



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 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	
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.



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 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	
C5674	Hartzell Propeller Inc.	PHC-J3YF-1MF/F7392-1	None	1,383	83.7	87.8	-
C401	Hartzell Propeller Inc.	PHC-J3YF-1MF/F7392-1	None	1,361	83.7	87.6	-
C5675	Hartzell Propeller Inc.	PHC-J3YF-1RF/F7392-1	None	1,383	83.7	87.8	-
C405	Hartzell Propeller Inc.	PHC-J3YF-1RF/F7392-1	None	1,361	83.7	87.6	-

¹ See Note 1.



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 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	
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.



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 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	
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.



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)**

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	
C142	Hartzell Propeller Inc.	PHC-J3Y(1)F-1N/N7605(B)	Silencer: Cirrus Design Corporation Dual exhaust	1,542	83.9	85.0	2
C141	Hartzell Propeller Inc.	PHC-J3YF-1RF/()7693DF(B)	Silencer: Cirrus Design Corporation Single/Dual exhaust	1,542	84.8	85.0	2
C138	Hartzell Propeller Inc.	PHC-J3YF-1RF/()7694(B)	Silencer: Cirrus Design Corporation Dual exhaust	1,542	83.8	85.0	2
C136	Hartzell Propeller Inc.	PHC-J3YF-1RF/()7694(B)	Silencer: Cirrus Design Corporation Single exhaust	1,542	83.7	85.0	2

¹ See Note 1.



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 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	
C11154	Hartzell Propeller Inc.	PHC-J3Y1F-1N/N7605(C)(B)	None	1,632.9	81.5	85.0	-

¹ See Note 1.



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 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	
C10015	Hartzell Propeller Inc.	PHC-J3Y1F-1N/N7605(B)	None	1,542	81.3	85.0	-

¹ See Note 1.



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.



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

