Issue: 1





# 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"



Fournier-Pützer Powered Sailplanes

Page 2 of 21

TCDSN No.: EASA.A.348 Date: 21 December 2020 Issue: 1

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Issue: 1

Page 3 of 21 Date: 21 December 2020

Type Certificate Holder<sup>1</sup> Sportavia-Pützer TC-Services GmbH Aircraft Type Designation<sup>1</sup> Fournier RF 3

Engine Manufacturer<sup>1</sup> RECTIMO Engine Type Designation<sup>1</sup> 4AR-1200

EASA Record No.	Propeller Manufacturer <sup>1</sup>	Propeller Type Designation <sup>1</sup>	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels <sup>1</sup>	Maximum	Overflight dB(A)		See
				Take-Off Mass¹ (kg)	Level <sup>1</sup>	Limit	Note
C14422	Hoffmann	HO-11-133-S-70-L	None	350	62.0	68.0	2
C14422	Propeller	110-11-133-3-70-1	None	330	02.0	08.0	
C14430	Hoffmann	HOCO F-H2/S 11* 133	None	350	62.0	68.0	2
C14430	Propeller	70 6.8L	None	330	02.0	00.0	2

<sup>&</sup>lt;sup>1</sup> See Note 1.



TCDSN No.: EASA.A.348
Page 4 of 21

Issue: 1 Date: 21 December 2020

Type Certificate Holder<sup>1</sup> Sportavia-Pützer TC-Services GmbH Aircraft Type Designation<sup>1</sup> Fournier RF 3

Engine Manufacturer<sup>1</sup> RECTIMO Engine Type Designation<sup>1</sup> 4AR-1200

FACA	Propeller	Propeller Type	Additional modifications essential to meet the	Maximum	Take-O	ff dB(A)	S00
EASA Record No.	Manufacturer <sup>1</sup>	Designation <sup>1</sup>	requirements or needed to attain the certificated noise levels <sup>1</sup>	Take-Off Mass <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	See Note
C14420	EVRA	D9.27	None	350			2
C14421	EVRA	D9.28	None	350			2

<sup>&</sup>lt;sup>1</sup> See Note 1.



Issue: 1

Page 5 of 21 Date: 21 December 2020

Type Certificate Holder<sup>1</sup> Sportavia-Pützer TC-Services GmbH Aircraft Type Designation<sup>1</sup> Fournier RF 4D

Engine Manufacturer<sup>1</sup> RECTIMO Engine Type Designation<sup>1</sup> 4AR-1200

EASA Record No.	Propeller	Propeller Type Designation <sup>1</sup>	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels <sup>1</sup>	Maximum	Overflight dB(A)		See
	Manufacturer <sup>1</sup>			Take-Off Mass¹ (kg)	Level <sup>1</sup>	Limit	Note
C383	Hoffmann	HO-11-133-S-70-L	None	390	63.7	68.0	_
6363	Propeller	110 11 133 3 70 2	None	330	03.7	00.0	
C14423	Hoffmann	HOCO F-H2/S 11* 133	None	200	62.7	60.0	
C14423	Propeller	70 6.8L	None	390	63.7	68.0	-

<sup>&</sup>lt;sup>1</sup> See Note 1.



Issue: 1

Type Certificate Holder<sup>1</sup> Sportavia-Pützer TC-Services GmbH Aircraft Type Designation<sup>1</sup> Fournier RF 4D

Engine Manufacturer<sup>1</sup> Limbach Engine Type Designation<sup>1</sup> L 1700 EA.A

Noise Certification Basis ICAO Annex 16, Volume I Edition / Amendment Chapter<sup>1</sup> 6

EASA Record No.	Propeller Manufacturer <sup>1</sup>	Propeller Type Designation <sup>1</sup>	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels <sup>1</sup>	Maximum Take-Off Mass <sup>1</sup> (kg)	Overflight dB(A)		See
					Level <sup>1</sup>	Limit	Note
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	-

<sup>&</sup>lt;sup>1</sup> See Note 1.



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Page 6 of 21

Date: 21 December 2020

Issue: 1

Page 7 of 21 Date: 21 December 2020

Type Certificate Holder<sup>1</sup> Sportavia-Pützer TC-Services GmbH Aircraft Type Designation<sup>1</sup> Fournier RF 5

Engine Manufacturer<sup>1</sup> Limbach Engine Type Designation<sup>1</sup> L 1700 E0 1

Noise Certification Basis ICAO Annex 16, Volume I Edition / Amendment Chapter<sup>1</sup> 6

EASA	Propeller	Propeller Type	Additional modifications essential to meet the	Maximum	Overflig	ht dB(A)	Soo
Record No.	Manufacturer <sup>1</sup>	Designation <sup>1</sup>	requirements or needed to attain the certificated noise levels <sup>1</sup>	Take-Off Mass¹ (kg)	Level <sup>1</sup>	Limit	See Note
C14431	Hoffmann Propeller	HO-V62-R/L150A	None	650	66.3	68.7	-

<sup>1</sup> See Note 1.



Issue: 1

Page 8 of 21 Date: 21 December 2020

Type Certificate Holder<sup>1</sup> Sportavia-Pützer TC-Services GmbH Aircraft Type Designation<sup>1</sup> Fournier RF 5

Engine Manufacturer<sup>1</sup> Limbach Engine Type Designation<sup>1</sup> L 1700 E0 2

EASA Record No.	Propeller Manufacturer <sup>1</sup>	Propeller Type Designation <sup>1</sup>	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels <sup>1</sup>	Maximum	Overflight dB(A)		See
				Take-Off Mass¹ (kg)	Level <sup>1</sup>	Limit	Note
C14425	Hoffmann	HO-11-A 145-B-80-L	None	650	65.6	68.7	_
C14423	Propeller	110-11-A 143-D-00-L	None	030	5.	00.7	_
C14426	Hoffmann	HO-11*-145-B-80-L	None	650	65.6	68.7	
C14426	Propeller	HO-11*-145-D-60-L	None	650	05.0	00.7	1

<sup>&</sup>lt;sup>1</sup> See Note 1.



Page 9 of 21 TCDSN No.: EASA.A.348 Date: 21 December 2020

Issue: 1

Type Certificate Holder<sup>1</sup> Sportavia-Pützer TC-Services GmbH Aircraft Type Designation<sup>1</sup> **Fournier RF 5** 

Engine Manufacturer<sup>1</sup> Limbach Engine Type Designation<sup>1</sup> L 2000 E0 1

EASA	Propeller	Propeller Type	Additional modifications essential to meet the	Maximum	Take-Off dB(A)		See
Record No.	Manufacturer <sup>1</sup>	Designation <sup>1</sup>	requirements or needed to attain the certificated noise levels $^{\! 1}$	Take-Off Mass <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Note
C5243	MT-Propeller Entwicklung GmbH	MTV-1-A/L 160-03	None	650	70.2	77.1	-

<sup>&</sup>lt;sup>1</sup> See Note 1.



Page 10 of 21 TCDSN No.: EASA.A.348 Date: 21 December 2020

Issue: 1

Type Certificate Holder<sup>1</sup> Sportavia-Pützer TC-Services GmbH Aircraft Type Designation<sup>1</sup> Fournier RF 5

Engine Type Designation<sup>1</sup> Engine Manufacturer<sup>1</sup> Limbach L 2000 E0 1

Noise Certification Basis ICAO Annex 16, Volume I Edition / Amendment Chapter<sup>1</sup> 6

EASA	Propeller Manufacturer <sup>1</sup>	Propeller Type  Designation <sup>1</sup> Additional modifications essential to meet the requirements or needed to attain the certificated noise levels <sup>1</sup>	Additional modifications essential to meet the	Maximum	Overflight dB(A)		See Note
Record No.			Take-Off Mass¹ (kg)	Level <sup>1</sup>	Limit		
C4582	Hoffmann	HO-11-A-150-B-90-L	None	650	63.7	68.7	_
C4382	Propeller	110-11-A-130-D-30-L	None	030	03.7	00.7	_
C10105	Hoffmann	HO-V62-R-L160BT	None	650	64.6	68.7	_
C10105	Propeller	110-402-K-L100D1	None	030	04.0	00.7	_
C14432	Hoffmann	HO-V62-R-L160T	None	650	64.6	68.7	
C14452	Propeller	HO-405-K-F1001	Notie	030	04.0	00.7	-
C14433	Hoffmann	HO-V62A/VL160BT	None	650	64.6	68.7	
C14455	Propeller	HO-VOZA/ VLIOUDI	None	030	04.0	00.7	_

<sup>&</sup>lt;sup>1</sup> See Note 1.



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Page 11 of 21 TCDSN No.: EASA.A.348 Date: 21 December 2020

Issue: 1

Type Certificate Holder<sup>1</sup> Sportavia-Pützer TC-Services GmbH Aircraft Type Designation<sup>1</sup> **Fournier RF 5** 

Engine Manufacturer<sup>1</sup> Sauer Flugmotorenbau GmbH Engine Type Designation<sup>1</sup> S 2100-1-SS1

Noise Certification Basis Edition / Amendment Chapter<sup>1</sup> 10 (10.4a) ICAO Annex 16, Volume I

ΓΛΩ	Propeller	Propeller Type	Additional modifications essential to meet the	Maximum	Take-O	ff dB(A)	500
EASA Record No.	Manufacturer <sup>1</sup>	Designation <sup>1</sup>	requirements or needed to attain the certificated noise levels1	Take-Off Mass¹ (kg)	Level <sup>1</sup>	Limit	See Note
C380	Hoffmann Propeller	HO-V62-R-L160BT	None	650	70.4	77.1	-

<sup>1</sup> See Note 1.



Page 12 of 21 TCDSN No.: EASA.A.348 Date: 21 December 2020

Issue: 1

Type Certificate Holder<sup>1</sup> Sportavia-Pützer TC-Services GmbH Aircraft Type Designation<sup>1</sup> Fournier RF 5

Engine Manufacturer<sup>1</sup> Sauer Flugmotorenbau GmbH Engine Type Designation<sup>1</sup> S 2100-1-SS1

Noise Certification Basis Edition / Amendment Chapter<sup>1</sup> ICAO Annex 16, Volume I 6

EACA	Propeller	Propeller Type	Additional modifications essential to meet the	Maximum	Overflight dB(A)		S00
EASA Record No.	Manufacturer <sup>1</sup>	Designation <sup>1</sup>	requirements or needed to attain the certificated noise levels <sup>1</sup>	Take-Off Mass¹ (kg)	Level <sup>1</sup>	Limit	See Note
C4584	MT-Propeller Entwicklung GmbH	MTV-1-A/L 160-03	None	650	58.5	68.7	-

<sup>1</sup> See Note 1.



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Page 13 of 21 TCDSN No.: EASA.A.348 Date: 21 December 2020

Issue: 1

Type Certificate Holder<sup>1</sup> Sportavia-Pützer TC-Services GmbH Aircraft Type Designation<sup>1</sup> **Fournier RF 5** 

Engine Manufacturer<sup>1</sup> Sauer Flugmotorenbau GmbH Engine Type Designation<sup>1</sup> S 2500-1-HS1

Noise Certification Basis Edition / Amendment Chapter<sup>1</sup> 10 (10.4a) ICAO Annex 16, Volume I

EASA Record No.	Propeller Manufacturer <sup>1</sup>	Propeller Type Designation <sup>1</sup>	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels <sup>1</sup>	Maximum	Take-Off dB(A)		See	
				Take-Off Mass¹ (kg)	Level <sup>1</sup>	Limit	Note	
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	-	

<sup>&</sup>lt;sup>1</sup> See Note 1.



Page 14 of 21 TCDSN No.: EASA.A.348 Date: 21 December 2020

Issue: 1

Type Certificate Holder<sup>1</sup> Sportavia-Pützer TC-Services GmbH Aircraft Type Designation<sup>1</sup> SFS 31 "Milan"

Engine Type Designation<sup>1</sup> Engine Manufacturer<sup>1</sup> **RECTIMO** 4 AR 1200

EASA	Propeller	Propeller Type	Additional modifications essential to meet the	Maximum	Overflig	ht dB(A)	500
Record No.	Manufacturer <sup>1</sup>	Designation <sup>1</sup>	requirements or needed to attain the certificated noise levels $^{\! 1}$	Take-Off Mass¹ (kg)	Level <sup>1</sup>	Limit	See Note
C14429	Hoffmann Propeller	HO 11* 133 S 70 L	None	440	63.7	68.0	-

<sup>&</sup>lt;sup>1</sup> See Note 1.



Issue: 1

Date: 21 December 2020

Page 15 of 21

Type Certificate Holder<sup>1</sup> Sportavia-Pützer TC-Services GmbH Aircraft Type Designation<sup>1</sup> Sportavia-Pützer RF 5 B "Sperber"

Engine Manufacturer<sup>1</sup> Sauer Flugmotorenbau GmbH Engine Type Designation<sup>1</sup> () 2100 ()-()

EASA	Dropollor	Propeller Type	Additional modifications essential to meet the	Maximum	Take-Off dB(A)		See Note
Record No.	Manufacturer <sup>1</sup>	Posignation 1 requirements or needed to attain the certificated		Take-Off Mass¹ (kg)	Level <sup>1</sup>	Limit	
C379	Hoffmann	HO-V62-R-L160BT	None	700	70.5	78.2	_
6373	Propeller	110-V02-11-L100D1					_
C378	Hoffmann	UO V62 D 1160DT	None	680	70.5	77.8	
	Propeller	HO-V62-R-L160BT	None	660	70.5	//.8	-

<sup>&</sup>lt;sup>1</sup> See Note 1.



Page 16 of 21 TCDSN No.: EASA.A.348 Date: 21 December 2020

Issue: 1

Type Certificate Holder<sup>1</sup> Sportavia-Pützer TC-Services GmbH Aircraft Type Designation<sup>1</sup> Sportavia-Pützer RF 5 B "Sperber"

Engine Manufacturer<sup>1</sup> Sauer Flugmotorenbau GmbH Engine Type Designation<sup>1</sup> () 2100 ()-()

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

EASA	Propeller Manufacturer <sup>1</sup>	Propeller Type  Designation <sup>1</sup>	Additional modifications essential to meet the	Maximum Take-Off Mass <sup>1</sup> (kg)	Overflight dB(A)		- See
Record No.			requirements or needed to attain the certificated noise levels <sup>1</sup>		Level <sup>1</sup>	Limit	Note
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	-

<sup>&</sup>lt;sup>1</sup> See Note 1.



Issue: 1

Page 17 of 21 Date: 21 December 2020

Type Certificate Holder<sup>1</sup> Sportavia-Pützer TC-Services GmbH Aircraft Type Designation<sup>1</sup> Sportavia-Pützer RF 5 B "Sperber"

Engine Manufacturer<sup>1</sup> Limbach Engine Type Designation<sup>1</sup> L 1700 E0 1

EASA	Propollor	Propeller Propel	Additional modifications essential to meet the	Maximum	Overflight dB(A)		- See Note
Record No.	Manufacturer <sup>1</sup>		Take-Off Mass¹ (kg)	Level <sup>1</sup>	Limit		
C10765	Hoffmann	HO-V62-R-L150A	None	700	62.5	69.3	_
	Propeller						
C5700	Hoffmann	HO V62 B L1E0A	None	680	62.4	69.1	
	Propeller	HO-V62-R-L150A	None	680	02.4	03.1	-

<sup>&</sup>lt;sup>1</sup> See Note 1.



TCDSN No.: EASA.A.348 Date: 21 December 2020

Issue: 1

Type Certificate Holder<sup>1</sup> Sportavia-Pützer TC-Services GmbH Aircraft Type Designation<sup>1</sup> Sportavia-Pützer RF 5 B "Sperber"

Engine Manufacturer<sup>1</sup> Limbach Engine Type Designation<sup>1</sup> L 1700 E0 2

Noise Certification Basis Edition / Amendment Chapter<sup>1</sup> ICAO Annex 16, Volume I 6

EASA	Propeller	Propeller Type	Propeller Type  Designation <sup>1</sup> Additional modifications essential to meet the requirements or needed to attain the certificated noise levels <sup>1</sup>	Maximum Take-Off Mass <sup>1</sup> (kg)	Overflight dB(A)		- See
Record No.	Manufacturer <sup>1</sup>	Designation <sup>1</sup>			Level <sup>1</sup>	Limit	Note
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	-

<sup>&</sup>lt;sup>1</sup> See Note 1.



Page 18 of 21

Issue: 1

Page 19 of 21 Date: 21 December 2020

Type Certificate Holder<sup>1</sup> Sportavia-Pützer TC-Services GmbH Aircraft Type Designation<sup>1</sup> Sportavia-Pützer RF 5 B "Sperber"

Engine Manufacturer<sup>1</sup> Limbach Engine Type Designation<sup>1</sup> L 2000 E0 1

EASA	Propollor	or Propeller Type	Additional modifications essential to meet the	Maximum	Overflight dB(A)		See
Record No. Propeller  Record No. Manufacturer <sup>1</sup>		Designation <sup>1</sup> requirements or needed to attain the certificated		Take-Off Mass¹ (kg)	Level <sup>1</sup>	Limit	Note
C4586	Hoffmann	HO-V62-A-VL160BT	None	700	56.8	69.3	-
	Propeller						
C4588	CATOO Hoffmann	HO-V62-R-L160BT	None	700	56.8	69.3	
C4588	Propeller	HO-A05-K-FT00P1	None	700	30.0	05.5	-
CEEOO	C5588 Hoffmann Propeller	HO-V62-R-L160BT	None	680	56.8	69.1	
C3366							-
64507	Hoffmann	110 V/62 B L 460 T	News	700	F.C. 0	60.2	
C4587	Propeller	HO-V62-R-L-160-T	None	700	56.8	69.3	-
	MT-Propeller						
C11272	Entwicklung	MTV-1-A/L 160-03	None	700	64.9	69.3	-
	GmbH						

<sup>&</sup>lt;sup>1</sup> See Note 1.



TCDSN No.: EASA.A.348 Page 20 of 21

Issue: 1 Date: 21 December 2020

### **CS-36 Amendment level**

ICAO, Annex 16, Volume I Amendment level		8	9	10	11-B	12
Corresponding CS-36 Amendment level		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.

TCDSN No.: EASA.A.348 Page 21 of 21 Issue: 1 Date: 21 December 2020

## **Change Record**

Issue	Date	Changes
01	21 December 2020	Initial Issue