

European Aviation Safety Agency

EASA

TYPE-CERTIFICATE DATA SHEET FOR NOISE

TB 10

Type Certificate Holder:

SOCATA

65921 TARBES Cedex 9
FRANCE

For models : TB 10
TB 20
TB 200
TB 21
TB 9

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Type Certificate Holder * **SOCATA** Aircraft Type Designation * **TB 10**
Engine Manufacturer * **Lycoming** Engine Type Designation * **O-360-A1AD**
Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter * **10 (10.4a)**

EASA Record No.	Propeller Manufacturer *	Propeller Type Designation *	Additional modifications **	Maximum Take-off mass * (kg)	Take-off dB(A)	
					Level *	Limit
C9975	Hartzell Propeller Inc.	HC-C2YK-1BF/F7666A-2	SOCATA Option A887 (Low noise exhaust)	1.150	77,9	85,2
C9974	Hartzell Propeller Inc.	HC-C2YK-1BF/F7666A-2	none	1.150	81,0	85,2

* Items so marked shall be included on EASA Form 45.

** Additional modifications essential to meet the requirements or needed to attain the certificated noise levels. Items so marked shall be included on EASA Form 45

Type Certificate Holder *	SOCATA	Aircraft Type Designation *	TB 10
Engine Manufacturer *	Lycoming	Engine Type Designation *	O-360-A1AD
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Chapter * 6

EASA Record No.	Propeller Manufacturer *	Propeller Type Designation *	Additional modifications **	Maximum Take-off mass * (kg)	Overflight dB(A)	
					Level *	Limit
C4809	Hartzell Propeller Inc.	HC-C2YK-1BF/F7666A-2	none	1.150	71,5	75,3

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Type Certificate Holder* **SOCATA** Aircraft Type Designation* **TB 20**
 Engine Manufacturer* **Lycoming** Engine Type Designation* **IO-540-C4D5D**
 Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter* **10 (10.4a)**

EASA Record No.	Propeller Manufacturer *	Propeller Type Designation *	Additional modifications **	Maximum Take-off mass* (kg)	Take-off dB(A)	
					Level *	Limit
C9985	Hartzell Propeller Inc.	HC-C2YK-1BF/F8477-4	SOCATA Option A888 (Low noise exhaust)	1.400	83,5	88,0
C107	Hartzell Propeller Inc.	HC-C3YR-1RF/F7693F	SOCATA Option OPT10 61001 (Propeller installation)	1.400	82,5	88,0
C106	Hartzell Propeller Inc.	HC-C3YR-1RF/F7693FB	SOCATA Option OPT10 61001 (Propeller installation)	1.400	82,5	88,0
C9986	Hartzell Propeller Inc.	HC-C2YK-1BF/F8477-4	SOCATA Option OPT10 77001A (Maximum take-off and maximum continuous power limited to 2500 RPM)	1.400	82,8	88,0
C5780	Hartzell Propeller Inc.	HC-C2YK-1BF/F8477-4	none	1.400	83,6	88,0
C9087	Hartzell Propeller Inc.	HC-C3YR-1RF/F7693F	none	1.335	82,5	87,3
C9823	Hartzell Propeller Inc.	HC-C3YR-1RF/F7693FB	none	1.335	82,5	87,3

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Type Certificate Holder *	SOCATA	Aircraft Type Designation *	TB 20
Engine Manufacturer *	Lycoming	Engine Type Designation *	IO-540-C4D5D
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Chapter * 6

EASA Record No.	Propeller Manufacturer *	Propeller Type Designation *	Additional modifications **	Maximum Take-off mass * (kg)	Overflight dB(A)	
					Level *	Limit
C4820	Hartzell Propeller Inc.	HC-C2YK-1BF/F8477-4	none	1.400	74,0	78,7
C4821	Hartzell Propeller Inc.	HC-C2YK-1BF/F8477(B)-4	none	1.335	72,9	77,8

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Type Certificate Holder* **SOCATA** Aircraft Type Designation* **TB 200**
 Engine Manufacturer* **Lycoming** Engine Type Designation* **IO-360-A1B6**
 Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter* **6**

EASA Record No.	Propeller Manufacturer*	Propeller Type Designation*	Additional modifications**	Maximum Take-off mass* (kg)	Overflight dB(A)	
					Level*	Limit
C650	Hartzell Propeller Inc.	HC-C2YK-1BF/F7666A-2	With wheel fairing and additional equipment D 853, Silencer : Gomolzig TB200-606500	1.150	67,3	75,3

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Type Certificate Holder* **SOCATA** Aircraft Type Designation* **TB 200**
 Engine Manufacturer* **Lycoming** Engine Type Designation* **IO-360-A1B6**
 Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter* **10 (10.4a)**

EASA Record No.	Propeller Manufacturer*	Propeller Type Designation*	Additional modifications**	Maximum Take-off mass* (kg)	Take-off dB(A)	
					Level*	Limit
C178	Hartzell Propeller Inc.	HC-C2YK-1BF/F7666A-2	none	1.150	80,6	85,2

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Type Certificate Holder* **SOCATA** Aircraft Type Designation* **TB 21**
Engine Manufacturer* **Lycoming** Engine Type Designation* **TIO-540-AB1AD**
Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter* **10 (10.4b)**

EASA Record No.	Propeller Manufacturer*	Propeller Type Designation*	Additional modifications**	Maximum Take-off mass* (kg)	Take-off dB(A)	
					Level*	Limit
C4832	Hartzell Propeller Inc.	HC-C3YR-1RF/F7693FB	SOCATA Option OPT10 61001 (Propeller installation)	1.400	81,8	83,9

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Type Certificate Holder * **SOCATA** Aircraft Type Designation * **TB 21**
 Engine Manufacturer * **Lycoming** Engine Type Designation * **TIO-540-AB1AD**
 Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter * **6**

EASA Record No.	Propeller Manufacturer *	Propeller Type Designation *	Additional modifications **	Maximum Take-off mass * (kg)	Overflight dB(A)	
					Level *	Limit
C4831	Hartzell Propeller Inc.	HC-C2YK-1BF/F8477-4	none	1.400	76,1	78,7

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Type Certificate Holder* **SOCATA** Aircraft Type Designation* **TB 21**

Engine Manufacturer* **Lycoming** Engine Type Designation* **TIO-540-AB1AD**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter* **10**

EASA Record No.	Propeller Manufacturer*	Propeller Type Designation*	Additional modifications**	Maximum Take-off mass* (kg)	Take-off dB(A)	
					Level*	Limit
C5569	Hartzell Propeller Inc.	HC-C2YK-1BF/F8477-4	none	1.400	83,5	88,0

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Type Certificate Holder* **SOCATA** Aircraft Type Designation* **TB 9**

Engine Manufacturer* **Lycoming** Engine Type Designation* **O-320-D1A**

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

EASA Record No.	Propeller Manufacturer*	Propeller Type Designation*	Additional modifications**	Maximum Take-off mass* (kg)	Overflight dB(A)	
					Level*	Limit
C4834	Hartzell Propeller Inc.	HC-C2YL-1BF/F7663A-4	none	1.060	70,8	74,1

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Type Certificate Holder* **SOCATA** Aircraft Type Designation* **TB 9**
 Engine Manufacturer* **Lycoming** Engine Type Designation* **O-320-D2A**
 Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter* **10 (10.4a)**

EASA Record No.	Propeller Manufacturer*	Propeller Type Designation*	Additional modifications**	Maximum Take-off mass* (kg)	Take-off dB(A)	
					Level*	Limit
C9982	Sensenich	74DM6S8-0-54	SOCATA Option A890 (Low noise exhaust (maximum take-off and maximum continuous power limited to 2645 RPM))	1.060	78,5	84,1
C9983	Sensenich	74DM6S8-0-58	SOCATA Option A890 (Low noise exhaust (maximum take-off and maximum continuous power limited to 2645 RPM))	1.060	78,5	84,1
C9984	Sensenich	74DM6S8-0-61	SOCATA Option A890 (Low noise exhaust (maximum take-off and maximum continuous power limited to 2645 RPM))	1.060	78,5	84,1
C10322	Sensenich	74DM6S8-0-58	none	1.060	78,9	84,1
C9979	Sensenich	74DM6S8-0-54	SOCATA Option D856 (MTOW limited to 955 kg)	955	74,9	82,6
C9980	Sensenich	74DM6S8-0-58	SOCATA Option D856 (MTOW limited to 955 kg)	955	74,9	82,6
C9981	Sensenich	74DM6S8-0-61	SOCATA Option D856 (MTOW limited to 955 kg)	955	74,9	82,6

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Type Certificate Holder * **SOCATA** Aircraft Type Designation * **TB 9**
 Engine Manufacturer * **Lycoming** Engine Type Designation * **O-320-D2A**
 Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter * **6**

EASA Record No.	Propeller Manufacturer *	Propeller Type Designation *	Additional modifications **	Maximum Take-off mass * (kg)	Overflight dB(A)	
					Level *	Limit
C9976	Sensenich	74DM6S8-0-54	SOCATA Option D840 (Maximum take-off and maximum continuous power limited to 2600 RPM)	1.060	68,8	74,1
C9977	Sensenich	74DM6S8-0-58	SOCATA Option D840 (Maximum take-off and maximum continuous power limited to 2600 RPM)	1.060	68,8	74,1
C9978	Sensenich	74DM6S8-0-61	SOCATA Option D840 (Maximum take-off and maximum continuous power limited to 2600 RPM)	1.060	68,8	74,1
C4845	Sensenich	74DM6S8-0-54	none	1.060	72,5	74,1
C5689	Sensenich	74DM6S8-0-58	none	1.060	72,5	74,1
C4847	Sensenich	74DM6S8-0-61	none	1.060	72,5	74,1

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Change Record

Issue	Date	Changes
Issue 1	11 June 2010	Initial Issue
Issue 2	27 July 2010	Re-issued to ensure correct reproduction of modification status.
Issue 3	22 November 2010	Record C10103 added.
Issue 4	19 January 2011	Revised record C4821
Issue 5	20 May 2011	Record C10322 added.