European Aviation Safety Agency

EASA

TYPE-CERTIFICATE DATA SHEET

EASA.IM.A.018
Maule M-4

Type Certificate Holder:

Maule Aerospace Technology, Inc.

2099 Georgia Highway 133 South
Moultrie, Georgia 31768
USA

For models:
Bee Dee M-4, M-4, M-4C, M-4S, M-4T,
M-4-210, M-4-210C, M-4-220, M-4-220C, M-4-220S, M-4-180V
M-5-180C, M-5-210C, M-5-235C
M-6-235
M-7-235, M-7-235B, M-7-235C, MT-7-235,
MX-7-160, MX-7-180, MX-7-180A, MX-7-180B, MX-7-180C, MX-7-235,
MXT-7-160, MXT-7-180, MXT-7-180A

Issue 06: 20 May 2011

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A.I. General

1. Data Sheet No.:	IM.A.018, Issue 6
2. a) Type:	M-4
b) Model:	Bee Dee M-4
c) Variant:	Bee Dee M-4 (4 PCLM, Normal Category, FAA approved 10 Aug 1961) M-4 (4 PCLM, Normal Category, FAA approved 21 Feb 1963) M-4C (4 PCLM, Normal Category, FAA approved 7 Oct 1965, same as M-4 except for modified right fuselage truss, larger rear doors to facilitate cargo loading and othe minor changes) M-4S (4 PCLM, Normal Category, FAA approved 15 Mar 1966, same as Model M-4 except for minor changes) M-4T (2PCLM, Normal Category, FAA approved 15 Mar 1966, same as Model M-4C except no rear seats or rear door and other minor changes)
3. Airworthiness Category:	Normal Category
4. Type Certificate Holder:	Maule Aerospace Technology, Inc. 2099 Georgia Highway 133 South Moultrie, Georgia 31768 USA
5. Manufacturer:	Maule Aerospace Technology, Inc. 2099 Georgia Highway 133 South Moultrie, Georgia 31768 USA
6. Certification Application Date:	01 Nov 1957
7. (Reserved)	
8. LBA Certification Date	12 Feb 1965

A.II. EASA Certification Basis

1. Reference Date for determining the applicable requirements:	01 Nov 1957
2. Airworthiness Requirements:	CAR 3, Amdt 3-1 through 3-5 eff 15 May 1956 and 3.705 amended by 3-7

3…Special Conditions:	None
3. Exemptions:	None
4. Deviations:	None
5. Equivalent Safety Findings:	None
6. Requirements elected to comply:	-
7. Environmental Standards:	ICAO, Annex 16, Vol 1
8. (Reserved):	
9. (Reserved)	

A.III. Technical Characteristics and Operational Limitations

1. Type Design Definition:	Master Drawing List Model M-4		
2. Description:	single piston engine, four-seats, steel cage construction, high wing with conventional tail and tailwheel		
3. Equipment:	refer to AFM		
4. Dimensions:	refer to AFM		
5. Engine:			
5.1.1 Model:	Continental O-300-A or O-300-B		
5.1.2 Type Certificate:	FAA E-253		
5.1.3 Limitations:	For all operations 2700 rpm		
6. Load factors:	-		
7. Propeller:			
7.1 Model:	McCauley 1A170-DM7460 or McCauley 1C172		
7.2 Type Certificate:	FAA P-842 or P-910		
8. Fluids:			
8.1 Fuel:	80/ 87 minimum grade aviation gasoline		
8.2 Oil:	refer to AFM		
9. Fluid capacities:			
9.1 Fuel:	Standard Fuel Tank Total:		163 Litre
	Usable:		159 Litre
9.2 Oil:	Maximum:	7,5 Litre	
	Minimum:	3.5 Litre	

10. Air Speeds:

Design Manoevring Speed V_A :	109 KIAS (125 mph)
Flap Extended Speed V_{FE} :	78 KIAS (90 mph)
Maximum Structural Cruising Speed V_{NO} :	126 KIAS (145 mph)
Never Exceed Speed V_{NE} :	156 KIAS (180 mph)

11. (reserved)

12. (reserved)

13. Maximum Weights: Take-off 953 kg (2100 lbs)

14. Centre of Gravity Range: Forward limit from +38 to + 58 cm at 953 kg
From +28 to +58 cm at 635 kg

15. Datum: Wing leading edge

16. (reserved)

17. Levelling Means: levelling lug and mark on bottom side of right wing root

18. Minimum Flight Crew: 1

19. Maximum Passenger Seating Capacity: 3

20. Baggage/Cargo Compartments: 45 kg

21. (Reserved):

A.IV. Operating and Service Instructions

1. Flight Manual (AFM): Model M-4 dated 3/15/66 or later approved revision

2. Maintenance Manual (MM): MM for Model M-4

A.V. Notes:

1. This certification applies to serial numbers M-4 Series under Production Certificate 11S0
2. Additional equipment refer to AFM

3. Variants:

Model **M-4**, 4 PCLM (Normal Category), FAA Approved February 21, 1963

Model **M-4C**, 4 PCLM (Normal Category), FAA Approved October 7, 1965, Same as Model M-4 except for modified right fuselage truss, larger rear doors to facilitate cargo loading, and other minor changes.

Model **M-4S**, 4 PCLM (Normal Category), FAA Approved March 15, 1966, Same as Model M-4 except for minor changes.

Model **M-4T**, 2 PCLM (Normal Category), FAA Approved March 15, 1966, Same as Model M-4C except no rear seats or rear door and other minor changes.

SECTION B: M-4-210

B.I. General

1. Data Sheet No.:	IM.A.018, Issue 6
2. a) Type:	M-4
b) Model:	M-4-210
c) Variant:	M-4-210 (4 PCLM, Normal Category, FAA approved 24 Sep 1964) M-4-210C (4 PCLM, Normal Category, FAA approved 07 Oct 1965)
3. Airworthiness Category:	Normal Category
4. Type Certificate Holder:	Maule Aerospace Technology, Inc. 2099 Georgia Highway 133 South Moultrie, Georgia 31768 USA
5. Manufacturer:	Maule Aerospace Technology, Inc. 2099 Georgia Highway 133 South Moultrie, Georgia 31768 USA
6. Certification Application Date:	01 Nov 1957
7. (Reserved)	

B.II. EASA Certification Basis

1. Reference Date for determining the applicable requirements:	01 Nov 1957
2. Airworthiness Requirements:	CAR 3, Amdt 3-1 through 3-5 eff 15 May 1956 and 3.705 amended by 3-7
3…Special Conditions:	None
3. Exemptions:	None
4. Deviations:	None
5. Equivalent Safety Findings:	None
6. Requirements elected to comply:	-
7. Environmental Standards:	ICAO, Annex 16, Vol 1

8. (Reserved):
9. (Reserved)

B.III. Technical Characteristics and Operational Limitations

1. Type Design Definition:	Master Drawing List Model M-4-210	
2. Description:	single piston engine, four-seats, steel cage construction, high wing with conventional tail and tailwheel	
3. Equipment:	refer to AFM	
4. Dimensions:	refer to AFM	
5. Engine:		
5.1.1 Model:	Continental IO-360-A Continental IO-360-D for s/n 1086C and up	
5.1.2 Type Certificate:	EASA.IM.E.005 (FAA E1CE)	
5.1.3 Limitations:	IO-360-A:	Maximum continuous hp, rpm, in. Hg. alt. Critical altitude 195-2800-26.2-2250 ft. Sea level 195-2800-26.5 Takeoff hp (5 min.) 210-2800 F.T.
	IO-360-D:	F.T. all operations 210 hp - 2800 rpm
6. Load factors:	-	
7. Propeller:		
7.1 Model:	McCauley D2A3467/76C-2 (used on A) McCauley D2A34C67N/S76C-2 (used on A or D)	
7.2 Type Certificate:	FAA P7EA	
8. Fluids:		
8.1 Fuel:	100/100LL minimum grade aviation gasoline	
8.2 Oil:	refer to AFM	
9. Fluid capacities:		
9.1 Fuel:	Standard Fuel Tank Total:	1683 Litre
	Usable:	151,5 Litre
9.2 Oil:	Maximum: 9,5 Litre	
10. Air Speeds:	Design Manoevring Speed V_A:	109 KIAS (125 mph)
	Flap Extended Speed V_{FE}:	78 KIAS (90 mph)
	Maximum Structural Cruising Speed V_{NO}:	126 KIAS (145 mph)
	Never Exceed Speed V_{NE}:	156 KIAS (180 mph)

11. (reserved)

12. (reserved)

13. Maximum Weights:	Take-off	953 kg (2100 lbs)
14. Centre of Gravity Range:	Forward limit	from +38 to + 58 cm at 953 kg From +28 to +58 cm at 635 kg
15. Datum:	Wing leading edge	
16. (reserved)		
17. Levelling Means:	levelling lug and mark on bottom side of right wing root	
18. Minimum Flight Crew:	1	
19. Maximum Passenger Seating Capacity:	3	
20. Baggage/Cargo Compartments:	113 kg	
21. (Reserved):		

B.IV. Operating and Service Instructions

1. Flight Manual (AFM): Model M-4-210 dated 9/12/64 or later approved revision

2. Maintenance Manual (MM): MM for Model M-4-210

B.V. Notes:

1. This certification applies to serial numbers M-4-210 Series under Production Certificate 11S0
2. Additional equipment refer to AFM
3. Variants: Model **M-4-210C**, 4 PCLM (Normal Category), FAA Approved October 7, 1965

SECTION C: MODEL M-4-220

C.I. General

1. Data Sheet No.:	IM.A.018, Issue 6
2. a) Type:	M-4
b) Model:	M-4-220
c) Variant:	M-4-220 (4 PCLM, Normal Category, FAA approved 18 Oct 1966) M-4-220C (4 PCLM, Normal Category, FAA approved 18 Oct 1966) M-4-220S (4 PCLM, Normal Category, FAA approved 18 Oct 1966)
3. Airworthiness Category:	Normal Category
4. Type Certificate Holder:	Maule Aerospace Technology, Inc. 2099 Georgia Highway 133 South Moultrie, Georgia 31768 USA
5. Manufacturer:	Maule Aerospace Technology, Inc. 2099 Georgia Highway 133 South Moultrie, Georgia 31768 USA
6. Certification Application Date:	01 Nov 1957
7. (Reserved)	
8. LFV Certification Date	9 May 1968

C.II. EASA Certification Basis

1. Reference Date for determining the applicable requirements:	01 Nov 1957
2. Airworthiness Requirements:	CAR 3, Amdt 3-1 through 3-5 eff 15 May 1956 and 3.705 amended by 3-7
3…Special Conditions:	None
3. Exemptions:	None
4. Deviations:	None
5. Equivalent Safety Findings:	None
6. Requirements elected to	-

comply:

7. Environmental Standards: ICAO, Annex 16, Vol 1
8. (Reserved):
9. (Reserved)

C.III. Technical Characteristics and Operational Limitations

1. Type Design Definition:	Master Drawing List Model M-4-220		
2. Description:	single piston engine, four-seats, steel cage construction, high wing with conventional tail and tailwheel		
3. Equipment:	refer to AFM		
4. Dimensions:	refer to AFM		
5. Engine:			
5.1.1 Model:	Franklin 6A-350-C1		
5.1.2 Type Certificate:	EASA.E.088		
5.1.3 Limitations:	Takeoff (5 min)	2800 rpm	
	For all other operation	2800 rpm at 26.5 in.hg.	
6. Load factors:	-		
7. Propeller:			
7.1 Model:	McCauley 2A31C21/84S-8 or -6		
	McCauley 2A34C22-N/S84SF-6 or -8		
7.2 Type Certificate:	FAA P-919 or P3EA		
8. Fluids:			
8.1 Fuel:	100/100LL minimum grade aviation gasoline		
8.2 Oil:	refer to AFM		
9. Fluid capacities:			
9.1 Fuel:	Standard Fuel Tank Total:	163 Litre	
	Usable:	151,5 Litre	
9.2 Oil:	Maximum: 9,5 Litre		
10. Air Speeds:	Design Manoevring Speed V_A:	109 KIAS (125 mph)	
	Flap Extended Speed V_{FE}:	78 KIAS (90 mph)	
	Maximum Structural Cruising Speed V_{NO}:	126 KIAS (145 mph)	
	Never Exceed Speed V_{NE}:	156 KIAS (180 mph)	

11. (reserved)

12. (reserved)

13. Maximum Weights:	Take-off	1043 kg (2300 lbs)
14. Centre of Gravity Range:	Forward limit	from +40 to + 48 cm at 1043 kg From +28 to +58 cm at 953 kg
15. Datum:	Wing leading edge	
16. (reserved)		
17. Levelling Means:	levelling lug and mark on bottom side of right wing root	
18. Minimum Flight Crew:	1	
19. Maximum Passenger Seating Capacity:	3	
20. Baggage/Cargo Compartments:	45 kg	
21. (Reserved):		

C.IV. Operating and Service Instructions

1. Flight Manual (AFM): Model M-4-220 dated 9/28/66 or later approved revision

2. Maintenance Manual (MM): MM for Model M-4

C.V. Notes:

1. This certification applies to serial numbers M-4-220 Series under Production Certificate 11S0
2. Additional equipment refer to AFM
3. Variants:

   Model **M-4-220C**, 4 PCLM (Normal Category), FAA approved 18 Oct 1966
   Model **M-4-220S**, 4 PCLM (Normal Category), FAA approved 18 Oct 1966

SECTION D: MODEL M-4-180V

D.I. General

1. Data Sheet No.:	IM.A.018, Issue 6
2. a) Type:	M-4
b) Model:	M-4-180V (2PCLM, Normal Category, FAA approved 06 Sep 2005)
c) Variant:	-
3. Airworthiness Category:	Normal Category
4. Type Certificate Holder:	Maule Aerospace Technology, Inc. 2099 Georgia Highway 133 South Moultrie, Georgia 31768 USA
5. Manufacturer:	Maule Aerospace Technology, Inc. 2099 Georgia Highway 133 South Moultrie, Georgia 31768 USA
6. Certification Application Date:	01 Nov 1957
7. (Reserved)	
8. EASA Certification Date	24 Jan 2006

D.II. EASA Certification Basis

1. Reference Date for determining the applicable requirements:	01 Nov 1957
2. Airworthiness Requirements:	CAR 3, Amdt 3-1 through 3-5 eff 15 May 1956 and CS23.955
3…Special Conditions:	None
3. Exemptions:	None
4. Deviations:	None
5. Equivalent Safety Findings:	None
6. Requirements elected to comply:	-
7. Environmental Standards:	ICAO, Annex 16, Vol 1
8. (Reserved):	

9. (Reserved)

D.III. Technical Characteristics and Operational Limitations

1.	Type Design Definition:	Master Drawing List Model M-4-180V
2.	Description:	single piston engine, two-seats, steel cage construction, high wing with conventional tail and tailwheel
3.	Equipment:	refer to AFM
4.	Dimensions:	refer to AFM
5.	Engine:	
5.1.1	Model:	Lycoming O-360-C1F or O-360-C4F
5.1.2	Type Certificate:	FAA E-286
5.1.3	Limitations:	2700 rpm full throttle continuous
6.	Load factors:	-
7.	Propeller:	
7.1	Model:	1. Hartzell constant speed HC-C2YR-1BF/F7666A (only on O-360-C1F) Avoid continuous operations between 2000 and 2250 rpm 2. Sensenich fixed pitch 76EM8S5-0-56 or 76EM8S8-0-56 Diameter not over and under 76 in. No further reduction permitted. Static rpm at full throttle: Not over 2500 rpm, not under 2400 rpm For O-360-C1F (modified) avoid continuous operation between 2150 rpm and 2350 rpm
7.2	Type Certificate:	EASA.IM.P.130 or FAA P4EA
8.	Fluids:	
8.1	Fuel:	100/100LL minimum grade aviation gasoline
8.2	Oil:	refer to AFM
9.	Fluid capacities:	
9.1	Fuel:	Standard Fuel Tank Total: 180,2 Litre Usable: 162,8 Litre Optional wing aux Tank: Total: 113,6 Litre
9.2	Oil:	Maximum: 9,5 Litre

10. Air Speeds:	Design Manoevring Speed V_A :	109 KIAS (125 mph)
	Flap Extended Speed V_{FE} :	83 KIAS (95 mph)
	Maximum Structural Cruising Speed V_{NO} :	128 KIAS (147 mph)
	Never Exceed Speed V_{NE} :	158 KIAS (182 mph)
11. (reserved)		
12. (reserved)		
13. Maximum Weights:	Take-off	1043 kg (2300 lbs)
14. Centre of Gravity Range:	Forward limit from +40 to + 48 cm at 1043 kg From +28 to +48 cm at 680 kg or less	
15. Datum:	Wing leading edge	
16. (reserved)		
17. Levelling Means:	levelling lug and mark on bottom side of right wing root	
18. Minimum Flight Crew:	1	
19. Maximum Passenger Seating Capacity:	1	
20. Baggage/Cargo Compartments:	77 kg at +50,8, 91 kg at +137 cm	
21. (Reserved):		

D.IV. Operating and Service Instructions

Airplane Flight Manual (AFM)	Model M-4-180V dated 9 Jun 2005 or later approved revision
Maintenance Manual (MM)	MM for Model M-4-180V

D.V. Notes:

1. This certification applies to serial numbers M-4-180V Series under Production Certificate 11S0
2. Additional equipment refer to AFM

SECTION E: MODEL M-5-180C

E.I. General

1. Data Sheet No.:	IM.A.018, Issue 6
2. a) Type:	M-4
b) Model:	M-5-180C (4PCLM, Normal Category, FAA approved 19 Apr 1979
c) Variant:	-
3. Airworthiness Category:	Normal Category
4. Type Certificate Holder:	Maule Aerospace Technology, Inc. 2099 Georgia Highway 133 South Moultrie, Georgia 31768 USA
5. Manufacturer:	Maule Aerospace Technology, Inc. 2099 Georgia Highway 133 South Moultrie, Georgia 31768 USA
6. Certification Application Date:	01 Nov 1957
7. (Reserved)	
8. DGAC Certification Date	09 May 1980

E.II. EASA Certification Basis

1. Reference Date for determining the applicable requirements:	01 Nov 1957
2. Airworthiness Requirements:	CAR 3, Amdt 3-1 through 3-5 eff 15 May 1956 and 3.705 amended by 3-7
3…Special Conditions:	None
3. Exemptions:	None
4. Deviations:	None
5. Equivalent Safety Findings:	None
6. Requirements elected to comply:	-
7. Environmental Standards:	ICAO, Annex 16, Vol 1
8. (Reserved):	

9. (Reserved)

E.III. Technical Characteristics and Operational Limitations

1. Type Design Definition:	Master Drawing List Model M-5-180C	
2. Description:	single piston engine, four-seats, steel cage construction, high wing with conventional tail and tailwheel	
3. Equipment:	refer to AFM	
4. Dimensions:	refer to AFM	
5. Engine:		
5.1.1 Model:	Lycoming O-360-C1F	
5.1.2 Type Certificate:	FAA E-286	
5.1.3 Limitations:	For all operations 2700 rpm	
6. Load factors:	-	
7. Propeller:		
7.1 Model:	Hartzell constant speed HC-C2YR-1BF/F7666A Avoid continuous operations between 2000 and 2250 rpm	
7.2 Type Certificate:	EASA.IM.P.130	
8. Fluids:		
8.1 Fuel:	100/100LL minimum grade aviation gasoline	
8.2 Oil:	refer to AFM	
9. Fluid capacities:		
9.1 Fuel:	Standard Fuel Tank Total:	163 Litre
	Usable:	151,5 Litre
9.2 Oil:	Maximum: 9,5 Litre	
10. Air Speeds:	Design Manoevring Speed V_A:	109 KIAS (125 mph)
	Flap Extended Speed V_{FE}:	78 KIAS (90 mph)
	Maximum Structural Cruising Speed V_{NO}:	126 KIAS (145 mph)
	Never Exceed Speed V_{NE}:	156 KIAS (180 mph)

11. (reserved)

12. (reserved)

13. Maximum Weights:	Take-off	1043 kg (2300 lbs)
14. Centre of Gravity Range:	Forward limit	from +42 to + 52 cm at 1043 kg From +32 to +52 cm at 726kg or less
15. Datum:	Wing leading edge	
16. (reserved)		
17. Levelling Means:	levelling lug and mark on bottom side of right wing root	
18. Minimum Flight Crew:	1	
19. Maximum Passenger Seating Capacity:	3	
20. Baggage/Cargo Compartments:	77 kg at +50,8, 158 kg at +107, 113 kg at +178	
21. (Reserved):		

E.IV. Operating and Service Instructions

Airplane Flight Manual (AFM)	Model M-5-180C dated 10/20/70 or later approved revision
Maintenance Manual (MM)	MM for Model M-5-180C

E.V. Notes:

1. This certification applies to serial numbers M-5-180C Series under Production Certificate 11S0
2. Additional equipment refer to AFM

SECTION F: MODEL M-5-210C

F.I. General

1. Data Sheet No.:	IM.A.018, Issue 6
2. a) Type:	M-4
b) Model:	M-5-210C (4PCLM, Normal Category, FAA approved 28 Dec 1973
c) Variant:	-
3. Airworthiness Category:	Normal Category
4. Type Certificate Holder:	Maule Aerospace Technology, Inc. 2099 Georgia Highway 133 South Moultrie, Georgia 31768 USA
5. Manufacturer:	Maule Aerospace Technology, Inc. 2099 Georgia Highway 133 South Moultrie, Georgia 31768 USA
6. Certification Application Date:	01 Nov 1957
7. (Reserved)	
8. LBA Certification Date	28 Jun 1976

F.II. EASA Certification Basis

1. Reference Date for determining the applicable requirements:	01 Nov 1957
2. Airworthiness Requirements:	CAR 3, Amdt 3-1 through 3-5 eff 15 May 1956 and 3.705 amended by 3-7
3…Special Conditions:	None
3. Exemptions:	None
4. Deviations:	None
5. Equivalent Safety Findings:	None
6. Requirements elected to comply:	-
7. Environmental Standards:	ICAO, Annex 16, Vol 1
8. (Reserved):	

9. (Reserved)

F.III. Technical Characteristics and Operational Limitations

1. Type Design Definition:	Master Drawing List Model M-5-210C	
2. Description:	single piston engine, four-seats, steel cage construction, high wing with conventional tail and tailwheel	
3. Equipment:	refer to AFM	
4. Dimensions:	refer to AFM	
5. Engine:		
5.1.1 Model:	Lycoming IO-360-D	
5.1.2 Type Certificate:	FAA 1E10	
5.1.3 Limitations:	For all operations 2800 rpm	
6. Load factors:	-	
7. Propeller:		
7.1 Model:	Mc Cauley constant speed D2A34C67N/S76C-2 Diameter 74 in., no further reduction permitted	
7.2 Type Certificate:	FAA P7EA	
8. Fluids:		
8.1 Fuel:	100/100LL minimum grade aviation gasoline	
8.2 Oil:	refer to AFM	
9. Fluid capacities:		
9.1 Fuel:	Standard Fuel Tank Total:	163 Litre
	Usable:	151,5 Litre
9.2 Oil:	Maximum: 8,3 Litre	
	Minimum: 5,8 Litre	
10. Air Speeds:	Design Manoevring Speed V_A:	109 KIAS (125 mph)
	Flap Extended Speed V_{FE}:	82 KIAS (94 mph)
	Maximum Structural Cruising Speed V_{NO}:	126 KIAS (145 mph)
	Never Exceed Speed V_{NE}:	156 KIAS (180 mph)

11. (reserved)

12. (reserved)

13. Maximum Weights:	Take-off	1043 kg (2300 lbs)
14. Centre of Gravity Range:	Forward limit	from +42 to + 52 cm at 1043 kg From +32 to +52 cm at 726kg or less
15. Datum:	Wing leading edge	
16. (reserved)		
17. Levelling Means:	levelling lug and mark on bottom side of right wing root	
18. Minimum Flight Crew:	1	
19. Maximum Passenger Seating Capacity:	3	
20. Baggage/Cargo Compartments:	77 kg at +50,8, 158 kg at +107, 113 kg at +178	
21. (Reserved):		

F.IV. Operating and Service Instructions

Airplane Flight Manual (AFM)	Model M-5-210C dated 28 Dec 1973 or later approved revision
Maintenance Manual (MM)	MM for Model M-5-210C

F.V. Notes:

3. This certification applies to serial numbers M-5-210C, 6001C and up, under Production Certificate 11S0
4. Additional equipment refer to AFM

SECTION G: MODEL M-5-235C

G.I. General

1. Data Sheet No.:	IM.A.018, Issue 6
2. a) Type:	M-4
b) Model:	M-5-235C (4PCLM, Normal Category, FAA approved 6 Apr 1976
c) Variant:	-
3. Airworthiness Category:	Normal Category
4. Type Certificate Holder:	Maule Aerospace Technology, Inc. 2099 Georgia Highway 133 South Moultrie, Georgia 31768 USA
5. Manufacturer:	Maule Aerospace Technology, Inc. 2099 Georgia Highway 133 South Moultrie, Georgia 31768 USA
6. Certification Application Date:	01 Nov 1957
7. (Reserved)	
8. LFV Certification Date	28 Jun 1976

G.II. EASA Certification Basis

1. Reference Date for determining the applicable requirements:	01 Nov 1957
2. Airworthiness Requirements:	CAR 3, Amdt 3-1 through 3-5 eff 15 May 1956 and 3.705 amended by 3-7
3…Special Conditions:	None
3. Exemptions:	None
4. Deviations:	None
5. Equivalent Safety Findings:	None
6. Requirements elected to comply:	-
7. Environmental Standards:	ICAO, Annex 16, Vol 1
8. (Reserved):	

9. (Reserved)

G.III. Technical Characteristics and Operational Limitations

1.	Type Design Definition:	Master Drawing List Model M-5-235C
2.	Description:	single piston engine, four-seats, steel cage construction, high wing with conventional tail and tailwheel
3.	Equipment:	refer to AFM
4.	Dimensions:	refer to AFM
5.	Engine:	
5.1.1	Model:	Lycoming O-540-J1A5D, O-540-J3A5, IO-540-W1A5D, IO-540-W1A5 or O-540-B4B5
5.1.2	Type Certificate:	FAA E-295 or 1E4
5.1.3	Limitations:	For all operation 2400 rpm (O-540-J/IO-540-W) For all operation 2575 rpm (O-540-B)
6.	Load factors:	-
7.	Propeller: (see Notes)	
7.1	Model:	Hartzell constant speed HC-C2YR-1BF/F8468A-6R or -3R Hartzell constant speed HC-C2YR-1BF/F8477D-6 Hartzell constant speed HC-C3YR-1RF/F7693(F)-() McCauley constant speed B3D32C414-C/G-82NDA-2 o -4 McCauley constant speed B3D37C224-B/G-90RA-9
7.2	Type Certificate:	EASA.IM.P.130 or FAA P25EA or FAA P58GL
8.	Fluids:	
8.1	Fuel:	100/100LL minimum grade aviation gasoline
8.2	Oil:	refer to AFM
9.	Fluid capacities:	
9.1	Fuel:	Standard Fuel Tank Total: 163 Litre Usable: 151,5 Litre
9.2	Oil:	IO-540: Maximum: 7,8 Litre, Minimum: 5,0 Litre O-540: Maximum: 11,8 Litre, Minimum: 8,9 Litre
10.	Air Speeds:	Design Manoevring Speed V_A: 109 KIAS (125 mph) Flap Extended Speed V_{FE}: 82 KIAS (94 mph) Maximum Structural Cruising Speed V_{NO}: 126 KIAS (145 mph) Never Exceed Speed V_{NE}: 156 KIAS (180 mph)

11. (reserved)

12. (reserved)

13. Maximum Weights:	Take-off	1043 kg (2300 lbs)
14. Centre of Gravity Range:	Forward limit	from +42 to + 52 cm at 1043 kg From +32 to +52 cm at 726kg or less
15. Datum:	Wing leading edge	
16. (reserved)		
17. Levelling Means:	levelling lug and mark on bottom side of right wing root	
18. Minimum Flight Crew:	1	
19. Maximum Passenger Seating Capacity:	3	
20. Baggage/Cargo Compartments:	77 kg at +50,8, 158 kg at +107, 113 kg at +178	
21. (Reserved):		

G.IV. Operating and Service Instructions

Airplane Flight Manual (AFM)

Model M-5-235C or later revision as defined
Model **M-5-235C**, s/n 7001C-7026C, 7028C, 7030C-7032C, 7037C, AFM dated 4/6/76, with expanded C.G. limits per Maule SL#36, rev. B dated 11/6/80; s/n 7027C, 7029C, 7033C-7036C, 7038C-7248C, 7250C-7320C, 7322C-7346C, 7348C, 7349C, AFM dated 4/6/76 with rev. B dated 11/6/80; s/n 7350C, 7352C-7355C, 7357C-7362C, 7364C-7367C, AFM dated 4/6/76 with rev. C dated 4/22/81; s/n 7321C, 7347C, 7351C, 7363C, 7369C-7373C, 7375C, 7445C, 7451C, 7460C, 7467C, AFM dated 8/12/81 with rev. A dated 5/1/84.

Note: AFMs dated 4/6/76 must have AFM Supplement #13 attached. AFM Dated 1/13/86 for s/n 7470C, 7478C-7480C, 7484C-7487C, 7515C

Maintenance Manual (MM) MM for Model M-5-235C

G.V. Notes:

1. This certification applies to serial numbers M-5-235C, 6001C and up, under Production Certificate 11S0
2. Additional equipment refer to AFM

3. Propeller and Propeller limits:

Hartzell constant speed model HC-C2YR-1BF/F8468A-6R or -3R
(-3R use with 7:00 tires or larger/26 psi minimum air pressure.)
Hartzell constant speed 2 blade model HC-C2YR-1BF/F8477D-6
(Use with O-540-J3A5 or O-540-B4B5 engine only)
Hartzell constant speed 3 blade model HC-C3YR-1RF/F7693(F)-( )
(Use with O-540-J3A5, O-540-B4B5, IO-540-W1A5D or IO-540-W1A5 engines only)
Diameter: -3R: Not over 81 in.; not under 77 in.
-6R: Not over 78 in.; not under 77 in.
F8477D-6 or F7693(F)-( ): Not over 78 in.; not under 76 in.
Pitch settings at 30" sta.:
-3R: low 16º +1º high 30º +1º (O-540-J1A5D, O-540-J3A5, IO-540-W1A5D or IO-540-W1A5 engines)
low 13.8º +1º high 30º +1º (O-540-B4B5 engine)
-6R: low 16.7º +1º high 30º +1º (O-540-J1A5D, O-540-J3A5, IO-540-W1A5D or IO-540-W1A5 engines)
low 14.3º +1º high 30º +1º (O-540-B4B5 engine)
F8477D-6: low 16.7º +1º high 30º +1º (O-540-J3A5 engine)
low 14.3º +1º high 30º +1º (O-540-B4B5 engine)
F7693(F)-( ): low 14.2º +1º high 31º +1º (O-540-J3A5, IO-540-W1A5 or IO-540-W1A5D engines)
low 12.5º +1º high 31º +1º (O-540-B4B5 engine)
-6R: Do not exceed 23 in. M.P. below 2050 rpm.
McCauley constant speed 3-blade model B3D32C414-C/G-82NDA-2 or -4*
(-2 use with 7:00 tires or larger)
McCauley constant speed 2-blade model B2D37C224-B/G-90RA-9**
(-9 use with 7:00 tires or larger/26 psi minimum air pressure.)
Diameter: -2: not over 80 in.; not under 76 in.
-4: not over 78 in.; not under 76 in.
-9: not over 81 in.; not under 78 in.
Pitch settings at 30" sta.:
-2 (80"): low 15.0º +0.2º high 30.0º +0.5º (O-540-J1A5D, O-540-J3A5, IO-540-W1A5D or IO-540-W1A5
engines)
low 13.3º +0.2º high 30.0º +0.5º (O-540-B4B5 engine)
-4 (78"): low 15.7º +0.2º high 30.0º +0.5º (O-540-J1A5D, O-540-J3A5, IO-540-W1A5D or IO-540-W1A5
engines)
low 14.0º +0.2º high 30.0º +0.5º (O-540-B4B5 engine)
-9 (81"): low 14.7º +0.2º high 24.6º +0.5º (O-540-J1A5D, O-540-J3A5, IO-540-W1A5D or IO-540-W1A5
engines)
low 13.3º +0.2º high 24.6º +0.5º (O-540-B4B5 engine)
Spinner: Hartzell spinner assembly A2298-2 (use with Hartzell propeller only)
McCauley spinner assembly D-6240 (use with McCauley 3-blade propeller only)
McCauley spinner assembly D-6195 (use with McCauley 2-blade propeller only)
Governor: Woodward F210681*** or B210761 (O-540-J1A5D, O-540-J3A5, IO-540-W1A5D or IO-540-W1A5 only);
E210761 (O-540-B4B5 only)
McCauley C290D3(X)/T30 or DC290D1(X)/T14 (O-540-J1A5D, O-540-J3A5, IO-540-W1A5D or IO-540-W1A5 only);
C290D3(X)/T31 or DC290D1(X)/T15 (O-540-B4B5 only)

* McCauley B3D32C414-C/G-82NDA-4 not approved for installation on M-5-235C with O-540-J1A5D,
O-540-J3A5, IO-540-W1A5D or IO-540-W1A5 engines.
** McCauley B2D37C224-B/G-90RA-9 not approved for installation on M-5-235C, M-6-235, M-7-235, MX-7-235
with O-540-B4B5 engines.
*** For Woodward Governor F210681 on M-5-235C refer to AD#81-25-01 for eligible serial numbers.

SECTION H: MODEL M-6-235

H.I. General

1. Data Sheet No.:	IM.A.018, Issue 6
2. a) Type:	M-4
b) Model:	M-6-235 (4PCLM, Normal Category, FAA approved 25 Jun 1981
c) Variant:	-
3. Airworthiness Category:	Normal Category
4. Type Certificate Holder:	Maule Aerospace Technology, Inc. 2099 Georgia Highway 133 South Moultrie, Georgia 31768 USA
5. Manufacturer:	Maule Aerospace Technology, Inc. 2099 Georgia Highway 133 South Moultrie, Georgia 31768 USA
6. Certification Application Date:	01 Nov 1957
7. (Reserved)	
8. LBA Certification Date	04 May 1988

H.II. EASA Certification Basis

1. Reference Date for determining the applicable requirements:	01 Nov 1957
2. Airworthiness Requirements:	CAR 3, Amdt 3-1 through 3-5 eff 15 May 1956 and 3.705 amended by 3-7, additional FAR 23.955 instead of CAR3 .435
3…Special Conditions:	None
3. Exemptions:	None
4. Deviations:	None
5. Equivalent Safety Findings:	None
6. Requirements elected to comply:	-
7. Environmental Standards:	ICAO, Annex 16, Vol 1
8. (Reserved):	

9. (Reserved)

H.III. Technical Characteristics and Operational Limitations

1.	Type Design Definition:	Master Drawing List Model M-6-235
2.	Description:	single piston engine, four-seats (optional five-seats), steel cage construction, high wing with conventional tail and tailwheel
3.	Equipment:	refer to AFM
4.	Dimensions:	refer to AFM
5.	Engine:	
5.1.1	Model:	Lycoming O-540-J1A5D, O-540-J3A5, IO-540-W1A5D, IO-540-W1A5 or O-540-B4B5
5.1.2	Type Certificate:	FAA E-295 or 1E4
5.1.3	Limitations:	For all operation 2400 rpm (O-540-J/IO-540-W) For all operation 2575 rpm (O-540-B)
6.	Load factors:	-
7.	Propeller:	
7.1	Model:	Hartzell constant speed HC-C2YR-1BF/F8468A-6R or -3R Hartzell constant speed HC-C2YR-1BF/F8477D-6 Hartzell constant speed HC-C3YR-1RF/F7693(F)-() McCauley constant speed B3D32C414-C/G-82NDA-2 o -4 McCauley constant speed B3D37C224-B/G-90RA-9
7.2	Type Certificate:	EASA.IM.P.130 or FAA P25EA or FAA P58GL
8.	Fluids:	
8.1	Fuel:	100/100LL minimum grade aviation gasoline
8.2	Oil:	refer to AFM
9.	Fluid capacities:	
9.1	Fuel:	Standard Fuel Tank Total: 163 Litre Usable: 151,5 Litre
9.2	Oil:	IO-540: Maximum: 7,8 Litre, Minimum: 5,0 Litre O-540: Maximum: 11,8 Litre, Minimum: 8,9 Litre
10.	Air Speeds:	Design Manoevring Speed V_A: 109 KIAS (125 mph) Flap Extended Speed V_{FE}: 82 KIAS (94 mph) Maximum Structural Cruising Speed V_{NO}: 126 KIAS (145 mph) Never Exceed Speed V_{NE}: 156 KIAS (180 mph)

11. (reserved)

12. (reserved)

13. Maximum Weights:	Take-off	1134 kg (2500 lbs)
14. Centre of Gravity Range:	Forward limit	from +38 to + 52 cm at 1134 kg From +28 to +52 cm at 771kg or less
15. Datum:	Wing leading edge	
16. (reserved)		
17. Levelling Means:	levelling lug and mark on bottom side of right wing root	
18. Minimum Flight Crew:	1	
19. Maximum Passenger Seating Capacity:	3 (optional 4)	
20. Baggage/Cargo Compartments:	77 kg at +50,8, 158 kg at +107, 113 kg at +178	
21. (Reserved):		

H.IV. Operating and Service Instructions

Airplane Flight Manual (AFM)
Model **M-6-235**, AFM dated 6/25/81, rev. I dated 6/10/94 for s/n 7249C, 7356C, 7379C-7465C; AFM dated 5/23/85, rev. B dated 6/10/94 for s/n 7466C, 7468C-7473C; AFM dated 2/19/87, rev. C dated 3/3/95 for s/n 7474C and up

Maintenance Manual (MM) MM for Model M-6-235

H.**V.** Notes:

1. This certification applies to serial numbers M-6-235, s/n 7249C, 7356C, 7379C-7444C, 7446C-7450C, 7452C-7459C, 7461C-7466C, 7468C, 7469C, 7471C-7475C, 7488C-7514C, 7516C-7519C and up, under Production Certificate 11S0
2. Additional equipment refer to AFM
3. Propeller and Propeller limits:

Hartzell constant speed model HC-C2YR-1BF/F8468A-6R or -3R
(-3R use with 7:00 tires or larger/26 psi minimum air pressure.)
Hartzell constant speed 2 blade model HC-C2YR-1BF/F8477D-6
(Use with O-540-J3A5 or O-540-B4B5 engine only)
Hartzell constant speed 3 blade model HC-C3YR-1RF/F7693(F)-( )
(Use with O-540-J3A5, O-540-B4B5, IO-540-W1A5D or IO-540-W1A5 engines only)
Diameter: -3R: Not over 81 in.; not under 77 in.
-6R: Not over 78 in.; not under 77 in.
F8477D-6 or F7693(F)-( ): Not over 78 in.; not under 76 in.
Pitch settings at 30" sta.:
-3R: low 16º +1º high 30º +1º (O-540-J1A5D, O-540-J3A5, IO-540-W1A5D or IO-540-W1A5 engines)
low 13.8º +1º high 30º +1º (O-540-B4B5 engine)
-6R: low 16.7º +1º high 30º +1º (O-540-J1A5D, O-540-J3A5, IO-540-W1A5D or IO-540-W1A5 engines)
low 14.3º +1º high 30º +1º (O-540-B4B5 engine)
F8477D-6: low 16.7º +1º high 30º +1º (O-540-J3A5 engine)
low 14.3º +1º high 30º +1º (O-540-B4B5 engine)
F7693(F)-( ): low 14.2º +1º high 31º +1º (O-540-J3A5, IO-540-W1A5 or IO-540-W1A5D engines)
low 12.5º +1º high 31º +1º (O-540-B4B5 engine)
-6R: Do not exceed 23 in. M.P. below 2050 rpm.
McCauley constant speed 3-blade model B3D32C414-C/G-82NDA-2 or -4*
(-2 use with 7:00 tires or larger)
McCauley constant speed 2-blade model B2D37C224-B/G-90RA-9**
(-9 use with 7:00 tires or larger/26 psi minimum air pressure.)
Diameter: -2: not over 80 in.; not under 76 in.
-4: not over 78 in.; not under 76 in.
-9: not over 81 in.; not under 78 in.
Pitch settings at 30" sta.:
-2 (80"): low 15.0º +0.2º high 30.0º +0.5º (O-540-J1A5D, O-540-J3A5, IO-540-W1A5D or IO-540-W1A5
engines)
low 13.3º +0.2º high 30.0º +0.5º (O-540-B4B5 engine)
-4 (78"): low 15.7º +0.2º high 30.0º +0.5º (O-540-J1A5D, O-540-J3A5, IO-540-W1A5D or IO-540-W1A5
engines)
low 14.0º +0.2º high 30.0º +0.5º (O-540-B4B5 engine)
-9 (81"): low 14.7º +0.2º high 24.6º +0.5º (O-540-J1A5D, O-540-J3A5, IO-540-W1A5D or IO-540-W1A5
engines)
low 13.3º +0.2º high 24.6º +0.5º (O-540-B4B5 engine)
Spinner: Hartzell spinner assembly A2298-2 (use with Hartzell propeller only)
McCauley spinner assembly D-6240 (use with McCauley 3-blade propeller only)
McCauley spinner assembly D-6195 (use with McCauley 2-blade propeller only)
Governor: Woodward F210681*** or B210761 (O-540-J1A5D, O-540-J3A5, IO-540-W1A5D or IO-540-W1A5 only);
E210761 (O-540-B4B5 only)
McCauley C290D3(X)/T30 or DC290D1(X)/T14 (O-540-J1A5D, O-540-J3A5, IO-540-W1A5D or IO-540-W1A5 only);
C290D3(X)/T31 or DC290D1(X)/T15 (O-540-B4B5 only)

* McCauley B3D32C414-C/G-82NDA-4 not approved for installation on M-5-235C with O-540-J1A5D,
O-540-J3A5, IO-540-W1A5D or IO-540-W1A5 engines.
** McCauley B2D37C224-B/G-90RA-9 not approved for installation on M-5-235C, M-6-235, M-7-235, MX-7-235
with O-540-B4B5 engines.
*** For Woodward Governor F210681 on M-5-235C refer to AD#81-25-01 for eligible serial numbers.

SECTION J: MODEL M-7-235

J.I. General

1. Data Sheet No.:	IM.A.018, Issue 6
2. a) Type:	M-4
b) Model:	M-7-235 (5PCLM, Normal Category, FAA approved 09 Nov 1983
c) Variant:	-
3. Airworthiness Category:	Normal Category
4. Type Certificate Holder:	Maule Aerospace Technology, Inc. 2099 Georgia Highway 133 South Moultrie, Georgia 31768 USA
5. Manufacturer:	Maule Aerospace Technology, Inc. 2099 Georgia Highway 133 South Moultrie, Georgia 31768 USA
6. Certification Application Date:	01 Nov 1957
7. (Reserved)	
8. LBA Certification Date	04 May 1988

J.II. EASA Certification Basis

1. Reference Date for determining the applicable requirements:	01 Nov 1957
2. Airworthiness Requirements:	CAR 3, Amdt 3-1 through 3-5 eff 15 May 1956 and 3.705 amended by 3-7, additional FAR 23.955 instead of CAR3 .435
3…Special Conditions:	None
3. Exemptions:	None
4. Deviations:	None
5. Equivalent Safety Findings:	None
6. Requirements elected to comply:	-
7. Environmental Standards:	ICAO, Annex 16, Vol 1
8. (Reserved):	

9. (Reserved)

J.III. Technical Characteristics and Operational Limitations

1.	Type Design Definition:	Master Drawing List Model M-7-235
2.	Description:	single piston engine, five-seats, steel cage construction, high wing with conventional tail and tailwheel
3.	Equipment:	refer to AFM
4.	Dimensions:	refer to AFM
5.	Engine:	
5.1.1	Model:	Lycoming O-540-J1A5D, O-540-J3A5, IO-540-W1A5D, IO-540-W1A5 or O-540-B4B5
5.1.2	Type Certificate:	FAA E-295 or 1E4
5.1.3	Limitations:	For all operation 2400 rpm (O-540-J/IO-540-W) For all operation 2575 rpm (O-540-B)
6.	Load factors:	-
7.	Propeller:	
7.1	Model:	Hartzell constant speed HC-C2YR-1BF/F8468A-6R or -3R Hartzell constant speed HC-C2YR-1BF/F8477D-6 Hartzell constant speed HC-C3YR-1RF/F7693(F)-() McCauley constant speed B3D32C414-C/G-82NDA-2 o -4 McCauley constant speed B3D37C224-B/G-90RA-9
7.2	Type Certificate:	EASA.IM.P.130 or FAA P25EA or FAA P58GL
8.	Fluids:	
8.1	Fuel:	100/100LL minimum grade aviation gasoline
8.2	Oil:	refer to AFM
9.	Fluid capacities:	
9.1	Fuel:	Standard Fuel Tank Total: 163 Litre Usable: 151,5 Litre
9.2	Oil:	IO-540: Maximum: 7,8 Litre, Minimum: 5,0 Litre O-540: Maximum: 11,8 Litre, Minimum: 8,9 Litre
10.	Air Speeds:	Design Manoevring Speed V_A: 109 KIAS (125 mph) Flap Extended Speed V_{FE}: 82 KIAS (94 mph) Maximum Structural Cruising Speed V_{NO}: 126 KIAS (145 mph) Never Exceed Speed V_{NE}: 156 KIAS (180 mph)

11. (reserved)

12. (reserved)

13. Maximum Weights:	Take-off	1134 kg (2500 lbs)
14. Centre of Gravity Range:	Forward limit	from +38 to + 52 cm at 1134 kg From +28 to +52 cm at 771kg or less
15. Datum:	Wing leading edge	
16. (reserved)		
17. Levelling Means:	levelling lug and mark on bottom side of right wing root	
18. Minimum Flight Crew:	1	
19. Maximum Passenger Seating Capacity:	4	
20. Baggage/Cargo Compartments:	77 kg at +50,8, 158 kg at +107, 113 kg at +178	
21. (Reserved):		

J.IV. Operating and Service Instructions

Airplane Flight Manual (AFM)
Model **M-7-235**, AFM dated 11/9/83 or later approved revison

Maintenance Manual (MM) MM for Model M-7-235

J.V. Notes:

1. This certification applies to serial numbers M-7-235, s/n 4001C and up, under Production Certificate 11S0
2. Additional equipment refer to AFM
3. Propeller and Propeller limits:
   Hartzell constant speed model HC-C2YR-1BF/F8468A-6R or -3R
   (-3R use with 7:00 tires or larger/26 psi minimum air pressure.)
   Hartzell constant speed 2 blade model HC-C2YR-1BF/F8477D-6
   (Use with O-540-J3A5 or O-540-B4B5 engine only)
   Hartzell constant speed 3 blade model HC-C3YR-1RF/F7693(F)-( )
   (Use with O-540-J3A5, O-540-B4B5, IO-540-W1A5D or IO-540-W1A5 engines only)
   Diameter: -3R: Not over 81 in.; not under 77 in.

-6R: Not over 78 in.; not under 77 in.
F8477D-6 or F7693(F)-( ): Not over 78 in.; not under 76 in.
Pitch settings at 30" sta.:
-3R: low 16º +1º high 30º +1º (O-540-J1A5D, O-540-J3A5, IO-540-W1A5D or IO-540-W1A5 engines)
low 13.8º +1º high 30º +1º (O-540-B4B5 engine)
-6R: low 16.7º +1º high 30º +1º (O-540-J1A5D, O-540-J3A5, IO-540-W1A5D or IO-540-W1A5 engines)
low 14.3º +1º high 30º +1º (O-540-B4B5 engine)
F8477D-6: low 16.7º +1º high 30º +1º (O-540-J3A5 engine)
low 14.3º +1º high 30º +1º (O-540-B4B5 engine)
F7693(F)-( ): low 14.2º +1º high 31º +1º (O-540-J3A5, IO-540-W1A5 or IO-540-W1A5D engines)
low 12.5º +1º high 31º +1º (O-540-B4B5 engine)
-6R: Do not exceed 23 in. M.P. below 2050 rpm.
McCauley constant speed 3-blade model B3D32C414-C/G-82NDA-2 or -4*
(-2 use with 7:00 tires or larger)
McCauley constant speed 2-blade model B2D37C224-B/G-90RA-9**
(-9 use with 7:00 tires or larger/26 psi minimum air pressure.)
Diameter: -2: not over 80 in.; not under 76 in.
-4: not over 78 in.; not under 76 in.
-9: not over 81 in.; not under 78 in.
Pitch settings at 30" sta.:
-2 (80"): low 15.0º +0.2º high 30.0º +0.5º (O-540-J1A5D, O-540-J3A5, IO-540-W1A5D or IO-540-W1A5
engines)
low 13.3º +0.2º high 30.0º +0.5º (O-540-B4B5 engine)
-4 (78"): low 15.7º +0.2º high 30.0º +0.5º (O-540-J1A5D, O-540-J3A5, IO-540-W1A5D or IO-540-W1A5
engines)
low 14.0º +0.2º high 30.0º +0.5º (O-540-B4B5 engine)
-9 (81"): low 14.7º +0.2º high 24.6º +0.5º (O-540-J1A5D, O-540-J3A5, IO-540-W1A5D or IO-540-W1A5
engines)
low 13.3º +0.2º high 24.6º +0.5º (O-540-B4B5 engine)
Spinner: Hartzell spinner assembly A2298-2 (use with Hartzell propeller only)
McCauley spinner assembly D-6240 (use with McCauley 3-blade propeller only)
McCauley spinner assembly D-6195 (use with McCauley 2-blade propeller only)
Governor: Woodward F210681*** or B210761 (O-540-J1A5D, O-540-J3A5, IO-540-W1A5D or IO-540-W1A5 only);
E210761 (O-540-B4B5 only)
McCauley C290D3(X)/T30 or DC290D1(X)/T14 (O-540-J1A5D, O-540-J3A5, IO-540-W1A5D or IO-540-W1A5 only);
C290D3(X)/T31 or DC290D1(X)/T15 (O-540-B4B5 only)

* McCauley B3D32C414-C/G-82NDA-4 not approved for installation on M-5-235C with O-540-J1A5D,
O-540-J3A5, IO-540-W1A5D or IO-540-W1A5 engines.
** McCauley B2D37C224-B/G-90RA-9 not approved for installation on M-5-235C, M-6-235, M-7-235, MX-7-235
with O-540-B4B5 engines.
*** For Woodward Governor F210681 on M-5-235C refer to AD#81-25-01 for eligible serial numbers.

SECTION K: MODEL M-7-235B

K.I. General

1. Data Sheet No.:	IM.A.018, Issue 6
2. a) Type:	M-4
b) Model:	M-7-235B (5PCLM, Normal Category, FAA approved 14 Oct 1993
c) Variant:	-
3. Airworthiness Category:	Normal Category
4. Type Certificate Holder:	Maule Aerospace Technology, Inc. 2099 Georgia Highway 133 South Moultrie, Georgia 31768 USA
5. Manufacturer:	Maule Aerospace Technology, Inc. 2099 Georgia Highway 133 South Moultrie, Georgia 31768 USA
6. Certification Application Date:	01 Nov 1957
7. (Reserved)	
8. ENAC Certification Date	07 Aug 2003

K.II. EASA Certification Basis

1. Reference Date for determining the applicable requirements:	01 Nov 1957
2. Airworthiness Requirements:	CAR 3, Amdt 3-1 through 3-5 eff 15 May 1956 and 3.705 amended by 3-7, additional FAR 23.955 instead of CAR3 .435
3…Special Conditions:	None
3. Exemptions:	None
4. Deviations:	None
5. Equivalent Safety Findings:	None
6. Requirements elected to comply:	-
7. Environmental Standards:	ICAO, Annex 16, Vol 1
8. (Reserved):	

9. (Reserved)

K.III. Technical Characteristics and Operational Limitations

1. Type Design Definition:	Master Drawing List Model M-7-235B
2. Description:	single piston engine, five-seats, steel cage construction, high wing with conventional tail and tailwheel The model M-7-235B is certified in the “Floatplane” version only
3. Equipment:	refer to AFM
4. Dimensions:	refer to AFM
5. Engine:	
5.1.1 Model:	Lycoming O-540-J1A5D, O-540-J3A5, IO-540-W1A5D, IO-540-W1A5 or O-540-B4B5
5.1.2 Type Certificate:	FAA E-295 or 1E4
5.1.3 Limitations:	For all operation 2400 rpm (O-540-J/IO-540-W) For all operation 2575 rpm (O-540-B)
6. Load factors:	-
7. Propeller:	
7.1 Model:	Hartzell constant speed HC-C2YR-1BF/F8468A-6R or -3R Hartzell constant speed HC-C2YR-1BF/F8477D-6 Hartzell constant speed HC-C3YR-1RF/F7693(F)-() McCauley constant speed B3D32C414-C/G-82NDA-2 o -4 McCauley constant speed B3D37C224-B/G-90RA-9
7.2 Type Certificate:	EASA.IM.P.130 or FAA P25EA or FAA P58GL
8. Fluids:	
8.1 Fuel:	100/100LL minimum grade aviation gasoline
8.2 Oil:	refer to AFM
9. Fluid capacities:	
9.1 Fuel:	Standard Fuel TankMain Tanks: 162.7 lt (43 US Gal), (151.5 lt (40 US Gal) usable), in two 81.3 lt (21.5 US Gal) wing tanks at +.61 m (+24”), or 180.1 lt (47.6 US Gal), (162.7 lt (43 US Gal) usable), in two 90.0 (23.8US Gal), wing tanks at +.61 m (+24”). Optional Wing Auxiliary Tanks: 113.5 lt (30 US Gal) (113.5 lt (30 US Gal) usable), in two 45.0 lt (15.0 US Gal) at +.61 m (+24”), or 159.0 (42 US Gal) (159.0 (42 US Gal) usable), in two 79.5 lt (21 US Gal) at +.61 m (+24”)

	See Note 3 for undrainable fluids
9.2 Oil:	IO-540: Maximum: 7,8 Litre, Minimum: 5,0 Litre O-540: Maximum: 11,8 Litre, Minimum: 8,9 Litre
10. Air Speeds:	Design Manoevring Speed V_A: 109 KIAS (125 mph) Flap Extended Speed V_{FE}: 82 KIAS (94 mph) Maximum Structural Cruising Speed V_{NO}: 128 KIAS (147 mph) Never Exceed Speed V_{NE}: 142 KIAS (164 mph)
11. (reserved)	
12. (reserved)	
13. Maximum Weights:	Take-off 1247 kg (2750 lbs)
14. Centre of Gravity Range:	Floatplane: EDO 797-2500 amphibious or 248B2440 Floats (+14.0) to (+19.0) at 2750 lbs. (+12.5) to (+19.0) at 2400 lbs. or less Wipline 3000 amphibious Floats (+14.0) to (+19.0) at 2750 lbs. (+12.0) to (+19.0) at 2100 lbs. or less
15. Datum:	Wing leading edge
16. (reserved)	
17. Levelling Means:	levelling lug and mark on bottom side of right wing root
18. Minimum Flight Crew:	1
19. Maximum Passenger Seating Capacity:	4
20. Baggage/Cargo Compartments:	77 kg at +50,8, 158 kg at +107, 113 kg at +178
21. (Reserved):	

K.IV. Operating and Service Instructions

Airplane Flight Manual (AFM)

Model **M-7-235B**, AFM dated 14 Oct 1993, Rev E dated 24 May 2002 or later approved revision

including AFM-S No 2 (EDO model 797-2550 Amphibious Floats installation in accordance with Maule drawing 9139A) dated 28

September 1995, Rev. A dated 19 August 2002 or later approved revision

including AFM-S No 9 (Wipline model 3000 Amphibious Floats installation in accordance with Maule drawing 9188A) dated 17 May 1999, Rev. A dated 19 August 2002 or later approved revision

Maintenance Manual (MM)	MM for Model M-7-235B

K.**V.** **Notes:**

1. This certification applies to serial numbers M-7-235B, 23001C and up, under Production Certificate 11S0
2. Additional equipment refer to AFM
3. Certified empty weight and corresponding center of gravity location must include undrainable fluids:

fuel	8.16 Kg (18 lbs) (at +.60 m (+24"))
oil	2.72 Kg (6 lbs) (at –.86 m (-34"))

4. Float installation requires the installation of wing tip mounted anti-collision light system in accordance with Maule Drawing 7045F for night flight.
5. Float installation requires structural modifications to be incorporated in accordance with Maule Drawing 9001F, Sheet 1.
6. For Placards see Airplane Flight Manual and Airplane Flight Manual Supplement no 2 or 9.
7. Propeller and Propeller limits:
   Hartzell constant speed model HC-C2YR-1BF/F8468A-6R or -3R
   (-3R use with 7:00 tires or larger/26 psi minimum air pressure.)
   Hartzell constant speed 2 blade model HC-C2YR-1BF/F8477D-6
   (Use with O-540-J3A5 or O-540-B4B5 engine only)
   Hartzell constant speed 3 blade model HC-C3YR-1RF/F7693(F)-( )
   (Use with O-540-J3A5, O-540-B4B5, IO-540-W1A5D or IO-540-W1A5 engines only)
   Diameter: -3R: Not over 81 in.; not under 77 in.
   -6R: Not over 78 in.; not under 77 in.
   F8477D-6 or F7693(F)-( ): Not over 78 in.; not under 76 in.
   Pitch settings at 30" sta.:
   -3R: low 16º +1º high 30º +1º (O-540-J1A5D, O-540-J3A5, IO-540-W1A5D or IO-540-W1A5 engines)
   low 13.8º +1º high 30º +1º (O-540-B4B5 engine)
   -6R: low 16.7º +1º high 30º +1º (O-540-J1A5D, O-540-J3A5, IO-540-W1A5D or IO-540-W1A5 engines)
   low 14.3º +1º high 30º +1º (O-540-B4B5 engine)
   F8477D-6: low 16.7º +1º high 30º +1º (O-540-J3A5 engine)
   low 14.3º +1º high 30º +1º (O-540-B4B5 engine)
   F7693(F)-( ): low 14.2º +1º high 31º +1º (O-540-J3A5, IO-540-W1A5 or IO-540-W1A5D engines)
   low 12.5º +1º high 31º +1º (O-540-B4B5 engine)
   -6R: Do not exceed 23 in. M.P. below 2050 rpm.
   McCauley constant speed 3-blade model B3D32C414-C/G-82NDA-2 or -4*
   (-2 use with 7:00 tires or larger)
   McCauley constant speed 2-blade model B2D37C224-B/G-90RA-9**
   (-9 use with 7:00 tires or larger/26 psi minimum air pressure.)
   Diameter: -2: not over 80 in.; not under 76 in.
   -4: not over 78 in.; not under 76 in.
   -9: not over 81 in.; not under 78 in.
   Pitch settings at 30" sta.:
   -2 (80"): low 15.0º +0.2º high 30.0º +0.5º (O-540-J1A5D, O-540-J3A5, IO-540-W1A5D or IO-540-W1A5 engines)
   low 13.3º +0.2º high 30.0º +0.5º (O-540-B4B5 engine)
   -4 (78"): low 15.7º +0.2º high 30.0º +0.5º (O-540-J1A5D, O-540-J3A5, IO-540-W1A5D or IO-540-W1A5 engines)

low 14.0º +0.2º high 30.0º +0.5º (O-540-B4B5 engine)
-9 (81"): low 14.7º +0.2º high 24.6º +0.5º (O-540-J1A5D, O-540-J3A5, IO-540-W1A5D or IO-540-W1A5 engines)
low 13.3º +0.2º high 24.6º +0.5º (O-540-B4B5 engine)
Spinner: Hartzell spinner assembly A2298-2 (use with Hartzell propeller only)
McCauley spinner assembly D-6240 (use with McCauley 3-blade propeller only)
McCauley spinner assembly D-6195 (use with McCauley 2-blade propeller only)
Governor: Woodward F210681*** or B210761 (O-540-J1A5D, O-540-J3A5, IO-540-W1A5D or IO-540-W1A5 only); E210761 (O-540-B4B5 only)
McCauley C290D3(X)/T30 or DC290D1(X)/T14 (O-540-J1A5D, O-540-J3A5, IO-540-W1A5D or IO-540-W1A5 only);
C290D3(X)/T31 or DC290D1(X)/T15 (O-540-B4B5 only)
* McCauley B3D32C414-C/G-82NDA-4 not approved for installation on M-5-235C with O-540-J1A5D, O-540-J3A5, IO-540-W1A5D or IO-540-W1A5 engines.
** McCauley B2D37C224-B/G-90RA-9 not approved for installation on M-5-235C, M-6-235, M-7-235, MX-7-235 with O-540-B4B5 engines.
*** For Woodward Governor F210681 on M-5-235C refer to AD#81-25-01 for eligible serial numbers.

SECTION L: MODEL M-7-235C

L.I. General

1. Data Sheet No.:	IM.A.018, Issue 6
2. a) Type:	M-4
b) Model:	M-7-235C (5PCLM, Normal Category, FAA approved 10 Oct 1995
c) Variant:	-
3. Airworthiness Category:	Normal Category
4. Type Certificate Holder:	Maule Aerospace Technology, Inc. 2099 Georgia Highway 133 South Moultrie, Georgia 31768 USA
5. Manufacturer:	Maule Aerospace Technology, Inc. 2099 Georgia Highway 133 South Moultrie, Georgia 31768 USA
6. Certification Application Date:	01 Nov 1957
7. (Reserved)	
8. CAA-Cz Certification Date	07 Sep 2003

L.II. EASA Certification Basis

1. Reference Date for determining the applicable requirements:	01 Nov 1957
2. Airworthiness Requirements:	CAR 3, Amdt 3-1 through 3-5 eff 15 May 1956 and 3.705 amended by 3-7, additional FAR 23.955 instead of CAR3 .435
3…Special Conditions:	None
3. Exemptions:	None
4. Deviations:	None
5. Equivalent Safety Findings:	None
6. Requirements elected to comply:	-
7. Environmental Standards:	ICAO, Annex 16, Vol 1
8. (Reserved):	

9. (Reserved)

L.III. Technical Characteristics and Operational Limitations

1. Type Design Definition:	Master Drawing List Model M-7-235C
2. Description:	single piston engine, five-seats, steel cage construction, high wing with conventional tail and tailwheel
3. Equipment:	refer to AFM
4. Dimensions:	refer to AFM
5. Engine:	
5.1.1 Model:	Lycoming O-540-J1A5D, O-540-J3A5, IO-540-W1A5D, IO-540-W1A5 or O-540-B4B5
5.1.2 Type Certificate:	FAA E-295 or 1E4
5.1.3 Limitations:	For all operation 2400 rpm (O-540-J/IO-540-W) For all operation 2575 rpm (O-540-B)
6. Load factors:	-
7. Propeller:	
7.1 Model:	Hartzell constant speed HC-C2YR-1BF/F8468A-6R or -3R Hartzell constant speed HC-C2YR-1BF/F8477D-6 Hartzell constant speed HC-C3YR-1RF/F7693(F)-() McCauley constant speed B3D32C414-C/G-82NDA-2 o -4 McCauley constant speed B3D37C224-B/G-90RA-9
7.2 Type Certificate:	EASA.IM.P.130 or FAA P25EA or FAA P58GL
8. Fluids:	
8.1 Fuel:	100/100LL minimum grade aviation gasoline
8.2 Oil:	refer to AFM
9. Fluid capacities:	
9.1 Fuel:	Standard Fuel TankMain Tanks: 162.7 lt (43 US Gal), (151.5 lt (40 US Gal) usable), in two 81.3 lt (21.5 US Gal) wing tanks at +.61 m (+24”), or 180.1 lt (47.6 US Gal), (162.7 lt (43 US Gal) usable), in two 90.0 (23.8US Gal), wing tanks at +.61 m (+24”). Optional Wing Auxiliary Tanks: 113.5 lt (30 US Gal) (113.5 lt (30 US Gal) usable), in two 45.0 lt (15.0 US Gal) at +.61 m (+24”), or 159.0 (42 US Gal) (159.0 (42 US Gal) usable), in two 79.5 lt (21 US Gal) at +.61 m (+24”) See Note 3 for undrainable fluids
9.2 Oil:	IO-540: Maximum: 7,8 Litre, Minimum: 5,0 Litre

O-540: Maximum: 11,8 Litre, Minimum: 8,9 Litre

10. Air Speeds:

Design Manoevring Speed V_A :	109 KIAS (125 mph)
Flap Extended Speed V_{FE} :	82 KIAS (94 mph)
Maximum Structural Cruising Speed V_{NO} :	128 KIAS (147 mph)
Never Exceed Speed V_{NE} :	142 KIAS (164 mph)

11. (reserved)

12. (reserved)

13. Maximum Weights: Take-off 1134 kg (2500 lbs)

14. Centre of Gravity Range: Forward limit from +38 to + 52 cm at 1134 kg
From +28 to +52 cm at 771 kg or less

15. Datum: Wing leading edge

16. (reserved)

17. Levelling Means: levelling lug and mark on bottom side of right wing root

18. Minimum Flight Crew: 1

19. Maximum Passenger Seating Capacity: 4

20. Baggage/Cargo Compartments: 45 kg at +50,8, 79 kg at +107, 57 kg at +182

21. (Reserved):

L.IV. Operating and Service Instructions

Airplane Flight Manual (AFM)
Model **M-7-235C**, AFM dated 10 Oct 1995, Rev. C 20 May 2002 or later approved revision

Maintenance Manual (MM) MM for Model M-7-235C

L.**V.** **Notes:**

1. This certification applies to serial numbers M-7-235C, s/n 25001C and up, under Production Certificate 11S0
2. Additional equipment refer to AFM
3. Propeller and Propeller limits:

   Same notes as for M-7-235B

SECTION M: MODEL MT-7-235

M.I. General

1. Data Sheet No.:	IM.A.018, Issue 6
2. a) Type:	M-4
b) Model:	MT-7-235 (5PCLM, Normal Category, FAA approved 20 Mar 1992
c) Variant:	-
3. Airworthiness Category:	Normal Category
4. Type Certificate Holder:	Maule Aerospace Technology, Inc. 2099 Georgia Highway 133 South Moultrie, Georgia 31768 USA
5. Manufacturer:	Maule Aerospace Technology, Inc. 2099 Georgia Highway 133 South Moultrie, Georgia 31768 USA
6. Certification Application Date:	01 Nov 1957
7. (Reserved)	

M.II. EASA Certification Basis

1. Reference Date for determining the applicable requirements:	01 Nov 1957
2. Airworthiness Requirements:	CAR 3, Amdt 3-1 through 3-5 eff 15 May 1956 and 3.705 amended by 3-7
3…Special Conditions:	None
3. Exemptions:	None
4. Deviations:	None
5. Equivalent Safety Findings:	None
6. Requirements elected to comply:	-
7. Environmental Standards:	ICAO, Annex 16, Vol 1
8. (Reserved):	
9. (Reserved)	

M.III. Technical Characteristics and Operational Limitations

1. Type Design Definition:	Master Drawing List Model MT-7-235
2. Description:	single piston engine, five-seats, steel cage construction, high wing with conventional tail and wheel configuration
3. Equipment:	refer to AFM
4. Dimensions:	refer to AFM
5. Engine:	
5.1.1 Model:	Lycoming IO-540-W1A5D, IO-540-W1A5
5.1.2 Type Certificate:	FAA 1E4
5.1.3 Limitations:	2400 rpm, full throttle continuous
6. Load factors:	-
7. Propeller: (see Notes)	
7.1 Model:	Hartzell constant speed model HC-C2YR-1BF/8468A-6R or -3R Diameter: -3R: Not over 81 in.; not under 77 in. -6R: Not over 78 in.; not under 77 in. Pitch settings at 30" sta.: -3R: low 16º +1º high 30º +1º -6R: low 16.7º +1º high 30º +1º -6R: Do not exceed 23 in. M.P. below 2050 rpm. McCauley constant speed model B3D32C414-C/G-82NDA-4 o -2 McCauley constant speed model B2D37C-224-B/G-90RA-9 Pitch settings at 30" sta: -2 (80"): low 15.0º +0.2º high 30.0º +0.5º -4 (78"): low 15.7º +0.2º high 30.0º +0.5º -9 (81"): low 14.7º +0.2º high 24.6º +0.5º Spinner: Hartzell spinner assembly A2298-2 (use with Hartzell 2 blade propeller only) McCauley spinner assembly D-6240 (use with McCauley 3 blade propeller only) McCauley spinner assembly D-6195 (use with McCauley 2 blade propeller only) Governor: Woodward F210681 or B210761 McCauley C290D3(X)/T30 or DC290D1(X)/T14
7.2 Type Certificate:	EASA.IM.P.130 or FAA P25EA or FAA P58GL
8. Fluids:	
8.1 Fuel:	100/100LL minimum grade aviation gasoline
8.2 Oil:	refer to AFM

9. Fluid capacities:

9.1 Fuel:	Standard Fuel Tank	Total:	163 Litre
		Usable:	151,5 Litre
	Optional	Total:	180 Litre
		Usable:	163 Litre
9.2 Oil:	Maximum: 7,8 Litre		
	Minimum: 5,0 Litre		

10. Air Speeds:

Design Manoevring Speed V_A :	109 KIAS (125 mph)
Flap Extended Speed V_{FE} :	82 KIAS (94 mph)
Maximum Structural Cruising Speed V_{NO} :	126 KIAS (145 mph)
Never Exceed Speed V_{NE} :	156 KIAS (180 mph)

11. (reserved)

12. (reserved)

13. Maximum Weights: Take-off 1134 kg (2500 lbs)

14. Centre of Gravity Range: Forward limit from +38 to + 50,8 cm at 1134 kg
From +30,5 to +50,8 cm at 816kg or less

15. Datum: Wing leading edge

16. (reserved)

17. Levelling Means: levelling lug and mark on bottom side of right wing root

18. Minimum Flight Crew: 1

19. Maximum Passenger Seating Capacity: 4

20. Baggage/Cargo Compartments: 77 kg at +50,8, 158 kg at +107, 113 kg at +178

21. (Reserved):

M.IV. Operating and Service Instructions

Airplane Flight Manual (AFM)	Model MT-7-235 dated 20 Mar 1992 or later revision
Maintenance Manual (MM)	MM for Model MT-7-235

M.**V.** **Notes:**

1. This certification applies to serial numbers MT-7-235, 18001C and up, under Production Certificate 11S0
2. Additional equipment refer to AFM

SECTION N: MODEL MX-7-160

N.I. General

1. Data Sheet No.:	IM.A.018, Issue 6
2. a) Type:	M-4
b) Model:	MX-7-160
c) Variant:	MX-7-160 (4PCLM, Normal Category, FAA approved 13 Nov 1992 MXT-7-160 (4PCLM, Normal Category, FAA approved 13 Nov 1992, same as MX-7-160, except instead of tailwheel has aluminium spring main gear with nosewheel and optional only 2-seats
3. Airworthiness Category:	Normal Category
4. Type Certificate Holder:	Maule Aerospace Technology, Inc. 2099 Georgia Highway 133 South Moultrie, Georgia 31768 USA
5. Manufacturer:	Maule Aerospace Technology, Inc. 2099 Georgia Highway 133 South Moultrie, Georgia 31768 USA
6. Certification Application Date:	01 Nov 1957
7. (Reserved)	

N.II. EASA Certification Basis

1. Reference Date for determining the applicable requirements:	01 Nov 1957
2. Airworthiness Requirements:	CAR 3, Amdt 3-1 through 3-5 eff 15 May 1956 and 3.705 amended by 3-7, FAR 23.955 instead of CAR 3.435, FAR 23.1545 instead of CAR 3.757
3…Special Conditions:	None
3. Exemptions:	None
4. Deviations:	None
5. Equivalent Safety Findings:	None
6. Requirements elected to comply:	-

7. Environmental Standards: ICAO, Annex 16, Vol 1
8. (Reserved):
9. (Reserved)

N.III. Technical Characteristics and Operational Limitations

1. Type Design Definition:	Master Drawing List Model MX-7-160 or MXT-7-160	
2. Description:	single piston engine, four-seats, steel cage construction, high wing with conventional tail	
3. Equipment:	refer to AFM	
4. Dimensions:	refer to AFM	
5. Engine:		
5.1.1 Model:	Lycoming O-320-B2D	
5.1.2 Type Certificate:	FAA E-274	
5.1.3 Limitations:	2700 rpm, full throttle continuous	
6. Load factors:	-	
7. Propeller:		
7.1 Model:	Sensenich fixed pitch 74DM7S5-0-52 or -54 or -56 or Sensenich fixed pitch 74DM7S8-0-52 or -54 or -56 Not over 2500 rpm, not unter 2400 rpm at full throttle Not over 2620 rpm, not unter 2520 rpm at full throttle (-52)	
7.2 Type Certificate:	FAA P-886	
8. Fluids:		
8.1 Fuel:	100/100LL minimum grade aviation gasoline	
8.2 Oil:	refer to AFM	
9. Fluid capacities:		
9.1 Fuel:	Standard Fuel Tank Total:	163 Litre
	Usable:	151,5 Litre
9.2 Oil:	Maximum: 7,8 Litre	
10. Air Speeds:	Design Manoevring Speed V_A:	109 KIAS (125 mph)
	Flap Extended Speed V_{FE}:	78 KIAS (90 mph)
	Maximum Structural Cruising Speed V_{NO}:	126 KIAS (145 mph)
	Never Exceed Speed V_{NE}:	156 KIAS (180 mph)

11. (reserved)

12. (reserved)

13. Maximum Weights:	Take-off	998 kg (2200 lbs)
14. Centre of Gravity Range:	Forward limit	from +39 to + 52 cm at 998 kg From +33,5 to +52 cm at 726kg or less
15. Datum:	Wing leading edge	
16. (reserved)		
17. Levelling Means:	levelling lug and mark on bottom side of right wing root	
18. Minimum Flight Crew:	1	
19. Maximum Passenger Seating Capacity:	3 (optional 1 if MXT-7-160)	
20. Baggage/Cargo Compartments:	77 kg at +50,8, 158 kg at +107, 113 kg at +178	
21. (Reserved):		

N.IV. Operating and Service Instructions

Airplane Flight Manual (AFM)

Model MX-7-160 dated 11/13/92 or later approved revision

Model MXT-7-160 dated 11/13/92 or later approved revision

Maintenance Manual (MM)

MM for Model MX-7-160 or Model MXT-7-160

N.V. Notes:

1. This certification applies to serial numbers MX-7-160, S/N 19001C and up, MXT-7-160, S/N 17001Cand up under Production Certificate 11S0
2. Additional equipment refer to AFM

SECTION O: MODEL MX-7-180

O.I. General

1. Data Sheet No.:	IM.A.018, Issue 6
2. a) Type:	M-4
b) Model:	MX-7-180
c) Variant:	MX-7-180 (4/ optional 5 PCLM, Normal Category, FAA approved 18 Dec 1984 MXT-7-180 (4/ optional 5 PCLM, Normal Category, FAA approved 09 Nov 1990, same as MX-7-180, except instead of tailwheel has aluminium spring main gear with nosewheel
3. Airworthiness Category:	Normal Category
4. Type Certificate Holder:	Maule Aerospace Technology, Inc. 2099 Georgia Highway 133 South Moultrie, Georgia 31768 USA
5. Manufacturer:	Maule Aerospace Technology, Inc. 2099 Georgia Highway 133 South Moultrie, Georgia 31768 USA
6. Certification Application Date:	01 Nov 1957
7. (Reserved)	

O.II. EASA Certification Basis

1. Reference Date for determining the applicable requirements:	01 Nov 1957
2. Airworthiness Requirements:	CAR 3, Amdt 3-1 through 3-5 eff 15 May 1956 and 3.705 amended by 3-7, FAR 23.955 instead of CAR 3.435, FAR 23.1545 instead of CAR 3.757
3…Special Conditions:	None
3. Exemptions:	None
4. Deviations:	None
5. Equivalent Safety Findings:	None
6. Requirements elected to comply:	-

7. Environmental Standards: ICAO, Annex 16, Vol 1
8. (Reserved):
9. (Reserved)

O.III. Technical Characteristics and Operational Limitations

1. Type Design Definition:	Master Drawing List Model MX-7-180 or MXT-7-180	
2. Description:	single piston engine, four-seats, steel cage construction, high wing with conventional tail	
3. Equipment:	refer to AFM	
4. Dimensions:	refer to AFM	
5. Engine:		
5.1.1 Model:	Lycoming O-360-C1F	
5.1.2 Type Certificate:	FAA E-286	
5.1.3 Limitations:	2700 rpm, all operations	
6. Load factors:	-	
7. Propeller:		
7.1 Model:	Hartzell constant speed HC-C2YR-1BF/F7666A Avoid continuous operations between 2000 and 2250 rpm	
7.2 Type Certificate:	EASA.IM.P.130	
8. Fluids:		
8.1 Fuel:	100/100LL minimum grade aviation gasoline	
8.2 Oil:	refer to AFM	
9. Fluid capacities:		
9.1 Fuel:	Standard Fuel Tank Total:	163 Litre
	Usable:	151,5 Litre
9.2 Oil:	Maximum: 7,8 Litre	
10. Air Speeds:	**MX-7-180**	
	Design Manoevring Speed V_A:	112 KIAS (129 mph)
	Flap Extended Speed V_{FE}:	85 KIAS (98 mph)
	Maximum Structural Cruising Speed V_{NO}:	129 KIAS (149 mph)
	Never Exceed Speed V_{NE}:	161 KIAS (185 mph)

MXT-7-180

Design Manoevring Speed V_A :	109 KIAS (125 mph)
Flap Extended Speed V_{FE} :	82 KIAS (95 mph)
Maximum Structural Cruising Speed V_{NO} :	128 KIAS (147 mph)
Never Exceed Speed V_{NE} :	158 KIAS (182 mph)

11. (reserved)

12. (reserved)

13. Maximum Weights: Take-off 1134 kg (2500 lbs)

14. Centre of Gravity Range: Forward limit from +40,5 to + 52 cm at 1134 kg
From +31,5 to +52 cm at 789 kg or less

15. Datum: Wing leading edge

16. (reserved)

17. Levelling Means: levelling lug and mark on bottom side of right wing root

18. Minimum Flight Crew: 1

19. Maximum Passenger Seating Capacity: 3 (optional 4)

20. Baggage/Cargo Compartments: 77 kg at +50,8, 158 kg at +107, 113 kg at +178

21. (Reserved):

O.IV. Operating and Service Instructions

Airplane Flight Manual (AFM)

Model MX-7-180 dated 12/18/84 or later approved revision

Model MXT-7-180 dated 11/09/90 or later approved revision

Maintenance Manual (MM)

MM for Model MX-7-180 or Model MXT-7-180

O.**V.** **Notes:**

3. This certification applies to serial numbers MX-7-180, S/N 11001C and up, MXT-7-180, S/N 14001C and up under Production Certificate 11S0
4. Additional equipment refer to AFM

SECTION P: MODEL MX-7-180A

P.I. General

1. Data Sheet No.:	IM.A.018, Issue 6
2. a) Type:	M-4
b) Model:	MX-7-180A
c) Variant:	MX-7-180A (4 PCLM, Normal Category, FAA approved 03 Jun 1993 MXT-7-180A (4 PCLM, Normal Category, FAA approved 03 Jun 1993, same as MX-7-180, except instead of tailwheel has aluminium spring main gear with nosewheel
3. Airworthiness Category:	Normal Category
4. Type Certificate Holder:	Maule Aerospace Technology, Inc. 2099 Georgia Highway 133 South Moultrie, Georgia 31768 USA
5. Manufacturer:	Maule Aerospace Technology, Inc. 2099 Georgia Highway 133 South Moultrie, Georgia 31768 USA
6. Certification Application Date:	01 Nov 1957
7. (Reserved)	

P.II. EASA Certification Basis

1. Reference Date for determining the applicable requirements:	01 Nov 1957
2. Airworthiness Requirements:	CAR 3, Amdt 3-1 through 3-5 eff 15 May 1956 and 3.705 amended by 3-7, FAR 23.955 instead of CAR 3.435
3…Special Conditions:	None
3. Exemptions:	None
4. Deviations:	None
5. Equivalent Safety Findings:	None
6. Requirements elected to comply:	-

7. Environmental Standards: ICAO, Annex 16, Vol 1
8. (Reserved):
9. (Reserved)

P.III. Technical Characteristics and Operational Limitations

1. Type Design Definition:	Master Drawing List Model MX-7-180A or MXT-7-180A	
2. Description:	single piston engine, four-seats, steel cage construction, high wing with conventional tail	
3. Equipment:	refer to AFM	
4. Dimensions:	refer to AFM	
5. Engine:		
5.1.1 Model:	Lycoming O-360-C1F or O-360-C4F	
5.1.2 Type Certificate:	FAA E-286	
5.1.3 Limitations:	2700 rpm, full throttle continuous	
6. Load factors:	-	
7. Propeller:		
7.1 Model:	Sensenich fixed pitch 76EM8S5-0-56 or 76EM8S8-0-56 Not over 2500 rpm, not under 2400 rpm at full throttle	
7.2 Type Certificate:	FAA P4EA	
8. Fluids:		
8.1 Fuel:	100/100LL minimum grade aviation gasoline	
8.2 Oil:	refer to AFM	
9. Fluid capacities:		
9.1 Fuel:	Standard Fuel Tank Total:	163 Litre
	Usable:	151,5 Litre
9.2 Oil:	Maximum: 7,8 Litre	
10. Air Speeds:	Design Manoevring Speed V_A:	109 KIAS (125 mph)
	Flap Extended Speed V_{FE}:	85 KIAS (98 mph)
	Maximum Structural Cruising Speed V_{NO}:	129 KIAS (149 mph)
	Never Exceed Speed V_{NE}:	161 KIAS (185 mph)

11. (reserved)
12. (reserved)

13. Maximum Weights:	Take-off	1089 kg (2400 lbs)
14. Centre of Gravity Range:	Forward limit from +40,5 to + 52 cm at 1089 kg MX-7-180A: From +31,5 to +52 cm at 789 kg or less MXT-7-180A: From +34,5 to +52 cm at 726 kg or less	
15. Datum:	Wing leading edge	
16. (reserved)		
17. Levelling Means:	levelling lug and mark on bottom side of right wing root	
18. Minimum Flight Crew:	1	
19. Maximum Passenger Seating Capacity:	3	
20. Baggage/Cargo Compartments:	77 kg at +50,8, 158 kg at +107, 113 kg at +178	
21. (Reserved):		

P.IV. Operating and Service Instructions

Airplane Flight Manual (AFM)

Model MX-7-180A dated 6/3/93 or later approved revision

Model MXT-7-180A dated 6/3/93 or later approved revision

Maintenance Manual (MM)

MM for Model MX-7-180A or Model MXT-7-180A

P.V. Notes:

5. This certification applies to serial numbers MX-7-180A, S/N 20001C and up, MXT-7-180A, S/N 21001C and up under Production Certificate 11S0
6. Additional equipment refer to AFM

SECTION Q: MODEL MX-7-180B

Q.I. General

1. Data Sheet No.:	IM.A.018, Issue 6
2. a) Type:	M-4
b) Model:	MX-7-180B(4/ 5 optional PCLM, Normal Category, FAA approved 12 Jul 1993
c) Variant:	-
3. Airworthiness Category:	Normal Category
4. Type Certificate Holder:	Maule Aerospace Technology, Inc. 2099 Georgia Highway 133 South Moultrie, Georgia 31768 USA
5. Manufacturer:	Maule Aerospace Technology, Inc. 2099 Georgia Highway 133 South Moultrie, Georgia 31768 USA
6. Certification Application Date:	01 Nov 1957
7. (Reserved)	
8. EASA Certificate Date	14 Dec 2004

Q.II. EASA Certification Basis

1. Reference Date for determining the applicable requirements:	01 Nov 1957
2. Airworthiness Requirements:	CAR 3, Amdt 3-1 through 3-5 eff 15 May 1956 and 3.705 amended by 3-7, FAR 23.955 instead of CAR 3.435
3…Special Conditions:	None
3. Exemptions:	None
4. Deviations:	None
5. Equivalent Safety Findings:	None
6. Requirements elected to comply:	-
7. Environmental Standards:	ICAO, Annex 16, Vol 1

8. (Reserved):
9. (Reserved)

Q.III. Technical Characteristics and Operational Limitations

1. Type Design Definition:	Master Drawing List Model MX-7-180B	
2. Description:	single piston engine, four-seats (optional five), steel cage construction, high wing with conventional tail and tailwheel	
3. Equipment:	refer to AFM	
4. Dimensions:	refer to AFM	
5. Engine:		
5.1.1 Model:	Lycoming O-360-C1F	
5.1.2 Type Certificate:	FAA E-286	
5.1.3 Limitations:	2700 rpm, full throttle continuous	
6. Load factors:	-	
7. Propeller:		
7.1 Model:	Hartzell constant speed HC-C2YR-1BF/F7666A Avoid continuous operations between 2000 and 2250 rpm	
7.2 Type Certificate:	EASA.IM.P.130	
8. Fluids:		
8.1 Fuel:	100/100LL minimum grade aviation gasoline	
8.2 Oil:	refer to AFM	
9. Fluid capacities:		
9.1 Fuel:	Standard Fuel Tank Total:	163 Litre
	Usable:	151,5 Litre
9.2 Oil:	Maximum: 7,8 Litre	
10. Air Speeds:	Design Manoevring Speed V_A:	109 KIAS (125 mph)
	Flap Extended Speed V_{FE}:	85 KIAS (98 mph)
	Maximum Structural Cruising Speed V_{NO}:	129 KIAS (149 mph)
	Never Exceed Speed V_{NE}:	161 KIAS (185 mph)

11. (reserved)

12. (reserved)

13. Maximum Weights:	Take-off	1134 kg (2500 lbs)
14. Centre of Gravity Range:	Forward limit	from +40,5 to + 52 cm at 1134 kg From +31,5 to +52 cm at 789 kg or less
15. Datum:	Wing leading edge	
16. (reserved)		
17. Levelling Means:	levelling lug and mark on bottom side of right wing root	
18. Minimum Flight Crew:	1	
19. Maximum Passenger Seating Capacity:	3 (optional 4)	
20. Baggage/Cargo Compartments:	77 kg at +50,8, 158 kg at +107, 113 kg at +178	
21. (Reserved):		

Q.IV. Operating and Service Instructions

Airplane Flight Manual (AFM)

Model MX-7-180B dated 7/12/93 or later approved revision

Maintenance Manual (MM)

MM for Model MX-7-180B

Q.V. Notes:

7. This certification applies to serial numbers MX-7-180B, S/N 22001C and up under Production Certificate 11S0
8. Additional equipment refer to AFM

SECTION R: MODEL MX-7-180C

R.I. General

1. Data Sheet No.:	IM.A.018, Issue 6
2. a) Type:	M-4
b) Model:	MX-7-180C(4/ 5 optional PCLM, Normal Category, FAA approved 27 Aug 1996
c) Variant:	-
3. Airworthiness Category:	Normal Category
4. Type Certificate Holder:	Maule Aerospace Technology, Inc. 2099 Georgia Highway 133 South Moultrie, Georgia 31768 USA
5. Manufacturer:	Maule Aerospace Technology, Inc. 2099 Georgia Highway 133 South Moultrie, Georgia 31768 USA
6. Certification Application Date:	01 Nov 1957
7. (Reserved)	
8. EASA Certificate Date	5 May 2005

R.II. EASA Certification Basis

1. Reference Date for determining the applicable requirements:	01 Nov 1957
2. Airworthiness Requirements:	CAR 3, Amdt 3-1 through 3-5 eff 15 May 1956 and 3.705 amended by 3-7, FAR 23.955 instead of CAR 3.435
3…Special Conditions:	None
3. Exemptions:	None
4. Deviations:	None
5. Equivalent Safety Findings:	None
6. Requirements elected to comply:	-
7. Environmental Standards:	ICAO, Annex 16, Vol 1

8. (Reserved):
9. (Reserved)

R.III. Technical Characteristics and Operational Limitations

1. Type Design Definition:	Master Drawing List Model MX-7-180C	
2. Description:	single piston engine, four-seats (optional five), steel cage construction, high wing with conventional tail and aluminium spring main gear with nosewheel, certified as Landplane and Floatplane	
3. Equipment:	refer to AFM	
4. Dimensions:	refer to AFM	
5. Engine:		
5.1.1 Model:	Lycoming O-360-C1F	
5.1.2 Type Certificate:	FAA E-286	
5.1.3 Limitations:	2700 rpm, full throttle continuous	
6. Load factors:	-	
7. Propeller:		
7.1 Model:	Hartzell constant speed HC-C2YR-1BF/F7666A Avoid continuous operations between 2000 and 2250 rpm	
7.2 Type Certificate:	EASA.IM.P.130	
8. Fluids:		
8.1 Fuel:	100/100LL minimum grade aviation gasoline	
8.2 Oil:	refer to AFM	
9. Fluid capacities:		
9.1 Fuel:	Standard Fuel Tank Total:	163 Litre
	Usable:	151,5 Litre
9.2 Oil:	Maximum: 7,8 Litre	
10. Air Speeds:	<u>Landplane</u>	
	Design Manoevring Speed V_A:	109 KIAS (125 mph)
	Flap Extended Speed V_{FE}:	85 KIAS (98 mph)
	Maximum Structural Cruising Speed V_{NO}:	129 KIAS (149 mph)
	Never Exceed Speed V_{NE}:	161 KIAS (185 mph)
	<u>Floatplane</u>	

	Design Manoevring Speed V_A :	109 KIAS (125 mph)
	Flap Extended Speed V_{FE} :	85 KIAS (98 mph)
	Maximum Structural Cruising Speed V_{NO} :	126 KIAS (145 mph)
	Never Exceed Speed V_{NE} :	142 KIAS (164 mph)
11. (reserved)		
12. (reserved)		
13. Maximum Weights:	Take-off	1134 kg (2500 lbs)
14. Centre of Gravity Range:	<u>Landplane:</u>	
		from +40,5 to + 52 cm at 1134 kg
		From +31,5 to +52 cm at 789 kg or less
	<u>Floatplane:</u>	
		from +48,1 to + 48,2 cm at 1134 kg
		From +34,3 to +58,2 cm at 948 kg or less
15. Datum:	Wing leading edge	
16. (reserved)		
17. Levelling Means:	levelling lug and mark on bottom side of right wing root	
18. Minimum Flight Crew:	1	
19. Maximum Passenger Seating Capacity:	3 (optional 4)	
20. Baggage/Cargo Compartments:	77 kg at +50,8, 158 kg at +107, 113 kg at +178	
21. (Reserved):		

R.IV. <u>Operating and Service Instructions</u>

Airplane Flight Manual (AFM)

Model MX-7-180C dated 26 August 1996, Rev D dated 24 May 2002 or later approved revision

Including AFM-S No 1 (Wipline Model 2350 Amphibious Floats installation in accordance with Maule drawing No 9178A) dated 24 March 1998, Rev C dated 19 August 2002, or later approved revision

Maintenance Manual (MM)

MM for Model MX-7-180C

R.**V.** **Notes:**

9. This certification applies to serial numbers MX-7-180C, S/N 28001C and up under Production Certificate 11S0
10. Additional equipment refer to AFM

SECTION S: MODEL MX-7-235

S.I. General

1. Data Sheet No.:	IM.A.018, Issue 6
2. a) Type:	M-4
b) Model:	M-6-235 (4PCLM, Normal Category, FAA approved 18 Oct 1984
c) Variant:	-
3. Airworthiness Category:	Normal Category
4. Type Certificate Holder:	Maule Aerospace Technology, Inc. 2099 Georgia Highway 133 South Moultrie, Georgia 31768 USA
5. Manufacturer:	Maule Aerospace Technology, Inc. 2099 Georgia Highway 133 South Moultrie, Georgia 31768 USA
6. Certification Application Date:	01 Nov 1957
7. (Reserved)	
8. LBA Certification Date	04 May 1988

S.II. EASA Certification Basis

1. Reference Date for determining the applicable requirements:	01 Nov 1957
2. Airworthiness Requirements:	CAR 3, Amdt 3-1 through 3-5 eff 15 May 1956 and 3.705 amended by 3-7, additional FAR 23.955 instead of CAR3 .435
3…Special Conditions:	None
3. Exemptions:	None
4. Deviations:	None
5. Equivalent Safety Findings:	None
6. Requirements elected to comply:	-
7. Environmental Standards:	ICAO, Annex 16, Vol 1
8. (Reserved):	

9. (Reserved)

S.III. Technical Characteristics and Operational Limitations

1.	Type Design Definition:	Master Drawing List Model MX-7-235
2.	Description:	single piston engine, four-seats (optional five-seats), steel cage construction, high wing with conventional tail and tailwheel
3.	Equipment:	refer to AFM
4.	Dimensions:	refer to AFM
5.	Engine:	
5.1.1	Model:	Lycoming O-540-J1A5D, O-540-J3A5, IO-540-W1A5D, IO-540-W1A5 or O-540-B4B5
5.1.2	Type Certificate:	FAA E-295 or 1E4
5.1.3	Limitations:	For all operation 2400 rpm (O-540-J/IO-540-W) For all operation 2575 rpm (O-540-B)
6.	Load factors:	-
7.	Propeller:	
7.1	Model:	Hartzell constant speed HC-C2YR-1BF/F8468A-6R or -3R Hartzell constant speed HC-C2YR-1BF/F8477D-6 Hartzell constant speed HC-C3YR-1RF/F7693(F)-() McCauley constant speed B3D32C414-C/G-82NDA-2 o -4 McCauley constant speed B3D37C224-B/G-90RA-9
7.2	Type Certificate:	EASA.IM.P.130 or FAA P25EA or FAA P58GL
8.	Fluids:	
8.1	Fuel:	100/100LL minimum grade aviation gasoline
8.2	Oil:	refer to AFM
9.	Fluid capacities:	
9.1	Fuel:	Standard Fuel Tank Total: 163 Litre Usable: 151,5 Litre
9.2	Oil:	IO-540: Maximum: 7,8 Litre, Minimum: 5,0 Litre O-540: Maximum: 11,8 Litre, Minimum: 8,9 Litre
10.	Air Speeds:	Design Manoevring Speed V_A: 109 KIAS (125 mph) Flap Extended Speed V_{FE}: 82 KIAS (94 mph) Maximum Structural Cruising Speed V_{NO}: 126 KIAS (145 mph) Never Exceed Speed V_{NE}: 156 KIAS (180 mph)

11. (reserved)

12. (reserved)

13. Maximum Weights: Take-off 1134 kg (2500 lbs)

14. Centre of Gravity Range: Forward limit from +38 to + 52 cm at 1134 kg
From +28 to +52 cm at 771kg or less

15. Datum: Wing leading edge

16. (reserved)

17. Levelling Means: levelling lug and mark on bottom side of right wing root

18. Minimum Flight Crew: 1

19. Maximum Passenger Seating Capacity: 3 (optional 4)

20. Baggage/Cargo Compartments: 77 kg at +50,8, 158 kg at +107, 113 kg at +178

21. (Reserved):

S.IV. Operating and Service Instructions

Airplane Flight Manual (AFM)
Model **MX-7-235**, AFM dated 10/18/84 or later approved revision

Maintenance Manual (MM) MM for Model MX-7-235

S.V. Notes:

4. This certification applies to serial numbers MX-7-235,serial numbers 10001C and up, under Production Certificate 11S0
5. Additional equipment refer to AFM
6. Propeller and Propeller limits:
Hartzell constant speed model HC-C2YR-1BF/F8468A-6R or -3R
(-3R use with 7:00 tires or larger/26 psi minimum air pressure.)
Hartzell constant speed 2 blade model HC-C2YR-1BF/F8477D-6
(Use with O-540-J3A5 or O-540-B4B5 engine only)
Hartzell constant speed 3 blade model HC-C3YR-1RF/F7693(F)-( )
(Use with O-540-J3A5, O-540-B4B5, IO-540-W1A5D or IO-540-W1A5 engines only)
Diameter: -3R: Not over 81 in.; not under 77 in.

-6R: Not over 78 in.; not under 77 in.
F8477D-6 or F7693(F)-( ): Not over 78 in.; not under 76 in.
Pitch settings at 30" sta.:
-3R: low 16º +1º high 30º +1º (O-540-J1A5D, O-540-J3A5, IO-540-W1A5D or IO-540-W1A5 engines)
low 13.8º +1º high 30º +1º (O-540-B4B5 engine)
-6R: low 16.7º +1º high 30º +1º (O-540-J1A5D, O-540-J3A5, IO-540-W1A5D or IO-540-W1A5 engines)
low 14.3º +1º high 30º +1º (O-540-B4B5 engine)
F8477D-6: low 16.7º +1º high 30º +1º (O-540-J3A5 engine)
low 14.3º +1º high 30º +1º (O-540-B4B5 engine)
F7693(F)-( ): low 14.2º +1º high 31º +1º (O-540-J3A5, IO-540-W1A5 or IO-540-W1A5D engines)
low 12.5º +1º high 31º +1º (O-540-B4B5 engine)
-6R: Do not exceed 23 in. M.P. below 2050 rpm.
McCauley constant speed 3-blade model B3D32C414-C/G-82NDA-2 or -4*
(-2 use with 7:00 tires or larger)
McCauley constant speed 2-blade model B2D37C224-B/G-90RA-9**
(-9 use with 7:00 tires or larger/26 psi minimum air pressure.)
Diameter: -2: not over 80 in.; not under 76 in.
-4: not over 78 in.; not under 76 in.
-9: not over 81 in.; not under 78 in.
Pitch settings at 30" sta.:
-2 (80"): low 15.0º +0.2º high 30.0º +0.5º (O-540-J1A5D, O-540-J3A5, IO-540-W1A5D or IO-540-W1A5
engines)
low 13.3º +0.2º high 30.0º +0.5º (O-540-B4B5 engine)
-4 (78"): low 15.7º +0.2º high 30.0º +0.5º (O-540-J1A5D, O-540-J3A5, IO-540-W1A5D or IO-540-W1A5
engines)
low 14.0º +0.2º high 30.0º +0.5º (O-540-B4B5 engine)
-9 (81"): low 14.7º +0.2º high 24.6º +0.5º (O-540-J1A5D, O-540-J3A5, IO-540-W1A5D or IO-540-W1A5
engines)
low 13.3º +0.2º high 24.6º +0.5º (O-540-B4B5 engine)
Spinner: Hartzell spinner assembly A2298-2 (use with Hartzell propeller only)
McCauley spinner assembly D-6240 (use with McCauley 3-blade propeller only)
McCauley spinner assembly D-6195 (use with McCauley 2-blade propeller only)
Governor: Woodward F210681*** or B210761 (O-540-J1A5D, O-540-J3A5, IO-540-W1A5D or IO-540-W1A5 only);
E210761 (O-540-B4B5 only)
McCauley C290D3(X)/T30 or DC290D1(X)/T14 (O-540-J1A5D, O-540-J3A5, IO-540-W1A5D or IO-540-W1A5 only);
C290D3(X)/T31 or DC290D1(X)/T15 (O-540-B4B5 only)

* McCauley B3D32C414-C/G-82NDA-4 not approved for installation on M-5-235C with O-540-J1A5D,
O-540-J3A5, IO-540-W1A5D or IO-540-W1A5 engines.
** McCauley B2D37C224-B/G-90RA-9 not approved for installation on M-5-235C, M-6-235, M-7-235, MX-7-235
with O-540-B4B5 engines.
*** For Woodward Governor F210681 on M-5-235C refer to AD#81-25-01 for eligible serial numbers.

ADMINISTRATIVE SECTION

I. Acronyms

A.C. – Advisory Circular
A.D. – Airworthiness Directives
AFM – Airplane Flight Manual
C.G. – Centre of Gravity
CFR – Code of Federal Regulations
CRI – Certification Review Items
CS – Certification Specifications
EASA – European Aviation Safety Agency
EFIS – Electronic Flight Information System
EU – European Union
F.S. – Frame Status
FAA – Federal Aviation Administration
FADEC – Full Authority Digital Engine Control
FT – Feet
GAL - Gallons
ICAO – International Civil Aviation Organization
IFR – Instrument Flight Rules
KCAS – Knots Calibrated Air Speed
KG – Kilo Grams
KIAS – Knots Indicated Air Speed
LBS – Pounds
MIL – Military Standard
MMEL – Master Minimum Equipment List
N.A.A. – National Aviation Authority
RVSM – Reduced Vertical Separation Minimum
S.B. – Service Bulletin
T.O. – Take Off
TC – Type Certificate
TCDS – Type Certificate Data Sheet
TCDSN – Type Certificate Data Sheet - Noise.
TSO – Technical Standards Order
VFR – Visual Flight Rules

II. Type Certificate Holder Record

Maule Aerospace Technology, Inc.
2099 Georgia Highway 133 South
Moultrie, Georgia 31768
USA

III. Change Record

Issue	**Date**	**Changes**
Issue 01	14 Dec 2004	Initial EASA Release
Issue 02	17 Jan 2005	Approval of EDO 797-2500 amphibious floats on M-7-235B
Issue 03	04 Jul 2005	Approval of Wipline Model 3000 amphibious floats on M-7-235B
Issue 04	08 Sep 2005	Approval of Wipline Model 2350 amphibious floats on MX-7-180C
Issue 05	03 Sep 2007	General Correction and approval of M-4-180V
Issue 06	20 May 2011	Administrative addition of M-7-235C, use of new EASA TCDS Format