL M18 "DROMADER" equipped with ASz-62IRm18 engine" together with mandatory supplements as contained in Section 9 thereof including Supplement No 14 effective on the PZL M18AS "DROMADER" model
2. Maintenance Manual:	"Airplane Description and Service Manual. PZL M18 "DROMADER" Equipped with ASz-62IRm18 engine" with Supplement 7.8 effective on the PZL M18AS "DROMADER" Trainer model
3. Structural Repair Manual:	"PZL M18 "DROMADER". Aircraft Repair Manual"
4. Weight and Balance Manual:	"Airplane Description and Service Manual. PZL M18 "DROMADER" Equipped with ASz-62IRm18 engine" Sections 4.4 and 4.5.
5. Illustrated Parts Catalogue:	"M18 Parts and Assemblies Catalog"

C.V(b). Notes

NOTE 1: All inscriptions and placards as required in the approved Aircraft Flight Manual of PZL M18 "DROMADER" (including Supplement No. 14, effective on PZL M18AS "DROMADER" Trainer model) must be installed on each airplane in the specified configuration and at appropriate location.
Limitations specified on the placards must read in the same units (knots, MPH, km/h) as the airspeed indicator

NOTE 2: The airplane in restricted category and with optional equipment (such as: RL-1601 ADF, KR-85 ADF, engine cylinder shields, cockpit heating system, etc.) installed, shall be operated in accordance with Section 9 of the Aircraft Flight Manual of PZL M18 "DROMADER".

NOTE 3: To prevent exceeding the airplane C.G. range limits with an occupant in mechanic's cabin, the following max. hopper load limitations apply:

(a) Fire fighting version:	400 kg
(b) Dusting version with "TRANSLAND" spreader:	200 kg
(c) Dusting version with D98.670.00.1 spreader:	100 kg
(d) Medium and coarse droplet spraying version:	100 kg

(e) Spraying atomizer version:
- It is prohibited to carry load in the hopper with fuel amount exceeding 350 l.

NOTE 4: It is prohibited to perform operational flight with an occupant in mechanic's cabin.

NOTE 5: The aircraft may be operated in the fire-fighting overload version with the weight of 5300 kg upon installation of the partition with air containers in the hopper acc.to Dwg. No. D99.300.00.0.

SECTION D: PZL M18B

D.I. General

1. Type/ Model/ Variant
   - 1.1 Type: PZL M18
   - 1.2 Model: PZL M18B
   - 1.3 Variant: agricultural, fire fighting
2. Airworthiness Category:
   - Normal
   - Restricted
3. Manufacturer: Polskie Zaklady Lotnicze Sp. z o.o.
   Wojska Polskiego 3
   39-300 Mielec
   POLAND

4. EASA Type Certification Application Date:
   - Normal: 7 November 1991
   - Restricted: 7 November 1991
   - For M18B with Asz-62IR-M18/k9-BB or K9-BB engine: 5 September 2002

Note: State of Design Authority certification application date for grandfathered products

5. State of Design Authority: Polish CAO
6. State of Design Authority Type Certificate Date
   - Normal: 27 January 1994
   - Restricted: 27 January 1994
   - M18B with Asz-62IR-M18/k9-BB or K9-BB engine: 23 March 2005
7. EASA Type Certification Date: 24 October 2005

D.II. EASA Certification Basis

1. Reference Date for determining the applicable requirements: 8 April 1975
2. Airworthiness Requirements:
   - Normal: 14 CFR Part 23, including Amdt. 23-16
   - Restricted (overload): Civil Aeronautics Manual 8, Second Edition, on the basis of the Type Certificate in Normal Category under 14 CFR Part 23, including Amdt. 23-16
3. Special Conditions: None

4. Exemptions: None
5. (Reserved) Deviations: None
6. Equivalent Safety Findings: None
7. Environmental Protection: 14 CFR Part 36

D.III. Technical Characteristics and Operational Limitations

1. Type Design Definition: Drawing No. M18, Sheet No. 10
2. Description: All metal, low wing, with non retractable tailwheel landing gear, single piston agricultural and fire-fighting airplane, equipped with additional mechanic cabin, with modified horizontal tail elevator, rudder, flap control system
3. Equipment: Approved equipment list is stated in document "Airplane Description and Service Manual. PZL M18B "DROMADER" equipped with ASz-62IRm18 engine"
4. Dimensions:
   Span: 17,7 m
   Length: 9,5 m
   Height: 3,7 m (parking)
   Wing area: 40 m^2
5. Engine
   5.1. Model: ASz-62IR-M18 or Asz-62IR-M18/K9-BB
   5.2 Type Certificate: EASA.E.140
   5.3 Limitations:

Asz-62IR-M18:

	HP	RPM	Manifold Pressure (mm Hg)	Altitude
T-O Power (5 minutes), minimum	980	2200	1050	S.L.
Max. Continuous Power, minimum	823	2100	900	1500 m
Max. Continuous Power, minimum	804	2100	900	S.L.

Asz-62IR-M18/K9-BB:

	HP	RPM	Manifold Pressure (mm Hg)	Altitude
T-O Power (5 minutes), minimum	1000	2200	1120	S.L.
Max. Continuous Power, minimum	967	2150	1050	1500 m
Max. Continuous Power, minimum	930	2150	1050	S.L.

6. Load factors:
   Normal: +3.4 g, -1.4 g
   Restricted: +2.8 g, -1.1 g

7. Propeller

7.1 Model: AW-2-30

7.2 Type Certificate: PL DB-122

7.3 Number of blades: 4

7.4 Diameter: 3.3 m

7.5 Sense of Rotation: clockwise in flight direction

8. Fluids

8.1 Fuel: Minimum grade 91 aviation gasoline with tetraethyl load content of max. 3.3 g per 1 kg of fuel, in accordance to:
- GOST 1012-72
- D.Eng. RD 2485
- ASTM - D910-75
- MIL-G-5572F
- RH-95/130

8.2 Oil: Mineral oil with or without detergents, min. viscosity 20 cSt at 100°C, min. viscosity index 80

8.3 Coolant: N/A

9. Fluid capacities

9.1 Fuel: 726 l (usable fuel 712 l)

9.2 Oil: 70 l (usable oil 35 l)

9.3 Coolant system capacity: N/A

10. Air Speeds:

Never Exceed Speed Limit V_{NE}

Normal: 280 km/h CAS

Restricted: 230 km/h CAS

Design Manoeuvring Speed Limit V_A 228 km/h CAS

Normal Operating Speed V_{NO}

Normal: 230 km/h CAS

Restricted: 200 km/h CAS

Maximum Flaps Extended Speed Limit V_{FE} 200 km/h CAS

11. Flight Envelope:

Maximum Operating Altitude: 4000 m

Ambient Air Temperature Operating Limits:

(a) +45° C to +15° C without engine cylinder winterization shields

(b) +15° C to -10° C with or without engine cylinder shields, optional

(c) -10° C to -30° C with engine cylinder shields installed

12. Approved Operations Capability:

Day and night operation under VFR conditions.

Flight in icing conditions is prohibited.

13. Maximum Masses:

Maximum Takeoff Weight MTOW*

Normal:	4200 kg
Restricted:	5300 kg

)* - See NOTE 6

Maximum Landing Weight	4200 kg

Maximum Hopper Load**

Normal:	1500 kg
Restricted:	2200 kg

)** - See NOTES 3, 6

14. Centre of Gravity Range***:

Normal:	from 23% to 31% MAC
Restricted:	from 29.2% to 31% MAC at MTOW

Mean Aerodynamic Chord (MAC) is 2.261 m. 0% MAC is 0.004 m aft of wing leading edge.

)*** - See NOTE 5

15. Datum: Wing leading edge

16. Control surface deflections:

Aileron:	Up 21° ±1° Down 17° ±1°
Rudder:	Left 23° ±1° Right 23° ±1°
Elevator:	Up 27° ±1° Down 17° ±1°
Aileron Trim Tab:	Up 7°30' ±2° Down 7°30' ±2°
Rudder Trim Tab:	Left 13° ±2° Right 13° ±2°
Elevator Trim Tab:	Up 10° ±1° Down 17° ±1°
Flaps for Takeoff:	15°
Flaps for Landing:	30°

17. Levelling Means: Levelling points are shown on Fig. 4.1 of Aircraft Description and Service Manual.

18. Minimum Flight Crew: 1 (Pilot)

19. Maximum Passenger Seating Capacity: 2 (including pilot)

20. Baggage/ Cargo Compartments: Max. 30 kg

21. Wheels and Tyres: Main Wheel Dwg. No. D41.500.00.1 with tire 800x260W3 with inner tube
Tail Wheel Dwg. No. D43.500.00.1 or D43.500.00.3 with tire 380x150 with inner tube

22. (Reserved)

D.IV. Operating and Service Instructions

1. Flight Manual*: "Aircraft Flight Manual. PZL M18 "DROMADER" equipped with ASz-62IRm18 engine" together with mandatory supplements as contained in Section 9 thereof including Supplement No 17 effective on the PZL M18B "DROMADER" model or "Aircraft Flight Manual. PZL M18B "DROMADER" equipped with ASz-62IRm18 engine"

)* - For airplane with Asz-62IR-M18/K9-BB engine: "Aircraft Flight Manual. PZL M18B "DROMADER" equipped with ASz-62IRm18 engine" with Supplement 31

2. Maintenance Manual**: "Airplane Description and Service Manual. PZL M18B "DROMADER" Equipped with ASz-62IRm18 engine" with Supplement 7.9 effective on the PZL M18B "DROMADER" model or "Airplane Description and Service Manual. PZL M18B "DROMADER" Equipped with ASz-62IRm18 engine"

)** - For airplane with Asz-62IR-M18/K9-BB engine: "Aiplane Description and Service Manula. PZL M18B "DROMADER" equipped with ASz-62IRm18 engine" with Supplement 7.31

3. Structural Repair Manual: "PZL M18 "DROMADER". Aircraft Repair Manual"

4. Weight and Balance Manual: "Airplane Description and Service Manual. PZL M18 "DROMADER" Equipped with ASz-62IRm18 engine" Sections 4.4 and 4.5. or "Airplane Description and Service Manual. PZL M18B "DROMADER" Equipped with ASz-62IRm18 engine" Sections 4.4 and 4.5.

5. Illustrated Parts Catalogue: "M18 Parts and Assemblies Catalog"

D.V. Notes

NOTE 1: All inscriptions and placards as required in the approved Aircraft Flight Manual of PZL M18 "DROMADER" (including Supplement No. 17, effective on PZL M18B "DROMADER" model) must be installed on each airplane in the specified configuration and at appropriate location. Limitations specified on the placards must read in the same units (knots, MPH, km/h) as the airspeed indicator.

NOTE 2: The airplane in restricted category and with optional equipment (such as: auxiliary fuel system, ARL-1601 ADF, KR-85 ADF, engine cylinder shields, cockpit heating

system, etc.) installed, shall be operated in accordance with Section 9 of the Aircraft Flight Manual of PZL M18 "DROMADER".

NOTE 3: To prevent exceeding the airplane C.G. range limits with in occupant in mechanic's cabin, hopper load shall be limited, as follows:
Fire fighting version:
- With max. fuel load - 50 kg
- With 400 l of fuel - 200 kg

NOTE 4: It is prohibited to perform operational flight with an occupant in mechanic's cabin.

NOTE 5: For the spraying version with AU-3000 and AU-5000 atomizers, the rearmost C.G. position in 32% MAC is permitted within the whole range of weights.

NOTE 6: To maintain safe rate of climb not less than 1.5 m/s at the rated power, the maximum takeoff weight is limited to 4800 kg in dusting version with big spreader (Dwg. No. D98.670.00.1). Maximum hopper load results from calculations of the airplane takeoff weight.

SECTION E: PZL M18BS

Trainer – dual control version (with instructor's cockpit installed)

E.I. General

1. Type/ Model/ Variant
   - 1.1 Type: PZL M18
   - 1.2 Model: PZL M18BS
   - 1.3 Variant: agricultural, fire fighting
2. Airworthiness Category: Normal
3. Manufacturer: Polskie Zaklady Lotnicze Sp. z o.o.
   Wojska Polskiego 3
   39-300 Mielec
   POLAND

4. EASA Type Certification Application Date: 25 June 1987

Note: State of Design Authority certification application date for grandfathered products

5. State of Design Authority: Polish CAO
6. State of Design Authority Type Certificate Date: 15 March 1997
7. EASA Type Certification Date: 5 February 1998

E.II. EASA Certification Basis

1. Reference Date for determining the applicable requirements:
   8 April 1975
2. Airworthiness Requirements:
   14 CFR Part 23, including Amdt. 23-16
3. Special Conditions: None
4. Exemptions: None
5. (Reserved) Deviations: None
6. Equivalent Safety Findings: None
7. Environmental Protection: 14 CFR Part 36

E.III. Technical Characteristics and Operational Limitations

1. Type Design Definition: Drawing No. M18BS, Sheet No. 3
2. Description: Trainer – dual control airplane for training in agricultural and fire-fighting flight. All metal, low wing, with non retractable tailwheel landing gear, single piston airplane

3. Equipment: Approved equipment list is stated in document “Airplane Description and Service Manual. PZL M18B “DROMADER” equipped with ASz-62IRm18 engine”

4. Dimensions:
Span: 17,7 m
Length: 9,5 m
Height: 3,7 m (parking)
Wing area: 40 m^2

5. Engine

5.1. Model: ASz-62IR-M18

5.2 Type Certificate: EASA.E.140

5.3 Limitations:

	HP	RPM	Manifold Pressure (mm Hg)	Altitude
T-O Power (5 minutes), minimum	980	2200	1050	S.L.
Max. Continuous Power, minimum	823	2100	900	1500 m
Max. Continuous Power, minimum	804	2100	900	S.L.

6. Load factors: +3.4 g, -1.4 g

7. Propeller

7.1 Model: AW-2-30

7.2 Type Certificate: PL DB-122

7.3 Number of blades: 4

7.4 Diameter: 3.3 m

7.5 Sense of Rotation: clockwise in flight direction

8. Fluids

8.1 Fuel: Minimum grade 91 aviation gasoline with tetraethyl load content of max. 3.3 g per 1 kg of fuel, in accordance to:
- GOST 1012-72
- D.Eng. RD 2485
- ASTM - D910-75
- MIL-G-5572F
- RH-95/130

8.2 Oil: Mineral oil with or without detergents, min. viscosity 20 cSt at 100°C, min. viscosity index 80

8.3 Coolant: N/A

9. Fluid capacities

9.1 Fuel: 726 l (usable fuel 712 l)

9.2 Oil: 70 l (usable oil 35 l)

9.3 Coolant system capacity: N/A

10. Air Speeds:

Never Exceed Speed Limit V_{NE} : 280 km/h CAS

Design Manoeuvring Speed Limit V_A 228 km/h CAS

Normal Operating Speed V_{NO} : 230 km/h CAS

Maximum Flaps Extended Speed Limit V_{FE} 200 km/h CAS

11. Flight Envelope:

Maximum Operating Altitude: 4000 m

Ambient Air Temperature Operating Limits:

(a) +45° C to +15° C without engine cylinder winterization shields

(b) +15° C to -10° C with or without engine cylinder shields, optional

(c) -10° C to -30° C with engine cylinder shields installed

12. Approved Operations Capability:

Day and night operation under VFR conditions.

Flight in icing conditions is prohibited.

13. Maximum Masses:

Maximum Takeoff Weight MTOW: 4200 kg

Maximum Landing Weight: 4200 kg

Maximum Hopper Load: 500 kg (bottom part of hopper filled)

14. Centre of Gravity Range: from 23% to 31% MAC

Mean Aerodynamic Chord (MAC) is 2.261 m. 0% MAC is 0.004 m aft of wing leading edge.

15. Datum: Wing leading edge

16. Control surface deflections:

Aileron:	Up 21° ±1° Down 17° ±1°
Rudder:	Left 23° ±1° Right 23° ±1°
Elevator:	Up 27° ±1° Down 17° ±1°
Aileron Trim Tab:	Up 7°30' ±2° Down 7°30' ±2°
Rudder Trim Tab:	Left 13° ±2° Right 13° ±2°
Elevator Trim Tab:	Up 10° ±1° Down 17° ±1°
Flaps for Takeoff:	15°

Flaps for Landing: 30°

17. Levelling Means: Levelling points are shown on Fig. 4.1 of Aircraft Description and Service Manual.
18. Minimum Flight Crew: 1 (Pilot)
19. Maximum Passenger Seating Capacity: 2 (instructor-pilot and student-pilot)
20. Baggage/ Cargo Compartments: None
21. Wheels and Tyres: Main Wheel Dwg. No. D41.500.00.1 with tire 800x260W3 with inner tube
Tail Wheel Dwg. No. D43.500.00.1 or D43.500.00.3 with tire 380x150 with inner tube
22. (Reserved)

E.IV. Operating and Service Instructions

1. Flight Manual: "Aircraft Flight Manual. PZL M18 "DROMADER" equipped with ASz-62IRm18 engine" together with mandatory supplements as contained in Section 9 thereof including Supplement No 20 effective on the PZL M18BS Trainer model or "Aircraft Flight Manual. PZL M18B "DROMADER" equipped with ASz-62IRm18 engine" together with mandatory supplements as contained in Section 9 thereof including Supplement No 8 effective on the PZL M18BS Trainer model
2. Maintenance Manual: "Airplane Description and Service Manual. PZL M18 "DROMADER" Equipped with ASz-62IRm18 engine" with Supplement 7.12 effective on the PZL M18BS "DROMADER" Trainer model or "Airplane Description and Service Manual. PZL M18B "DROMADER" Equipped with ASz-62IRm18 engine" with Supplement 7.2 effective on the PZL M18BS "DROMADER" Trainer model
3. Structural Repair Manual: "PZL M18 "DROMADER". Aircraft Repair Manual"
4. Weight and Balance Manual: "Airplane Description and Service Manual. PZL M18 "DROMADER" Equipped with ASz-62IRm18 engine" Sections 4.4 and 4.5 or "Airplane Description and Service Manual. PZL M18B "DROMADER" Equipped with ASz-62IRm18 engine" Sections 4.4 and 4.5.
5. Illustrated Parts Catalogue: "M18 Parts and Assemblies Catalog"

E.V. Notes

NOTE 1: All inscriptions and placards as required in the approved Aircraft Flight Manual of PZL M18B "DROMADER", including Supplement No. 8, effective on PZL M18BS "DROMADER" Trainer model, must be installed on each airplane in the specified configuration and at appropriate location. Limitations specified on the placards must read in the same units (knots, MPH, km/h) as the airspeed indicator.

NOTE 2: The airplane with operational-optional equipment (such as: engine cylinder shields, KR-85 ADF, etc.) installed, shall be operated in accordance with Section 9 of the Aircraft Flight Manual of PZL M18B "DROMADER".

NOTE 3: To eliminate possible exceedance of the aft center-of-gravity position limit for the airplane fitted with spraying equipment, and in particular with long spray booms installed, the airplane takeoff weight is hereby limited to 4100 kg for the spraying configuration.

NOTE 4: It is prohibited to perform flights with an occupant in mechanic's cabin and with luggage in the baggage compartment. Mechanic's cabin equipment (seat and fire extinguisher) and baggage compartment should be removed.

NOTE 5: Solo flights of student-pilot shall be performed on the PZL M18B model.

NOTE 6: It is prohibited to perform solo flights with a pilot only in the instructor's (front) cockpit.

NOTE 7: M18BS "DROMADER" Trainer model is approved for training flights with fire-fighting and agricultural equipment in spraying configuration only.

SECTION ADMINISTRATIVE

I. Acronyms & Abbreviations

None

II. Type Certificate Holder Record

Current:
Polskie Zaklady Lotnicze Sp. z o.o.
Wojska Polskiego 3
39-300 Mielec
POLAND

III. Change Record

Issue	Date	Changes	TC Issue No. & Date
Issue 01	24 October 2005	Initial Issue	Initial Issue, 24 October 2005
Issue 02	24 June 2008	Editorial corrections	Initial Issue, 24 October 2005
Issue 03	01 October 2008	Editorial corrections	Initial Issue, 24 October 2005
Issue 04	2 September 2020	Implementation of current template	Initial Issue, 24 October 2005

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