
European Aviation Safety Agency

**EASA TYPE-CERTIFICATE
DATA SHEET**

Waco YMF Series

Type Certificate Holder:

Waco Classic Aircraft Corporation
P.O. Box 1229
Battle Creek
Michigan
49016-1229
USA

Manufacturer:

Waco Classic Aircraft Corporation
P.O. Box 1229
Battle Creek
Michigan
49016-1229
USA

Variants

YMF Model F5
YMF Model F5C

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A: YMF Model F5

A.I. General

Data Sheet No.: EASA.IM.A.055	Issue: 01	Date: 23 September 2005
1. a) Type:	YMF	
b) Variant:	YMF Model F5	
2. Airworthiness Category:	Normal	
3. Type Certificate Holder:	Waco Classic Aircraft Corporation P.O. Box 1229 Battle Creek Michigan 49016-1229 USA	
4. Manufacturer:	Waco Classic Aircraft Corporation P.O. Box 1229 Battle Creek Michigan 49016-1229 USA	
5. Certification Application Date:	10 th March 1985	
6. FAA Certification Date:	28 th January 1988	
7. EASA Certification Date:	17 th June 2004	

A.II. Certification Basis

1. Reference Date for determining the applicable requirements:	Prior to September 30, 1939
2. (Reserved)	
3. (Reserved)	
4. Certification Basis:	As defined in CRI A-01, latest Issue
5. Airworthiness Requirements:	US Department of Commerce Aeronautics Branch, Aeronautics Bulletin 7A, effective as amended January 1, 1933
6. Requirements elected to comply:	None
7. EASA Special Conditions:	None
8. EASA Exemptions:	None

- | | |
|-------------------------------------|-------------------------------------|
| 9. EASA Equivalent Safety Findings: | None |
| 10. EASA Environmental Standards: | ICAO, Annex 16, Volume 1, Chapter 6 |

A.III. Technical Characteristics and Operational Limitations

- | | |
|--------------------------------------|---|
| 1. Type Design Definition: | Waco Classic Drawing List F5DL |
| 2. Description: | Single radial engine, tailwheel biplane with metal covered steel tube fuselage and fabric covered wooden wings. |
| 3. Equipment: | Refer to Airplane Flight Manual |
| 4. Dimensions: | |
| Span | 9.14 m |
| Length | 7.11 m |
| Height | 2.59 m |
| Wing Area | 21.69 m ² |
| 5. Engine: | Jacobs R-755B2M or R-755B2 |
| 5.1 Engine Limits: | Max allowable rotational speed 2200 r.p.m |
| For other engine limits refer to AFM | |
| 6. (Reserved) | |
| 7. Propeller: | Sensenich W90T6JA-72, W90T6JB-72, W90T6JA-70, W90T6JB-70, W96JA4-68 or W96JB-4-68 |
| 7.1 Settings | Fixed pitch |
| 7.2 Diameter | Various |
| 8. Fluids: | |
| 8.1 Fuel: | Minimum 80 Octane |
| 8.2 Oil: | SAE50, W80 or W100 |
| 9. Fluid capacities: | |
| 9.1 Fuel: | Standard: 49 US gallons (48 US Gallons usable)
Optional: 24.6 US Gallons (24 US Gallons usable) |
| 9.2 Oil: | Standard: 4 US Gallons
With Optional Fuel Tanks: 5 US Gallons |
| 10. Air Speeds: | |
| Never exceed speed V_{NE} : | 214 mph IAS |
| 11. Maximum Operating Altitude: | Not defined |
| 12. All Weather Capability: | Day/Night-VFR/IFR |

B: YMF Model F5C

B.I. General

Data Sheet No.: EASA.IM.A.055	Issue: 01	Date: 23 September 2005
1. a) Type:	YMF	
b) Variant:	YMF Model F5C	
2. Airworthiness Category:	Normal	
3. Type Certificate Holder:	Waco Classic Aircraft Corporation P.O. Box 1229 Battle Creek Michigan 49016-1229 USA	
4. Manufacturer:	Waco Classic Aircraft Corporation P.O. Box 1229 Battle Creek Michigan 49016-1229 USA	
5. Certification Application Date:	12 th January 1991	
6. FAA Certification Date:	24 th June 1991	
7. EASA Certification Date:	10 th May 2005	

B.II. Certification Basis

1. Reference Date for determining the applicable requirements:	Prior to September 30, 1939
2. (Reserved)	
3. (Reserved)	
4. Certification Basis:	As defined in CRI A-01, latest Issue
6. Airworthiness Requirements:	US Department of Commerce Aeronautics Branch, Aeronautics Bulletin 7A, effective as amended January 1, 1933
6. Requirements elected to comply:	None
7. EASA Special Conditions:	None
8. EASA Exemptions:	None

9. EASA Equivalent Safety Findings: None
10. EASA Environmental Standards: ICAO, Annex 16, Volume 1, Chapter 10

B.III. Technical Characteristics and Operational Limitations

1. Type Design Definition: Waco Classic Drawing List F5DL
2. Description: Single radial engine, tailwheel biplane with metal covered steel tube fuselage and fabric covered wooden wings.
3. Equipment: Refer to Airplane Flight Manual
4. Dimensions:
- | | |
|-----------|----------------------|
| Span | 9.14 m |
| Length | 7.26 m |
| Height | 2.59 m |
| Wing Area | 21.69 m ² |
5. Engine: Jacobs R-755B2M or R-755B2
- 5.1 Engine Limits: Max allowable rotational speed 2200 r.p.m
- For other engine limits refer to AFM
6. (Reserved)
7. Propeller: Sensenich W90T6JA-72, W90T6JB-72, W90T6JA-70, W90T6JB-70, W96JA4-68 or W96JB-4-68
- 7.2 Settings: Fixed pitch
- 7.2 Diameter: Various
10. Fluids:
- 8.1 Fuel: Minimum 80 Octane
- 8.2 Oil: SAE50, W80 or W100
11. Fluid capacities:
- 9.1 Fuel: Standard: 49 US gallons (48 US Gallons usable)
Optional: 24.6 US Gallons (24 US Gallons usable)
- 9.2 Oil: Standard: 4 US Gallons
With Optional Fuel Tanks: 5 US Gallons
10. Air Speeds:
- Never exceed speed V_{NE} : 214 mph IAS
11. Maximum Operating Altitude: Not defined

12. All Weather Capability:	Day/Night-VFR/IFR
13. Maximum Masses: Take-off	2950 lb
15. Centre of Gravity Range: Forward limit	78 inches aft of datum
Rear limit:	82.5 inches aft of datum
15. Datum:	88.2 inches ahead of lower wing leading edge
16. (reserved)	
18. Levelling Means: under stabilizer	Top of upper longerons in rear cockpit or top longeron
18. Minimum Flight Crew:	1 (Pilot)
19. Maximum Passenger Seating Capacity:	2
20. (Reserved)	
21. Baggage / Cargo Compartments	
Location	Max. allowable Load
Forward Compartment	25 lb
Aft Compartment	75 lb
22. Wheels and Tyres	
Nose Wheel Tyre Size	10x3.4 4ply
Main Wheel Tyre Size	750x10 6ply

B.IV. Operating and Service Instructions

Aeroplane Flight Manual (AFM)

Report No. 91-AFM1

Aeroplane Maintenance Manual (AMM)
YMF5C

Waco Classic Aircraft Corporation Service Manual for

B.V. Notes

1. This certification applies to Serial numbers F5C040 and subsequent
2. Approved Noise Levels in accordance with:

ICAO Annex 16, Volume 1, Chapter 10: 85.8 dB(A)