

European Aviation Safety Agency

EASA

TYPE-CERTIFICATE DATA SHEET FOR NOISE

MS 890 and Rallye 235 Series

Type Certificate Holder:

SOCATA

65921 TARBES Cedex 9
FRANCE

For models :	MS 890 A	MS 893A	Rallye 235 C
	MS 890 B	MS 893B	Rallye 235 E
	MS 892A-150	MS 893E	Rallye 235 E-D
	MS 892B-150	MS 893E-D	Rallye 235 F
	MS 892E-150	MS 894A	
		MS 894C	
		MS 894E	

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Type Certificate Holder **SOCATA** Aircraft Type Designation **MS 890 A**

Engine Manufacturer **Continental** Engine Type Designation **O-300**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter

EASA Record No.	Propeller Manufacturer	Propeller Type Designation	Additional modifications	Maximum Take-off mass (kg)	Take-off dB(A)	
					Level	Limit
C9266	McCauley	1C172/EM7652	none	980	**	**
C9265	McCauley	1C172/MDM7652	none	980	**	**

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Type Certificate Holder	SOCATA	Aircraft Type Designation	MS 890 B
Engine Manufacturer	Continental	Engine Type Designation	O-300
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Chapter

EASA Record No.	Propeller Manufacturer	Propeller Type Designation	Additional modifications	Maximum Take-off mass (kg)	Take-off dB(A)	
					Level	Limit
C10395	McCauley	1C172/EM7652	none	980	**	**
C10396	McCauley	1C172/MDM7652	none	980	**	**

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Type Certificate Holder	SOCATA	Aircraft Type Designation	MS 892A-150
Engine Manufacturer	Lycoming	Engine Type Designation	O-320-E2A
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Chapter

EASA Record No.	Propeller Manufacturer	Propeller Type Designation	Additional modifications	Maximum Take-off mass (kg)	Take-off dB(A)	
					Level	Limit
C9005	McCauley	1C172/MGM7650	none	980	**	**
C10406	McCauley	1C172/MGM7652	none	980	**	**
C10403	Sensenich	74DM-0-54	none	980	**	**
C10404	Sensenich	74DM-0-56	none	980	**	**
C10405	Sensenich	74DM-0-58	none	980	**	**
C10402	Sensenich	74DM6-0-58	none	980	**	**

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Type Certificate Holder	SOCATA	Aircraft Type Designation	MS 892A-150
Engine Manufacturer	Lycoming	Engine Type Designation	O-320-E2A
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Chapter 6

EASA Record No.	Propeller Manufacturer	Propeller Type Designation	Additional modifications	Maximum Take-off mass (kg)	Overflight dB(A)	
					Level	Limit
C5772	Sensenich	74DM6-0-54	none	980	71.6**	73.1**

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Type Certificate Holder	SOCATA	Aircraft Type Designation	MS 892A-150
Engine Manufacturer	Lycoming	Engine Type Designation	O-320-E2A
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Chapter 10

EASA Record No.	Propeller Manufacturer	Propeller Type Designation	Additional modifications	Maximum Take-off mass (kg)	Take-off dB(A)	
					Level	Limit
C113	Sensenich	74DM6-0-56	none	980	82.9**	82.9**

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Type Certificate Holder	SOCATA	Aircraft Type Designation	MS 892B-150
Engine Manufacturer	Lycoming	Engine Type Designation	O-320-E2A
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Chapter

EASA Record No.	Propeller Manufacturer	Propeller Type Designation	Additional modifications	Maximum Take-off mass (kg)	Take-off dB(A)	
					Level	Limit
C10407	McCauley	1C172/MGM7650	none	980	**	**
C10408	McCauley	1C172/MGM7652	none	980	**	**
C10412	Sensenich	74DM-0-54	none	980	**	**
C10413	Sensenich	74DM-0-56	none	980	**	**
C10414	Sensenich	74DM-0-58	none	980	**	**
C10409	Sensenich	74DM6-0-54	none	980	**	**
C10410	Sensenich	74DM6-0-56	none	980	**	**
C10411	Sensenich	74DM6-0-58	none	980	**	**

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Type Certificate Holder	SOCATA	Aircraft Type Designation	MS 892E-150
Engine Manufacturer	Lycoming	Engine Type Designation	O-320-E2A
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Chapter

EASA Record No.	Propeller Manufacturer	Propeller Type Designation	Additional modifications	Maximum Take-off mass (kg)	Take-off dB(A)	
					Level	Limit
C10400	Sensenich	74DM-0-54	none	980	**	**
C10399	Sensenich	74DM-0-56	none	980	**	**
C10401	Sensenich	74DM-0-58	none	980	**	**
C10397	Sensenich	74DM6-0-54	none	980	**	**
C10398	Sensenich	74DM6-0-58	none	980	**	**

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Type Certificate Holder	SOCATA	Aircraft Type Designation	MS 892E-150
Engine Manufacturer	Lycoming	Engine Type Designation	O-320-E2A
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Chapter 10 (10.4a)

EASA Record No.	Propeller Manufacturer	Propeller Type Designation	Additional modifications	Maximum Take-off mass (kg)	Take-off dB(A)	
					Level	Limit
C9029	Sensenich	74DM6-0-56	none	980	82.9**	82.9**

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Type Certificate Holder	SOCATA	Aircraft Type Designation	MS 893A
Engine Manufacturer	Lycoming	Engine Type Designation	O-360-A1A
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Chapter 6

EASA Record No.	Propeller Manufacturer	Propeller Type Designation	Additional modifications	Maximum Take-off mass (kg)	Overflight dB(A)	
					Level	Limit
C5600	Hartzell Propeller Inc.	HC-C2YK-1B/7666A-2	none	1,050	72.6**	74.0**

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Type Certificate Holder	SOCATA	Aircraft Type Designation	MS 893A
Engine Manufacturer	Lycoming	Engine Type Designation	O-360-A2A
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Chapter

EASA Record No.	Propeller Manufacturer	Propeller Type Designation	Additional modifications	Maximum Take-off mass (kg)	Take-off dB(A)	
					Level	Limit
C10415	Hartzell Propeller Inc.	HC-C2YK-1BF/F7666A-2	none	1,050	**	**

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Type Certificate Holder	SOCATA	Aircraft Type Designation	MS 893A
Engine Manufacturer	Lycoming	Engine Type Designation	O-360-A3A
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Chapter

EASA Record No.	Propeller Manufacturer	Propeller Type Designation	Additional modifications	Maximum Take-off mass (kg)	Take-off dB(A)	
					Level	Limit
C9367	Sensenich	76EM8-0-54	none	1,050	**	**
C10416	Sensenich	76EM8-0-56	none	1,050	**	**

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Type Certificate Holder	SOCATA	Aircraft Type Designation	MS 893A
Engine Manufacturer	Lycoming	Engine Type Designation	O-360-A3A
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Chapter 6

EASA Record No.	Propeller Manufacturer	Propeller Type Designation	Additional modifications	Maximum Take-off mass (kg)	Overflight dB(A)	
					Level	Limit
C9025	Sensenich	76EM8-0-58	none	1,050	73.5**	74.0**
C9030	Hartzell Propeller Inc.	HC-C2YK-1BF/F7666A-2	none	1,050	72.6**	74.0**

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Type Certificate Holder	SOCATA	Aircraft Type Designation	MS 893B
Engine Manufacturer	Lycoming	Engine Type Designation	O-360-A1A
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Chapter

EASA Record No.	Propeller Manufacturer	Propeller Type Designation	Additional modifications	Maximum Take-off mass (kg)	Take-off dB(A)	
					Level	Limit
C10417	Hartzell Propeller Inc.	HC-C2YK-1B/7666A-2	none	1,050	**	**

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Type Certificate Holder	SOCATA	Aircraft Type Designation	MS 893B
Engine Manufacturer	Lycoming	Engine Type Designation	O-360-A2A
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Chapter

EASA Record No.	Propeller Manufacturer	Propeller Type Designation	Additional modifications	Maximum Take-off mass (kg)	Take-off dB(A)	
					Level	Limit
C10418	Hartzell Propeller Inc.	HC-C2YK-1BF/F7666A-2	none	1,050	**	**

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Type Certificate Holder	SOCATA	Aircraft Type Designation	MS 893B
Engine Manufacturer	Lycoming	Engine Type Designation	O-360-A3A
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Chapter

EASA Record No.	Propeller Manufacturer	Propeller Type Designation	Additional modifications	Maximum Take-off mass (kg)	Take-off dB(A)	
					Level	Limit
C10419	Sensenich	76EM8-0-54	none	1,050	**	**
C10420	Sensenich	76EM8-0-56	none	1,050	**	**
C10421	Sensenich	76EM8-0-58	none	1,050	**	**
C10422	Hartzell Propeller Inc.	HC-C2YK-1BF/F7666A-2	none	1,050	**	**

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Type Certificate Holder	SOCATA	Aircraft Type Designation	MS 893E
Engine Manufacturer	Lycoming	Engine Type Designation	O-360-A
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Chapter 6

EASA Record No.	Propeller Manufacturer	Propeller Type Designation	Additional modifications	Maximum Take-off mass (kg)	Overflight dB(A)	
					Level	Limit
C5181	Sensenich	76EM8-0-54	none	1,050	73.5**	74.0**
C5182	Sensenich	76EM8-0-56	none	1,050	73.5**	74.0**
C5183	Sensenich	76EM8-0-58	none	1,050	73.5**	74.0**
C5184	Sensenich	76EM8-0-60	none	1,050	73.5**	74.0**
C5177	Sensenich	M76EMM-0-54	none	1,050	73.5**	74.0**
C5178	Sensenich	M76EMM-0-55	none	1,050	73.5**	74.0**
C5179	Sensenich	M76EMM-0-58	none	1,050	73.5**	74.0**
C5180	Sensenich	M76EMM-0-60	none	1,050	73.5**	74.0**

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Type Certificate Holder	SOCATA	Aircraft Type Designation	MS 893E
Engine Manufacturer	Lycoming	Engine Type Designation	O-360-A1A
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Chapter 6

EASA Record No.	Propeller Manufacturer	Propeller Type Designation	Additional modifications	Maximum Take-off mass (kg)	Overflight dB(A)	
					Level	Limit
C763	Hartzell Propeller Inc.	HC-C2YF-1B/7666A-2	none	1,050	72.6**	74.0**

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Type Certificate Holder	SOCATA	Aircraft Type Designation	MS 893E
Engine Manufacturer	Lycoming	Engine Type Designation	O-360-A3A
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Chapter 6

EASA Record No.	Propeller Manufacturer	Propeller Type Designation	Additional modifications	Maximum Take-off mass (kg)	Overflight dB(A)	
					Level	Limit
C5189	Sensenich	76EM8-0-54	none	1,050	73.5**	74.0**
C5190	Sensenich	76EM8-0-56	none	1,050	73.5**	74.0**
C5191	Sensenich	76EM8-0-58	none	1,050	73.5**	74.0**
C5192	Sensenich	76EM8-0-60	none	1,050	73.5**	74.0**
C5185	Sensenich	M76EMM-0-54	none	1,050	73.5**	74.0**
C5186	Sensenich	M76EMM-0-55	none	1,050	73.5**	74.0**
C5187	Sensenich	M76EMM-0-58	none	1,050	73.5**	74.0**
C5188	Sensenich	M76EMM-0-60	none	1,050	73.5**	74.0**

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Type Certificate Holder	SOCATA	Aircraft Type Designation	MS 893E-D
Engine Manufacturer	Lycoming	Engine Type Designation	O-360-A1A
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Chapter 6

EASA Record No.	Propeller Manufacturer	Propeller Type Designation	Additional modifications	Maximum Take-off mass (kg)	Overflight dB(A)	
					Level	Limit
C9326	Hartzell Propeller Inc.	()HC-C2Y()-1B()/()7666A-2	none	1,050	72.6**	74.0**

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Type Certificate Holder	SOCATA	Aircraft Type Designation	MS 894A
Engine Manufacturer	Franklin	Engine Type Designation	6A-350-C1
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Chapter

EASA Record No.	Propeller Manufacturer	Propeller Type Designation	Additional modifications	Maximum Take-off mass (kg)	Take-off dB(A)	
					Level	Limit
C10423	McCauley	2A31C21/84S-8	none	1,100	**	**
C10424	Hartzell Propeller Inc.	HC-C2YF-1B/F8459-4	none	1,100	**	**

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Type Certificate Holder	SOCATA	Aircraft Type Designation	MS 894C
Engine Manufacturer	Franklin	Engine Type Designation	6A-350-C1
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Chapter

EASA Record No.	Propeller Manufacturer	Propeller Type Designation	Additional modifications	Maximum Take-off mass (kg)	Take-off dB(A)	
					Level	Limit
C10433	McCauley	2A31C21/84S-8	none	1,100	**	**
C10425	Hartzell Propeller Inc.	HC-C2YF-1B/F8459-4	none	1,100	**	**

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Type Certificate Holder	SOCATA	Aircraft Type Designation	MS 894E
Engine Manufacturer	Franklin	Engine Type Designation	6A-350-C1
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Chapter

EASA Record No.	Propeller Manufacturer	Propeller Type Designation	Additional modifications	Maximum Take-off mass (kg)	Take-off dB(A)	
					Level	Limit
C10426	McCauley	2A31C21/84S-8	none	1,100	**	**
C9731	Hartzell Propeller Inc.	HC-C2YF-1B/F8459-4	none	1,100	**	**

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Type Certificate Holder* **SOCATA** Aircraft Type Designation* **Rallye 235 C**
 Engine Manufacturer* **Lycoming** Engine Type Designation* **O-540-B4B5**
 Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter* **6**

EASA Record No.	Propeller Manufacturer*	Propeller Type Designation*	Additional modifications**	Maximum Take-off mass* (kg)	Overflight dB(A)	
					Level*	Limit
C5725	Hartzell Propeller Inc.	HC-C2YK-1BF/F8468A-4	none	1,200	73.6	76.0

* Items so marked shall be included on EASA Form 45.

** Additional modifications essential to meet the requirements or needed to attain the certificated noise levels. Items so marked shall be included on EASA Form 45

Type Certificate Holder* **SOCATA** Aircraft Type Designation* **Rallye 235 E**

Engine Manufacturer* **Lycoming** Engine Type Designation* **O-540-B4B5**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter* **6**

EASA Record No.	Propeller Manufacturer *	Propeller Type Designation *	Additional modifications **	Maximum Take-off mass * (kg)	Overflight dB(A)	
					Level *	Limit
C994	Hartzell Propeller Inc.	HC-C2YK-1BF/F8468A-4	none	1,200	74.8	76.0

* Items so marked shall be included on EASA Form 45.

** Additional modifications essential to meet the requirements or needed to attain the certificated noise levels. Items so marked shall be included on EASA Form 45

Type Certificate Holder* **SOCATA** Aircraft Type Designation* **Rallye 235 E-D**
 Engine Manufacturer* **Lycoming** Engine Type Designation* **O-540-B4B5**
 Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter* **6**

EASA Record No.	Propeller Manufacturer *	Propeller Type Designation *	Additional modifications **	Maximum Take-off mass * (kg)	Overflight dB(A)	
					Level *	Limit
C5358	Hartzell Propeller Inc.	HC-C2YK-1BF/F8468A-4	none	1,200	74.9	76.0

* Items so marked shall be included on EASA Form 45.

** Additional modifications essential to meet the requirements or needed to attain the certificated noise levels. Items so marked shall be included on EASA Form 45

Type Certificate Holder *

SOCATA

Aircraft Type Designation *

Rallye 235 F

Engine Manufacturer *

Lycoming

Engine Type Designation *

O-540-B4B5

Noise Certification Basis

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Chapter *

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EASA Record No.	Propeller Manufacturer *	Propeller Type Designation *	Additional modifications **	Maximum Take-off mass * (kg)	Overflight dB(A)	
					Level *	Limit
C10099	Hartzell Propeller Inc.	HC-C2YK-1BF/F8468A-4	none	1,250	73.6	76.7

* Items so marked shall be included on EASA Form 45.

** Additional modifications essential to meet the requirements or needed to attain the certificated noise levels. Items so marked shall be included on EASA Form 45

Change Record

Issue	Date	Changes
Issue 1	15 June 2011	Initial issue.