

European Aviation Safety Agency

EASA

TYPE-CERTIFICATE DATA SHEET FOR NOISE

VULCANAIR P.68

**Type Certificate Holder:
Vulcanair S.p.A.**

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For models : AP68TP 300 "Spartacus"
AP68TP 600 "Viator"
P.68 "Observer 2"
P.68 "Observer"
P.68 "Victor"
P.68 B "Victor"
P.68 C
P.68 C-TC
P.68 R "Victor"
P.68 TC "Observer"

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Type Certificate Holder* **Vulcanair S.p.A.** Aircraft Type Designation* **AP68TP 300 "Spartacus"**
 Engine Manufacturer* **Allison** Engine Type Designation* **250-B17C**
 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
C2338	Hartzell Propeller Inc.	HC-83TF-7A/T10173F-21R	none	2,600	71.9	80.0
C9750	Hartzell Propeller Inc.	HC-83TF-7A/T10173FN-21R	none	2,600	71.9	80.0

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

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Type Certificate Holder* **Vulcanair S.p.A.** Aircraft Type Designation* **AP68TP 600 "Viator"**
 Engine Manufacturer* **Allison** Engine Type Designation* **250-B17C**
 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
C5060	Hartzell Propeller Inc.	HC-B3TF-7A/T10173F-21R	none	3,000	79.5	88.0
C9749	Hartzell Propeller Inc.	HC-B3TF-7A/T10173FN-21R	none	3,000	79.5	88.0

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Type Certificate Holder* **Vulcanair S.p.A.** Aircraft Type Designation* **P.68 "Observer 2"**
 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
C5474	Hartzell Propeller Inc.	HC-C2YK-2C()/FC7666A-4	none	2,084	72.7	88.0

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Type Certificate Holder* **Vulcanair S.p.A.** Aircraft Type Designation* **P.68 "Observer"**
 Engine Manufacturer* **Lycoming** Engine Type Designation* **IO-360-A1B**
 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
C3859	Hartzell Propeller Inc.	HC-C2YK-2C()F/FC7666A-4	none	1,960	73.7	80.0

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Type Certificate Holder	Vulcanair S.p.A.	Aircraft Type Designation	P.68 "Victor"
Engine Manufacturer	Lycoming	Engine Type Designation	IO-360-A1B
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Chapter

EASA Record No.	Propeller Manufacturer	Propeller Type Designation	Additional modifications	Maximum Take-off mass (kg)	Take-off dB(A)	
					Level	Limit
C9744	Hartzell Propeller Inc.	HC-C2YK-2C()/C7666A-4	none	1,960	**	**
C9742	Hartzell Propeller Inc.	HC-C2YK-2C()/C7666A-4	none	1,860	**	**

**By virtue of the date of type certification this aircraft type is in accordance with the provisions of Article 6.1 of Regulation 216/2008 without the need to comply with the Standards of ICAO Annex 16, Volume I. However for individual examples of this aircraft type which were first issued with a certificate of airworthiness on or after 1 January 1980 there is a need to demonstrate compliance with the Standards of ICAO Annex 16, Volume I.

Type Certificate Holder	Vulcanair S.p.A.	Aircraft Type Designation	P.68 "Victor"
Engine Manufacturer	Lycoming	Engine Type Designation	IO-360-A1B
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
C3424	Hartzell Propeller Inc.	HC-C2YK-2C()F/FC7666A-4	none	1,960	76.4**	88.0**

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Type Certificate Holder	Vulcanair S.p.A.	Aircraft Type Designation	P.68 "Victor"
Engine Manufacturer	Lycoming	Engine Type Designation	IO-360-A1B
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
C5670	Hartzell Propeller Inc.	HC-C2YK-2C()F/FC7666A-4	none	1,860	73.2**	80.0**

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Type Certificate Holder	Vulcanair S.p.A.	Aircraft Type Designation	P.68 "Victor"
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
C5671	Hartzell Propeller Inc.	HC-C2YK-2C()F/FC7666A-4	none	1,860	73.2**	80.0**

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Type Certificate Holder* **Vulcanair S.p.A.** Aircraft Type Designation* **P.68 B "Victor"**
 Engine Manufacturer* **Lycoming** Engine Type Designation* **IO-360-A1B**
 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
C3426	Hartzell Propeller Inc.	HC-C2YK-2C()F/FC7666A-4	none	1,990	76.4	88.0
C3427	Hartzell Propeller Inc.	HC-C2YK-2C()F/FC7666A-4	none	1,960	76.4	88.0

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

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Type Certificate Holder	Vulcanair S.p.A.	Aircraft Type Designation	P.68 B "Victor"
Engine Manufacturer	Lycoming	Engine Type Designation	IO-360-A1B
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Chapter

EASA Record No.	Propeller Manufacturer	Propeller Type Designation	Additional modifications	Maximum Take-off mass (kg)	Take-off dB(A)	
					Level	Limit
C9748	Hartzell Propeller Inc.	HC-C2YK-2C()F/FC7666A-4	none	1,960	**	**

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Type Certificate Holder* **Vulcanair S.p.A.** Aircraft Type Designation* **P.68 B "Victor"**
 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
C3876	Hartzell Propeller Inc.	HC-C2YK-2C()F/FC7666A-4	none	1,990	73.6	80.0
C3877	Hartzell Propeller Inc.	HC-C2YK-2C()F/FC7666A-4	none	1,960	74.8	80.0

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Type Certificate Holder	Vulcanair S.p.A.	Aircraft Type Designation	P.68 B "Victor"
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
C3428	Hartzell Propeller Inc.	HC-C2YK-2C()F/FC7666A-4	none	1,960	76.4**	88.0**

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Type Certificate Holder	Vulcanair S.p.A.	Aircraft Type Designation	P.68 B "Victor"
Engine Manufacturer	Lycoming	Engine Type Designation	IO-360-A1B6
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Chapter

EASA Record No.	Propeller Manufacturer	Propeller Type Designation	Additional modifications	Maximum Take-off mass (kg)	Take-off dB(A)	
					Level	Limit
C9747	Hartzell Propeller Inc.	HC-C2YK-2C()F/FC7666A-4	none	1,960	**	**

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Type Certificate Holder* **Vulcanair S.p.A.** Aircraft Type Designation* **P.68 C**
 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
C5726	Hartzell Propeller Inc.	HC-C2YK-2C()F/FC7666A-4	none	2,084	77.6	88.0
C3429	Hartzell Propeller Inc.	HC-C2YK-2C()F/FC7666A-4	none	1,990	76.4	88.0

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Type Certificate Holder* **Vulcanair S.p.A.** Aircraft Type Designation* **P.68 C**
 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
C3880	Hartzell Propeller Inc.	HC-C2YK-2C()/FC7666A-4	none	1,990	73.7	80.0

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Type Certificate Holder* **Vulcanair S.p.A.** Aircraft Type Designation* **P.68 C-TC**
 Engine Manufacturer* **Lycoming** Engine Type Designation* **TIO-360-C1A6D**
 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
C10438	Hartzell Propeller Inc.	HC-C2YK-2C()F/FC7666A-0	Modification P68/073 (Increase of MTOW)	2,084	83.2	88.0
C3431	Hartzell Propeller Inc.	HC-C2YK-2C()F/FC7666A-0	none	1,990	80.4	88.0

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Type Certificate Holder* **Vulcanair S.p.A.** Aircraft Type Designation* **P.68 C-TC**
 Engine Manufacturer* **Lycoming** Engine Type Designation* **TIO-360-C1A6D**
 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
C3430	Hartzell Propeller Inc.	HC-C2YK-2C()F/FC7666A-0	none	1,990	74.6	80.0

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Type Certificate Holder* **Vulcanair S.p.A.** Aircraft Type Designation* **P.68 C-TC**
 Engine Manufacturer* **Lycoming** Engine Type Designation* **TO-360-C1A6D**
 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
C3432	Hartzell Propeller Inc.	HC-C2YK-2C()F/FC7666A-0	none	1,990	74.6	80.0

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Type Certificate Holder* **Vulcanair S.p.A.** Aircraft Type Designation* **P.68 C-TC**
 Engine Manufacturer* **Lycoming** Engine Type Designation* **TO-360-C1A6D**
 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
C3433	Hartzell Propeller Inc.	HC-C2YK-2C()/FC7666A-0	none	1,990	80.4	88.0

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Type Certificate Holder	Vulcanair S.p.A.	Aircraft Type Designation	P.68 R "Victor"
Engine Manufacturer	Lycoming	Engine Type Designation	IO-360-A1B
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
C8955	Hartzell Propeller Inc.	HC-C2YK-2C()F/FC7666A-4	none	1,960	76.4**	88.0**

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Type Certificate Holder* **Vulcanair S.p.A.** Aircraft Type Designation* **P.68 R "Victor"**
 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
C9911	Hartzell Propeller Inc.	HC-C2YK-2C()F/FC7666A-4	none	2,063	78.8	88.0
C9758	Hartzell Propeller Inc.	HC-C2YK-2C()F/FC7666A-4	none	1,960	76.4	88.0

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Type Certificate Holder* **Vulcanair S.p.A.** Aircraft Type Designation* **P.68 TC "Observer"**
 Engine Manufacturer* **Lycoming** Engine Type Designation* **TIO-360-C1A6D**
 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
C10391	Hartzell Propeller Inc.	HC-C2YK-2C()/FC7666A-0	none	2,084	83.2	88.0
C3434	Hartzell Propeller Inc.	HC-C2YK-2C()/FC7666A-0	none	1,960	83.2	88.0

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Change Record

Issue	Date	Changes
Issue 1	05 November 2009	Initial Issue
Issue 2	12 July 2010	Added records C2338, C9750, C5060, C9749
Issue 3	07 June 2011	Record C10391 added.
Issue 4	21 June 2011	Changed record C10391, added record C10438