



TYPE-CERTIFICATE DATA SHEET FOR NOISE

No. EASA.A.084

for

ATR 42 / ATR 72

Type Certificate Holder:

ATR-GIE Avions de Transport Regional

1, Allée Pierre Nadot

31712 Blagnac Cedex

France

For models:

ATR 42-200	ATR 72-101
ATR 42-300	ATR 72-102
ATR 42-320	ATR 72-201
ATR 42-400	ATR 72-202
ATR 42-500	ATR 72-211
	ATR 72-212
	ATR 72-212A



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Type Certificate Holder¹ **ATR-GIE Avions de Transport Regional** Aircraft Type Designation¹ **ATR 42-200**

Engine Manufacturer¹ **Pratt & Whitney Canada Corp.** Engine Type Designation¹ **PW120**

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 **Edition 8 / Amendment 12** Chapter¹ **14**

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	
B1169	Hamilton Sundstrand	14SF-5	15,750	15,500	84.6	94.0	75.5	89.0	97.0	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **ATR-GIE Avions de Transport Regional** Aircraft Type Designation¹ **ATR 42-200**

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

Additional modifications essential to meet the requirements or needed to attain the certified noise levels¹ **1822 (Engines derated to 2000 SHP (PW120 power settings))**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 12** Chapter¹ **14**

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	
B1216	Hamilton Sundstrand	14SF-5	15,750	15,500	84.6	94.0	75.5	89.0	97.0	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **ATR-GIE Avions de Transport Regional** Aircraft Type Designation¹ **ATR 42-300**

Engine Manufacturer¹ **Pratt & Whitney Canada Corp.** Engine Type Designation¹ **PW120**

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 **Edition 8 / Amendment 12** Chapter¹ **14**

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	
B1172	Hamilton Sundstrand	14SF-5	16,900	16,400	84.5	94.0	77.1	89.0	96.8	98.0	-
B1171	Hamilton Sundstrand	14SF-5	16,700	16,400	84.5	94.0	76.8	89.0	96.8	98.0	-
B1170	Hamilton Sundstrand	14SF-5	16,150	16,000	84.6	94.0	76.1	89.0	96.9	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **ATR-GIE Avions de Transport Regional**

Aircraft Type Designation¹ **ATR 42-300**

Engine Manufacturer¹ **Pratt & Whitney Canada Corp.**

Engine Type Designation¹ **PW120, PW121**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹

Engine: Engine intermix, PW121 derated to 2000 SHP (PW120 power settings) via mod. 1822

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 12** Chapter¹ **14**

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	
B1307	Hamilton Sundstrand	14SF-5	16,900	16,400	84.5	94.0	77.1	89.0	96.8	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **ATR-GIE Avions de Transport Regional** Aircraft Type Designation¹ **ATR 42-300**

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

Additional modifications essential to meet the requirements or needed to attain the certified noise levels¹ **1822 (Engines derated to 2000 SHP (PW120 power settings))**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 12** Chapter¹ **14**

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	
B1288	Hamilton Sundstrand	14SF-5	16,900	16,400	84.5	94.0	77.1	89.0	96.8	98.0	-
B1287	Hamilton Sundstrand	14SF-5	16,700	16,400	84.5	94.0	76.8	89.0	96.8	98.0	-
B1286	Hamilton Sundstrand	14SF-5	16,150	16,000	84.6	94.0	76.1	89.0	96.9	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **ATR-GIE Avions de Transport Regional** Aircraft Type Designation¹ **ATR 42-320**

Engine Manufacturer¹ **Pratt & Whitney Canada Corp.** 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 **Edition 8 / Amendment 12** Chapter¹ **14**

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	
B1177	Hamilton Sundstrand	14SF-5	16,900	16,400	84.9	94.0	76.5	89.0	96.8	98.0	-
B1176	Hamilton Sundstrand	14SF-5	16,700	16,400	84.9	94.0	76.3	89.0	96.8	98.0	-
B1175	Hamilton Sundstrand	14SF-5	16,150	16,000	85.0	94.0	75.6	89.0	96.9	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **ATR-GIE Avions de Transport Regional**

Aircraft Type Designation¹ **ATR 42-400**

Engine Manufacturer¹ **Pratt & Whitney Canada Corp.**

Engine Type Designation¹ **PW121A**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹

4618 (Hole obstruction of the main landing gear axle)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment 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	
B127	Hamilton Sundstrand	568F-1	17,900	17,600	80.9	94.0	77.2	89.0	93.1	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **ATR-GIE Avions de Transport Regional** Aircraft Type Designation¹ **ATR 42-500**

Engine Manufacturer¹ **Pratt & Whitney Canada Corp.** Engine Type Designation¹ **PW127E**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels¹ **4540 (Deletion of the flap vanes)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 12** Chapter¹ **14**

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	
B1180	Hamilton Sundstrand	568F-1	18,600	18,300	80.6	94.0	76.6	89.0	92.4	98.0	2

¹ See Note 1.



Type Certificate Holder¹ **ATR-GIE Avions de Transport Regional** Aircraft Type Designation¹ **ATR 42-500**

Engine Manufacturer¹ **Pratt & Whitney Canada Corp.** Engine Type Designation¹ **PW127E**

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 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	
B131	Hamilton Sundstrand	568F-1	18,600	18,300	80.7	94.0	76.6	89.0	92.4	98.0	2

¹ See Note 1.



Type Certificate Holder¹ **ATR-GIE Avions de Transport Regional**

Aircraft Type Designation¹ **ATR 42-500**

Engine Manufacturer¹ **Pratt & Whitney Canada Corp.**

Engine Type Designation¹ **PW127E, PW127F, PW127M**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹

4540 (Deletion of the flap vanes), Engine: Engine intermix, any combination of PW127E, PW127F and PW127M

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 12** Chapter¹ **14**

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	
B1283	Hamilton Sundstrand	568F-1	18,600	18,300	80.6	94.0	76.6	89.0	92.4	98.0	2

¹ See Note 1.



Type Certificate Holder¹ **ATR-GIE Avions de Transport Regional** Aircraft Type Designation¹ **ATR 42-500**

Engine Manufacturer¹ **Pratt & Whitney Canada Corp.** Engine Type Designation¹ **PW127F**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels¹ **4540 (Deletion of the flap vanes)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 12** Chapter¹ **14**

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	
B1183	Hamilton Sundstrand	568F-1	18,600	18,300	80.6	94.0	76.6	89.0	92.4	98.0	2

¹ See Note 1.



Type Certificate Holder¹ **ATR-GIE Avions de Transport Regional** Aircraft Type Designation¹ **ATR 42-500**

Engine Manufacturer¹ **Pratt & Whitney Canada Corp.** Engine Type Designation¹ **PW127F**

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 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	
B1226	Hamilton Sundstrand	568F-1	18,600	18,300	80.7	94.0	76.6	89.0	92.4	98.0	2

¹ See Note 1.



Type Certificate Holder¹ **ATR-GIE Avions de Transport Regional** Aircraft Type Designation¹ **ATR 42-500**

Engine Manufacturer¹ **Pratt & Whitney Canada Corp.** Engine Type Designation¹ **PW127M**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels¹ **4540 (Deletion of the flap vanes)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 13** Chapter¹ **14**

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	
B1186	Hamilton Sundstrand	568F-1	18,600	18,300	80.6	94.0	76.6	89.0	92.4	98.0	3

¹ See Note 1.



Type Certificate Holder¹ **ATR-GIE Avions de Transport Regional** Aircraft Type Designation¹ **ATR 42-500**

Engine Manufacturer¹ **Pratt & Whitney Canada Corp.** Engine Type Designation¹ **PW127M**

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 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	
B1091	Hamilton Sundstrand	568F-1	18,600	18,300	80.7	94.0	76.6	89.0	92.4	98.0	2

¹ See Note 1.



Type Certificate Holder¹ **ATR-GIE Avions de Transport Regional** Aircraft Type Designation¹ **ATR 42-500**

Engine Manufacturer¹ **Pratt & Whitney Canada Corp.** Engine Type Designation¹ **PW127XT-M**

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 **Edition 8 / Amendment 13** Chapter¹ **14**

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	
B1403	Hamilton Sundstrand	568F-1	18,600	18,300	80.9	94.0	77.8	89.0	94.2	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **ATR-GIE Avions de Transport Regional** Aircraft Type Designation¹ **ATR 42-500**

Engine Manufacturer¹ **Pratt & Whitney Canada Corp.** Engine Type Designation¹ **PW127XT-M, PW127M**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **Engine: Engine intermix**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 13** Chapter¹ **14**

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	
B1410	Hamilton Sundstrand	568F-1	18,600	18,300	80.9	94.0	77.8	89.0	94.2	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **ATR-GIE Avions de Transport Regional** Aircraft Type Designation¹ **ATR 72-101**

Engine Manufacturer¹ **Pratt & Whitney Canada Corp.** Engine Type Designation¹ **PW124B**

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 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	
B1188	Hamilton Sundstrand	14SF-11	19,990	19,900	86.3	94.0	85.7	89.0	94.4	98.0	2

¹ See Note 1.



Type Certificate Holder¹ **ATR-GIE Avions de Transport Regional** Aircraft Type Designation¹ **ATR 72-102**

Engine Manufacturer¹ **Pratt & Whitney Canada Corp.** Engine Type Designation¹ **PW124B**

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 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	
B1189	Hamilton Sundstrand	14SF-11	19,990	19,900	86.3	94.0	85.7	89.0	94.4	98.0	2

¹ See Note 1.



Type Certificate Holder¹ **ATR-GIE Avions de Transport Regional** Aircraft Type Designation¹ **ATR 72-201**

Engine Manufacturer¹ **Pratt & Whitney Canada Corp.** Engine Type Designation¹ **PW124B**

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 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	
B1192	Hamilton Sundstrand	14SF-11	22,000	21,350	86.2	94.0	87.5	89.0	94.2	98.0	2
B1190	Hamilton Sundstrand	14SF-11	21,500	21,350	86.3	94.0	87.0	89.0	94.2	98.0	2

¹ See Note 1.



Type Certificate Holder¹ **ATR-GIE Avions de Transport Regional** Aircraft Type Designation¹ **ATR 72-202**

Engine Manufacturer¹ **Pratt & Whitney Canada Corp.** Engine Type Designation¹ **PW124B**

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 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	
B1193	Hamilton Sundstrand	14SF-11	22,000	21,350	86.2	94.0	87.5	89.0	94.2	98.0	2
B1191	Hamilton Sundstrand	14SF-11	21,500	21,350	86.3	94.0	87.0	89.0	94.2	98.0	2

¹ See Note 1.



Type Certificate Holder¹ **ATR-GIE Avions de Transport Regional** Aircraft Type Designation¹ **ATR 72-211**

Engine Manufacturer¹ **Pratt & Whitney Canada Corp.** Engine Type Designation¹ **PW127**

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 **Edition 8 / Amendment 12** Chapter¹ **14**

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	
B1198	Hamilton Sundstrand	247 F-1(-E)	22,000	21,350	84.7	94.0	80.9	89.0	92.5	98.0	2
B1197	Hamilton Sundstrand	247 F-1(-E)	21,500	21,350	84.8	94.0	80.1	89.0	92.5	98.0	2

¹ See Note 1.



Type Certificate Holder¹ **ATR-GIE Avions de Transport Regional** Aircraft Type Designation¹ **ATR 72-211**

Engine Manufacturer¹ **Pratt & Whitney Canada Corp.** Engine Type Designation¹ **PW127F**

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 **Edition 8 / Amendment 12** Chapter¹ **14**

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	
B1219	Hamilton Sundstrand	247 F-1(-E)	22,000	21,350	84.7	94.0	80.9	89.0	92.5	98.0	2
B1218	Hamilton Sundstrand	247 F-1(-E)	21,500	21,350	84.8	94.0	80.1	89.0	92.5	98.0	2

¹ See Note 1.



Type Certificate Holder¹ **ATR-GIE Avions de Transport Regional** Aircraft Type Designation¹ **ATR 72-212**

Engine Manufacturer¹ **Pratt & Whitney Canada Corp.** Engine Type Designation¹ **PW127**

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 **Edition 8 / Amendment 12** Chapter¹ **14**

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	
B1202	Hamilton Sundstrand	247 F-1(-E)	22,000	21,350	84.7	94.0	80.9	89.0	92.5	98.0	2
B1201	Hamilton Sundstrand	247 F-1(-E)	21,500	21,350	84.8	94.0	80.1	89.0	92.5	98.0	2

¹ See Note 1.



Type Certificate Holder¹ **ATR-GIE Avions de Transport Regional** Aircraft Type Designation¹ **ATR 72-212**

Engine Manufacturer¹ **Pratt & Whitney Canada Corp.** Engine Type Designation¹ **PW127, PW127F**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **Engine: Engine intermix**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 12** Chapter¹ **14**

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	
B1417	Hamilton Sundstrand	247 F-1(-E)	22,000	21,350	84.7	94.0	80.9	89.0	92.5	98.0	2
B1418	Hamilton Sundstrand	247 F-1(-E)	21,500	21,350	84.8	94.0	80.1	89.0	92.5	98.0	2

¹ See Note 1.



Type Certificate Holder¹ **ATR-GIE Avions de Transport Regional** Aircraft Type Designation¹ **ATR 72-212**

Engine Manufacturer¹ **Pratt & Whitney Canada Corp.** Engine Type Designation¹ **PW127F**

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 **Edition 8 / Amendment 12** Chapter¹ **14**

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	
B1223	Hamilton Sundstrand	247 F-1(-E)	22,000	21,350	84.7	94.0	80.9	89.0	92.5	98.0	2
B1222	Hamilton Sundstrand	247 F-1(-E)	21,500	21,350	84.8	94.0	80.1	89.0	92.5	98.0	2

¹ See Note 1.



Type Certificate Holder¹ **ATR-GIE Avions de Transport Regional** Aircraft Type Designation¹ **ATR 72-212A**

Engine Manufacturer¹ **Pratt & Whitney Canada Corp.** Engine Type Designation¹ **PW127F**

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 **Edition 8 / Amendment 12** Chapter¹ **14**

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	
B1208	Hamilton Sundstrand	568F-1	23,000	22,350	82.5	94.0	80.5	89.0	92.2	98.0	2
B1207	Hamilton Sundstrand	568F-1	22,800	22,350	82.5	94.0	80.2	89.0	92.2	98.0	2
B1206	Hamilton Sundstrand	568F-1	22,500	22,350	82.5	94.0	79.8	89.0	92.2	98.0	2
B1205	Hamilton Sundstrand	568F-1	22,000	21,850	82.6	94.0	79.1	89.0	92.2	98.0	2
B1289	Hamilton Sundstrand	568F-1	21,999	21,850	82.6	94.0	79.1	89.0	92.2	98.0	2
B1292	Hamilton Sundstrand	568F-1	21,000	21,000	82.6	94.0	77.6	89.0	92.3	98.0	2

¹ See Note 1.



Type Certificate Holder¹ **ATR-GIE Avions de Transport Regional** Aircraft Type Designation¹ **ATR 72-212A**

Engine Manufacturer¹ **Pratt & Whitney Canada Corp.** Engine Type Designation¹ **PW127F, PW127M**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **Engine: Engine intermix**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 12** Chapter¹ **14**

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	
B1309	Hamilton Sundstrand	568F-1	23,000	22,350	82.5	94.0	80.5	89.0	92.2	98.0	2
B1310	Hamilton Sundstrand	568F-1	22,800	22,350	82.5	94.0	80.2	89.0	92.2	98.0	2
B1311	Hamilton Sundstrand	568F-1	22,500	22,350	82.5	94.0	79.8	89.0	92.2	98.0	2
B1312	Hamilton Sundstrand	568F-1	22,000	21,850	82.6	94.0	79.1	89.0	92.2	98.0	2
B1313	Hamilton Sundstrand	568F-1	21,999	21,850	82.6	94.0	79.1	89.0	92.2	98.0	2
B1315	Hamilton Sundstrand	568F-1	21,000	21,000	82.6	94.0	77.6	89.0	92.3	98.0	2

¹ See Note 1.



Type Certificate Holder¹ **ATR-GIE Avions de Transport Regional** Aircraft Type Designation¹ **ATR 72-212A**

Engine Manufacturer¹ **Pratt & Whitney Canada Corp.** Engine Type Designation¹ **PW127M**

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 **Edition 8 / Amendment 13** Chapter¹ **14**

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	
B1214	Hamilton Sundstrand	568F-1	23,000	22,350	82.5	94.0	80.5	89.0	92.2	98.0	3
B1213	Hamilton Sundstrand	568F-1	22,800	22,350	82.5	94.0	80.2	89.0	92.2	98.0	3
B1212	Hamilton Sundstrand	568F-1	22,500	22,350	82.5	94.0	79.8	89.0	92.2	98.0	3
B1211	Hamilton Sundstrand	568F-1	22,000	21,850	82.6	94.0	79.1	89.0	92.2	98.0	3
B1290	Hamilton Sundstrand	568F-1	21,999	21,850	82.6	94.0	79.1	89.0	92.2	98.0	3
B1293	Hamilton Sundstrand	568F-1	21,000	21,000	82.6	94.0	77.6	89.0	92.3	98.0	2

¹ See Note 1.



Type Certificate Holder¹ **ATR-GIE Avions de Transport Regional** Aircraft Type Designation¹ **ATR 72-212A**

Engine Manufacturer¹ **Pratt & Whitney Canada Corp.** Engine Type Designation¹ **PW127N**

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 **Edition 8 / Amendment 12** Chapter¹ **14**

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	
B1276	Hamilton Sundstrand	568F-1	23,000	22,350	82.5	94.0	80.5	89.0	92.2	98.0	2
B1277	Hamilton Sundstrand	568F-1	22,800	22,350	82.5	94.0	80.2	89.0	92.2	98.0	2
B1278	Hamilton Sundstrand	568F-1	22,500	22,350	82.5	94.0	79.8	89.0	92.2	98.0	2
B1279	Hamilton Sundstrand	568F-1	22,000	21,850	82.6	94.0	79.1	89.0	92.2	98.0	2
B1291	Hamilton Sundstrand	568F-1	21,999	21,850	82.6	94.0	79.1	89.0	92.2	98.0	2
B1294	Hamilton Sundstrand	568F-1	21,000	21,000	82.6	94.0	77.6	89.0	92.3	98.0	2

¹ See Note 1.



Type Certificate Holder¹ **ATR-GIE Avions de Transport Regional** Aircraft Type Designation¹ **ATR 72-212A**

Engine Manufacturer¹ **Pratt & Whitney Canada Corp.** Engine Type Designation¹ **PW127XT-M**

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 **Edition 8 / Amendment 13** Chapter¹ **14**

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	
B1404	Hamilton Sundstrand	568F-1	23,000	22,350	83.7	94.0	82.2	89.0	93.0	98.0	-
B1405	Hamilton Sundstrand	568F-1	22,800	22,350	83.7	94.0	82.0	89.0	93.0	98.0	-
B1406	Hamilton Sundstrand	568F-1	22,500	22,350	83.7	94.0	81.5	89.0	93.0	98.0	-
B1407	Hamilton Sundstrand	568F-1	22,000	21,850	83.8	94.0	80.8	89.0	93.0	98.0	-
B1408	Hamilton Sundstrand	568F-1	21,999	21,850	83.8	94.0	80.8	89.0	93.0	98.0	-
B1409	Hamilton Sundstrand	568F-1	21,000	21,000	83.8	94.0	79.4	89.0	93.0	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **ATR-GIE Avions de Transport Regional** Aircraft Type Designation¹ **ATR 72-212A**

Engine Manufacturer¹ **Pratt & Whitney Canada Corp.** Engine Type Designation¹ **PW127XT-M, PW127M**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **Engine: Engine intermix**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 13** Chapter¹ **14**

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	
B1411	Hamilton Sundstrand	568F-1	23,000	22,350	83.7	94.0	82.2	89.0	93.0	98.0	-
B1412	Hamilton Sundstrand	568F-1	22,800	22,350	83.7	94.0	82.0	89.0	93.0	98.0	-
B1413	Hamilton Sundstrand	568F-1	22,500	22,350	83.7	94.0	81.5	89.0	93.0	98.0	-
B1414	Hamilton Sundstrand	568F-1	22,000	21,850	83.8	94.0	80.8	89.0	93.0	98.0	-
B1415	Hamilton Sundstrand	568F-1	21,999	21,850	83.8	94.0	80.8	89.0	93.0	98.0	-
B1416	Hamilton Sundstrand	568F-1	21,000	21,000	83.8	94.0	79.4	89.0	93.0	98.0	-

¹ See Note 1.



CS-36 Amendment level

ICAO, Annex 16, Volume I Amendment level	7	8	9	10	11-B	12	13
Corresponding CS-36 Amendment level	Initial	1	2	3	4	5	6

Note: This table is for information purposes only. It links the applicable noise requirements in Volume I of ICAO Annex 16 to the corresponding Appendices to that Volume, which were listed as acceptable means of compliance in CS-36. With the adoption of Regulation (EU) 2018/1139 (i.e. from Amendment 12 to Volume I of ICAO Annex 16) these Appendices became part of the applicable noise requirements. Their reference was removed in Amendment 6 to CS-36 and this table will not be updated further.

TCDSN EASA.A.084 Notes

1. In cases where it is appropriate to issue a noise certificate, items so marked shall be included on EASA Form 45.
2. also applicable to aircraft fitted with mod. 10342 (Hollow Pin Plug)
3. also applicable to aircraft fitted with mod. 10342 (Hollow Pin Plug) and to aircraft fitted with mod. 10302 capability



Change Record

Issue	Date	Changes
Issue 1	08 January 2007	Initial Issue
Issue 2	15 May 2007	Page 18: Delete record B160 Page 18: Delete record B161 Page 18: Delete record B162 Page 18: Delete record B163 Page 18: Delete record B164
Issue 3	21 December 2007	Page 9: Add record B1090 Page 9: Add record B1091 Page 9: Add record B1092 Page 17: Add record B1089 Page 19: Add record B1093 Page 19: Add record B1094 Page 19: Add record B1095 Page 19: Add record B1096 Page 19: Add record B1097
Issue 4	08 February 2008	Page 18: Revised Page 19: Revised
Issue 5	12 February 2009	Page 9: Add record 1103
Issue 6	21 December 2010	Recertification Chapter 4
Issue 7	23 November 2012	The following records have been removed from the TCDSN: B125, B126, B129, B1090, B1173, B1178, B1171, B1184, B1187, B1194, B1195, B1199, B1203, B1209, B1215, B1220, B1224, B1225, B1228 and B1229
Issue 8	20 November 2013	Corrections of errors on propeller designation for 72-212A models.
Issue 9	04 July 2014	Introduce new engine PW127 N on ATR 72-212A
Issue 10	09 April 2015	Records B1283 and B1284 added.
Issue 11	17 March 2016	Records B1295-B1297 added, propeller manufacturer revised
Issue 12	31 May 2021	Recertification to Chapter 14 of various models. The following records have been removed from the TCDSN: B1174 / B1179 / B1284 / B1182 / B1185 / B1196 / B1217 / B1200 / B1221 / B1295 / B1296 / B1297 / B128 / B133 / B1227 / B1092 / B1292 / B1293 / B1294. The following record has been added to the TCDSN: B1355.
Issue 13	10 June 2021	Recertification to Chapter 14 of various models. Update record of Revision of Changes in issue 12. The following records have been re-added to the TCDSN: B1292 / B1293 / B1294. The flyover noise level of these records has been updated (77.7 EPNdB replaced by 77.6 EPNdB). The following record has been removed from the TCDSN: B1355.
Issue 14	25 March 2022	Added record B1357
Issue 15	14 October 2022	Added records B1403-B1409 for ATR 42-500 and ATR 72-212A fitted with engine PW127XT-M; Added note 2: "also applicable to aircraft fitted with mod. 10342 (Hollow Pin Plug)"
Issue 16	16 December 2022	Added records B1410-B1416 for ATR 42-500 and ATR 72-212A at engine intermix PW127XT-M, PW127M (mod. 10302); Added note 3: "also applicable to aircraft fitted with mod. 10342 (Hollow Pin Plug) and to aircraft fitted with mod. 10302 capability" to records where applicable
Issue 17	05 September 2023	Added records B1309, B1310, B1311, B1312, B1313 and B1315
Issue 18	27 September 2023	Added records B1307, B1417 and B1418
Issue 19	04 October 2023	Corrected engine designation for records B1417 and B1418
Issue 20	28 October 2024	Harmonized ATR 42-500 engine intermix configurations: Record B1357 deleted, record B1282 amended

