



TYPE-CERTIFICATE DATA SHEET FOR NOISE

No. EASA.IM.A.191

for

DHC-8

Type Certificate Holder:

De Havilland Aircraft Company of Canada

123 Garratt Boulevard

Toronto, Ontario

CANADA M3K 1Y5

For models: DHC-8-102
DHC-8-103
DHC-8-106

DHC-8-201
DHC-8-202

DHC-8-301
DHC-8-311
DHC-8-314
DHC-8-315

DHC-8-401
DHC-8-402



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Type Certificate Holder¹ **De Havilland Aircraft Company of Canada** Aircraft Type Designation¹ **DHC-8-102**

Engine Manufacturer¹ **Pratt & Whitney Canada** Engine Type Designation¹ **PW120A**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **None**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **1 Edition** Chapter¹ **3**

EASA Record No.	Propeller Manufacturer ¹	Propeller Type Designation ¹	Maximum Mass		Lateral/Full Power EPNL		Flyover EPNL		Approach EPNL		See Note
			Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
B979	Hamilton Sundstrand	14SF-7	15,649	15,377	86.3	94.0	80.8	89.0	94.8	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **De Havilland Aircraft Company of Canada** Aircraft Type Designation¹ **DHC-8-102**

Engine Manufacturer¹ **Pratt & Whitney Canada** Engine Type Designation¹ **PW121**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **AFM Supplement 22 (1150 rpm Takeoff)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **1 Edition** Chapter¹ **3**

EASA Record No.	Propeller Manufacturer ¹	Propeller Type Designation ¹	Maximum Mass		Lateral/Full Power EPNL		Flyover EPNL		Approach EPNL		See Note
			Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
B981	Hamilton Sundstrand	14SF-7	15,649	15,377	85.5	94.0	80.8	89.0	97.2	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **De Havilland Aircraft Company of Canada** Aircraft Type Designation¹ **DHC-8-102**

Engine Manufacturer¹ **Pratt & Whitney Canada** Engine Type Designation¹ **PW121**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **AFM Supplement 22, AFM Supplement 23 (1150 rpm Takeoff, 1050 rpm Approach)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **1 Edition** Chapter¹ **3**

EASA Record No.	Propeller Manufacturer ¹	Propeller Type Designation ¹	Maximum Mass		Lateral/Full Power EPNL		Flyover EPNL		Approach EPNL		See Note
			Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
B982	Hamilton Sundstrand	14SF-7	15,649	15,377	85.5	94.0	80.8	89.0	94.7	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **De Havilland Aircraft Company of Canada** Aircraft Type Designation¹ **DHC-8-102**

Engine Manufacturer¹ **Pratt & Whitney Canada** Engine Type Designation¹ **PW121**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **None**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **1 Edition** Chapter¹ **3**

EASA Record No.	Propeller Manufacturer ¹	Propeller Type Designation ¹	Maximum Mass		Lateral/Full Power EPNL		Flyover EPNL		Approach EPNL		See Note
			Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
B980	Hamilton Sundstrand	14SF-7	15,649	15,377	86.3	94.0	80.8	89.0	97.2	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **De Havilland Aircraft Company of Canada** Aircraft Type Designation¹ **DHC-8-103**

Engine Manufacturer¹ **Pratt & Whitney Canada** Engine Type Designation¹ **PW121**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **AFM Supplement 23 (1050 rpm Approach)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **1 Edition** Chapter¹ **3**

EASA Record No.	Propeller Manufacturer ¹	Propeller Type Designation ¹	Maximum Mass		Lateral/Full Power EPNL		Flyover EPNL		Approach EPNL		See Note
			Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
B984	Hamilton Sundstrand	14SF-7	15,649	15,377	86.1	94.0	79.8	89.0	94.7	98.0	-
B986	Hamilton Sundstrand	14SF-7	14,969	15,377	86.1	94.0	79.8	89.0	94.7	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **De Havilland Aircraft Company of Canada** Aircraft Type Designation¹ **DHC-8-103**

Engine Manufacturer¹ **Pratt & Whitney Canada** Engine Type Designation¹ **PW121**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **None**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **1 Edition** Chapter¹ **3**

EASA Record No.	Propeller Manufacturer ¹	Propeller Type Designation ¹	Maximum Mass		Lateral/Full Power EPNL		Flyover EPNL		Approach EPNL		See Note
			Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
B983	Hamilton Sundstrand	14SF-7	15,649	15,377	86.1	94.0	79.8	89.0	97.2	98.0	-
B985	Hamilton Sundstrand	14SF-7	14,969	15,377	86.1	94.0	79.8	89.0	97.2	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **De Havilland Aircraft Company of Canada** Aircraft Type Designation¹ **DHC-8-106**

Engine Manufacturer¹ **Pratt & Whitney Canada** Engine Type Designation¹ **PW121**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **AFM Supplement 23 (1050 rpm Approach)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **4 Edition** Chapter¹ **3**

EASA Record No.	Propeller Manufacturer ¹	Propeller Type Designation ¹	Maximum Mass		Lateral/Full Power EPNL		Flyover EPNL		Approach EPNL		See Note
			Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
B988	Hamilton Sundstrand	14SF-7	16,465	15,377	85.6	94.0	80.5	89.0	94.7	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **De Havilland Aircraft Company of Canada** Aircraft Type Designation¹ **DHC-8-106**

Engine Manufacturer¹ **Pratt & Whitney Canada** Engine Type Designation¹ **PW121**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **AFM Supplement 38, AFM Supplement 23 (1100 rpm Takeoff, 1050 rpm Approach)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **4 Edition** Chapter¹ **3**

EASA Record No.	Propeller Manufacturer ¹	Propeller Type Designation ¹	Maximum Mass		Lateral/Full Power EPNL		Flyover EPNL		Approach EPNL		See Note
			Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
B989	Hamilton Sundstrand	14SF-7	16,465	15,377	84.0	94.0	79.9	89.0	94.7	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **De Havilland Aircraft Company of Canada** Aircraft Type Designation¹ **DHC-8-106**

Engine Manufacturer¹ **Pratt & Whitney Canada** Engine Type Designation¹ **PW121**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **None**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **1 Edition** Chapter¹ **3**

EASA Record No.	Propeller Manufacturer ¹	Propeller Type Designation ¹	Maximum Mass		Lateral/Full Power EPNL		Flyover EPNL		Approach EPNL		See Note
			Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
B987	Hamilton Sundstrand	14SF-7	16,465	15,377	85.6	94.0	80.5	89.0	97.2	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **De Havilland Aircraft Company of Canada** Aircraft Type Designation¹ **DHC-8-201**

Engine Manufacturer¹ **Pratt & Whitney Canada** Engine Type Designation¹ **PW123C**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **AFM Supplement 38 (1100 rpm Takeoff)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **4 Edition** Chapter¹ **3**

EASA Record No.	Propeller Manufacturer ¹	Propeller Type Designation ¹	Maximum Mass		Lateral/Full Power EPNL		Flyover EPNL		Approach EPNL		See Note
			Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
B991	Hamilton Sundstrand	14SF-23	16,465	15,377	84.0	94.0	79.9	89.0	97.2	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **De Havilland Aircraft Company of Canada** Aircraft Type Designation¹ **DHC-8-201**

Engine Manufacturer¹ **Pratt & Whitney Canada** Engine Type Designation¹ **PW123C**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **AFM Supplement 38, AFM Supplement 23 (1100 rpm Takeoff, 1050 rpm Approach)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **4 Edition** Chapter¹ **3**

EASA Record No.	Propeller Manufacturer ¹	Propeller Type Designation ¹	Maximum Mass		Lateral/Full Power EPNL		Flyover EPNL		Approach EPNL		See Note
			Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
B992	Hamilton Sundstrand	14SF-23	16,465	15,377	84.0	94.0	79.9	89.0	94.7	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **De Havilland Aircraft Company of Canada** Aircraft Type Designation¹ **DHC-8-201**

Engine Manufacturer¹ **Pratt & Whitney Canada** Engine Type Designation¹ **PW123C**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **None**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **4 Edition** Chapter¹ **3**

EASA Record No.	Propeller Manufacturer ¹	Propeller Type Designation ¹	Maximum Mass		Lateral/Full Power EPNL		Flyover EPNL		Approach EPNL		See Note
			Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
B990	Hamilton Sundstrand	14SF-23	16,465	15,377	85.6	94.0	80.5	89.0	97.2	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **De Havilland Aircraft Company of Canada** Aircraft Type Designation¹ **DHC-8-202**

Engine Manufacturer¹ **Pratt & Whitney Canada** Engine Type Designation¹ **PW123D**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **AFM Supplement 38 (1100 rpm Takeoff)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **4 Edition** Chapter¹ **3**

EASA Record No.	Propeller Manufacturer ¹	Propeller Type Designation ¹	Maximum Mass		Lateral/Full Power EPNL		Flyover EPNL		Approach EPNL		See Note
			Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
B994	Hamilton Sundstrand	14SF-23	16,465	15,377	84.0	94.0	79.9	89.0	97.2	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **De Havilland Aircraft Company of Canada** Aircraft Type Designation¹ **DHC-8-202**

Engine Manufacturer¹ **Pratt & Whitney Canada** Engine Type Designation¹ **PW123D**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **AFM Supplement 38, AFM Supplement 23 (1100 rpm Takeoff, 1050 rpm Approach)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **4 Edition** Chapter¹ **3**

EASA Record No.	Propeller Manufacturer ¹	Propeller Type Designation ¹	Maximum Mass		Lateral/Full Power EPNL		Flyover EPNL		Approach EPNL		See Note
			Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
B995	Hamilton Sundstrand	14SF-23	16,465	15,377	84.0	94.0	79.9	89.0	94.7	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **De Havilland Aircraft Company of Canada** Aircraft Type Designation¹ **DHC-8-202**

Engine Manufacturer¹ **Pratt & Whitney Canada** Engine Type Designation¹ **PW123D**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **None**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **4 Edition** Chapter¹ **3**

EASA Record No.	Propeller Manufacturer ¹	Propeller Type Designation ¹	Maximum Mass		Lateral/Full Power EPNL		Flyover EPNL		Approach EPNL		See Note
			Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
B1233	Hamilton Sundstrand	14SF-23	16,465	15,650	85.6	94.0	80.5	89.0	97.1	98.0	-
B993	Hamilton Sundstrand	14SF-23	16,465	15,377	85.6	94.0	80.5	89.0	97.2	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **De Havilland Aircraft Company of Canada** Aircraft Type Designation¹ **DHC-8-301**

Engine Manufacturer¹ **Pratt & Whitney Canada** Engine Type Designation¹ **PW123**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **AFM Supplement 39 (900 rpm Approach)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **2 Edition** Chapter¹ **3**

EASA Record No.	Propeller Manufacturer ¹	Propeller Type Designation ¹	Maximum Mass		Lateral/Full Power EPNL		Flyover EPNL		Approach EPNL		See Note
			Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
B1005	Hamilton Sundstrand	14SF-15	18,643	18,144	87.4	94.0	84.3	89.0	96.5	98.0	-
B997	Hamilton Sundstrand	14SF-23	18,643	18,144	87.4	94.0	84.3	89.0	96.5	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **De Havilland Aircraft Company of Canada** Aircraft Type Designation¹ **DHC-8-301**

Engine Manufacturer¹ **Pratt & Whitney Canada** Engine Type Designation¹ **PW123**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **None**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **2 Edition** Chapter¹ **3**

EASA Record No.	Propeller Manufacturer ¹	Propeller Type Designation ¹	Maximum Mass		Lateral/Full Power EPNL		Flyover EPNL		Approach EPNL		See Note
			Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
B1004	Hamilton Sundstrand	14SF-15	18,643	18,144	87.4	94.0	84.3	89.0	98.9	98.0	-
B996	Hamilton Sundstrand	14SF-23	18,643	18,144	87.4	94.0	84.3	89.0	98.9	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **De Havilland Aircraft Company of Canada** Aircraft Type Designation¹ **DHC-8-311**

Engine Manufacturer¹ **Pratt & Whitney Canada** Engine Type Designation¹ **PW123**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **AFM Supplement 39 (900 rpm Approach)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **3 Edition** Chapter¹ **3**

EASA Record No.	Propeller Manufacturer ¹	Propeller Type Designation ¹	Maximum Mass		Lateral/Full Power EPNL		Flyover EPNL		Approach EPNL		See Note
			Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
B1011	Hamilton Sundstrand	14SF-15	19,504	19,051	86.9	94.0	80.0	89.0	94.5	98.0	-
B1009	Hamilton Sundstrand	14SF-15	18,996	18,597	87.0	94.0	79.8	89.0	94.7	98.0	-
B1007	Hamilton Sundstrand	14SF-15	18,643	18,144	87.0	94.0	79.5	89.0	94.8	98.0	-
B1003	Hamilton Sundstrand	14SF-23	19,504	19,051	86.9	94.0	80.0	89.0	94.5	98.0	-
B1001	Hamilton Sundstrand	14SF-23	18,996	18,597	87.0	94.0	79.8	89.0	94.7	98.0	-
B999	Hamilton Sundstrand	14SF-23	18,643	18,144	87.0	94.0	79.5	89.0	94.8	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **De Havilland Aircraft Company of Canada** Aircraft Type Designation¹ **DHC-8-311**

Engine Manufacturer¹ **Pratt & Whitney Canada** Engine Type Designation¹ **PW123**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **None**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **3 Edition** Chapter¹ **3**

EASA Record No.	Propeller Manufacturer ¹	Propeller Type Designation ¹	Maximum Mass		Lateral/Full Power EPNL		Flyover EPNL		Approach EPNL		See Note
			Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
B1010	Hamilton Sundstrand	14SF-15	19,504	19,051	86.9	94.0	80.0	89.0	94.9	98.0	-
B1008	Hamilton Sundstrand	14SF-15	18,996	18,597	87.0	94.0	79.8	89.0	95.0	98.0	-
B1006	Hamilton Sundstrand	14SF-15	18,643	18,144	87.0	94.0	79.5	89.0	95.1	98.0	-
B1002	Hamilton Sundstrand	14SF-23	19,504	19,051	86.9	94.0	80.0	89.0	94.9	98.0	-
B1000	Hamilton Sundstrand	14SF-23	18,996	18,597	87.0	94.0	79.8	89.0	95.0	98.0	-
B998	Hamilton Sundstrand	14SF-23	18,643	18,144	87.0	94.0	79.5	89.0	95.1	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **De Havilland Aircraft Company of Canada** Aircraft Type Designation¹ **DHC-8-314**

Engine Manufacturer¹ **Pratt & Whitney Canada** Engine Type Designation¹ **PW123B**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **AFM Supplement 39 (900 rpm Approach)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **4 Edition** Chapter¹ **3**

EASA Record No.	Propeller Manufacturer ¹	Propeller Type Designation ¹	Maximum Mass		Lateral/Full Power EPNL		Flyover EPNL		Approach EPNL		See Note
			Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
B1019	Hamilton Sundstrand	14SF-23	19,504	19,051	87.2	94.0	80.7	89.0	94.5	98.0	-
B1016	Hamilton Sundstrand	14SF-23	18,996	18,597	87.2	94.0	80.2	89.0	94.7	98.0	-
B1013	Hamilton Sundstrand	14SF-23	18,643	18,144	87.3	94.0	79.9	89.0	94.8	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **De Havilland Aircraft Company of Canada** Aircraft Type Designation¹ **DHC-8-314**

Engine Manufacturer¹ **Pratt & Whitney Canada** Engine Type Designation¹ **PW123B**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **AFM Supplement 39, 22 (900 rpm Approach, 1100 rpm Takeoff)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **4 Edition** Chapter¹ **3**

EASA Record No.	Propeller Manufacturer ¹	Propeller Type Designation ¹	Maximum Mass		Lateral/Full Power EPNL		Flyover EPNL		Approach EPNL		See Note
			Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
B1020	Hamilton Sundstrand	14SF-23	19,504	19,051	84.6	94.0	81.7	89.0	94.5	98.0	-
B1017	Hamilton Sundstrand	14SF-23	18,996	18,597	84.6	94.0	81.0	89.0	94.7	98.0	-
B1014	Hamilton Sundstrand	14SF-23	18,643	18,144	84.7	94.0	80.7	89.0	94.8	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **De Havilland Aircraft Company of Canada** Aircraft Type Designation¹ **DHC-8-314**

Engine Manufacturer¹ **Pratt & Whitney Canada** Engine Type Designation¹ **PW123B**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **None**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **4 Edition** Chapter¹ **3**

EASA Record No.	Propeller Manufacturer ¹	Propeller Type Designation ¹	Maximum Mass		Lateral/Full Power EPNL		Flyover EPNL		Approach EPNL		See Note
			Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
B1018	Hamilton Sundstrand	14SF-23	19,504	19,051	87.2	94.0	80.7	89.0	94.9	98.0	-
B1015	Hamilton Sundstrand	14SF-23	18,996	18,597	87.2	94.0	80.2	89.0	95.0	98.0	-
B1012	Hamilton Sundstrand	14SF-23	18,643	18,144	87.3	94.0	79.9	89.0	95.1	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **De Havilland Aircraft Company of Canada** Aircraft Type Designation¹ **DHC-8-315**

Engine Manufacturer¹ **Pratt & Whitney Canada** Engine Type Designation¹ **PW123E**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **AFM Supplement 39 (900 rpm Approach)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **4 Edition** Chapter¹ **3**

EASA Record No.	Propeller Manufacturer ¹	Propeller Type Designation ¹	Maximum Mass		Lateral/Full Power EPNL		Flyover EPNL		Approach EPNL		See Note
			Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
B1032	Hamilton Sundstrand	14SF-15	19,504	19,051	86.9	94.0	80.0	89.0	94.5	98.0	-
B1030	Hamilton Sundstrand	14SF-15	18,996	18,597	87.0	94.0	79.8	89.0	94.7	98.0	-
B1028	Hamilton Sundstrand	14SF-15	18,643	18,144	87.0	94.0	79.5	89.0	94.8	98.0	-
B1026	Hamilton Sundstrand	14SF-23	19,504	19,051	86.9	94.0	80.0	89.0	94.5	98.0	-
B1024	Hamilton Sundstrand	14SF-23	18,996	18,597	87.0	94.0	79.8	89.0	94.7	98.0	-
B1022	Hamilton Sundstrand	14SF-23	18,643	18,144	87.0	94.0	79.5	89.0	94.8	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **De Havilland Aircraft Company of Canada** Aircraft Type Designation¹ **DHC-8-315**

Engine Manufacturer¹ **Pratt & Whitney Canada** Engine Type Designation¹ **PW123E**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **None**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **4 Edition** Chapter¹ **3**

EASA Record No.	Propeller Manufacturer ¹	Propeller Type Designation ¹	Maximum Mass		Lateral/Full Power EPNL		Flyover EPNL		Approach EPNL		See Note
			Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
B1031	Hamilton Sundstrand	14SF-15	19,504	19,051	86.9	94.0	80.0	89.0	94.9	98.0	-
B1029	Hamilton Sundstrand	14SF-15	18,996	18,597	87.0	94.0	79.8	89.0	95.0	98.0	-
B1027	Hamilton Sundstrand	14SF-15	18,643	18,144	87.0	94.0	79.5	89.0	95.1	98.0	-
B1025	Hamilton Sundstrand	14SF-23	19,504	19,051	86.9	94.0	80.0	89.0	94.9	98.0	-
B1023	Hamilton Sundstrand	14SF-23	18,996	18,597	87.0	94.0	79.8	89.0	95.0	98.0	-
B1021	Hamilton Sundstrand	14SF-23	18,643	18,144	87.0	94.0	79.5	89.0	95.1	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **De Havilland Aircraft Company of Canada** Aircraft Type Designation¹ **DHC-8-401**

Engine Manufacturer¹ **Pratt & Whitney Canada** Engine Type Designation¹ **PW150A**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **AFM Supplement 39 (850 rpm Approach)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **4 Edition / Amendment 8** Chapter¹ **4**

EASA Record No.	Propeller Manufacturer ¹	Propeller Type Designation ¹	Maximum Mass		Lateral/Full Power EPNL		Flyover EPNL		Approach EPNL		See Note
			Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
B1052	Dowty Propeller	R408/6-123-F/17	29,574	28,123	84.0	94.0	78.6	89.0	93.1	98.0	-
B1050	Dowty Propeller	R408/6-123-F/17	29,257	28,009	84.0	94.0	78.3	89.0	93.1	98.0	-
B1048	Dowty Propeller	R408/6-123-F/17	28,998	28,009	84.0	94.0	78.0	89.0	93.1	98.0	-
B1046	Dowty Propeller	R408/6-123-F/17	28,690	27,783	84.1	94.0	77.8	89.0	93.1	98.0	-
B1044	Dowty Propeller	R408/6-123-F/17	27,987	27,442	84.1	94.0	77.1	89.0	93.0	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **De Havilland Aircraft Company of Canada** Aircraft Type Designation¹ **DHC-8-401**

Engine Manufacturer¹ **Pratt & Whitney Canada** Engine Type Designation¹ **PW150A**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **AFM Supplement 39, AFM Supplement 46 (850 rpm Approach, TO with max TO-Power with disabled uptrim)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **4 Edition / Amendment 8** Chapter¹ **4**

EASA Record No.	Propeller Manufacturer ¹	Propeller Type Designation ¹	Maximum Mass		Lateral/Full Power EPNL		Flyover EPNL		Approach EPNL		See Note
			Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
B1108	Dowty Propeller	R408/6-123-F/17	29,574	28,123	85.8	94.0	78.2	89.0	93.1	98.0	-
B1109	Dowty Propeller	R408/6-123-F/17	29,257	28,009	85.8	94.0	77.9	89.0	93.1	98.0	-
B1110	Dowty Propeller	R408/6-123-F/17	28,998	28,009	85.8	94.0	77.6	89.0	93.1	98.0	-
B1111	Dowty Propeller	R408/6-123-F/17	27,987	27,442	85.9	94.0	76.7	89.0	93.0	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **De Havilland Aircraft Company of Canada** Aircraft Type Designation¹ **DHC-8-401**

Engine Manufacturer¹ **Pratt & Whitney Canada** Engine Type Designation¹ **PW150A**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **None**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **4 Edition / Amendment 8** Chapter¹ **4**

EASA Record No.	Propeller Manufacturer ¹	Propeller Type Designation ¹	Maximum Mass		Lateral/Full Power EPNL		Flyover EPNL		Approach EPNL		See Note
			Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
B1051	Dowty Propeller	R408/6-123-F/17	29,574	28,123	84.0	94.0	78.6	89.0	94.8	98.0	-
B1049	Dowty Propeller	R408/6-123-F/17	29,257	28,009	84.0	94.0	78.3	89.0	94.8	98.0	-
B1047	Dowty Propeller	R408/6-123-F/17	28,998	28,009	84.0	94.0	78.0	89.0	94.8	98.0	-
B1045	Dowty Propeller	R408/6-123-F/17	28,690	27,783	84.1	94.0	77.8	89.0	94.9	98.0	-
B1043	Dowty Propeller	R408/6-123-F/17	27,987	27,442	84.1	94.0	77.1	89.0	94.9	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **De Havilland Aircraft Company of Canada** Aircraft Type Designation¹ **DHC-8-401**

Engine Manufacturer¹ **Pratt & Whitney Canada** Engine Type Designation¹ **PW150A**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **AFM Supplement 46 (TO with max TO-Power with disabled uptrim)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **4 Edition / Amendment 8** Chapter¹ **4**

EASA Record No.	Propeller Manufacturer ¹	Propeller Type Designation ¹	Maximum Mass		Lateral/Full Power EPNL		Flyover EPNL		Approach EPNL		See Note
			Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
B1104	Dowty Propeller	R408/6-123-F/17	29,574	28,123	85.8	94.0	78.2	89.0	94.8	98.0	-
B1105	Dowty Propeller	R408/6-123-F/17	29,257	28,009	85.8	94.0	77.9	89.0	94.8	98.0	-
B1106	Dowty Propeller	R408/6-123-F/17	28,998	28,009	85.8	94.0	77.6	89.0	94.8	98.0	-
B1107	Dowty Propeller	R408/6-123-F/17	27,987	27,442	85.9	94.0	76.7	89.0	94.9	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **De Havilland Aircraft Company of Canada** Aircraft Type Designation¹ **DHC-8-402**

Engine Manufacturer¹ **Pratt & Whitney Canada** Engine Type Designation¹ **PW150A**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **AFM Supplement 39 (850 rpm Approach)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **4 Edition / Amendment 8** Chapter¹ **4**

EASA Record No.	Propeller Manufacturer ¹	Propeller Type Designation ¹	Maximum Mass		Lateral/Full Power EPNL		Flyover EPNL		Approach EPNL		See Note
			Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
B1062	Dowty Propeller	R408/6-123-F/17	29,574	28,123	84.0	94.0	78.6	89.0	93.1	98.0	-
B1060	Dowty Propeller	R408/6-123-F/17	29,257	28,009	84.0	94.0	78.3	89.0	93.1	98.0	-
B1058	Dowty Propeller	R408/6-123-F/17	28,998	28,009	84.0	94.0	78.0	89.0	93.1	98.0	-
B1056	Dowty Propeller	R408/6-123-F/17	28,690	27,783	84.1	94.0	77.8	89.0	93.1	98.0	-
B1054	Dowty Propeller	R408/6-123-F/17	27,987	27,442	84.1	94.0	77.1	89.0	93.0	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **De Havilland Aircraft Company of Canada** Aircraft Type Designation¹ **DHC-8-402**

Engine Manufacturer¹ **Pratt & Whitney Canada** Engine Type Designation¹ **PW150A**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **AFM Supplement 39, AFM Supplement 46 (850 rpm Approach, TO with max TO-Power with disabled uptrim)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **4 Edition / Amendment 8** Chapter¹ **4**

EASA Record No.	Propeller Manufacturer ¹	Propeller Type Designation ¹	Maximum Mass		Lateral/Full Power EPNL		Flyover EPNL		Approach EPNL		See Note
			Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
B1116	Dowty Propeller	R408/6-123-F/17	29,574	28,123	85.8	94.0	78.2	89.0	93.1	98.0	-
B1117	Dowty Propeller	R408/6-123-F/17	29,257	28,009	85.8	94.0	77.9	89.0	93.1	98.0	-
B1118	Dowty Propeller	R408/6-123-F/17	28,998	28,009	85.8	94.0	77.6	89.0	93.1	98.0	-
B1119	Dowty Propeller	R408/6-123-F/17	27,987	27,442	85.9	94.0	76.7	89.0	93.0	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **De Havilland Aircraft Company of Canada** Aircraft Type Designation¹ **DHC-8-402**

Engine Manufacturer¹ **Pratt & Whitney Canada** Engine Type Designation¹ **PW150A**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **None**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **4 Edition / Amendment 8** Chapter¹ **4**

EASA Record No.	Propeller Manufacturer ¹	Propeller Type Designation ¹	Maximum Mass		Lateral/Full Power EPNL		Flyover EPNL		Approach EPNL		See Note
			Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
B1061	Dowty Propeller	R408/6-123-F/17	29,574	28,123	84.0	94.0	78.6	89.0	94.8	98.0	-
B1059	Dowty Propeller	R408/6-123-F/17	29,257	28,009	84.0	94.0	78.3	89.0	94.8	98.0	-
B1057	Dowty Propeller	R408/6-123-F/17	28,998	28,009	84.0	94.0	78.0	89.0	94.8	98.0	-
B1055	Dowty Propeller	R408/6-123-F/17	28,690	27,783	84.1	94.0	77.8	89.0	94.9	98.0	-
B1053	Dowty Propeller	R408/6-123-F/17	27,987	27,442	84.1	94.0	77.1	89.0	94.9	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **De Havilland Aircraft Company of Canada** Aircraft Type Designation¹ **DHC-8-402**

Engine Manufacturer¹ **Pratt & Whitney Canada** Engine Type Designation¹ **PW150A**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **AFM Supplement 46 (TO with max TO-Power with disabled uptrim)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **4 Edition / Amendment 8** Chapter¹ **4**

EASA Record No.	Propeller Manufacturer ¹	Propeller Type Designation ¹	Maximum Mass		Lateral/Full Power EPNL		Flyover EPNL		Approach EPNL		See Note
			Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
B1112	Dowty Propeller	R408/6-123-F/17	29,574	28,123	85.8	94.0	78.2	89.0	94.8	98.0	-
B1113	Dowty Propeller	R408/6-123-F/17	29,257	28,009	85.8	94.0	77.9	89.0	94.8	98.0	-
B1114	Dowty Propeller	R408/6-123-F/17	28,998	28,009	85.8	94.0	77.6	89.0	94.8	98.0	-
B1115	Dowty Propeller	R408/6-123-F/17	27,987	27,442	85.9	94.0	76.7	89.0	94.9	98.0	-

¹ See Note 1.



TCDSN EASA.IM.A.191 Notes

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

Change Record

Issue	Date	Changes
Issue 1	30 April 2007	Initial Issue
Issue 2	06 January 2009	Page 33: Revise B1045 Page 35: Revise B1046 Page 37: Add record 1107 Page 37: Add record B1108 Page 37: Add record B1105 Page 37: Add record B1104 Page 38: Add record B1111 Page 38: Add record B1110 Page 38: Add record B1109 Page 38: Add record B1108 Page 39: Revise B1055 Page 41: Revise B1056 Page 43: Add record B1115 Page 43: Add record B1114 Page 43: Add record B1113 Page 43: Add record B1112 Page 44: Add record B1119 Page 44: Add record B1116 Page 44: Add record B1118 Page 44: Add record B1117
Issue 3	30 September 2009	Revised
Issue 4	21 May 2012	Add record B1233
Issue 5	04 June 2012	Revised title page
Issue 6	25 September 2019	TC-Holder revised

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