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# TYPE-CERTIFICATE DATA SHEET FOR NOISE

**No. EASA.IM.A.040**

**for**

**THRUSH S2R**

**Type Certificate Holder:**

**Thrush Aircraft, Inc.**

300 Old Pretoria Road

P.O. Box 3149

Albany, Georgia 31706-3149

USA

For models: S2R  
S2R-H80  
S2RHG-T65  
S2R-T15  
S2R-T34  
S2R-T660



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Type Certificate Holder      **Thrush Aircraft, Inc.**      Aircraft Type Designation      **S2R**

Engine Manufacturer      **Pratt & Whitney**      Engine Type Designation      **WASP R-1340-AN-1**

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	
C4894	<b>Hamilton Standard</b>	<b>12D40/6101-12</b>	<b>none</b>	<b>2,722</b>	-		<b>1</b>



Type Certificate Holder	<b>Thrush Aircraft, Inc.</b>	Aircraft Type Designation	<b>S2R</b>
Engine Manufacturer	<b>Curtiss-Wright Corporation</b>	Engine Type Designation	<b>Wright R-1300-1B</b>
Noise Certification Basis	<b>ICAO Annex 16, Volume I</b>	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	
C10020	<b>Hamilton Standard</b>	<b>23D40/6601A-30S</b>	<b>none</b>	<b>2,722</b>	-		<b>1</b>



Type Certificate Holder	<b>Thrush Aircraft, Inc.</b>	Aircraft Type Designation	<b>S2R-H80</b>
Engine Manufacturer	<b>GE Aviation Czech, s.r.o.</b>	Engine Type Designation	<b>H80-100</b>
Noise Certification Basis	<b>ICAO Annex 16, Volume I</b>	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	
C12145	<b>Hartzell Propeller Inc.</b>	<b>HC-B4TW-3/T10282N(S)</b>	<b>none</b>	<b>4,763</b>	-		<b>2</b>



Type Certificate Holder	<b>Thrush Aircraft, Inc.</b>	Aircraft Type Designation	<b>S2R-T15</b>
Engine Manufacturer	<b>Pratt &amp; Whitney Canada</b>	Engine Type Designation	<b>PT6A-15AG</b>
Noise Certification Basis	<b>ICAO Annex 16, Volume I</b>	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	
C4896	<b>Hartzell Propeller Inc.</b>	<b>HC-B3TN-3C/T-10282</b>	<b>none</b>	<b>2,722</b>	-		<b>1</b>



Type Certificate Holder	<b>Thrush Aircraft, Inc.</b>	Aircraft Type Designation	<b>S2R-T15</b>
Engine Manufacturer	<b>Pratt &amp; Whitney Canada</b>	Engine Type Designation	<b>PT6A-27</b>
Noise Certification Basis	<b>ICAO Annex 16, Volume I</b>	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	
C10026	<b>Hartzell Propeller Inc.</b>	<b>HC-B3TN-3C/T-10282</b>	<b>none</b>	<b>2,722</b>	-		<b>1</b>



Type Certificate Holder	<b>Thrush Aircraft, Inc.</b>	Aircraft Type Designation	<b>S2R-T34</b>
Engine Manufacturer	<b>Pratt &amp; Whitney Canada</b>	Engine Type Designation	<b>PT6A-34</b>
Noise Certification Basis	<b>ICAO Annex 16, Volume I</b>	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	
C10023	<b>Hartzell Propeller Inc.</b>	<b>HC-B3TN-3C/T-10282</b>	<b>none</b>	<b>2,722</b>	-		<b>1</b>



Type Certificate Holder	<b>Thrush Aircraft, Inc.</b>	Aircraft Type Designation	<b>S2R-T34</b>
Engine Manufacturer	<b>Pratt &amp; Whitney Canada</b>	Engine Type Designation	<b>PT6A-34AG</b>
Noise Certification Basis	<b>ICAO Annex 16, Volume I</b>	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	
C4895	<b>Hartzell Propeller Inc.</b>	<b>HC-B3TN-3C/T-10282</b>	<b>none</b>	<b>2,722</b>	-		<b>1</b>



Type Certificate Holder	<b>Thrush Aircraft, Inc.</b>	Aircraft Type Designation	<b>S2R-T34</b>
Engine Manufacturer	<b>Pratt &amp; Whitney Canada</b>	Engine Type Designation	<b>PT6A-36</b>
Noise Certification Basis	<b>ICAO Annex 16, Volume I</b>	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	
C10022	<b>Hartzell Propeller Inc.</b>	<b>HC-B3TN-3C/T-10282</b>	<b>none</b>	<b>2,722</b>	-		<b>1</b>



Type Certificate Holder      **Thrush Aircraft, Inc.**      Aircraft Type Designation      **S2R-T34**

Engine Manufacturer      **Pratt & Whitney Canada**      Engine Type Designation      **PT6A-41**

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	
C10021	<b>Hartzell Propeller Inc.</b>	<b>HC-B3TN-3C/T-10282</b>	<b>none</b>	<b>2,722</b>	-		<b>1</b>



Type Certificate Holder	<b>Thrush Aircraft, Inc.</b>	Aircraft Type Designation	<b>S2R-T34</b>
Engine Manufacturer	<b>Pratt &amp; Whitney Canada</b>	Engine Type Designation	<b>PT6A-41AG</b>
Noise Certification Basis	<b>ICAO Annex 16, Volume I</b>	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	
C10025	<b>Hartzell Propeller Inc.</b>	<b>HC-B3TN-3C/T-10282</b>	<b>none</b>	<b>2,722</b>	-		<b>1</b>



Type Certificate Holder	<b>Thrush Aircraft, Inc.</b>	Aircraft Type Designation	<b>S2R-T34</b>
Engine Manufacturer	<b>Pratt &amp; Whitney Canada</b>	Engine Type Designation	<b>PT6A-42</b>
Noise Certification Basis	<b>ICAO Annex 16, Volume I</b>	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	
C10024	<b>Hartzell Propeller Inc.</b>	<b>HC-B3TN-3C/T-10282</b>	<b>none</b>	<b>2,722</b>	-		<b>1</b>



Type Certificate Holder	<b>Thrush Aircraft, Inc.</b>	Aircraft Type Designation	<b>S2R-T660</b>
Engine Manufacturer	<b>Pratt &amp; Whitney Canada</b>	Engine Type Designation	<b>PT6A-45A</b>
Noise Certification Basis	<b>ICAO Annex 16, Volume I</b>	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	
C10032	<b>Hartzell Propeller Inc.</b>	<b>HC-B5MP-3C/M10876ANS</b>	<b>none</b>	<b>5,670</b>	-		<b>1</b>



Type Certificate Holder	<b>Thrush Aircraft, Inc.</b>	Aircraft Type Designation	<b>S2R-T660</b>
Engine Manufacturer	<b>Pratt &amp; Whitney Canada</b>	Engine Type Designation	<b>PT6A-45B</b>
Noise Certification Basis	<b>ICAO Annex 16, Volume I</b>	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	
C10033	<b>Hartzell Propeller Inc.</b>	<b>HC-B5MP-3C/M10876ANS</b>	<b>none</b>	<b>5,670</b>	-		<b>1</b>



Type Certificate Holder	<b>Thrush Aircraft, Inc.</b>	Aircraft Type Designation	<b>S2R-T660</b>
Engine Manufacturer	<b>Pratt &amp; Whitney Canada</b>	Engine Type Designation	<b>PT6A-45R</b>
Noise Certification Basis	<b>ICAO Annex 16, Volume I</b>	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	
C10034	<b>Hartzell Propeller Inc.</b>	<b>HC-B5MP-3C/M10876ANS</b>	<b>none</b>	<b>5,670</b>	-		<b>1</b>



Type Certificate Holder	<b>Thrush Aircraft, Inc.</b>	Aircraft Type Designation	<b>S2R-T660</b>
Engine Manufacturer	<b>Pratt &amp; Whitney Canada</b>	Engine Type Designation	<b>PT6A-60AG</b>
Noise Certification Basis	<b>ICAO Annex 16, Volume I</b>	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	
C10028	<b>Hartzell Propeller Inc.</b>	<b>HC-B5MP-3C/M10876ANS</b>	<b>none</b>	<b>5,670</b>	-		<b>1</b>



Type Certificate Holder      **Thrush Aircraft, Inc.**      Aircraft Type Designation      **S2R-T660**

Engine Manufacturer      **Pratt & Whitney Canada**      Engine Type Designation      **PT6A-65AG**

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	
C10029	<b>Hartzell Propeller Inc.</b>	<b>HC-B5MP-3C/M10876ANS</b>	<b>none</b>	<b>5,670</b>	-		<b>1</b>



Type Certificate Holder	<b>Thrush Aircraft, Inc.</b>	Aircraft Type Designation	<b>S2R-T660</b>
Engine Manufacturer	<b>Pratt &amp; Whitney Canada</b>	Engine Type Designation	<b>PT6A-65AR</b>
Noise Certification Basis	<b>ICAO Annex 16, Volume I</b>	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	
C10030	<b>Hartzell Propeller Inc.</b>	<b>HC-B5MP-3C/M10876ANS</b>	<b>none</b>	<b>5,670</b>	-		<b>1</b>



Type Certificate Holder      **Thrush Aircraft, Inc.**      Aircraft Type Designation      **S2R-T660**

Engine Manufacturer      **Pratt & Whitney Canada**      Engine Type Designation      **PT6A-65B**

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	
C10031	<b>Hartzell Propeller Inc.</b>	<b>HC-B5MP-3C/M10876ANS</b>	<b>none</b>	<b>5,670</b>	-		<b>1</b>



Type Certificate Holder	<b>Thrush Aircraft, Inc.</b>	Aircraft Type Designation	<b>S2R-T660</b>
Engine Manufacturer	<b>Pratt &amp; Whitney Canada</b>	Engine Type Designation	<b>PT6A-67AG</b>
Noise Certification Basis	<b>ICAO Annex 16, Volume I</b>	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	
C4897	<b>Hartzell Propeller Inc.</b>	<b>HC-B5MA-3D/M11276NS</b>	<b>none</b>	<b>5,670</b>	-		<b>1</b>



Type Certificate Holder	<b>Thrush Aircraft, Inc.</b>	Aircraft Type Designation	<b>S2RHG-T65</b>
Engine Manufacturer	<b>Pratt &amp; Whitney Canada</b>	Engine Type Designation	<b>PT6A-60AG</b>
Noise Certification Basis	<b>ICAO Annex 16, Volume I</b>	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	
C4898	<b>Hartzell Propeller Inc.</b>	<b>HC-B5MP-3C/M10876A(N)S</b>	<b>none</b>	<b>4,763</b>	-		<b>1</b>



Type Certificate Holder      **Thrush Aircraft, Inc.**      Aircraft Type Designation      **S2RHG-T65**

Engine Manufacturer      **Pratt & Whitney Canada**      Engine Type Designation      **PT6A-65AG**

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	
C10027	<b>Hartzell Propeller Inc.</b>	<b>HC-B5MP-3C/M10876A(N)S</b>	<b>none</b>	<b>4,763</b>	-		<b>1</b>



### **TCDSN EASA.IM.A.040 Notes**

1. 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 being specifically designed for agricultural purposes.
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 being specifically designed for agriculture and fire fighting purposes.



### **Change Record**

<b>Issue</b>	<b>Date</b>	<b>Changes</b>
Issue 1	20 July 2010	Initial issue
Issue 2	05 January 2015	Record C12145 added.

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