

TYPE-CERTIFICATE DATA SHEET FOR NOISE

No. EASA.A.385

for

Vulcanair P.68

Type Certificate Holder: Vulcanair S.p.A. Via Giovanni Pascoli, 7 80026 - Casoria (Napoli) ITALY

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



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Type Certificate Holder ¹	Vulcanair S.p.A.		Aircraft Type Designation ¹	AP68TP-300 "Spart	acus"
Engine Manufacturer ¹	Allison		Engine Type Designation ¹	250-B17C	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment		Chapter ¹	6

E A S A	Dranallar	Drepeller Ture	Additional modifications essential to meet the	Maximum	Overflight dB(A)		See Note
EASA Record No.	requirements or needed to attain the certifi	requirements or needed to attain the certificated noise levels	Take-off mass ¹ (kg)	Level ¹	Limit		
C13388	Hartzell Propeller Inc.	HC-B3TF-7A/T10173BF-21R	none	2,600	71.9	80.0	-
C2338	Hartzell Propeller Inc.	HC-B3TF-7A/T10173F-21R	none	2,600	71.9	80.0	-
C9750	Hartzell Propeller Inc.	HC-B3TF-7A/T10173FN-21R	none	2,600	71.9	80.0	-

¹ See Note 1.



Type Certificate Holder ¹	Vulcanair S.p.A.		Aircraft Type Designation ¹	AP68TP-600 "Viate	or"
Engine Manufacturer ¹	Allison		Engine Type Designation ¹	250-B17C	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment		Chapter ¹	10 (10.4a)

E A S A	noise levels	Dropollor Tupo	Additional modifications essential to meet the	Maximum	Take-off dB(A)		See
Record No.		Take-off mass ¹ (kg)	Level ¹	Limit	Note		
C13389	Hartzell Propeller Inc.	HC-B3TF-7A/T10173BF-21R	none	3,000	79.5	88.0	-
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	-	

¹ See Note 1.



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Type Certificate Holder ¹	Vulcanair S.p.A.		Aircraft Type Designation ¹	P.68 "Observer 2"	
Engine Manufacturer ¹	Lycoming		Engine Type Designation ¹	IO-360-A1B6	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment		Chapter ¹	10 (10.4a)

FACA			Additional modifications essential to meet the	Maximum	Take-off dB(A)		500
EASA Propeller Record No. Manufacturer ¹	Propeller Type Designation ¹	requirements or needed to attain the certificated noise levels	Take-off mass ¹ (kg)	Level ¹	Limit	See Note	
C5474	Hartzell Propeller Inc.	HC-C2YK-2C()F/FC7666A-4	none	2,084	72.7	88.0	-

¹ See Note 1.



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Type Certificate Holder ¹	Vulcanair S.p.A.		Aircraft Type Designation ¹	P.68 "Observer"	
Engine Manufacturer ¹	Lycoming		Engine Type Designation ¹	IO-360-A1B6	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment		Chapter ¹	6

		Additional modifications essential to meet the	Maximum	Overflight dB(A)		Sec.	
	Propeller Manufacturer ¹	Propeller Type Designation ¹	requirements or needed to attain the certificated noise levels	Take-off mass ¹ (kg) Level ¹	Level ¹	Limit	See Note
C3859	Hartzell Propeller Inc.	HC-C2YK-2C()F/FC7666A(B)-4	none	1,960	73.7	80.0	-

¹ See Note 1.



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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	Propeller	Dropollor Tupo	Additional modifications essential to meet the		Take-of	ff dB(A)	See
Record No.		Propeller Type Designation	requirements or needed to attain the certificated noise levels	Take-off mass (kg)	Level	Limit	Note
C9744	Hartzell Propeller Inc.	НС-С2ҮК-2С()/С7666А-4	none	1,960	-		1
C9742	Hartzell Propeller Inc.	НС-С2ҮК-2С()/С7666А-4	none	1,860	-		1



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)

FACA		Additional modifications essential to meet the	Maximum	Take-off dB(A)		Coo	
EASA Propeller Propeller Type Record No. Manufacturer Designation		requirements or needed to attain the certificated noise levels	Take-off mass (kg)	Level	Limit	See Note	
C3424	Hartzell Propeller Inc.	HC-C2YK-2C()F/FC7666A-4	none	1,960	76.4	88.0	1



Type Certificate Holder	Vulcanair S.p.A.	Aircraft Type De	signation	P.68 "Victor"	
Engine Manufacturer	Lycoming	Engine Type Des	signation	IO-360-A1B	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment		Chapter	6

	Dreneller Ture	Additional modifications essential to meet the	Maximum	Overflig	ht dB(A)	<u>f</u> ac	
EASA Record No.	Propeller Manufacturer	Propeller Type Designation	requirements or needed to attain the certificated noise levels	Take-off mass (kg)	Level	Limit	See Note
C5670	Hartzell Propeller Inc.	HC-C2YK-2C()F/FC7666A-4	none	1,860	73.2	80.0	1



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

EASA Propeller Record No. Manufacturer	Dropollor Tupo	Additional modifications essential to meet the	Maximum	Take-of	ff dB(A)	Soo	
		Propeller Type Designation	requirements or needed to attain the certificated noise levels	Take-off mass (kg)		Level	_
C9745	Hartzell Propeller Inc.	НС-С2ҮК-2С()/С7666А-4	none	1,960	-		1
C9746	Hartzell Propeller Inc.	HC-C2YK-2C()F/FC7666A-4	none	1,960	-		1
C9743	Hartzell Propeller Inc.	НС-С2ҮК-2С()/С7666А-4	none	1,860	-		1



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 Propeller Propeller	Dropollor Typo	Additional modifications essential to meet the	Maximum	Overflig	ht dB(A)	See	
Record No.	Manufacturer	Propeller Type Designation	requirements or needed to attain the certificated noise levels	Take-off mass (kg)	Level	Limit	Note
C14347	Hartzell Propeller Inc.	HC-C2YK-2C()F/FC7666A-4	Service Bulletins No. 21 & No. 160 (Increase in MTOM)	1,990	73.6	80.0	-
C5671	Hartzell Propeller Inc.	HC-C2YK-2C()F/FC7666A-4	none	1,860	73.2	80.0	1



Type Certificate Holder ¹	Vulcanair S.p.A.		Aircraft Type Designation ¹	P.68B "Victor"	
Engine Manufacturer ¹	Lycoming		Engine Type Designation ¹	IO-360-A1B	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment		Chapter ¹	10 (10.4a)

EASA Propeller	Bropollor Tupo	Additional modifications essential to meet the	Maximum	Take-of	ff dB(A)	500	
Record No.	Manufacturer ¹	Propeller Type Designation ¹	requirements or needed to attain the certificated noise levels	Take-off mass ¹ (kg)	Level ¹	Limit	See Note
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	1

¹ See Note 1.



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

EASA Dranallar	Dreneller Ture	Additional modifications essential to meet the	Maximum	Take-of	ff dB(A)	(e e	
EASA Record No.	Propeller Manufacturer	Propeller Type Designation	requirements or needed to attain the certificated noise levels	Take-off mass (kg)	Level	Limit	See Note
C9748	Hartzell Propeller Inc.	HC-C2YK-2C()F/FC7666A-4	none	1,960	-		1



Type Certificate Holder	Vulcanair S.p.A.	Aircraft Type Designat	ion	P.68B "Victor"	
Engine Manufacturer	Lycoming	Engine Type Designation	on	IO-360-A1B6	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment		Chapter	6

EASA Propeller	Dropollor Tupo	Additional modifications essential to meet the	Maximum	Overflig	ht dB(A)	500	
Record No.	Manufacturer	Propeller Type Designation	requirements or needed to attain the certificated noise levels	Take-off mass (kg)	Level	Limit	See Note
C3876	Hartzell Propeller Inc.	HC-C2YK-2C()F/FC7666A-4	none	1,990	73.6	80.0	1
C3877	Hartzell Propeller Inc.	HC-C2YK-2C()F/FC7666A-4	none	1,960	74.8	80.0	1



Type Certificate Holder	Vulcanair S.p.A.		Aircraft Type Designation	P.68B "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 Propeller Propeller Type	Additional modifications essential to meet the	Maximum	Take-off dB(A)		6		
Record No.	Manufacturer	Propeller Type Designation	requirements or needed to attain the certificated noise levels	Take-off mass (kg)	Loval	Limit	See Note
C3428	Hartzell Propeller Inc.	HC-C2YK-2C()F/FC7666A-4	none	1,960	76.4	88.0	1



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

EASA Propeller Propeller Type	Dreneller Ture	Additional modifications essential to meet the	Maximum	Take-off dB(A)		Coo	
Record No.	Manufacturer	Propeller Type Designation	requirements or needed to attain the certificated noise levels	Take-off mass (kg) Level	Level	Limit	See Note
C9747	Hartzell Propeller Inc.	HC-C2YK-2C()F/FC7666A-4	none	1,960	-		1



Type Certificate Holder ¹	Vulcanair S.p.A.	,	Aircraft Type Designation ¹	P.68C	
Engine Manufacturer ¹	Lycoming	I	Engine Type Designation ¹	IO-360-A1B6	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment		Chapter ¹	10 (10.4a)

EASA Propeller Propeller Type	Additional modifications essential to meet the	ications essential to meet the Maximum		Take-off dB(A)			
Record No.	Manufacturer ¹	Designation ¹	requirements or needed to attain the certificated noise levels	Take-off mass ¹ (kg) Level ¹	Level ¹	Limit	See Note
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	-

¹ See Note 1.



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Type Certificate Holder ¹	Vulcanair S.p.A.		Aircraft Type Designation ¹	P.68C	
Engine Manufacturer ¹	Lycoming		Engine Type Designation ¹	IO-360-A1B6	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment		Chapter ¹	6

EASA Propeller Propeller Type	Additional modifications essential to meet the	Maximum	Overflight dB(A)				
Record No.	Propeller Manufacturer ¹	Propeller Type Designation ¹	requirements or needed to attain the certificated noise levels	Take-off mass ¹ (kg)	Level ¹	¹ Limit	See Note
C3880	Hartzell Propeller Inc.	HC-C2YK-2C()F/FC7666A-4	none	1,990	73.7	80.0	-

¹ See Note 1.



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Type Certificate Holder ¹	Vulcanair S.p.A.		Aircraft Type Designation ¹	P.68C-TC	
Engine Manufacturer ¹	Lycoming		Engine Type Designation ¹	TIO-360-C1A6D	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment		Chapter ¹	10 (10.4a)

EASA	EASA Propeller Propeller Type	Dropollor Tupo	Additional modifications essential to meet the	Maximum	Take-o	See	
Record No.	Manufacturer ¹	Designation ¹	requirements or needed to attain the certificated noise levels	Take-off mass ¹ (kg)	Level ¹	Limit	Note
C10438	Hartzell Propeller Inc.	HC-C2YK-2C()F/FC7666A-0	Modification P68/073 (Increase of MTOM)	2,084	83.2	88.0	-
C3431	Hartzell Propeller Inc.	HC-C2YK-2C()F/FC7666A-0	none	1,990	80.4	88.0	-

¹ See Note 1.



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Type Certificate Holder ¹	Vulcanair S.p.A.		Aircraft Type Designation ¹	P.68C-TC	
Engine Manufacturer ¹	Lycoming		Engine Type Designation ¹	TIO-360-C1A6D	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment		Chapter ¹	6

EASA Propeller Propeller Type	Additional modifications essential to meet the	Maximum	Overflig	Sec.			
Record No.	Propeller Manufacturer ¹	Propeller Type Designation ¹	requirements or needed to attain the certificated noise levels	Take-off mass ¹ (kg)	laural 1	Limit	See Note
C3430	Hartzell Propeller Inc.	HC-C2YK-2C()F/FC7666A-0	none	1,990	74.6	80.0	-

¹ See Note 1.



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Type Certificate Holder ¹	Vulcanair S.p.A.	Aircraft	aft Type Designation ¹	P.68C-TC	
Engine Manufacturer ¹	Lycoming	Engine	e Type Designation ¹	TO-360-C1A6D	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment		Chapter ¹	6

FACA	Dreneller	Dreneller Ture	Additional modifications essential to meet the	Maximum	Overflig	ht dB(A)	
EASA Record No.	Propeller Manufacturer ¹	Propeller Type Designation ¹	requirements or needed to attain the certificated noise levels	Take-off mass ¹ (kg)	Level ¹	Limit	See Note
C3432	Hartzell Propeller Inc.	HC-C2YK-2C()F/FC7666A-0	none	1,990	74.6	80.0	-

¹ See Note 1.



Type Certificate Holder ¹	Vulcanair S.p.A.		Aircraft Type Designation ¹	P.68C-TC	
Engine Manufacturer ¹	Lycoming		Engine Type Designation ¹	TO-360-C1A6D	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment		Chapter ¹	10 (10.4a)

	Drepeller	Dropollor Tupo	Additional modifications essential to meet the	Maximum	Take-o	ff dB(A)	500
EASA Record No.	Propeller Manufacturer ¹	Propeller Type Designation ¹	requirements or needed to attain the certificated noise levels	Take-off mass ¹ (kg)	Level ¹	Limit	See Note
C3433	Hartzell Propeller Inc.	HC-C2YK-2C()F/FC7666A-0	none	1,990	80.4	88.0	-

¹ See Note 1.



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Type Certificate Holder	Vulcanair S.p.A.	Aircraft Type Designation	P.68R "Victor"	
Engine Manufacturer	Lycoming	Engine Type Designation	IO-360-A1B	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Chapter	10 (10.4a)

FACA			Additional modifications essential to meet the	Maximum	Take-off dB(A)		<u>f</u> aa
EASA Record No.	Propeller Manufacturer	Propeller Type Designation	requirements or needed to attain the certificated noise levels	Take-off mass (kg)	Level	Limit	See Note
C8955	Hartzell Propeller Inc.	HC-C2YK-2C()F/FC7666A-4	none	1,960	76.4	88.0	1



Type Certificate Holder ¹	Vulcanair S.p.A.		Aircraft Type Designation ¹	P.68R "Victor"	
Engine Manufacturer ¹	Lycoming		Engine Type Designation ¹	IO-360-A1B6	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment		Chapter ¹	10 (10.4a)

EASA	SA Propeller Propeller Type		Additional modifications essential to meet the	Maximum	Take-o	ff dB(A)	500
Record No.	Manufacturer ¹	Propeller Type Designation ¹	requirements or needed to attain the certificated noise levels	Take-off mass ¹ (kg)	Level ¹	Limit	See Note
C9911	Hartzell Propeller Inc.	HC-C2YK-2C()F/FC7666A-4	Modification P68/151 (Increase of MTOM)	2,063	78.8	88.0	-
C9758	Hartzell Propeller Inc.	HC-C2YK-2C()F/FC7666A-4	none	1,960	76.4	88.0	1

¹ See Note 1.



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Type Certificate Holder ¹	Vulcanair S.p.A.		Aircraft Type Designation ¹	P.68TC "Observer'	1
Engine Manufacturer ¹	Lycoming		Engine Type Designation ¹	TIO-360-C1A6D	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment		Chapter ¹	10 (10.4a)

EASA	ASA Propeller Propeller Type		Additional modifications essential to meet the	Maximum	Take-off dB(A)		See
Record No.	Manufacturer ¹	Propeller Type Designation ¹	requirements or needed to attain the certificated noise levels	Take-off mass ¹ (kg)	Level ¹	Limit	Note
C10391	Hartzell Propeller Inc.	HC-C2YK-2C()F/FC7666A-0	none	2,084	83.2	88.0	-
C3434	Hartzell Propeller Inc.	HC-C2YK-2C()F/FC7666A-0	none	1,960	83.2	88.0	-

¹ See Note 1.



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TCDSN EASA.A.385 Notes

- 1. Items so marked shall be included on EASA Form 45.
- This aircraft type conforms with the provisions of Article 6.1 of Regulation 2018/1139 without the need to comply with the Standards of ICAO Annex 16, Volume I, by virtue of the date of type certification. However individual examples of this type which were first issued with a certificate of airworthiness on or after 1 January 1980 are required to demonstrate compliance with the Standards of ICAO Annex 16, Volume I, Chapter 6.



Change Record

Issue	Date	Changes
lssue 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
Issue 5	06 August 2013	Revised address of TC holder
Issue 6	20 October 2014	Revised
lssue 7	25 July 2017	Records C2338 and C9750 revised; records C13388 and C13389 added
Issue 8	15 September 2020	Added record C14347

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