



TYPE-CERTIFICATE DATA SHEET FOR NOISE

No. EASA.A.377

for

MS 880 and Rally 100 Series

Type Certificate Holder:

SOCATA

65921 TARBES Cedex 9

FRANCE

For models:

MS 880B

MS 881

MS 883

MS 884

MS 885

MS 886

MS 887

Rallye 100 S

Rallye 100 S-D

Rallye 100 ST

Rallye 100 ST-D

Rallye 110 ST

Rallye 150 ST

Rallye 150 ST-D

Rallye 150 SV

Rallye 150 SVS

Rallye 150 T

Rallye 150 T-D

Rallye 180 T

Rallye 180 T-D



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Type Certificate Holder **SOCATA** Aircraft Type Designation **MS 880B**

Engine Manufacturer **Teledyne Continental** Engine Type Designation **O-200-A**

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

EASA Record No.	Propeller Manufacturer	Propeller Type Designation	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels	Maximum Take-off mass (kg)	Overflight dB(A)		See Note
					Level	Limit	
C659	McCauley	1A101/DCM6948	none	770	70.3	70.3	2
C660	McCauley	1A105/SCM7146	none	770	69.0	70.3	2



Type Certificate Holder **SOCATA** Aircraft Type Designation **MS 881**

Engine Manufacturer **Potez** Engine Type Designation **4E20()**

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

EASA Record No.	Propeller Manufacturer	Propeller Type Designation	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels	Maximum Take-off mass (kg)	Take-off dB(A)		See Note
					Level	Limit	
C10439	Ratier	2446	none	800	-		2
C10441	Ratier	FH 110	none	800	-		2
C10440	Ratier	2446	none	770	-		2
C10442	Ratier	FH 110	none	770	-		2



Type Certificate Holder	SOCATA	Aircraft Type Designation	MS 883
Engine Manufacturer	Lycoming	Engine Type Designation	O-235-C2A
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Chapter 6

EASA Record No.	Propeller Manufacturer	Propeller Type Designation	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels	Maximum Take-off mass (kg)	Overflight dB(A)		See Note
					Level	Limit	
C5688	Sensenich	76AKS6-2-44	none	825	68.0	71.0	2



Type Certificate Holder **SOCATA** Aircraft Type Designation **MS 884**

Engine Manufacturer **Franklin** Engine Type Designation **4A-235-B3**

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

EASA Record No.	Propeller Manufacturer	Propeller Type Designation	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels	Maximum Take-off mass (kg)	Take-off dB(A)		See Note
					Level	Limit	
C10348	Sensenich	M72CCS-0-54	none	850	-		2



Type Certificate Holder **SOCATA** Aircraft Type Designation **MS 885**

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

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

EASA Record No.	Propeller Manufacturer	Propeller Type Designation	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels	Maximum Take-off mass (kg)	Overflight dB(A)		See Note
					Level	Limit	
C662	McCauley	1C170/DM7652	none	850	69.3	71.3	2
C5528	McCauley	1C172/DTM7652	none	850	69.3	71.3	2
C663	McCauley	1C172/EM7652	none	850	69.3	71.3	2
C664	McCauley	1C172/EM7653	none	850	69.3	71.3	2
C665	McCauley	1C172/EM7656	none	850	69.3	71.3	2
C666	McCauley	1C172/EM7658	none	850	69.3	71.3	2
C667	McCauley	1C172/MDM7652	none	850	69.3	71.3	2
C668	McCauley	1C172/MDM7653	none	850	69.3	71.3	2
C669	McCauley	1C172/MDM7656	none	850	69.3	71.3	2
C670	McCauley	1C172/MDM7658	none	850	69.3	71.3	2



Type Certificate Holder **SOCATA** Aircraft Type Designation **MS 885**

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

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

EASA Record No.	Propeller Manufacturer	Propeller Type Designation	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels	Maximum Take-off mass (kg)	Overflight dB(A)		See Note
					Level	Limit	
C671	McCauley	1C170/DM7652	none	850	69.3	71.3	2
C672	McCauley	1C172/EM7652	none	850	69.3	71.3	2
C673	McCauley	1C172/EM7653	none	850	69.3	71.3	2
C674	McCauley	1C172/EM7656	none	850	69.3	71.3	2
C675	McCauley	1C172/EM7658	none	850	69.3	71.3	2
C676	McCauley	1C172/MDM7652	none	850	69.3	71.3	2
C677	McCauley	1C172/MDM7653	none	850	69.3	71.3	2
C678	McCauley	1C172/MDM7656	none	850	69.3	71.3	2
C679	McCauley	1C172/MDM7658	none	850	69.3	71.3	2



Type Certificate Holder	SOCATA	Aircraft Type Designation	MS 885
Engine Manufacturer	Teledyne Continental	Engine Type Designation	O-300-C
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Chapter 6

EASA Record No.	Propeller Manufacturer	Propeller Type Designation	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels	Maximum Take-off mass (kg)	Overflight dB(A)		See Note
					Level	Limit	
C680	McCauley	1C172/EM7652	none	850	69.3	71.3	2
C681	McCauley	1C172/EM7653	none	850	69.3	71.3	2
C682	McCauley	1C172/EM7656	none	850	69.3	71.3	2
C683	McCauley	1C172/EM7658	none	850	69.3	71.3	2



Type Certificate Holder **SOCATA** Aircraft Type Designation **MS 885**

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

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

EASA Record No.	Propeller Manufacturer	Propeller Type Designation	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels	Maximum Take-off mass (kg)	Overflight dB(A)		See Note
					Level	Limit	
C684	McCauley	1C172/EM7652	none	850	69.3	71.3	2
C685	McCauley	1C172/EM7653	none	850	69.3	71.3	2
C686	McCauley	1C172/EM7656	none	850	69.3	71.3	2
C687	McCauley	1C172/EM7658	none	850	69.3	71.3	2



Type Certificate Holder	SOCATA	Aircraft Type Designation	MS 886
Engine Manufacturer	Lycoming	Engine Type Designation	O-320-E()
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Chapter

EASA Record No.	Propeller Manufacturer	Propeller Type Designation	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels	Maximum Take-off mass (kg)	Take-off dB(A)		See Note
					Level	Limit	
C10347	McCauley	1C172/MGM7650	none	850	-		2



Type Certificate Holder	SOCATA	Aircraft Type Designation	MS 887
Engine Manufacturer	Lycoming	Engine Type Designation	O-235-F2A
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Chapter

EASA Record No.	Propeller Manufacturer	Propeller Type Designation	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels	Maximum Take-off mass (kg)	Take-off dB(A)		See Note
					Level	Limit	
C10349	McCauley	1A135/KCM7147	none	840	-		2



Type Certificate Holder **SOCATA** Aircraft Type Designation **Rallye 100 S**

Engine Manufacturer **Continental** Engine Type Designation **O-200-A**

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

EASA Record No.	Propeller Manufacturer	Propeller Type Designation	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels	Maximum Take-off mass (kg)	Take-off dB(A)		See Note
					Level	Limit	
C10345	McCauley	1A101/DCM6948	none	750	-		2
C10346	McCauley	1A105/SCM7146	none	750	-		2



Type Certificate Holder ¹	SOCATA	Aircraft Type Designation ¹	Rallye 100 S-D
Engine Manufacturer ¹	Continental	Engine Type Designation ¹	O-200-A
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Chapter ¹ 6

EASA Record No.	Propeller Manufacturer ¹	Propeller Type Designation ¹	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels	Maximum Take-off mass ¹ (kg)	Overflight dB(A)		See Note
					Level ¹	Limit	
C872	McCauley	1A101/DCM6946	none	750	67.6	70.0	-
C874	McCauley	1A101/DCM6948	none	750	67.6	70.0	-
C5279	McCauley	1A101/DCM6948	none	750	67.6	70.0	-

¹ See Note 1.



Type Certificate Holder ¹	SOCATA	Aircraft Type Designation ¹	Rallye 100 ST
Engine Manufacturer ¹	Teledyne Continental	Engine Type Designation ¹	O-200-A
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Chapter ¹ 6

EASA Record No.	Propeller Manufacturer ¹	Propeller Type Designation ¹	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels	Maximum Take-off mass ¹ (kg)	Overflight dB(A)		See Note
					Level ¹	Limit	
C875	McCauley	1A101/DCM6948	none	770	68.2	70.3	-

¹ See Note 1.



Type Certificate Holder ¹	SOCATA	Aircraft Type Designation ¹	Rallye 100 ST
Engine Manufacturer ¹	Lycoming	Engine Type Designation ¹	O-235-L2A
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Chapter ¹ 6

EASA Record No.	Propeller Manufacturer ¹	Propeller Type Designation ¹	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels	Maximum Take-off mass ¹ (kg)	Overflight dB(A)		See Note
					Level ¹	Limit	
C876	McCauley	1A103/TCM6958	none	770	69.1	70.3	-

¹ See Note 1.



Type Certificate Holder¹ **SOCATA** Aircraft Type Designation¹ **Rallye 100 ST-D**

Engine Manufacturer¹ **Teledyne Continental** Engine Type Designation¹ **O-200-A**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter¹ **6**

EASA Record No.	Propeller Manufacturer ¹	Propeller Type Designation ¹	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels	Maximum Take-off mass ¹ (kg)	Overflight dB(A)		See Note
					Level ¹	Limit	
C878	McCauley	1A101/DCM6946	none	770	68.2	70.3	-
C991	McCauley	1A101/DCM6948	none	770	68.2	70.3	-

¹ See Note 1.



Type Certificate Holder ¹	SOCATA	Aircraft Type Designation ¹	Rallye 110 ST
Engine Manufacturer ¹	Lycoming	Engine Type Designation ¹	O-235-L2A
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Chapter ¹ 6

EASA Record No.	Propeller Manufacturer ¹	Propeller Type Designation ¹	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels	Maximum Take-off mass ¹ (kg)	Overflight dB(A)		See Note
					Level ¹	Limit	
C995	McCauley	1A103/TCM6958	none	770	69.1	70.3	-

¹ See Note 1.



Type Certificate Holder ¹	SOCATA	Aircraft Type Designation ¹	Rallye 110 ST
Engine Manufacturer ¹	Lycoming	Engine Type Designation ¹	O-235-L2C
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Chapter ¹ 6

EASA Record No.	Propeller Manufacturer ¹	Propeller Type Designation ¹	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels	Maximum Take-off mass ¹ (kg)	Overflight dB(A)		See Note
					Level ¹	Limit	
C999	McCauley	1A103/TCM6958	none	770	69.1	70.3	-

¹ See Note 1.



Type Certificate Holder **SOCATA** Aircraft Type Designation **Rallye 150 ST**

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 essential to meet the requirements or needed to attain the certificated noise levels	Maximum Take-off mass (kg)	Take-off dB(A)		See Note
					Level	Limit	
C8813	Sensenich	74DM6-0-56	none	870	-		2



Type Certificate Holder **SOCATA** Aircraft Type Designation **Rallye 150 ST-D**

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 essential to meet the requirements or needed to attain the certificated noise levels	Maximum Take-off mass (kg)	Overflight dB(A)		See Note
					Level	Limit	
C10001	Sensenich	74DM6-0-56	none	870	70.2	71.6	2



Type Certificate Holder ¹	SOCATA	Aircraft Type Designation ¹	Rallye 150 SV
Engine Manufacturer ¹	Lycoming	Engine Type Designation ¹	O-320-D2A
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Chapter ¹ 6

EASA Record No.	Propeller Manufacturer ¹	Propeller Type Designation ¹	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels	Maximum Take-off mass ¹ (kg)	Overflight dB(A)		See Note
					Level ¹	Limit	
C1003	Sensenich	74DM-0-61	none	870	64.9	71.6	-

¹ See Note 1.



Type Certificate Holder¹ **SOCATA** Aircraft Type Designation¹ **Rallye 150 SVS**

Engine Manufacturer¹ **Lycoming** Engine Type Designation¹ **O-320-D2A**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter¹ **6**

EASA Record No.	Propeller Manufacturer ¹	Propeller Type Designation ¹	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels	Maximum Take-off mass ¹ (kg)	Overflight dB(A)		See Note
					Level ¹	Limit	
C1010	Sensenich	74DM6-0-61	Silencer : Thielmann	870	62.3	71.6	-

¹ See Note 1.



Type Certificate Holder ¹	SOCATA	Aircraft Type Designation ¹	Rallye 150 T
Engine Manufacturer ¹	Lycoming	Engine Type Designation ¹	O-320-E2A
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Chapter ¹ 6

EASA Record No.	Propeller Manufacturer ¹	Propeller Type Designation ¹	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels	Maximum Take-off mass ¹ (kg)	Overflight dB(A)		See Note
					Level ¹	Limit	
C9369	Sensenich	74DM6-0-54	none	950	72.0	72.7	-
C8978	Sensenich	74DM6-0-56	none	950	72.4	72.7	-

¹ See Note 1.



Type Certificate Holder ¹	SOCATA	Aircraft Type Designation ¹	Rallye 150 T-D
Engine Manufacturer ¹	Lycoming	Engine Type Designation ¹	O-320-E()
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Chapter ¹ 6

EASA Record No.	Propeller Manufacturer ¹	Propeller Type Designation ¹	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels	Maximum Take-off mass ¹ (kg)	Overflight dB(A)		See Note
					Level ¹	Limit	
C1016	Sensenich	74DM6-0-54	none	950	72.0	72.7	-

¹ See Note 1.



Type Certificate Holder¹ **SOCATA** Aircraft Type Designation¹ **Rallye 180 T**

Engine Manufacturer¹ **Lycoming** Engine Type Designation¹ **O-360-A3A**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter¹ **6**

EASA Record No.	Propeller Manufacturer ¹	Propeller Type Designation ¹	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels	Maximum Take-off mass ¹ (kg)	Overflight dB(A)		See Note
					Level ¹	Limit	
C1019	Sensenich	76EM8-0-54	Silencer : Thielmann	950	63.1	72.7	-
C5628	Sensenich	76EM8-0-54	none	950	69.0	72.7	-

¹ See Note 1.



Type Certificate Holder¹ **SOCATA** Aircraft Type Designation¹ **Rallye 180 T-D**

Engine Manufacturer¹ **Lycoming** Engine Type Designation¹ **O-360-A3A**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter¹ **6**

EASA Record No.	Propeller Manufacturer ¹	Propeller Type Designation ¹	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels	Maximum Take-off mass ¹ (kg)	Overflight dB(A)		See Note
					Level ¹	Limit	
C10443	Sensenich	76EM8-0-54	Maximum continuous power limited to 2575 RPM	950	69.0	72.7	-
C10444	Sensenich	76EM8-0-56	Maximum continuous power limited to 2575 RPM	950	69.4	72.7	-

¹ See Note 1.



TCDSN EASA.A.377 Notes

1. Items so marked shall be included on EASA Form 45.
2. This aircraft type conforms with the provisions of Article 6.1 of Regulation 216/2008 without the need to comply with the Standards of ICAO Annex 16, Volume I, by virtue of the date of type certification. However individual examples of this type which were first issued with a certificate of airworthiness on or after 1 January 1980 are required to demonstrate compliance with the Standards of ICAO Annex 16, Volume I, Chapter 6.



Change Record

Issue	Date	Changes
Issue 1	29 June 2011	Initial issue
Issue 2	28 May 2015	Revised

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