



---

# TYPE-CERTIFICATE DATA SHEET FOR NOISE

**No. EASA.IM.A.665**

**for**

**SD3 Series**

**Type Certificate Holder:**

**Viking Air Limited**

1959 de Havilland Way

Sidney, B.C.

V8L 5V5 Canada

For models: SD3 Sherpa  
SD3-30  
SD3-60 Sherpa  
SD3-60



INTENTIONALLY LEFT BLANK



Type Certificate Holder<sup>1</sup>      **Viking Air Limited**      Aircraft Type Designation<sup>1</sup>      **SD3 Sherpa**

Engine Manufacturer<sup>1</sup>      **Pratt & Whitney Canada**      Engine Type Designation<sup>1</sup>      **PT6A-65AR**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>      **None**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      Chapter<sup>1</sup>      **5**

EASA Record No.	Propeller Manufacturer <sup>1</sup>	Propeller Type Designation <sup>1</sup>	Maximum Mass		Lateral/Full Power EPNL		Flyover EPNL		Approach EPNL		See Note
			Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
B75	<b>Hartzell</b>	<b>HC-B5MP-3C/M10876ASK</b>	<b>11,612</b>	<b>11,385</b>	<b>83.0</b>	<b>96.0</b>	<b>84.4</b>	<b>89.0</b>	<b>89.5</b>	<b>98.0</b>	-

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



Type Certificate Holder<sup>1</sup>      **Viking Air Limited**      Aircraft Type Designation<sup>1</sup>      **SD3-30**

Engine Manufacturer<sup>1</sup>      **Pratt & Whitney Canada**      Engine Type Designation<sup>1</sup>      **PT6A-45A**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>      **None**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      Chapter<sup>1</sup>      **5**

EASA Record No.	Propeller Manufacturer <sup>1</sup>	Propeller Type Designation <sup>1</sup>	Maximum Mass		Lateral/Full Power EPNL		Flyover EPNL		Approach EPNL		See Note
			Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
B65	<b>Hartzell</b>	<b>HC-B5MP-3A/M10282AB+6</b>	<b>10,251</b>	<b>10,115</b>	<b>83.9</b>	<b>96.0</b>	<b>88.9</b>	<b>89.0</b>	<b>92.8</b>	<b>98.0</b>	-
B64	<b>Hartzell</b>	<b>HC-B5MP-3A/M10282AB+6</b>	<b>10,160</b>	<b>10,024</b>	<b>83.9</b>	<b>96.0</b>	<b>88.5</b>	<b>89.0</b>	<b>92.8</b>	<b>98.0</b>	-

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



Type Certificate Holder<sup>1</sup>      **Viking Air Limited**      Aircraft Type Designation<sup>1</sup>      **SD3-30**

Engine Manufacturer<sup>1</sup>      **Pratt & Whitney Canada**      Engine Type Designation<sup>1</sup>      **PT6A-45B**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>      **None**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      Chapter<sup>1</sup>      **5**

EASA Record No.	Propeller Manufacturer <sup>1</sup>	Propeller Type Designation <sup>1</sup>	Maximum Mass		Lateral/Full Power EPNL		Flyover EPNL		Approach EPNL		See Note
			Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
B66	<b>Hartzell</b>	<b>HC-B5MP-3A/M10282AB+6</b>	<b>10,251</b>	<b>10,115</b>	<b>84.1</b>	<b>96.0</b>	<b>88.9</b>	<b>89.0</b>	<b>92.8</b>	<b>98.0</b>	-

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



Type Certificate Holder<sup>1</sup>      **Viking Air Limited**      Aircraft Type Designation<sup>1</sup>      **SD3-30**

Engine Manufacturer<sup>1</sup>      **Pratt & Whitney Canada**      Engine Type Designation<sup>1</sup>      **PT6A-45R**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>      **None**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      Chapter<sup>1</sup>      **5**

EASA Record No.	Propeller Manufacturer <sup>1</sup>	Propeller Type Designation <sup>1</sup>	Maximum Mass		Lateral/Full Power EPNL		Flyover EPNL		Approach EPNL		See Note
			Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
B67	<b>Hartzell</b>	<b>HC-B5MP-3A/M10282AB+6</b>	<b>10,387</b>	<b>10,251</b>	<b>84.7</b>	<b>96.0</b>	<b>88.9</b>	<b>89.0</b>	<b>92.9</b>	<b>98.0</b>	-

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



Type Certificate Holder<sup>1</sup>      **Viking Air Limited**      Aircraft Type Designation<sup>1</sup>      **SD3-60**

Engine Manufacturer<sup>1</sup>      **Pratt & Whitney Canada**      Engine Type Designation<sup>1</sup>      **PT6A-65AR**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>      **None**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      Chapter<sup>1</sup>      **5**

EASA Record No.	Propeller Manufacturer <sup>1</sup>	Propeller Type Designation <sup>1</sup>	Maximum Mass		Lateral/Full Power EPNL		Flyover EPNL		Approach EPNL		See Note
			Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
B1126	<b>Hartzell</b>	<b>HC-B5MP-3C/M10876ASK</b>	<b>11,999</b>	<b>11,839</b>	<b>84.4</b>	<b>96.0</b>	<b>85.7</b>	<b>89.0</b>	<b>90.0</b>	<b>98.0</b>	-

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



Type Certificate Holder<sup>1</sup>      **Viking Air Limited**      Aircraft Type Designation<sup>1</sup>      **SD3-60**

Engine Manufacturer<sup>1</sup>      **Pratt & Whitney Canada**      Engine Type Designation<sup>1</sup>      **PT6A-65R**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>      **None**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      Chapter<sup>1</sup>      **5**

EASA Record No.	Propeller Manufacturer <sup>1</sup>	Propeller Type Designation <sup>1</sup>	Maximum Mass		Lateral/Full Power EPNL		Flyover EPNL		Approach EPNL		See Note
			Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
B69	<b>Hartzell</b>	<b>HC-B5MP-3C/M10876ASK</b>	<b>11,999</b>	<b>11,839</b>	<b>83.7</b>	<b>96.0</b>	<b>84.8</b>	<b>89.0</b>	<b>90.0</b>	<b>98.0</b>	-
B68	<b>Hartzell</b>	<b>HC-B5MP-3C/M10876ASK</b>	<b>11,793</b>	<b>11,657</b>	<b>83.7</b>	<b>96.0</b>	<b>84.4</b>	<b>89.0</b>	<b>89.9</b>	<b>98.0</b>	-

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



Type Certificate Holder<sup>1</sup>      **Viking Air Limited**      Aircraft Type Designation<sup>1</sup>      **SD3-60**

Engine Manufacturer<sup>1</sup>      **Pratt & Whitney Canada**      Engine Type Designation<sup>1</sup>      **PT6A-67R**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>      **None**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      Chapter<sup>1</sup>      **5**

EASA Record No.	Propeller Manufacturer <sup>1</sup>	Propeller Type Designation <sup>1</sup>	Maximum Mass		Lateral/Full Power EPNL		Flyover EPNL		Approach EPNL		See Note
			Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
B1124	<b>Hartzell</b>	<b>HC-A6A-3/A10460()</b>	<b>12,292</b>	<b>12,020</b>	<b>82.7</b>	<b>96.0</b>	<b>80.0</b>	<b>89.0</b>	<b>94.3</b>	<b>98.0</b>	-
B1275	<b>Hartzell</b>	<b>HC-A6A-3/A10460()</b>	<b>11,999</b>	<b>11,839</b>	<b>82.7</b>	<b>96.0</b>	<b>80.0</b>	<b>89.0</b>	<b>94.3</b>	<b>98.0</b>	-

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



Type Certificate Holder<sup>1</sup>      **Viking Air Limited**      Aircraft Type Designation<sup>1</sup>      **SD3-60 Sherpa**

Engine Manufacturer<sup>1</sup>      **Pratt & Whitney Canada**      Engine Type Designation<sup>1</sup>      **PT6A-65AR**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>      **None**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      Chapter<sup>1</sup>      **5**

EASA Record No.	Propeller Manufacturer <sup>1</sup>	Propeller Type Designation <sup>1</sup>	Maximum Mass		Lateral/Full Power EPNL		Flyover EPNL		Approach EPNL		See Note
			Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
B76	<b>Hartzell</b>	<b>HC-B5MP-3C/M10876ASK</b>	<b>11,612</b>	<b>11,385</b>	<b>83.0</b>	<b>96.0</b>	<b>84.4</b>	<b>89.0</b>	<b>89.5</b>	<b>98.0</b>	-

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



**TCDSN EASA.IM.A.665 Notes**

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

**Change Record**

<b>Issue</b>	<b>Date</b>	<b>Changes</b>
Issue 1	28 June 2019	Initial Issue

-END-