

# TYPE-CERTIFICATE DATA SHEET FOR NOISE

No. EASA.A.010

for

### TBM700

Type Certificate Holder: DAHER AEROSPACE 23 route de TOURS 41400 SAINT JULIEN DE CHEDON FRANCE

For models: TBM700 A TBM700 B TBM700 C1 TBM700 C2 TBM700 N



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Type Certificate Holder <sup>1</sup>	DAHER AEROSPACE		Aircraft Type Design	ation <sup>1</sup>	TBM700 A	
Engine Manufacturer <sup>1</sup>	Pratt & Whitney Canada		Engine Type Designa	ation <sup>1</sup>	PT6A-64	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 2 / Amendment 3	Chapter <sup>1</sup>	10 (10.4a)	)

	Propeller Propeller Type		Additional modifications essential to meet the	Maximum	Take-Off dB(A)		See
			requirements or needed to attain the certificated noise levels <sup>1</sup>	Take-Off Mass <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Note
C4950	Hartzell Propeller Inc.	HC-E4N-3/E9083 S(K)	None	2,984	80.4	88.0	-



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Type Certificate Holder <sup>1</sup>	DAHER AEROSPACE		Aircraft Type Design	ation <sup>1</sup>	ТВМ700 В	
Engine Manufacturer <sup>1</sup>	Pratt & Whitney Canada		Engine Type Designa	ation <sup>1</sup>	PT6A-64	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 2 / Amendment 3	Chapter <sup>1</sup>	10 (10.4a)	

	Dropollor	Propeller Type	Additional modifications essential to meet the	Maximum	Take-Off dB(A)		See.
Record No.	Designation <sup>1</sup> requirements		requirements or needed to attain the certificated noise levels <sup>1</sup>	Take-Off Mass <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	See Note
C1717	Hartzell Propeller Inc.	HC-E4N-3/E9083 S(K)	None	2,984	80.4	88.0	-



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Type Certificate Holder <sup>1</sup>	DAHER AEROSPACE		Aircraft Type Design	nation <sup>1</sup>	TBM700 C1	
Engine Manufacturer <sup>1</sup>	Pratt & Whitney Canada		Engine Type Designa	ation <sup>1</sup>	PT6A-64	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 2 / Amendment 3	Chapter <sup>1</sup>	10 (10.4a	)

EASA	Propeller Type		Additional modifications essential to meet the	Maximum	Take-Off dB(A)		See
			requirements or needed to attain the certificated noise levels <sup>1</sup>	Take-Off Mass <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Note
C1718	Hartzell Propeller Inc.	HC-E4N-3/E9083 S(K)	None	2,984	80.4	88.0	-



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Type Certificate Holder <sup>1</sup>	DAHER AEROSPACE		Aircraft Type Desig	nation <sup>1</sup>	ТВМ700 С2	
Engine Manufacturer <sup>1</sup>	Pratt & Whitney Canada		Engine Type Design	ation <sup>1</sup>	PT6A-64	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7	Chapter <sup>1</sup>	10 (10.4b)	

EASA Propeller Record No. Manufacturer <sup>1</sup>	Propellor	Propeller Type	Additional modifications essential to meet the	Maximum	Take-Off dB(A)		See
	Designation <sup>1</sup>	requirements or needed to attain the certificated noise levels <sup>1</sup>	Take-Off Mass <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Note	
C2818	Hartzell Propeller Inc.	HC-E4N-3/E9083 S(K)	None	3,354	79.6	85.0	-



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Type Certificate Holder <sup>1</sup>	DAHER AEROSPACE		Aircraft Type Desigr	lation <sup>1</sup>	TBM700 N	
Engine Manufacturer <sup>1</sup>	Pratt & Whitney Canada		Engine Type Designa	ation <sup>1</sup>	PT6A-66D	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 4 / Amendment 8	Chapter <sup>1</sup>	10 (10.4b)	

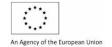
EASAPropellerPropeller TypeRecord No.Manufacturer1Designation1	Propeller Type		Additional modifications essential to meet the	Maximum	Take-Off dB(A)		See
	requirements or needed to attain the certificated noise levels <sup>1</sup>	Take-Off Mass <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Note		
C5001	Hartzell Propeller Inc.	HC-E4N-3/E9083 S(K)	None	3,354	79.2	85.0	-



Page 8 of 11 TCDSN No.: EASA.A.010 Date: 25 March 2022 Issue: 9 Type Certificate Holder<sup>1</sup> Aircraft Type Designation<sup>1</sup> TBM700 N DAHER AEROSPACE (Commercial Designation TBM900) Engine Manufacturer<sup>1</sup> Pratt & Whitney Canada Engine Type Designation<sup>1</sup> PT6A-66D Noise Certification Basis ICAO Annex 16, Volume I Edition / Amendment Chapter<sup>1</sup> 10 (10.4b)

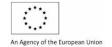
EASAPropellerPropellerPropellerRecord No.Manufacturer <sup>1</sup> Designation <sup>1</sup> requirements or needed to a		Propeller Type	Additional modifications essential to meet the	Maximum	Take-O	ff dB(A)	See
		requirements or needed to attain the certificated noise levels <sup>1</sup>	Take-Off Mass <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Note	
C11588	Hartzell Propeller Inc.	HC-E4N-3/E9083 S(K)	70-0322-00, 70-0323-71 and 70-0357-71 (Winglet, additional gear down, new tail cone and edge. New 'pitot' air intake, modified engine cowls and exhaust stubs. 850 HP maximum engine power during TO and landing.)	3,354	77.8 85.0		2
C11589	Hartzell Propeller Inc.	HC-E5N-3C/NC8834K	70-0322-00, 70-0323-71, 70-0357-71 and 70-0345-61 (Winglet, additional gear down, new tail cone and edge. New 'pitot' air intake, modified engine cowls and exhaust stubs. 850 HP maximum engine power during TO and landing. Installation of five blades propeller.)	3,354	76.4	85.0	2

<sup>1</sup> See Note 1.



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Type Certificate Holder <sup>1</sup>	DAHER AEROSPACE		Aircraft Type Designatic (Commercial Designatic		TBM700 N TBM960)	
Engine Manufacturer <sup>1</sup>	Pratt & Whitney Canada		Engine Type Designatio	n¹	PT6E-66XT	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12	Chapter <sup>1</sup>	10 (10.4b)	

EASA Record No.	Propeller Manufacturer <sup>1</sup>	Propeller Type Designation <sup>1</sup>	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels <sup>1</sup>	Maximum	Take-Off dB(A)		See
				Take-Off Mass <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Note
C14638	Hartzell Propeller Inc.	HC-5D31- NK366B1/86DB01B	MOD70-0621-76, MOD70-0665-61, MOD70-0322-00, MOD70-0323-71, MOD70-0357-71 and MOD70-0680- 10 (Engine installation (Engine power increase, Engine control and e-Throttle), Propeller installation, Aerodynamic efficiency Improvement, Propulsion Efficiency Improvement, Take-off and landing operation at 850 SHP and MTOM increase to 3454 kg), Silencer: DAHER AEROSPACE NOZZLE	3,454	77.1	85.0	-



#### **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.010 Notes

- 1. In cases where it is appropriate to issue a noise certificate, items so marked shall be included on EASA Form 45.
- 2. also applicable to TBM910 and TBM930



## Change Record

Issue	Date	Changes
lssue 1	08 January 2007	Initial Issue
Issue 2	29 January 2007	Page 3: Revise record C1719
		Page 5: Revise record C1721
Issue 3	20 April 2007	Page 3: Delete record C1719
		Page 4: Delete record C1720
		Page 5: Delete record C1721
		Page 3: Add record C4950
		Page 4: Add record C1717
		Page 5: Add record C1718
		Page 6: Add record C2818
		Page 7 Add record C5001
Issue 4	17 April 2009	Page 3: Revise record C4950
		Page 4: Revise record C1717
		Page 5: Revise record C1718
		Page 6: Revise record C2818
		Page 7 Revise record C5001
Issue 5	27 February 2014	Records C11587 - C11589 added.
Issue 6	05 March 2014	Record C11587 removed from TCDSN.
Issue 7	24 March 2014	Revision of the propeller type designation (record C11589)
Issue 8	12 April 2018	Change of TC holder name to DAHER AEROSPACE
Issue 9	25 March 2022	Record C14638 added

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