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## TYPE-CERTIFICATE DATA SHEET FOR NOISE

**No. EASA.IM.A.234**

**for**

**Piper PA-28**

**Type Certificate Holder:**

**Piper Aircraft, Inc.**

2926 Piper Drive

Vero Beach, Florida 32960

U.S.A.

For models: PA-28-181 (Archer III)



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Type Certificate Holder<sup>1</sup>      **Piper Aircraft, Inc.**      Aircraft Type Designation<sup>1</sup>      **PA-28-181**

Engine Manufacturer<sup>1</sup>      **Lycoming**      Engine Type Designation<sup>1</sup>      **IO-360-B4A**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      Chapter<sup>1</sup>      **10 (10.4a)**

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	
C13731	<b>Sensenich</b>	<b>76EM8S14-0-62</b>	<b>Silencer : Piper Piper P/N 85577-2 or 104628-002 Optional "low Noise" muffler system</b>	<b>1,157</b>	<b>75.3</b>	<b>85.3</b>	-
C13732	<b>Sensenich</b>	<b>76EM8S14-0-62</b>	<b>Silencer : Piper None, (Tailpipe only P/N 85477-9 or 85477-11) Standard exhaust system</b>	<b>1,157</b>	<b>77.7</b>	<b>85.3</b>	-

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

Type Certificate Holder<sup>1</sup>      **Piper Aircraft, Inc.**      Aircraft Type Designation<sup>1</sup>      **PA-28-181**

Engine Manufacturer<sup>1</sup>      **Lycoming**      Engine Type Designation<sup>1</sup>      **O-360-A4M**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      Chapter<sup>1</sup>      **10 (10.4a)**

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	
C11269	<b>Sensenich</b>	<b>76EM8S14-0-62</b>	<b>Silencer : Piper 104628-002</b>	<b>1,157</b>	<b>77.7</b>	<b>85.3</b>	<b>2</b>
C5500	<b>Sensenich</b>	<b>76EM8S14-0-62</b>	<b>Silencer : Piper 85577-2</b>	<b>1,157</b>	<b>75.3</b>	<b>85.3</b>	<b>2</b>
C5486	<b>Sensenich</b>	<b>76EM8S14-0-62</b>	<b>none</b>	<b>1,157</b>	<b>77.7</b>	<b>85.3</b>	<b>2</b>

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

**TCDSN EASA.IM.A.234 Notes**

1. Items so marked shall be included on EASA Form 45.
2. Valid for S/N 2890206 through 2890231, and 2843001 and up



### **Change Record**

<b>Issue</b>	<b>Date</b>	<b>Changes</b>
Issue 1	13 May 2014	Initial Issue.
Issue 2	08 August 2018	Records C13731 and C13732 added.

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