TCDSN No.: EASA.A.603 TOP powered sailplanes

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TYPE-CERTIFICATE DATA SHEET FOR NOISE

No. EASA.A.603

for

TOP powered sailplanes

Type Certificate Holder: Fiberglas-Technik Rudolf Lindner GmbH & Co.KG

Steige 3 D-88487 Walpertshofen GERMANY

For models:

ASW 20 B TOP

ASW 20 BL TOP

ASW 20 C TOP

ASW 20 CL TOP

ASW 20 L TOP

ASW 20 TOP

ASW 24 TOP

Astir CS Jeans TOP

Astir CS TOP

Astir CS 77 TOP

Standard Cirrus B TOP

Standard Cirrus TOP



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Type Certificate Holder¹ Fiberglas-Technik Rudolf Lindner GmbH & Co.KG Aircraft Type Designation¹ ASW 20 B TOP

Engine Manufacturer¹ Fischer + Entwicklungen GmbH & Co.KG Engine Type Designation¹ TOP F1-600

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

| EASA | | | Additional modifications essential to | Maximum | Overflig | ht dB(A) | See |
|------------|---|---|--|------------------------|--------------------|----------|------|
| Record No. | Propeller Manufacturer ¹ | Propeller Type Designation ¹ | meet the requirements or needed to attain the certificated noise levels ¹ | Take-Off Mass¹ (kg) | Level ¹ | Limit | Note |
| C240 | Fischer + Entwicklungen GmbH & Co.KG | TOP F1-600 | None | 414 | 56.9 | 68.0 | - |



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Type Certificate Holder¹ Fiberglas-Technik Rudolf Lindner GmbH & Co.KG Aircraft Type Designation¹ **ASW 20 BL TOP**

Engine Manufacturer¹ Fischer + Entwicklungen GmbH & Co.KG Engine Type Designation¹ **TOP F1-600**

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

| EASA | | | Additional modifications essential to | Maximum | Overflig | ht dB(A) | See |
|------------|---|---|--|------------------------|--------------------|----------|------|
| Record No. | Propeller Manufacturer ¹ | Propeller Type Designation ¹ | meet the requirements or needed to attain the certificated noise levels ¹ | Take-Off Mass¹ (kg) | Level ¹ | Limit | Note |
| C241 | Fischer + Entwicklungen GmbH & Co.KG | TOP F1-600 | None | 414 | 56.9 | 68.0 | - |

¹ See Note 1.



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Type Certificate Holder¹ Fiberglas-Technik Rudolf Lindner GmbH & Co.KG Aircraft Type Designation¹ **ASW 20 C TOP**

Engine Manufacturer¹ Fischer + Entwicklungen GmbH & Co.KG Engine Type Designation¹ **TOP F1-600**

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

| EACA. | | , | Additional modifications essential to | Maximum | Overflight dB(A) | | See |
|--------------------|---|---|--|------------------------|--------------------|-------|------|
| EASA Record No. | Propeller Manufacturer ¹ | Propeller Type Designation ¹ | meet the requirements or needed to attain the certificated noise levels ¹ | Take-Off Mass¹ (kg) | Level ¹ | Limit | Note |
| C242 | Fischer + Entwicklungen GmbH & Co.KG | TOP F1-600 | None | 414 | 56.9 | 68.0 | - |

¹ See Note 1.



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Type Certificate Holder¹ Fiberglas-Technik Rudolf Lindner GmbH & Co.KG Aircraft Type Designation¹ **ASW 20 CL TOP**

Engine Manufacturer¹ Fischer + Entwicklungen GmbH & Co.KG Engine Type Designation¹ **TOP F1-600**

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

| EASA | | | Additional modifications essential to | Maximum | Overflig | ht dB(A) | See |
|------------|---|---|--|------------------------|--------------------|----------|------|
| Record No. | Propeller Manufacturer ¹ | Propeller Type Designation ¹ | meet the requirements or needed to attain the certificated noise levels ¹ | Take-Off Mass¹ (kg) | Level ¹ | Limit | Note |
| C243 | Fischer + Entwicklungen GmbH & Co.KG | TOP F1-600 | None | 414 | 56.9 | 68.0 | - |



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Type Certificate Holder¹ Fiberglas-Technik Rudolf Lindner GmbH & Co.KG Aircraft Type Designation¹ **ASW 20 L TOP**

Engine Manufacturer¹ Fischer + Entwicklungen GmbH & Co.KG Engine Type Designation¹ **TOP F1-600**

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

| EASA | | | Additional modifications essential to | Maximum | Overflig | ht dB(A) | See |
|------------|---|---|--|------------------------|--------------------|----------|------|
| Record No. | Propeller Manufacturer ¹ | Propeller Type Designation ¹ | meet the requirements or needed to attain the certificated noise levels ¹ | Take-Off Mass¹ (kg) | Level ¹ | Limit | Note |
| C244 | Fischer + Entwicklungen GmbH & Co.KG | TOP F1-600 | None | 407 | 56.8 | 68.0 | - |



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Type Certificate Holder¹ Fiberglas-Technik Rudolf Lindner GmbH & Co.KG Aircraft Type Designation¹ ASW 20 TOP

Engine Manufacturer¹ Fischer + Entwicklungen GmbH & Co.KG Engine Type Designation¹ TOP F1-600

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

| EACA. | | | Additional modifications essential to | Maximum | Overflight dB(A) | | See |
|--------------------|---|---|--|------------------------------------|--------------------|-------|------|
| EASA Record No. | Propeller Manufacturer ¹ | Propeller Type Designation ¹ | meet the requirements or needed to attain the certificated noise levels ¹ | Take-Off Mass ¹ (kg) | Level ¹ | Limit | Note |
| C239 | Fischer + Entwicklungen GmbH & Co.KG | TOP F1-600 | None | 407 | 56.8 | 68.0 | - |



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Type Certificate Holder¹ Fiberglas-Technik Rudolf Lindner GmbH & Co.KG Aircraft Type Designation¹ **ASW 24 TOP**

Engine Manufacturer¹ Fischer + Entwicklungen GmbH & Co.KG Engine Type Designation¹ **ASW 24 TOP**

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

| EASA | | | Additional modifications essential to | Maximum | Overflig | ht dB(A) | See |
|------------|---|---|--|------------------------|--------------------|----------|------|
| Record No. | Propeller Manufacturer ¹ | Propeller Type Designation ¹ | meet the requirements or needed to attain the certificated noise levels ¹ | Take-Off Mass¹ (kg) | Level ¹ | Limit | Note |
| C259 | Fischer + Entwicklungen GmbH & Co.KG | TOP F1-600 | None | 415 | 58.5 | 68.0 | - |

¹ See Note 1.



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Type Certificate Holder¹ Fiberglas-Technik Rudolf Lindner GmbH & Co.KG Aircraft Type Designation¹ **Astir CS Jeans TOP**

Engine Manufacturer¹ Fischer + Entwicklungen GmbH & Co.KG Engine Type Designation¹ **TOP F1-600**

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

| EASA | Dranallar | 1 | Additional modifications essential to meet | Maximum | Take-Off dB(A) | | See |
|------------|--|---|---|------------------------|--------------------|-------|------|
| Record No. | Propeller Manufacturer ¹ | Propeller Type Designation ¹ | the requirements or needed to attain the certificated noise levels ¹ | Take-Off Mass¹ (kg) | Level ¹ | Limit | Note |
| C2342 | Fischer + Entwicklungen GmbH & Co.KG | TOP F1-600 | None | 420 | 63.0 | 76.0 | - |

¹ See Note 1.



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Type Certificate Holder¹ Fiberglas-Technik Rudolf Lindner GmbH & Co.KG Aircraft Type Designation¹ **Astir CS TOP**

Engine Manufacturer¹ Fischer + Entwicklungen GmbH & Co.KG Engine Type Designation¹ **TOP F1-600**

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

| EASA | Dranallar | | Additional modifications essential to meet | Maximum | Take-Off dB(A) | | See |
|------------|--|---|---|------------------------|--------------------|-------|------|
| Record No. | Propeller Manufacturer ¹ | Propeller Type Designation ¹ | the requirements or needed to attain the certificated noise levels ¹ | Take-Off Mass¹ (kg) | Level ¹ | Limit | Note |
| C2344 | Fischer + Entwicklungen GmbH & Co.KG | TOP F1-600 | None | 425 | 63.0 | 76.0 | - |

¹ See Note 1.



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Type Certificate Holder¹ Fiberglas-Technik Rudolf Lindner GmbH & Co.KG Aircraft Type Designation¹ Astir CS 77 TOP

Engine Manufacturer¹ Fischer + Entwicklungen GmbH & Co.KG Engine Type Designation¹ TOP F1-600

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

| EASA | Propeller | | Additional modifications essential to meet | Maximum | Take-Off dB(A) | | See |
|------------|--|---|---|------------------------------------|--------------------|-------|------|
| Record No. | Manufacturer ¹ | Propeller Type Designation ¹ | the requirements or needed to attain the certificated noise levels ¹ | Take-Off Mass ¹ (kg) | Level ¹ | Limit | Note |
| C2346 | Fischer + Entwicklungen GmbH & Co.KG | TOP F1-600 | None | 425 | 63.0 | 76.0 | - |

¹ See Note 1.



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Type Certificate Holder¹ Fiberglas-Technik Rudolf Lindner GmbH & Co.KG Aircraft Type Designation¹ **Standard Cirrus B TOP**

Engine Manufacturer¹ Fischer + Entwicklungen GmbH & Co.KG Engine Type Designation¹ **TOP F1-600**

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

| EASA | | | Additional modifications essential to | Maximum | Overflig | ht dB(A) | Soo |
|------------|---|---|--|------------------------|--------------------|----------|-------------|
| Record No. | Propeller Manufacturer ¹ | Propeller Type Designation ¹ | meet the requirements or needed to attain the certificated noise levels ¹ | Take-Off Mass¹ (kg) | Level ¹ | Limit | See Note |
| C4790 | Fischer + Entwicklungen GmbH & Co.KG | TOP F1-600 | None | 375 | 59.6 | 68.0 | - |

¹ See Note 1.



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Type Certificate Holder¹ Fiberglas-Technik Rudolf Lindner GmbH & Co.KG Aircraft Type Designation¹ **Standard Cirrus TOP**

Engine Manufacturer¹ Fischer + Entwicklungen GmbH & Co.KG Engine Type Designation¹ **TOP F1-600**

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

| EASA | | | Additional modifications essential to | Maximum | Overflig | ht dB(A) | See |
|------------|---|---|--|------------------------|--------------------|----------|------|
| Record No. | Propeller Manufacturer ¹ | Propeller Type Designation ¹ | meet the requirements or needed to attain the certificated noise levels ¹ | Take-Off Mass¹ (kg) | Level ¹ | Limit | Note |
| C4791 | Fischer + Entwicklungen GmbH & Co.KG | TOP F1-600 | None | 375 | 59.6 | 68.0 | - |

¹ See Note 1.



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CS-36 Amendment level

| ICAO, Annex 16, Volume I Amendment level | 7 | 8 | 9 | 10 | 11-B | 12 | 13 |
|--|---------|---|---|----|------|----|----|
| Corresponding CS-36 Amendment level | Initial | 1 | 2 | 3 | 4 | 5 | 6 |

TCDSN EASA.A.603 Notes

1. In cases where it is appropriate to issue a noise certificate, items so marked shall be included on EASA Form 45.



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Change Record

| Issue | Date | Changes |
|-------|-----------------|---------------|
| 01 | 27 January 2023 | Initial Issue |

