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# TYPE-CERTIFICATE DATA SHEET FOR NOISE

**No. EASA.A.613**

**for**

**Vulcanair P.64, P.66, V1 Series**

**Type Certificate Holder:**

**Vulcanair S.p.A.**

Via Giovanni Pascoli, 7  
80026 - Casoria (Napoli)  
Italy

For models:	P.64 "Oscar"	Vulcanair V1.0
	P.64B "Oscar 200"	Vulcanair V1.1
	P.64B "Oscar B 1155"	Vulcanair V1.100L
	P.64B "Oscar B"	Vulcanair V1.150L
	P.66B "Oscar 100"	Vulcanair V1.CL
	P.66B "Oscar 150"	
	P.66C "Charlie"	



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Type Certificate Holder      **Vulcanair S.p.A.**      Aircraft Type Designation      **P.64 "Oscar"**

Engine Manufacturer      **Lycoming**      Engine Type Designation      **O-360-A1A**

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

EASA Record No.	Propeller Manufacturer	Propeller Type Designation	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels	Maximum Take-off mass (kg)	Take-off dB(A)		See Note
					Level	Limit	
C12647	<b>Hartzell Propeller Inc.</b>	<b>HC-C2YK-1B(F)/(F)7666A</b>	<b>none</b>	<b>1,100</b>	-		<b>2</b>

Type Certificate Holder	<b>Vulcanair S.p.A.</b>	Aircraft Type Designation	<b>P.64 "Oscar"</b>
Engine Manufacturer	<b>Lycoming</b>	Engine Type Designation	<b>O-360-A3A</b>
Noise Certification Basis	<b>ICAO Annex 16, Volume I</b>	Edition / Amendment	Chapter <b>6</b>

EASA Record No.	Propeller Manufacturer	Propeller Type Designation	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels	Maximum Take-off mass (kg)	Take-off dB(A)		See Note
					Level	Limit	
C12649	<b>Sensenich</b>	<b>76EM8-0-65</b>	<b>none</b>	<b>1,100</b>	-		<b>2</b>
C12648	<b>Sensenich</b>	<b>M76EMM-0-65</b>	<b>none</b>	<b>1,100</b>	-		<b>2</b>



Type Certificate Holder      **Vulcanair S.p.A.**      Aircraft Type Designation      **P.64B "Oscar 200"**

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 essential to meet the requirements or needed to attain the certificated noise levels	Maximum Take-off mass (kg)	Overflight dB(A)		See Note
					Level	Limit	
C8974	<b>Hartzell Propeller Inc.</b>	<b>HC-C2YK-1B(F)/(F)766A</b>	<b>none</b>	<b>1,155</b>	<b>74.7</b>	<b>75.4</b>	<b>2</b>

Type Certificate Holder      **Vulcanair S.p.A.**      Aircraft Type Designation      **P.64B "Oscar B 1155"**

Engine Manufacturer      **Lycoming**      Engine Type Designation      **O-360-A1A**

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

EASA Record No.	Propeller Manufacturer	Propeller Type Designation	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels	Maximum Take-off mass (kg)	Take-off dB(A)		See Note
					Level	Limit	
C12641	<b>Hartzell Propeller Inc.</b>	<b>HC-C2YK-1B(F)/(F)7666A</b>	<b>none</b>	<b>1,155</b>	-		<b>2</b>



Type Certificate Holder      **Vulcanair S.p.A.**      Aircraft Type Designation      **P.64B "Oscar B"**

Engine Manufacturer      **Lycoming**      Engine Type Designation      **O-360-A1A**

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

EASA Record No.	Propeller Manufacturer	Propeller Type Designation	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels	Maximum Take-off mass (kg)	Take-off dB(A)		See Note
					Level	Limit	
C12651	<b>Hartzell Propeller Inc.</b>	<b>HC-C2YK-1B(F)/(F)7666A</b>	<b>none</b>	<b>1,100</b>	-		<b>2</b>



Type Certificate Holder	<b>Vulcanair S.p.A.</b>	Aircraft Type Designation	<b>P.64B "Oscar B"</b>
Engine Manufacturer	<b>Lycoming</b>	Engine Type Designation	<b>O-360-A3A</b>
Noise Certification Basis	<b>ICAO Annex 16, Volume I</b>	Edition / Amendment	Chapter <b>6</b>

EASA Record No.	Propeller Manufacturer	Propeller Type Designation	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels	Maximum Take-off mass (kg)	Take-off dB(A)		See Note
					Level	Limit	
C12650	<b>Sensenich</b>	<b>76EM8-0-65</b>	<b>none</b>	<b>1,100</b>	-		<b>2</b>
C12652	<b>Sensenich</b>	<b>M76EMM-0-65</b>	<b>none</b>	<b>1,100</b>	-		<b>2</b>





Type Certificate Holder      **Vulcanair S.p.A.**      Aircraft Type Designation      **P.66B "Oscar 100"**

Engine Manufacturer      **Lycoming**      Engine Type Designation      **O-235-C1**

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

EASA Record No.	Propeller Manufacturer	Propeller Type Designation	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels	Maximum Take-off mass (kg)	Take-off dB(A)		See Note
					Level	Limit	
C12643	<b>Sensenich</b>	<b>M76AM</b>	<b>none</b>	<b>820</b>	-		<b>2</b>

Type Certificate Holder      **Vulcanair S.p.A.**      Aircraft Type Designation      **P.66B "Oscar 100"**

Engine Manufacturer      **Lycoming**      Engine Type Designation      **O-235-C1B**

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

EASA Record No.	Propeller Manufacturer	Propeller Type Designation	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels	Maximum Take-off mass (kg)	Take-off dB(A)		See Note
					Level	Limit	
C12644	<b>Sensenich</b>	<b>76AM6</b>	<b>none</b>	<b>820</b>	-		<b>2</b>

Type Certificate Holder      **Vulcanair S.p.A.**      Aircraft Type Designation      **P.66B "Oscar 150"**

Engine Manufacturer      **Lycoming**      Engine Type Designation      **O-320-E2A**

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

EASA Record No.	Propeller Manufacturer	Propeller Type Designation	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels	Maximum Take-off mass (kg)	Take-off dB(A)		See Note
					Level	Limit	
C5495	<b>Sensenich</b>	<b>74DM6S5-2-60</b>	<b>none</b>	<b>930</b>	-		<b>2</b>

Type Certificate Holder      **Vulcanair S.p.A.**      Aircraft Type Designation      **P.66C "Charlie"**

Engine Manufacturer      **Lycoming**      Engine Type Designation      **O-320-H2AD**

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

EASA Record No.	Propeller Manufacturer	Propeller Type Designation	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels	Maximum Take-off mass (kg)	Overflight dB(A)		See Note
					Level	Limit	
C5408	<b>Hoffmann Propeller</b>	<b>HO-23C-186-140</b>	<b>none</b>	<b>990</b>	<b>72.8</b>	<b>73.2</b>	<b>2</b>

Type Certificate Holder<sup>1</sup>      **Vulcanair S.p.A.**      Aircraft Type Designation<sup>1</sup>      **Vulcanair V1.0**

Engine Manufacturer<sup>1</sup>      **Lycoming**      Engine Type Designation<sup>1</sup>      **IO-360-M1A**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      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	Maximum Take-off mass <sup>1</sup> (kg)	Take-off dB(A)		See Note
					Level <sup>1</sup>	Limit	
C12642	<b>Hartzell Propeller Inc.</b>	<b>HC-C2YR-1B(F)(/)(F)7497</b>	<b>Vulcanair Mod. V1/05 (Installation of Lycoming IO-360-M1A)</b>	<b>1,155</b>	<b>80.2</b>	<b>80.9</b>	-
C14195	<b>MT-Propeller Entwicklung GmbH</b>	<b>MT 188R135-4G</b>	<b>Vulcanair Mod. V1/22 (Installation of fixed-pitch MT propeller MT 188R135-4G), S11435 (Conversion to constant speed to fixed pitch propeller)</b>	<b>1,155</b>	<b>77.4</b>	<b>80.9</b>	-

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

Type Certificate Holder      **Vulcanair S.p.A.**      Aircraft Type Designation      **Vulcanair V1.1**

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 essential to meet the requirements or needed to attain the certificated noise levels	Maximum Take-off mass (kg)	Overflight dB(A)		See Note
					Level	Limit	
C12638	<b>Hartzell Propeller Inc.</b>	<b>HC-C2YK-1B(F)/(F)766A</b>	<b>none</b>	<b>1,155</b>	<b>74.7</b>	<b>75.4</b>	<b>2</b>



Type Certificate Holder      **Vulcanair S.p.A.**      Aircraft Type Designation      **Vulcanair V1.100L**

Engine Manufacturer      **Lycoming**      Engine Type Designation      **O-235-C1**

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

EASA Record No.	Propeller Manufacturer	Propeller Type Designation	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels	Maximum Take-off mass (kg)	Take-off dB(A)		See Note
					Level	Limit	
C12645	<b>Sensenich</b>	<b>M76AM</b>	<b>none</b>	<b>820</b>	-		<b>2</b>

Type Certificate Holder      **Vulcanair S.p.A.**      Aircraft Type Designation      **Vulcanair V1.100L**

Engine Manufacturer      **Lycoming**      Engine Type Designation      **O-235-C1B**

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

EASA Record No.	Propeller Manufacturer	Propeller Type Designation	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels	Maximum Take-off mass (kg)	Take-off dB(A)		See Note
					Level	Limit	
C12646	<b>Sensenich</b>	<b>76AM6</b>	<b>none</b>	<b>820</b>	-		<b>2</b>



Type Certificate Holder      **Vulcanair S.p.A.**      Aircraft Type Designation      **Vulcanair V1.150L**

Engine Manufacturer      **Lycoming**      Engine Type Designation      **O-320-E2A**

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

EASA Record No.	Propeller Manufacturer	Propeller Type Designation	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels	Maximum Take-off mass (kg)	Take-off dB(A)		See Note
					Level	Limit	
C12639	<b>Sensenich</b>	<b>74DM6S5-2-60</b>	<b>none</b>	<b>930</b>	-		<b>2</b>

Type Certificate Holder      **Vulcanair S.p.A.**      Aircraft Type Designation      **Vulcanair V1.CL**

Engine Manufacturer      **Lycoming**      Engine Type Designation      **O-320-H2AD**

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

EASA Record No.	Propeller Manufacturer	Propeller Type Designation	Additional modifications essential to meet the requirements or needed to attain the certificated noise levels	Maximum Take-off mass (kg)	Overflight dB(A)		See Note
					Level	Limit	
C12640	<b>Hoffmann Propeller</b>	<b>HO-23C-186-140</b>	<b>none</b>	<b>990</b>	<b>72.8</b>	<b>73.2</b>	<b>2</b>



### **TCDSN EASA.A.613 Notes**

1. Items so marked shall be included on EASA Form 45.
2. This aircraft type conforms 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, 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**

<b>Issue</b>	<b>Date</b>	<b>Changes</b>
Issue 1	29 April 2016	Initial Issue
Issue 2	30 May 2016	Record C12641 revised.
Issue 3	05 January 2020	Added Mod.V1/22

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