

TYPE-CERTIFICATE DATA SHEET FOR NOISE

No. EASA.IM.A.294

for

A-1

Type Certificate Holder:
Aviat Aircraft Inc.
672 South Washington Street
Afton, Wyoming 83110

U.S.A.

For models: A-1

A-1A

A-1B

A-1C-180



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Type Certificate Holder¹ **Aviat Aircraft Inc.** Aircraft Type Designation¹ A-1

Engine Manufacturer¹ Lycoming Engine Type Designation¹ O-360-A1P

Chapter¹ ICAO Annex 16, Volume I Edition / Amendment Noise Certification Basis 6

| EASA | | | Additional modifications essential to meet the requirements or needed to attain the certificated noise levels | Maximum | Overflight dB(A) | | |
|------------|--|----------------------|---|------------------------------------|--------------------|-------|-------------|
| Record No. | Propeller Manufacturer ¹ | | | Take-off mass ¹ (kg) | Level ¹ | Limit | See Note |
| C2879 | Hartzell Propeller Inc. | HC-C2YK-1BF/F7666A-4 | none | 816 | 62.0 | 70.9 | - |

¹ See Note 1.



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Type Certificate Holder¹ **Aviat Aircraft Inc.** Aircraft Type Designation¹ A-1

Engine Manufacturer¹ Engine Type Designation¹ Lycoming O-360-C1G

Chapter¹ Noise Certification Basis ICAO Annex 16, Volume I Edition / Amendment 6

| FACA | Duonallan | Propeller Type Designation ¹ | Additional modifications essential to meet the requirements or needed to attain the certificated noise levels | Maximum Take-off mass ¹ (kg) | Overflight dB(A) | | Can |
|---------------------------------------|--|--|---|---|--------------------|-------|-------------|
| · · · · · · · · · · · · · · · · · · · | Propeller Manufacturer ¹ | | | | Level ¹ | Limit | See Note |
| C9086 | Hartzell Propeller Inc. | HC-C2YK-1BF/F7666A-0 | Highest power in the normal operating range set to 135 HP and 2400 rpm | 816 | 62.1 | 70.9 | - |
| C2882 | Hartzell Propeller Inc. | HC-C2YK-1BF/F7666A-4 | none | 816 | 62.0 | 70.9 | - |

¹ See Note 1.



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Type Certificate Holder¹ **Aviat Aircraft Inc.** Aircraft Type Designation¹ A-1A

Engine Manufacturer¹ Engine Type Designation¹ Lycoming O-360-A1P

Chapter¹ Noise Certification Basis ICAO Annex 16, Volume I Edition / Amendment 6

| FACA | Door all an | Description Toron | Additional modifications essential to meet the | Maximum Take-off mass ¹ (kg) | Overflight dB(A) | | 6 |
|--------------------|----------------------------|---|--|---|--------------------|-------|-------------|
| EASA Record No. | Manufacturer ¹ | Propeller Propeller Type nufacturer ¹ Designation ¹ | requirements or needed to attain the certificated noise levels | | Level ¹ | Limit | See Note |
| C5061 | Hartzell Propeller Inc. | HC-C2YK-1BF/F7666A | none | 857 | 65.5 | 71.4 | - |

¹ See Note 1.



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Type Certificate Holder¹ **Aviat Aircraft Inc.** Aircraft Type Designation¹ A-1B

Engine Manufacturer¹ Engine Type Designation¹ Lycoming O-320-D2A

Chapter¹ Noise Certification Basis ICAO Annex 16, Volume I Edition / Amendment 10 (10.4a)

| FACA | | | Additional modifications essential to meet the | Maximum | Take-off dB(A) | | |
|--------------------|--|--|--|------------------------|--------------------|-------|-------------|
| EASA Record No. | Propeller Manufacturer ¹ | Propeller Type Designation ¹ | requirements or needed to attain the certificated noise levels | Take-off mass¹ (kg) | Level ¹ | Limit | See Note |
| C12470 | Sensenich | 74DM6S8-0-58 | Engine Option Group Configuration | 907 | 75.2 | 81.8 | - |

¹ See Note 1.



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Type Certificate Holder¹ **Aviat Aircraft Inc.** Aircraft Type Designation¹ A-1B

Engine Manufacturer¹ Engine Type Designation¹ Lycoming O-360-A1P

Chapter¹ Noise Certification Basis ICAO Annex 16, Volume I Edition / Amendment 6

| FACA | Propeller Propeller Type Designation ¹ | | Additional modifications essential to meet the | Maximum | Overflight dB(A) | | See Note |
|--------------------|--|--|--|--------------------|------------------|------|-------------|
| EASA Record No. | | requirements or needed to attain the certificated noise levels | Take-off mass ¹ (kg) | Level ¹ | Limit | | |
| C2 | Hartzell Propeller Inc. | HC-C2YK-1BF/F7666A | none | 907 | 65.5 | 72.1 | - |

¹ See Note 1.



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Type Certificate Holder¹ **Aviat Aircraft Inc.** Aircraft Type Designation¹ A-1C-180

Engine Manufacturer¹ Engine Type Designation¹ Lycoming O-360-A1P

Chapter¹ Noise Certification Basis ICAO Annex 16, Volume I Edition / Amendment 10 (10.4b)

| EASA | | Propeller Type Designation ¹ | Additional modifications essential to meet the requirements or needed to attain the certificated noise levels | Maximum | Take-off dB(A) | | |
|------------|--|--|---|------------------------------------|--------------------|-------|-------------|
| Record No. | Propeller Manufacturer ¹ | | | Take-off mass ¹ (kg) | Level ¹ | Limit | See Note |
| C9280 | Hartzell Propeller Inc. | HC-C2YR-1N/N7605 | none | 998 | 78.2 | 78.7 | - |

¹ See Note 1.



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TCDSN EASA.IM.A.294 Notes

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



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Change Record

| Issue | Date | Changes |
|---------|------------------|--|
| Issue 1 | 18 February 2008 | Initial Issue |
| Issue 2 | 23 April 2010 | Variant A-1C added |
| Issue 3 | 28 July 2010 | Re-published to correctly show modification status. |
| Issue 4 | 23 November 2015 | TC holder changed; new engine option group for A-1B included |

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