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TYPE-CERTIFICATE DATA SHEET FOR NOISE

No. EASA.IM.A.007

for

SR20, SR22, SR22T

Type Certificate Holder: Cirrus Design Corporation 4515 Taylor Circle Duluth, Minnesota 55811 **USA**

For models:

SR20

SR22

SR22T



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Type Certificate Holder¹ Cirrus Design Corporation Aircraft Type Designation¹ SR20

Engine Manufacturer¹ Teledyne Continental Engine Type Designation¹ IO-360-ES

Noise Certification Basis ICAO Annex 16, Volume I Edition / Amendment Edition 3 / Amendment 4 Chapter¹ 10 (10.4a)

EASA	Propeller	Propeller Type	Additional modifications essential to meet the	Maximum	Take-Off dB(A)		- See
Record No.	Manufacturer ¹	Designation ¹	requirements or needed to attain the certificated noise levels ¹	Take-Off Mass¹ (kg)	Level ¹	Limit	Note
C399	Hartzell Propeller Inc.	PHC-J3YF-1MF/F7392-1	None	1,315	82.6	87.1	-
C403	Hartzell Propeller Inc.	PHC-J3YF-1RF/F7392-1	None	1,315	82.6	87.1	-

¹ See Note 1.



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Type Certificate Holder¹ **Cirrus Design Corporation** Aircraft Type Designation¹ **SR20**

Engine Manufacturer¹ **Teledyne Continental** Engine Type Designation¹ **IO-360-ES**

Noise Certification Basis ICAO Annex 16, Volume I Edition / Amendment Edition 3 / Amendment 6 Chapter¹ 10 (10.4a)

EASA	Dropollor	Propeller Type	Additional modifications essential to meet the	Maximum	Take-O	See	
Record No. Manufacture		Designation ¹ requirements or needed to attain the certificated		Take-Off Mass¹ (kg)	Level ¹	Limit	Note
C5674	Hartzell	PHC-J3YF-1MF/F7392-1	None	1,383	83.7	87.8	_
C3074	Propeller Inc.	PHC-J51F-11VIF/F/592-1	Notic	1,363	65.7		_
C401	Hartzell	PHC-J3YF-1MF/F7392-1	None	1,361	83.7	87.6	_
C401	Propeller Inc.	711C-3311 - 11VII / 1 / 332-1	None	1,301	05.7	67.0	_
C5675	Hartzell	PHC-J3YF-1RF/F7392-1	Name	1,383	83.7	87.8	
C3073	Propeller Inc.		None	1,365	65.7	67.6	-
C405	Hartzell	PHC-J3YF-1RF/F7392-1	None	1,361	83.7	87.6	
C405	Propeller Inc.	FHC-J31F-1KF/F/332-1	IAOHE	1,301	65.7	07.0	-

¹ See Note 1.



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Type Certificate Holder¹ Cirrus Design Corporation Aircraft Type Designation¹ SR20

Engine Manufacturer¹ Lycoming Engines Engine Type Designation¹ IO-390-C3B6

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

EASA	Propeller	Propeller Type Designation ¹	Additional modifications essential to meet the	Maximum	Take-Off dB(A)		See
Record No.	Manufacturer ¹		requirements or needed to attain the certificated noise levels ¹	Take-Off Mass¹ (kg)	Level ¹	Limit	Note
C13475	Hartzell Propeller Inc.	3C1-R919A1/76C03-2	None	1,429	81.7	88.0	-
C13474	Hartzell Propeller Inc.	HC-E3YR-1RF/F7392S-1	None	1,429	82.9	88.0	-

¹ See Note 1.



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Type Certificate Holder¹ **Cirrus Design Corporation** Aircraft Type Designation¹ **SR22**

Engine Manufacturer¹ **Teledyne Continental** Engine Type Designation¹ IO-550-N

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

EASA	Dropollor	Propeller Type	Additional modifications essential to meet the	Maximum	Take-Off dB(A)		See
Record No.	Dosig		requirements or needed to attain the certificated noise levels ¹		Level ¹	Limit	Note
C11152	Hartzell Propeller Inc.	PHC-J3Y(1)F- 1N/N7605(C)(B)	Silencer: Cirrus Design Corporation Dual exhaust	1,632.9	84.7	85.0	-
C11153	Hartzell Propeller Inc.	PHC-J3YF- 1RF/()7693DF(B)	Silencer: Cirrus Design Corporation Dual exhaust	1,632.9	84.7	85.0	-

¹ See Note 1.



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Type Certificate Holder¹ **Cirrus Design Corporation** Aircraft Type Designation¹ **SR22**

Engine Manufacturer¹ **Teledyne Continental** Engine Type Designation¹ IO-550-N

Noise Certification Basis ICAO Annex 16, Volume I Edition / Amendment Edition 3 / Amendment 7 Chapter¹ 10 (10.4b)

EACA	Duanellan	Propeller Type	Additional modifications essential to meet the	Maximum	Take-O	Soc	
EASA Record No.	Posignation 1 requirements or needed to attain the certificated		Take-Off Mass ¹ (kg)	Level ¹	Limit	See Note	
C142	Hartzell	PHC-J3Y(1)F-	Silencer: Cirrus Design Corporation Dual exhaust	1,542	83.9	85.0	2
C142	Propeller Inc.	1N/N7605(B)	Shericer. Cirrus Design Corporation Dual exhaust	1,542	65.5	65.0	2
C141	Hartzell	PHC-J3YF-	Silencer: Cirrus Design Corporation Single/Dual	1,542	84.8	85.0	2
C141	Propeller Inc.	1RF/()7693DF(B)	exhaust	1,342	04.0	85.0	2
C138	Hartzell	PHC-J3YF-1RF/()7694(B)	Silencer: Cirrus Design Corporation Dual exhaust	1,542	02.0	85.0	2
Propeller Inc.		PHC-J31F-1KF/(J/034(B)	Silencer. Cirrus Design Corporation Dual exhaust	1,542	83.8	65.0	2
C136	Hartzell	PHC-J3YF-1RF/()7694(B)	Siloneary Cirrus Decign Corneration Single exhaust	1,542	83.7	85.0	2
C130	Propeller Inc.	FNC-331F-1KF/()/034(B)	Silencer: Cirrus Design Corporation Single exhaust	1,342	03.7	85.0	2

¹ See Note 1.



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Type Certificate Holder¹ Cirrus Design Corporation Aircraft Type Designation¹ SR22T

Engine Manufacturer¹ Teledyne Continental Engine Type Designation¹ TSIO-550-K

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

EASA	Dropollor	Propeller Type	Additional modifications essential to meet the	Maximum	Take-Off dB(A)		Soo
Record No.	Propeller Manufacturer ¹	Designation ¹	requirements or needed to attain the certificated noise levels ¹	Take-Off Mass¹ (kg)	Level ¹	Limit	See Note
C11154	Hartzell Propeller Inc.	PHC-J3Y1F- 1N/N7605(C)(B)	None	1,632.9	81.5	85.0	-

¹ See Note 1.



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Type Certificate Holder¹ **Cirrus Design Corporation** Aircraft Type Designation¹ SR22T

Engine Manufacturer¹ **Teledyne Continental** Engine Type Designation¹ TSIO-550-K

Noise Certification Basis ICAO Annex 16, Volume I Edition / Amendment Edition 4 / Amendment 8 Chapter¹ 10 (10.4b)

EASA	Propeller	Propeller Type	Additional modifications essential to meet the	Maximum	Take-Off dB(A)		Soo
Record No.	Manufacturer ¹	Designation ¹	requirements or needed to attain the certificated noise levels ¹	Take-Off Mass¹ (kg)	Level ¹	Limit	See Note
C10015	Hartzell Propeller Inc.	PHC-J3Y1F-1N/N7605(B)	None	1,542	81.3	85.0	-

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.IM.A.007 Notes

- 1. In cases where it is appropriate to issue a noise certificate, items so marked shall be included on EASA Form 45.
- 2. Applicable with or without EASA STC 10029290.

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Change Record

Issue	Date	Changes
Issue 1	08 January 2007	Initial Issue
Issue 2	29 January 2007	Revised
Issue 3	05 June 2007	Revised
Issue 4	22 October 2007	Revised
Issue 5	23 September 2008	Revised
Issue 6	07 April 2009	Revised
Issue 7	09 July 2010	Record C10015 added.
Issue 8	17 May 2013	Increase of MTOW added
Issue 9	06 November 2017	Addition of Lycoming IO-390-C3B6 engine installation for SR20 (Records
		C13474 and C13475)
Issue 10	15 December 2017	Records C13474 and C13475: Engine manufacturer corrected
Issue 11	25 March 2022	Propeller designation revised for record C13474