



TYPE-CERTIFICATE DATA SHEET FOR NOISE

No. EASA.A.348

for

Fournier-Pützer Powered Sailplanes

Type Certificate Holder:

Sportavia-Pützer TC-Services GmbH

Am Wichelshof 44

53129 Bonn

Germany

For models:

Fournier RF 3

Fournier RF 4D

Fournier RF 5

SFS 31 "Milan"

Sportavia-Pützer RF 5 B "Sperber"



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Type Certificate Holder¹ **Sportavia-Pützer TC-Services GmbH** Aircraft Type Designation¹ **Fournier RF 3**

Engine Manufacturer¹ **RECTIMO** Engine Type Designation¹ **4AR-1200**

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 ¹	Maximum Take-Off Mass ¹ (kg)	Overflight dB(A)		See Note
					Level ¹	Limit	
C14422	Hoffmann Propeller	HO-11-133-S-70-L	None	350	62.0	68.0	2
C14430	Hoffmann Propeller	HOCO F-H2/S 11 * 133 70 6.8L	None	350	62.0	68.0	2

¹ See Note 1.



Type Certificate Holder¹ **Sportavia-Pützer TC-Services GmbH** Aircraft Type Designation¹ **Fournier RF 3**

Engine Manufacturer¹ **RECTIMO** Engine Type Designation¹ **4AR-1200**

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

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 ¹	Maximum Take-Off Mass ¹ (kg)	Take-Off dB(A)		See Note
					Level ¹	Limit	
C14420	EVRA	D9.27	None	350			2
C14421	EVRA	D9.28	None	350			2

¹ See Note 1.



Type Certificate Holder¹ **Sportavia-Pützer TC-Services GmbH** Aircraft Type Designation¹ **Fournier RF 4D**

Engine Manufacturer¹ **RECTIMO** Engine Type Designation¹ **4AR-1200**

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 ¹	Maximum Take-Off Mass ¹ (kg)	Overflight dB(A)		See Note
					Level ¹	Limit	
C383	Hoffmann Propeller	HO-11-133-S-70-L	None	390	63.7	68.0	-
C14423	Hoffmann Propeller	HOCO F-H2/S 11* 133 70 6.8L	None	390	63.7	68.0	-

¹ See Note 1.



Type Certificate Holder¹ **Sportavia-Pützer TC-Services GmbH** Aircraft Type Designation¹ **Fournier RF 4D**

Engine Manufacturer¹ **Limbach** Engine Type Designation¹ **L 1700 EA.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 ¹	Maximum Take-Off Mass ¹ (kg)	Overflight dB(A)		See Note
					Level ¹	Limit	
C4573	MT-Propeller Entwicklung GmbH	MT 133 L 100-1A	Silencer: FBW	390	57.2	68.0	-
C4575	MT-Propeller Entwicklung GmbH	MT 133 L 100-1A	None	390	61.8	68.0	-

¹ See Note 1.



Type Certificate Holder¹ **Sportavia-Pützer TC-Services GmbH** Aircraft Type Designation¹ **Fournier RF 5**

Engine Manufacturer¹ **Limbach** Engine Type Designation¹ **L 1700 E0 1**

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 ¹	Maximum Take-Off Mass ¹ (kg)	Overflight dB(A)		See Note
					Level ¹	Limit	
C14431	Hoffmann Propeller	HO-V62-R/L150A	None	650	66.3	68.7	-

¹ See Note 1.



Type Certificate Holder¹ **Sportavia-Pützer TC-Services GmbH** Aircraft Type Designation¹ **Fournier RF 5**

Engine Manufacturer¹ **Limbach** Engine Type Designation¹ **L 1700 E0 2**

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 ¹	Maximum Take-Off Mass ¹ (kg)	Overflight dB(A)		See Note
					Level ¹	Limit	
C14425	Hoffmann Propeller	HO-11-A 145-B-80-L	None	650	65.6	68.7	-
C14426	Hoffmann Propeller	HO-11*-145-B-80-L	None	650	65.6	68.7	-

¹ See Note 1.



Type Certificate Holder¹ **Sportavia-Pützer TC-Services GmbH** Aircraft Type Designation¹ **Fournier RF 5**

Engine Manufacturer¹ **Limbach** Engine Type Designation¹ **L 2000 E0 1**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter¹ **10 (10.4a)**

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 ¹	Maximum Take-Off Mass ¹ (kg)	Take-Off dB(A)		See Note
					Level ¹	Limit	
C5243	MT-Propeller Entwicklung GmbH	MTV-1-A/L 160-03	None	650	70.2	77.1	-

¹ See Note 1.



Type Certificate Holder¹ **Sportavia-Pützer TC-Services GmbH** Aircraft Type Designation¹ **Fournier RF 5**

Engine Manufacturer¹ **Limbach** Engine Type Designation¹ **L 2000 E0 1**

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 ¹	Maximum Take-Off Mass ¹ (kg)	Overflight dB(A)		See Note
					Level ¹	Limit	
C4582	Hoffmann Propeller	HO-11-A-150-B-90-L	None	650	63.7	68.7	-
C10105	Hoffmann Propeller	HO-V62-R-L160BT	None	650	64.6	68.7	-
C14432	Hoffmann Propeller	HO-V62-R-L160T	None	650	64.6	68.7	-
C14433	Hoffmann Propeller	HO-V62A/VL160BT	None	650	64.6	68.7	-

¹ See Note 1.



Type Certificate Holder¹ **Sportavia-Pützer TC-Services GmbH** Aircraft Type Designation¹ **Fournier RF 5**

Engine Manufacturer¹ **Sauer Flugmotorenbau GmbH** Engine Type Designation¹ **S 2100-1-SS1**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter¹ **10 (10.4a)**

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 ¹	Maximum Take-Off Mass ¹ (kg)	Take-Off dB(A)		See Note
					Level ¹	Limit	
C380	Hoffmann Propeller	HO-V62-R-L160BT	None	650	70.4	77.1	-

¹ See Note 1.



Type Certificate Holder¹ **Sportavia-Pützer TC-Services GmbH** Aircraft Type Designation¹ **Fournier RF 5**

Engine Manufacturer¹ **Sauer Flugmotorenbau GmbH** Engine Type Designation¹ **S 2100-1-SS1**

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 ¹	Maximum Take-Off Mass ¹ (kg)	Overflight dB(A)		See Note
					Level ¹	Limit	
C4584	MT-Propeller Entwicklung GmbH	MTV-1-A/L 160-03	None	650	58.5	68.7	-

¹ See Note 1.



Type Certificate Holder¹ **Sportavia-Pützer TC-Services GmbH** Aircraft Type Designation¹ **Fournier RF 5**

Engine Manufacturer¹ **Sauer Flugmotorenbau GmbH** Engine Type Designation¹ **S 2500-1-HS1**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter¹ **10 (10.4a)**

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 ¹	Maximum Take-Off Mass ¹ (kg)	Take-Off dB(A)		See Note
					Level ¹	Limit	
C382	MT-Propeller Entwicklung GmbH	MTV-21-A/L160-03	None	650	73.1	77.1	-
C14438	MT-Propeller Entwicklung GmbH	MTV-1-A/L160-03	None	650	73.1	77.1	-

¹ See Note 1.



Type Certificate Holder¹ **Sportavia-Pützer TC-Services GmbH** Aircraft Type Designation¹ **SFS 31 “Milan”**

Engine Manufacturer¹ **RECTIMO** Engine Type Designation¹ **4 AR 1200**

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 ¹	Maximum Take-Off Mass ¹ (kg)	Overflight dB(A)		See Note
					Level ¹	Limit	
C14429	Hoffmann Propeller	HO 11* 133 S 70 L	None	440	63.7	68.0	-

¹ See Note 1.



Type Certificate Holder ¹	Sportavia-Pützer TC-Services GmbH	Aircraft Type Designation ¹	Sportavia-Pützer RF 5 B "Sperber"
Engine Manufacturer ¹	Sauer Flugmotorenbau GmbH	Engine Type Designation ¹	() 2100 (-)-()
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Chapter ¹ 10 (10.4a)

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 ¹	Maximum Take-Off Mass ¹ (kg)	Take-Off dB(A)		See Note
					Level ¹	Limit	
C379	Hoffmann Propeller	HO-V62-R-L160BT	None	700	70.5	78.2	-
C378	Hoffmann Propeller	HO-V62-R-L160BT	None	680	70.5	77.8	-

¹ See Note 1.



Type Certificate Holder¹ **Sportavia-Pützer TC-Services GmbH** Aircraft Type Designation¹ **Sportavia-Pützer RF 5 B “Sperber”**

Engine Manufacturer¹ **Sauer Flugmotorenbau GmbH** Engine Type Designation¹ **() 2100 (-)-()**

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 ¹	Maximum Take-Off Mass ¹ (kg)	Overflight dB(A)		See Note
					Level ¹	Limit	
C4589	MT-Propeller Entwicklung GmbH	MTV-1-A/L 160-03	None	700	58.1	69.3	-
C4590	MT-Propeller Entwicklung GmbH	MTV-1-A/L 160-03	None	680	58.1	69.1	-

¹ See Note 1.



Type Certificate Holder¹ **Sportavia-Pützer TC-Services GmbH** Aircraft Type Designation¹ **Sportavia-Pützer RF 5 B “Sperber”**

Engine Manufacturer¹ **Limbach** Engine Type Designation¹ **L 1700 E0 1**

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 ¹	Maximum Take-Off Mass ¹ (kg)	Overflight dB(A)		See Note
					Level ¹	Limit	
C10765	Hoffmann Propeller	HO-V62-R-L150A	None	700	62.5	69.3	-
C5700	Hoffmann Propeller	HO-V62-R-L150A	None	680	62.4	69.1	-

¹ See Note 1.



Type Certificate Holder¹ **Sportavia-Pützer TC-Services GmbH** Aircraft Type Designation¹ **Sportavia-Pützer RF 5 B “Sperber”**

Engine Manufacturer¹ **Limbach** Engine Type Designation¹ **L 1700 E0 2**

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 ¹	Maximum Take-Off Mass ¹ (kg)	Overflight dB(A)		See Note
					Level ¹	Limit	
C5685	Hoffmann Propeller	HO-11()-145-B-80-L	None	680	61.6	69.1	-
C5686	Hoffmann Propeller	HO-V62-R-L150A	None	680	62.4	69.1	-

¹ See Note 1.



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Engine Manufacturer¹ **Limbach** Engine Type Designation¹ **L 2000 E0 1**

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 ¹	Maximum Take-Off Mass ¹ (kg)	Overflight dB(A)		See Note
					Level ¹	Limit	
C4586	Hoffmann Propeller	HO-V62-A-VL160BT	None	700	56.8	69.3	-
C4588	Hoffmann Propeller	HO-V62-R-L160BT	None	700	56.8	69.3	-
C5588	Hoffmann Propeller	HO-V62-R-L160BT	None	680	56.8	69.1	-
C4587	Hoffmann Propeller	HO-V62-R-L-160-T	None	700	56.8	69.3	-
C11272	MT-Propeller Entwicklung GmbH	MTV-1-A/L 160-03	None	700	64.9	69.3	-

¹ See Note 1.



CS-36 Amendment level

ICAO, Annex 16, Volume I Amendment level	7	8	9	10	11-B	12
Corresponding CS-36 Amendment level	Initial	1	2	3	4	5

TCDSN EASA.A.348 Notes

1. In cases where it is appropriate to issue a noise certificate, items so marked shall be included on EASA Form 45.
2. This aircraft type conforms with the provisions of Article 6.1 of Regulation 2018/1139 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
01	21 December 2020	Initial Issue

