



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 **3 Edition / 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	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	-
C5675	Hartzell Propeller Inc.	PHC-J3YF-1RF/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	-
C405	Hartzell Propeller Inc.	PHC-J3YF-1RF/F7392-1	none	1,361	83.7	87.6	-
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 **Lycoming** 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	Maximum Take-off mass ¹ (kg)	Take-off dB(A)		See Note
					Level ¹	Limit	
C13474	Hartzell Propeller Inc.	HC-E3YR-1RF/F7392-1	none	1,429	82.9	88.0	-
C13475	Hartzell Propeller Inc.	3C1-R919A1/76C03-2	none	1,429	81.7	88.0	-

¹ See Note 1.

Type Certificate Holder ¹	Cirrus Design Corporation	Aircraft Type Designation ¹	SR22
Engine Manufacturer ¹	Teledyne Continental	Engine Type Designation ¹	IO-550-N
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	3 Edition / Amendment 7
		Chapter ¹	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	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	1,633	84.7	85.0	-
C11153	Hartzell Propeller Inc.	PHC-J3YF-1RF/()7693DF(B)	Silencer : Cirrus Design Corporation Dual exhaust	1,633	84.7	85.0	-
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 **4 Edition / 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	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	1,633	81.5	85.0	-
C10015	Hartzell Propeller Inc.	PHC-J3Y1F-1N/N7605(B)	none	1,542	81.3	85.0	-

¹ See Note 1.

TCDSN EASA.IM.A.007 Notes

1. 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

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