



European Aviation Safety Agency

EASA

**TYPE-CERTIFICATE
DATA SHEET FOR NOISE**

No. EASA.A.004

for

AIRBUS A330

Type Certificate Holder:

Airbus

1 Rond-point Maurice Bellonte
31707 BLAGNAC
FRANCE

For models:	A330-201	A330-223	A330-301	A330-321	A330-341
	A330-202	A330-243	A330-302	A330-322	A330-342
	A330-203	A330-223F	A330-303	A330-323	A330-343
		A330-243F			

INTENTIONALLY LEFT BLANK

Type Certificate Holder¹ **Airbus** Aircraft Type Designation¹ **A330-201**

Engine Manufacturer¹ **General Electric** Engine Type Designation¹ **CF6-80E1A2**

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 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A15151	058	238,000	182,000	97.0	101.1	94.4	98.2	99.0	104.4	-
A16713	062	238,000	182,000	97.0	101.1	94.4	98.2	99.0	104.4	-
A15152	057	236,000	182,000	97.1	101.1	93.9	98.2	99.0	104.4	-
A2812	052	233,000	182,000	97.2	101.0	93.4	98.1	99.0	104.4	-
A2813	023	233,000	180,000	97.2	101.0	93.4	98.1	98.9	104.4	-
A7905	056	233,000	180,000	97.2	101.0	93.4	98.1	98.9	104.4	-
A15153	054	230,000	182,000	97.4	101.0	92.9	98.0	99.0	104.3	-
A15154	061	230,000	182,000	97.4	101.0	92.9	98.0	99.0	104.3	-
A2815	020	230,000	180,000	97.4	101.0	92.9	98.0	98.9	104.3	-
A2816	050	230,000	180,000	97.4	101.0	92.9	98.0	98.9	104.3	-

¹ See Note 1.

/continued over page

Type Certificate Holder¹ **Airbus** Aircraft Type Designation¹ **A330-201**

Engine Manufacturer¹ **General Electric** Engine Type Designation¹ **CF6-80E1A2**

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 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A7907	060	220,000	182,000	97.6	100.8	91.6	97.8	99.0	104.2	-
A7906	059	202,000	182,000	97.9	100.5	89.3	97.3	99.0	103.9	-
A2817	024	202,000	180,000	97.9	100.5	89.3	97.3	98.9	103.9	-
A7904	055	192,000	182,000	98.1	100.3	88.0	97.0	99.0	103.7	-

¹ See Note 1.

Type Certificate Holder¹ **Airbus** Aircraft Type Designation¹ **A330-202**
Engine Manufacturer¹ **General Electric** Engine Type Designation¹ **CF6-80E1A2, CF6-80E1A4**
Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **46549 (Engine intermix)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A15155	058	238,000	182,000	97.0	101.1	94.4	98.2	99.0	104.4	-
A15156	057	236,000	182,000	97.1	101.1	93.9	98.2	99.0	104.4	-
A2823	022	233,000	182,000	97.2	101.0	93.4	98.1	99.0	104.4	-
A2824	052	233,000	182,000	97.2	101.0	93.4	98.1	99.0	104.4	-
A7930	023	233,000	180,000	97.2	101.0	93.4	98.1	98.9	104.4	-
A7933	056	233,000	180,000	97.2	101.0	93.4	98.1	98.9	104.4	-
A15157	054	230,000	182,000	97.4	101.0	92.9	98.0	99.0	104.3	-
A15158	061	230,000	182,000	97.4	101.0	92.9	98.0	99.0	104.3	-
A2825	021	230,000	182,000	97.4	101.0	92.9	98.0	99.0	104.3	-
A2826	020	230,000	180,000	97.4	101.0	92.9	98.0	98.9	104.3	-

¹ See Note 1.

/continued over page

Type Certificate Holder ¹	Airbus	Aircraft Type Designation ¹	A330-202
Engine Manufacturer ¹	General Electric	Engine Type Designation ¹	CF6-80E1A2, CF6-80E1A4
Additional modifications essential to meet the requirements or needed to attain the certificated noise levels ¹			46549 (Engine intermix)
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 5 / Amendment 9
		Chapter ¹	4

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A2827	050	230,000	180,000	97.4	101.0	92.9	98.0	98.9	104.3	-
A7935	060	220,000	182,000	97.6	100.8	91.6	97.8	99.0	104.2	-
A7931	053	210,000	180,000	97.8	100.6	90.3	97.5	98.9	104.0	-
A7934	059	202,000	182,000	97.9	100.5	89.3	97.3	99.0	103.9	-
A7932	055	192,000	182,000	98.1	100.3	88.0	97.0	99.0	103.7	-

¹ See Note 1.

Type Certificate Holder¹ **Airbus** Aircraft Type Designation¹ **A330-202**

Engine Manufacturer¹ **General Electric** Engine Type Designation¹ **CF6-80E1A4**

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 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A2821	020	230,000	180,000	99.1	101.0	92.1	98.0	98.9	104.3	-
A2822	050	230,000	180,000	99.1	101.0	92.1	98.0	98.9	104.3	-
A7923	060	220,000	182,000	99.2	100.8	90.8	97.8	99.0	104.2	-
A7917	053	210,000	180,000	99.4	100.6	89.5	97.5	98.9	104.0	-
A7922	059	202,000	182,000	99.5	100.5	88.6	97.3	99.0	103.9	-
A7918	055	192,000	182,000	99.7	100.3	87.4	97.0	99.0	103.7	-

¹ See Note 1.

Type Certificate Holder¹ **Airbus** Aircraft Type Designation¹ **A330-202**
 Engine Manufacturer¹ **General Electric** Engine Type Designation¹ **CF6-80E1A4/B**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **52776 (Thrust bump to CF6-80E1A3 rating)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A7941	058	238,000	182,000	99.6	101.1	92.8	98.2	99.0	104.4	-
A16519	062	238,000	182,000	99.6	101.1	92.8	98.2	99.0	104.4	-
A7940	057	236,000	182,000	99.6	101.1	92.5	98.2	99.0	104.4	-
A5801	022	233,000	182,000	99.6	101.0	92.1	98.1	99.0	104.4	-
A5802	052	233,000	182,000	99.6	101.0	92.1	98.1	99.0	104.4	-
A7936	023	233,000	180,000	99.6	101.0	92.1	98.1	98.9	104.4	-
A7939	056	233,000	180,000	99.6	101.0	92.1	98.1	98.9	104.4	-
A5803	021	230,000	182,000	99.7	101.0	91.8	98.0	99.0	104.3	-
A10954	054	230,000	182,000	99.7	101.0	91.8	98.0	99.0	104.3	-
A16518	061	230,000	182,000	99.7	101.0	91.8	98.0	99.0	104.3	-

¹ See Note 1.

/continued over page

Type Certificate Holder¹ **Airbus** Aircraft Type Designation¹ **A330-202**
 Engine Manufacturer¹ **General Electric** Engine Type Designation¹ **CF6-80E1A4/B**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **52776 (Thrust bump to CF6-80E1A3 rating)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A5804	020	230,000	180,000	99.7	101.0	91.8	98.0	98.9	104.3	-
A5805	050	230,000	180,000	99.7	101.0	91.8	98.0	98.9	104.3	-
A7943	060	220,000	182,000	99.8	100.8	90.5	97.8	99.0	104.2	-
A7937	053	210,000	180,000	100.0	100.6	89.3	97.5	98.9	104.0	-
A7942	059	202,000	182,000	100.1	100.5	88.3	97.3	99.0	103.9	-
A7938	055	192,000	182,000	100.3	100.3	87.2	97.0	99.0	103.7	-

¹ See Note 1.

Type Certificate Holder¹ **Airbus** Aircraft Type Designation¹ **A330-203**
 Engine Manufacturer¹ **General Electric** Engine Type Designation¹ **CF6-80E1A3**
 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 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A7957	058	238,000	182,000	99.6	101.1	92.8	98.2	99.0	104.4	-
A7956	057	236,000	182,000	99.6	101.1	92.5	98.2	99.0	104.4	-
A807	022	233,000	182,000	99.6	101.0	92.1	98.1	99.0	104.4	-
A811	052	233,000	182,000	99.6	101.0	92.1	98.1	99.0	104.4	-
A7952	023	233,000	180,000	99.6	101.0	92.1	98.1	98.9	104.4	-
A7955	056	233,000	180,000	99.6	101.0	92.1	98.1	98.9	104.4	-
A7953	054	230,000	182,000	99.7	101.0	91.8	98.0	99.0	104.3	-
A805	020	230,000	180,000	99.7	101.0	91.8	98.0	98.9	104.3	-
A809	050	230,000	180,000	99.7	101.0	91.8	98.0	98.9	104.3	-
A7959	060	220,000	182,000	99.8	100.8	90.5	97.8	99.0	104.2	-

¹ See Note 1.

/continued over page

Type Certificate Holder¹ **Airbus** Aircraft Type Designation¹ **A330-223**

Engine Manufacturer¹ **Pratt & Whitney** Engine Type Designation¹ **PW4168A**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **57277, with or without 54304 ("Advantage 70" performance kit (part only), with or without kevlar front and aft fan containment case and new intermediate fan case)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A15416	058	238,000	182,000	98.2	101.1	93.4	98.2	98.5	104.4	-
A15417	057	236,000	182,000	98.2	101.1	93.1	98.2	98.5	104.4	-
A15418	022	233,000	182,000	98.3	101.0	92.7	98.1	98.5	104.4	-
A15419	052	233,000	182,000	98.3	101.0	92.7	98.1	98.5	104.4	-
A15420	023	233,000	180,000	98.3	101.0	92.7	98.1	98.4	104.4	-
A15421	056	233,000	180,000	98.3	101.0	92.7	98.1	98.4	104.4	-
A15422	021	230,000	182,000	98.3	101.0	92.3	98.0	98.5	104.3	-
A15423	054	230,000	182,000	98.3	101.0	92.3	98.0	98.5	104.3	-
A15424	061	230,000	182,000	98.3	101.0	92.3	98.0	98.5	104.3	-
A15425	020	230,000	180,000	98.3	101.0	92.3	98.0	98.4	104.3	-

¹ See Note 1.

/continued over page

Type Certificate Holder¹ **Airbus** Aircraft Type Designation¹ **A330-223**

Engine Manufacturer¹ **Pratt & Whitney** Engine Type Designation¹ **PW4168A**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **57277, with or without 54304 ("Advantage 70" performance kit (part only), with or without kevlar front and aft fan containment case and new intermediate fan case)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A15426	050	230,000	180,000	98.3	101.0	92.3	98.0	98.4	104.3	-
A15428	060	220,000	182,000	98.4	100.8	90.9	97.8	98.5	104.2	-
A15429	059	202,000	182,000	98.7	100.5	88.6	97.3	98.5	103.9	-
A15430	055	192,000	182,000	98.8	100.3	87.3	97.0	98.5	103.7	-

¹ See Note 1.

Type Certificate Holder¹ **Airbus** Aircraft Type Designation¹ **A330-223**

Engine Manufacturer¹ **Pratt & Whitney** Engine Type Designation¹ **PW4168A**

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

201487 (Engine intermix, one engine with part "Advantage 70" performance kit (mod. 57227), one engine with titanium fan containment case with or without new intermediate fan case (mod. 47277))

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A16098	058	238,000	182,000	98.7	101.1	93.7	98.2	98.5	104.4	-
A16099	057	236,000	182,000	98.7	101.1	93.4	98.2	98.5	104.4	-
A16100	022	233,000	182,000	98.7	101.0	93.0	98.1	98.5	104.4	-
A16101	052	233,000	182,000	98.7	101.0	93.0	98.1	98.5	104.4	-
A16102	023	233,000	180,000	98.7	101.0	93.0	98.1	98.4	104.4	-
A16103	056	233,000	180,000	98.7	101.0	93.0	98.1	98.4	104.4	-
A16104	021	230,000	182,000	98.8	101.0	92.5	98.0	98.5	104.3	-
A16105	054	230,000	182,000	98.8	101.0	92.5	98.0	98.5	104.3	-
A16106	061	230,000	182,000	98.8	101.0	92.5	98.0	98.5	104.3	-
A16107	020	230,000	180,000	98.8	101.0	92.5	98.0	98.4	104.3	-

¹ See Note 1.

/continued over page

Type Certificate Holder¹ **Airbus** Aircraft Type Designation¹ **A330-223**

Engine Manufacturer¹ **Pratt & Whitney** Engine Type Designation¹ **PW4168A**

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

201487 (Engine intermix, one engine with part "Advantage 70" performance kit (mod. 57227), one engine with titanium fan containment case with or without new intermediate fan case (mod. 47277))

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A16108	050	230,000	180,000	98.8	101.0	92.5	98.0	98.4	104.3	-
A16110	060	220,000	182,000	98.9	100.8	91.2	97.8	98.5	104.2	-
A16111	059	202,000	182,000	99.1	100.5	88.8	97.3	98.5	103.9	-
A16112	055	192,000	182,000	99.3	100.3	87.5	97.0	98.5	103.7	-

¹ See Note 1.

Type Certificate Holder¹ **Airbus** Aircraft Type Designation¹ **A330-223**

Engine Manufacturer¹ **Pratt & Whitney** Engine Type Designation¹ **PW4168A**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **54304 (47218, 47277) (Kevlar front and aft fan containment case and new intermediate fan case (No intermix permitted with titanium hardware))**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A8024	058	238,000	182,000	98.1	101.1	93.4	98.2	98.2	104.4	-
A8023	057	236,000	182,000	98.1	101.1	93.1	98.2	98.2	104.4	-
A829	022	233,000	182,000	98.1	101.0	92.7	98.1	98.2	104.4	-
A831	052	233,000	182,000	98.1	101.0	92.7	98.1	98.2	104.4	-
A8020	023	233,000	180,000	98.1	101.0	92.7	98.1	98.1	104.4	-
A8022	056	233,000	180,000	98.1	101.0	92.7	98.1	98.1	104.4	-
A828	021	230,000	182,000	98.2	101.0	92.3	98.0	98.2	104.3	-
A10931	054	230,000	182,000	98.2	101.0	92.3	98.0	98.2	104.3	-
A827	020	230,000	180,000	98.2	101.0	92.3	98.0	98.1	104.3	-
A830	050	230,000	180,000	98.2	101.0	92.3	98.0	98.1	104.3	-

¹ See Note 1.

/continued over page

Type Certificate Holder¹ **Airbus** Aircraft Type Designation¹ **A330-223**

Engine Manufacturer¹ **Pratt & Whitney** Engine Type Designation¹ **PW4168A**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **54304 (47218, 47277) (Kevlar front and aft fan containment case and new intermediate fan case (No intermix permitted with titanium hardware))**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A8026	060	220,000	182,000	98.3	100.8	90.9	97.8	98.2	104.2	-
A8025	059	202,000	182,000	98.5	100.5	88.6	97.3	98.2	103.9	-
A8021	055	192,000	182,000	98.7	100.3	87.3	97.0	98.2	103.7	-

¹ See Note 1.

Type Certificate Holder¹ **Airbus** Aircraft Type Designation¹ **A330-223**

Engine Manufacturer¹ **Pratt & Whitney** Engine Type Designation¹ **PW4168A**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **With or without 47218 and/or 47277 (With or without kevlar front and aft fan containment case and/or new intermediate fan case)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A7986	058	238,000	182,000	98.7	101.1	93.7	98.2	98.2	104.4	-
A7985	057	236,000	182,000	98.7	101.1	93.4	98.2	98.2	104.4	-
A834	022	233,000	182,000	98.7	101.0	93.0	98.1	98.2	104.4	-
A836	052	233,000	182,000	98.7	101.0	93.0	98.1	98.2	104.4	-
A7982	023	233,000	180,000	98.7	101.0	93.0	98.1	98.1	104.4	-
A7984	056	233,000	180,000	98.7	101.0	93.0	98.1	98.1	104.4	-
A833	021	230,000	182,000	98.8	101.0	92.5	98.0	98.2	104.3	-
A10929	054	230,000	182,000	98.8	101.0	92.5	98.0	98.2	104.3	-
A832	020	230,000	180,000	98.8	101.0	92.5	98.0	98.1	104.3	-
A835	050	230,000	180,000	98.8	101.0	92.5	98.0	98.1	104.3	-

¹ See Note 1.

/continued over page

Type Certificate Holder¹ **Airbus** Aircraft Type Designation¹ **A330-223**

Engine Manufacturer¹ **Pratt & Whitney** Engine Type Designation¹ **PW4168A**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **With or without 47218 and/or 47277 (With or without kevlar front and aft fan containment case and/or new intermediate fan case)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A7988	060	220,000	182,000	98.9	100.8	91.2	97.8	98.2	104.2	-
A7987	059	202,000	182,000	99.1	100.5	88.8	97.3	98.2	103.9	-
A7983	055	192,000	182,000	99.3	100.3	87.5	97.0	98.2	103.7	-

¹ See Note 1.

Type Certificate Holder¹ **Airbus** Aircraft Type Designation¹ **A330-223**

Engine Manufacturer¹ **Pratt & Whitney** Engine Type Designation¹ **PW4168A**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **With or without 47277 (With or without new intermediate fan case design)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A7972	058	238,000	182,000	98.7	101.1	93.7	98.2	98.1	104.4	-
A7971	057	236,000	182,000	98.7	101.1	93.4	98.2	98.1	104.4	-
A814	022	233,000	182,000	98.7	101.0	93.0	98.1	98.1	104.4	-
A816	052	233,000	182,000	98.7	101.0	93.0	98.1	98.1	104.4	-
A7968	023	233,000	180,000	98.7	101.0	93.0	98.1	98.1	104.4	-
A7970	056	233,000	180,000	98.7	101.0	93.0	98.1	98.1	104.4	-
A813	021	230,000	182,000	98.8	101.0	92.5	98.0	98.1	104.3	-
A10913	054	230,000	182,000	98.8	101.0	92.5	98.0	98.1	104.3	-
A812	020	230,000	180,000	98.8	101.0	92.5	98.0	98.1	104.3	-
A815	050	230,000	180,000	98.8	101.0	92.5	98.0	98.1	104.3	-

¹ See Note 1.

/continued over page

Type Certificate Holder¹ **Airbus** Aircraft Type Designation¹ **A330-223**

Engine Manufacturer¹ **Pratt & Whitney** Engine Type Designation¹ **PW4168A**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **With or without 47277 (With or without new intermediate fan case design)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A7974	060	220,000	182,000	98.9	100.8	91.2	97.8	98.1	104.2	-
A7973	059	202,000	182,000	99.1	100.5	88.8	97.3	98.1	103.9	-
A7969	055	192,000	182,000	99.3	100.3	87.5	97.0	98.1	103.7	-

¹ See Note 1.

Type Certificate Holder¹ **Airbus** Aircraft Type Designation¹ **A330-223**
Engine Manufacturer¹ **Pratt & Whitney** Engine Type Designation¹ **PW4168A, PW4168A-1D**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **58914 (Engine intermix, PW4168A engine with or without kevlar front and aft fan containment case (mod. 47218) or new intermediate fan case (mod. 47277), PW4168A-1D (PW4170 engine with mod. 58344))**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A15991	058	238,000	182,000	98.7	101.1	93.7	98.2	98.5	104.4	-
A15992	057	236,000	182,000	98.7	101.1	93.4	98.2	98.5	104.4	-
A15993	022	233,000	182,000	98.7	101.0	93.0	98.1	98.5	104.4	-
A15994	052	233,000	182,000	98.7	101.0	93.0	98.1	98.5	104.4	-
A15995	023	233,000	180,000	98.7	101.0	93.0	98.1	98.4	104.4	-
A15996	056	233,000	180,000	98.7	101.0	93.0	98.1	98.4	104.4	-
A15997	021	230,000	182,000	98.8	101.0	92.5	98.0	98.5	104.3	-
A15998	054	230,000	182,000	98.8	101.0	92.5	98.0	98.5	104.3	-
A15999	061	230,000	182,000	98.8	101.0	92.5	98.0	98.5	104.3	-
A16000	020	230,000	180,000	98.8	101.0	92.5	98.0	98.4	104.3	-

¹ See Note 1.

/continued over page

Type Certificate Holder¹ **Airbus**

Aircraft Type Designation¹ **A330-223**

Engine Manufacturer¹ **Pratt & Whitney**

Engine Type Designation¹ **PW4168A, PW4168A-1D**

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

58914 (Engine intermix, PW4168A engine with or without kevlar front and aft fan containment case (mod. 47218) or new intermediate fan case (mod. 47277), PW4168A-1D (PW4170 engine with mod. 58344))

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A16001	050	230,000	180,000	98.8	101.0	92.5	98.0	98.4	104.3	-
A16003	060	220,000	182,000	98.9	100.8	91.2	97.8	98.5	104.2	-
A16004	059	202,000	182,000	99.1	100.5	88.8	97.3	98.5	103.9	-
A16005	055	192,000	182,000	99.3	100.3	87.5	97.0	98.5	103.7	-

¹ See Note 1.

Type Certificate Holder¹ **Airbus** Aircraft Type Designation¹ **A330-223**
Engine Manufacturer¹ **Pratt & Whitney** Engine Type Designation¹ **PW4168A, PW4168A-1D**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **201487 (Engine intermix, PW4168A engine with titanium fan containment case with or without new intermediate fan case (mod. 47277), PW4168A-1D (PW4170 engine with mod. 58344 or PW4168A engine with mod. 58956))**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A16083	058	238,000	182,000	98.7	101.1	93.7	98.2	98.5	104.4	-
A16084	057	236,000	182,000	98.7	101.1	93.4	98.2	98.5	104.4	-
A16085	022	233,000	182,000	98.7	101.0	93.0	98.1	98.5	104.4	-
A16086	052	233,000	182,000	98.7	101.0	93.0	98.1	98.5	104.4	-
A16087	023	233,000	180,000	98.7	101.0	93.0	98.1	98.4	104.4	-
A16088	056	233,000	180,000	98.7	101.0	93.0	98.1	98.4	104.4	-
A16089	021	230,000	182,000	98.8	101.0	92.5	98.0	98.5	104.3	-
A16090	054	230,000	182,000	98.8	101.0	92.5	98.0	98.5	104.3	-
A16091	061	230,000	182,000	98.8	101.0	92.5	98.0	98.5	104.3	-
A16092	020	230,000	180,000	98.8	101.0	92.5	98.0	98.4	104.3	-

¹ See Note 1.

/continued over page

Type Certificate Holder ¹	Airbus	Aircraft Type Designation ¹	A330-223
Engine Manufacturer ¹	Pratt & Whitney	Engine Type Designation ¹	PW4168A, PW4168A-1D

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

201487 (Engine intermix, PW4168A engine with titanium fan containment case with or without new intermediate fan case (mod. 47277), PW4168A-1D (PW4170 engine with mod. 58344 or PW4168A engine with mod. 58956))

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A16093	050	230,000	180,000	98.8	101.0	92.5	98.0	98.4	104.3	-
A16095	060	220,000	182,000	98.9	100.8	91.2	97.8	98.5	104.2	-
A16096	059	202,000	182,000	99.1	100.5	88.8	97.3	98.5	103.9	-
A16097	055	192,000	182,000	99.3	100.3	87.5	97.0	98.5	103.7	-

¹ See Note 1.

Type Certificate Holder¹ **Airbus**

Aircraft Type Designation¹ **A330-223**

Engine Manufacturer¹ **Pratt & Whitney**

Engine Type Designation¹ **PW4168A, PW4168A-1D**

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

Engine intermix, PW4168A engine with either kevlar front and aft fan containment case and new intermediate fan case (mod. 54304) or part "Advantage 70" performance kit (mod. 57227), PW4168A-1D (PW4170 engine with mod. 58344 or PW4168A engine with mod. 58956)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A15400	058	238,000	182,000	98.2	101.1	93.4	98.2	98.5	104.4	-
A15401	057	236,000	182,000	98.2	101.1	93.1	98.2	98.5	104.4	-
A15402	022	233,000	182,000	98.3	101.0	92.7	98.1	98.5	104.4	-
A15403	052	233,000	182,000	98.3	101.0	92.7	98.1	98.5	104.4	-
A15404	023	233,000	180,000	98.3	101.0	92.7	98.1	98.4	104.4	-
A15405	056	233,000	180,000	98.3	101.0	92.7	98.1	98.4	104.4	-
A15406	021	230,000	182,000	98.3	101.0	92.3	98.0	98.5	104.3	-
A15407	054	230,000	182,000	98.3	101.0	92.3	98.0	98.5	104.3	-
A15414	061	230,000	182,000	98.3	101.0	92.3	98.0	98.5	104.3	-
A15408	020	230,000	180,000	98.3	101.0	92.3	98.0	98.4	104.3	-

¹ See Note 1.

/continued over page

Type Certificate Holder¹ **Airbus**

Aircraft Type Designation¹ **A330-223**

Engine Manufacturer¹ **Pratt & Whitney**

Engine Type Designation¹ **PW4168A, PW4168A-1D**

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

Engine intermix, PW4168A engine with either kevlar front and aft fan containment case and new intermediate fan case (mod. 54304) or part "Advantage 70" performance kit (mod. 57227), PW4168A-1D (PW4170 engine with mod. 58344 or PW4168A engine with mod. 58956)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A15409	050	230,000	180,000	98.3	101.0	92.3	98.0	98.4	104.3	-
A15410	060	220,000	182,000	98.4	100.8	90.9	97.8	98.5	104.2	-
A15411	059	202,000	182,000	98.7	100.5	88.6	97.3	98.5	103.9	-
A15412	055	192,000	182,000	98.8	100.3	87.3	97.0	98.5	103.7	-

¹ See Note 1.

Type Certificate Holder¹ **Airbus** Aircraft Type Designation¹ **A330-223**

Engine Manufacturer¹ **Pratt & Whitney** Engine Type Designation¹ **PW4168A-1D**

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 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A10742	058	238,000	182,000	98.2	101.1	93.4	98.2	98.5	104.4	2
A10743	057	236,000	182,000	98.2	101.1	93.1	98.2	98.5	104.4	2
A10744	022	233,000	182,000	98.3	101.0	92.7	98.1	98.5	104.4	2
A10745	052	233,000	182,000	98.3	101.0	92.7	98.1	98.5	104.4	2
A10746	023	233,000	180,000	98.3	101.0	92.7	98.1	98.4	104.4	2
A10747	056	233,000	180,000	98.3	101.0	92.7	98.1	98.4	104.4	2
A10748	054	230,000	182,000	98.3	101.0	92.3	98.0	98.5	104.3	2
A10749	021	230,000	182,000	98.3	101.0	92.3	98.0	98.5	104.3	2
A15413	061	230,000	182,000	98.3	101.0	92.3	98.0	98.5	104.3	2
A10750	020	230,000	180,000	98.3	101.0	92.3	98.0	98.4	104.3	2

¹ See Note 1.

/continued over page

Type Certificate Holder¹ **Airbus** Aircraft Type Designation¹ **A330-223**

Engine Manufacturer¹ **Pratt & Whitney** Engine Type Designation¹ **PW4168A-1D**

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 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A10751	050	230,000	180,000	98.3	101.0	92.3	98.0	98.4	104.3	2
A10753	060	220,000	182,000	98.4	100.8	90.9	97.8	98.5	104.2	2
A10754	059	202,000	182,000	98.7	100.5	88.6	97.3	98.5	103.9	2
A10755	055	192,000	182,000	98.8	100.3	87.3	97.0	98.5	103.7	2

¹ See Note 1.

Type Certificate Holder¹ **Airbus** Aircraft Type Designation¹ **A330-223**

Engine Manufacturer¹ **Pratt & Whitney** Engine Type Designation¹ **PW4170**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **57168 or 58327 ("Advantage 70" performance kit)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A10739	058	238,000	182,000	98.6	101.1	92.7	98.2	98.5	104.4	-
A10738	057	236,000	182,000	98.6	101.1	92.4	98.2	98.5	104.4	-
A10736	022	233,000	182,000	98.7	101.0	92.1	98.1	98.5	104.4	-
A10737	052	233,000	182,000	98.7	101.0	92.1	98.1	98.5	104.4	-
A10734	056	233,000	180,000	98.7	101.0	92.1	98.1	98.4	104.4	-
A10735	023	233,000	180,000	98.7	101.0	92.1	98.1	98.4	104.4	-
A10732	021	230,000	182,000	98.7	101.0	91.7	98.0	98.5	104.3	-
A10733	054	230,000	182,000	98.7	101.0	91.7	98.0	98.5	104.3	-
A15161	061	230,000	182,000	98.7	101.0	91.7	98.0	98.5	104.3	-
A10730	050	230,000	180,000	98.7	101.0	91.7	98.0	98.4	104.3	-

¹ See Note 1.

/continued over page

Type Certificate Holder¹ **Airbus** Aircraft Type Designation¹ **A330-223**

Engine Manufacturer¹ **Pratt & Whitney** Engine Type Designation¹ **PW4170**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **57168 or 58327 ("Advantage 70" performance kit)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A10731	020	230,000	180,000	98.7	101.0	91.7	98.0	98.4	104.3	-
A10728	060	220,000	182,000	98.8	100.8	90.4	97.8	98.5	104.2	-
A10727	059	202,000	182,000	99.1	100.5	88.1	97.3	98.5	103.9	-
A10726	055	192,000	182,000	99.2	100.3	86.8	97.0	98.5	103.7	-

¹ See Note 1.

Type Certificate Holder¹ **Airbus** Aircraft Type Designation¹ **A330-223F**

Engine Manufacturer¹ **Pratt & Whitney** Engine Type Designation¹ **PW4170**

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 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A15448	002	233,000	187,000	98.7	101.0	92.1	98.1	98.8	104.4	-
A14212	000	233,000	182,000	98.7	101.0	92.1	98.1	98.6	104.4	-
A14213	001	227,000	187,000	98.7	100.9	91.3	98.0	98.8	104.3	-

¹ See Note 1.

Type Certificate Holder¹ **Airbus** Aircraft Type Designation¹ **A330-243**
 Engine Manufacturer¹ **Rolls-Royce** Engine Type Designation¹ **Trent 772-60**
 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 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A8039	058	238,000	182,000	97.4	101.1	91.3	98.2	96.9	104.4	-
A8038	057	236,000	182,000	97.4	101.1	91.1	98.2	96.9	104.4	-
A1090	022	233,000	182,000	97.4	101.0	90.7	98.1	96.9	104.4	-
A1091	052	233,000	182,000	97.4	101.0	90.7	98.1	96.9	104.4	-
A1092	023	233,000	180,000	97.4	101.0	90.7	98.1	96.8	104.4	-
A8037	056	233,000	180,000	97.4	101.0	90.7	98.1	96.8	104.4	-
A1093	021	230,000	182,000	97.5	101.0	90.2	98.0	96.9	104.3	-
A10789	054	230,000	182,000	97.5	101.0	90.2	98.0	96.9	104.3	-
A15076	061	230,000	182,000	97.5	101.0	90.2	98.0	96.9	104.3	-
A1094	020	230,000	180,000	97.5	101.0	90.2	98.0	96.8	104.3	-

¹ See Note 1.

/continued over page

Type Certificate Holder¹ **Airbus** Aircraft Type Designation¹ **A330-243**

Engine Manufacturer¹ **Rolls-Royce** Engine Type Designation¹ **Trent 772-60**

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

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A15078	058	238,000	182,000	97.4	101.1	91.3	98.2	96.9	104.4	-
A15079	057	236,000	182,000	97.4	101.1	91.1	98.2	96.9	104.4	-
A15080	022	233,000	182,000	97.4	101.0	90.7	98.1	96.9	104.4	-
A15081	052	233,000	182,000	97.4	101.0	90.7	98.1	96.9	104.4	-
A15082	023	233,000	180,000	97.4	101.0	90.7	98.1	96.8	104.4	-
A15083	056	233,000	180,000	97.4	101.0	90.7	98.1	96.8	104.4	-
A15084	021	230,000	182,000	97.5	101.0	90.2	98.0	96.9	104.3	-
A15085	054	230,000	182,000	97.5	101.0	90.2	98.0	96.9	104.3	-
A15086	061	230,000	182,000	97.5	101.0	90.2	98.0	96.9	104.3	-
A15087	020	230,000	180,000	97.5	101.0	90.2	98.0	96.8	104.3	-

¹ See Note 1.

/continued over page

Type Certificate Holder¹ **Airbus** Aircraft Type Designation¹ **A330-243**
 Engine Manufacturer¹ **Rolls-Royce** Engine Type Designation¹ **Trent 772-60**

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

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A15088	050	230,000	180,000	97.5	101.0	90.2	98.0	96.8	104.3	-
A15089	025	220,000	182,000	97.6	100.8	88.9	97.8	96.9	104.2	-
A15090	060	220,000	182,000	97.6	100.8	88.9	97.8	96.9	104.2	-
A15091	027	220,000	180,000	97.6	100.8	88.9	97.8	96.8	104.2	-
A15092	059	202,000	182,000	97.9	100.5	86.6	97.3	96.9	103.9	-
A15093	024	202,000	180,000	97.9	100.5	86.6	97.3	96.8	103.9	-
A15094	055	192,000	182,000	98.1	100.3	85.4	97.0	96.9	103.7	-
A15095	026	192,000	180,000	98.1	100.3	85.4	97.0	96.8	103.7	-

¹ See Note 1.

Type Certificate Holder¹ **Airbus** Aircraft Type Designation¹ **A330-243**
 Engine Manufacturer¹ **Rolls-Royce** Engine Type Designation¹ **Trent 772B-60**
 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 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A851	050	230,000	180,000	97.5	101.0	90.2	98.0	96.8	104.3	-
A850	025	220,000	182,000	97.6	100.8	88.9	97.8	96.9	104.2	-
A8057	060	220,000	182,000	97.6	100.8	88.9	97.8	96.9	104.2	-
A8051	027	220,000	180,000	97.6	100.8	88.9	97.8	96.8	104.2	-
A8056	059	202,000	182,000	97.9	100.5	86.6	97.3	96.9	103.9	-
A849	024	202,000	180,000	97.9	100.5	86.6	97.3	96.8	103.9	-
A8052	055	192,000	182,000	98.1	100.3	85.4	97.0	96.9	103.7	-
A8050	026	192,000	180,000	98.1	100.3	85.4	97.0	96.8	103.7	-

¹ See Note 1.

Type Certificate Holder¹ **Airbus** Aircraft Type Designation¹ **A330-243**
 Engine Manufacturer¹ **Rolls-Royce** Engine Type Designation¹ **Trent 772B-60**

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

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A15096	058	238,000	182,000	97.4	101.1	91.3	98.2	96.9	104.4	-
A15097	057	236,000	182,000	97.4	101.1	91.1	98.2	96.9	104.4	-
A15098	022	233,000	182,000	97.4	101.0	90.7	98.1	96.9	104.4	-
A15099	052	233,000	182,000	97.4	101.0	90.7	98.1	96.9	104.4	-
A15100	023	233,000	180,000	97.4	101.0	90.7	98.1	96.8	104.4	-
A15101	056	233,000	180,000	97.4	101.0	90.7	98.1	96.8	104.4	-
A15102	021	230,000	182,000	97.5	101.0	90.2	98.0	96.9	104.3	-
A15103	054	230,000	182,000	97.5	101.0	90.2	98.0	96.9	104.3	-
A15104	061	230,000	182,000	97.5	101.0	90.2	98.0	96.9	104.3	-
A15105	020	230,000	180,000	97.5	101.0	90.2	98.0	96.8	104.3	-

¹ See Note 1.

/continued over page

Type Certificate Holder ¹	Airbus	Aircraft Type Designation ¹	A330-243
Engine Manufacturer ¹	Rolls-Royce	Engine Type Designation ¹	Trent 772B-60
Additional modifications essential to meet the requirements or needed to attain the certificated noise levels ¹		EP Package	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 5 / Amendment 9
		Chapter ¹	4

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A15106	050	230,000	180,000	97.5	101.0	90.2	98.0	96.8	104.3	-
A15107	025	220,000	182,000	97.6	100.8	88.9	97.8	96.9	104.2	-
A15108	060	220,000	182,000	97.6	100.8	88.9	97.8	96.9	104.2	-
A15109	027	220,000	180,000	97.6	100.8	88.9	97.8	96.8	104.2	-
A15110	059	202,000	182,000	97.9	100.5	86.6	97.3	96.9	103.9	-
A15111	024	202,000	180,000	97.9	100.5	86.6	97.3	96.8	103.9	-
A15112	055	192,000	182,000	98.1	100.3	85.4	97.0	96.9	103.7	-
A15113	026	192,000	180,000	98.1	100.3	85.4	97.0	96.8	103.7	-

¹ See Note 1.

Type Certificate Holder¹ **Airbus** Aircraft Type Designation¹ **A330-243**
 Engine Manufacturer¹ **Rolls-Royce** Engine Type Designation¹ **Trent 772C-60**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **54940 (Increased hot and high rating)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A8071	058	238,000	182,000	97.4	101.1	91.3	98.2	96.9	104.4	-
A8070	057	236,000	182,000	97.4	101.1	91.1	98.2	96.9	104.4	-
A6653	022	233,000	182,000	97.4	101.0	90.7	98.1	96.9	104.4	-
A6654	052	233,000	182,000	97.4	101.0	90.7	98.1	96.9	104.4	-
A6655	023	233,000	180,000	97.4	101.0	90.7	98.1	96.8	104.4	-
A8069	056	233,000	180,000	97.4	101.0	90.7	98.1	96.8	104.4	-
A6656	021	230,000	182,000	97.5	101.0	90.2	98.0	96.9	104.3	-
A10790	054	230,000	182,000	97.5	101.0	90.2	98.0	96.9	104.3	-
A15114	061	230,000	182,000	97.5	101.0	90.2	98.0	96.9	104.3	-
A6657	020	230,000	180,000	97.5	101.0	90.2	98.0	96.8	104.3	-

¹ See Note 1.

/continued over page

Type Certificate Holder¹ **Airbus** Aircraft Type Designation¹ **A330-243**

Engine Manufacturer¹ **Rolls-Royce** Engine Type Designation¹ **Trent 772C-60**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **54940 (Increased hot and high rating)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A6658	050	230,000	180,000	97.5	101.0	90.2	98.0	96.8	104.3	-
A6659	025	220,000	182,000	97.6	100.8	88.9	97.8	96.9	104.2	-
A8073	060	220,000	182,000	97.6	100.8	88.9	97.8	96.9	104.2	-
A8067	027	220,000	180,000	97.6	100.8	88.9	97.8	96.8	104.2	-
A8072	059	202,000	182,000	97.9	100.5	86.6	97.3	96.9	103.9	-
A6660	024	202,000	180,000	97.9	100.5	86.6	97.3	96.8	103.9	-
A8068	055	192,000	182,000	98.1	100.3	85.4	97.0	96.9	103.7	-
A8066	026	192,000	180,000	98.1	100.3	85.4	97.0	96.8	103.7	-

¹ See Note 1.

Type Certificate Holder¹ **Airbus** Aircraft Type Designation¹ **A330-243**

Engine Manufacturer¹ **Rolls-Royce** Engine Type Designation¹ **Trent 772C-60**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **54940 (Increased hot and high rating, EP package)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A15115	058	238,000	182,000	97.4	101.1	91.3	98.2	96.9	104.4	-
A15116	057	236,000	182,000	97.4	101.1	91.1	98.2	96.9	104.4	-
A15117	022	233,000	182,000	97.4	101.0	90.7	98.1	96.9	104.4	-
A15118	052	233,000	182,000	97.4	101.0	90.7	98.1	96.9	104.4	-
A15119	023	233,000	180,000	97.4	101.0	90.7	98.1	96.8	104.4	-
A15120	056	233,000	180,000	97.4	101.0	90.7	98.1	96.8	104.4	-
A15121	021	230,000	182,000	97.5	101.0	90.2	98.0	96.9	104.3	-
A15122	054	230,000	182,000	97.5	101.0	90.2	98.0	96.9	104.3	-
A15123	061	230,000	182,000	97.5	101.0	90.2	98.0	96.9	104.3	-
A15124	020	230,000	180,000	97.5	101.0	90.2	98.0	96.8	104.3	-

¹ See Note 1.

/continued over page

Type Certificate Holder¹ **Airbus** Aircraft Type Designation¹ **A330-243**

Engine Manufacturer¹ **Rolls-Royce** Engine Type Designation¹ **Trent 772C-60**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **54940 (Increased hot and high rating, EP package)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A15125	050	230,000	180,000	97.5	101.0	90.2	98.0	96.8	104.3	-
A15126	025	220,000	182,000	97.6	100.8	88.9	97.8	96.9	104.2	-
A15127	060	220,000	182,000	97.6	100.8	88.9	97.8	96.9	104.2	-
A15128	027	220,000	180,000	97.6	100.8	88.9	97.8	96.8	104.2	-
A15129	059	202,000	182,000	97.9	100.5	86.6	97.3	96.9	103.9	-
A15130	024	202,000	180,000	97.9	100.5	86.6	97.3	96.8	103.9	-
A15131	055	192,000	182,000	98.1	100.3	85.4	97.0	96.9	103.7	-
A15132	026	192,000	180,000	98.1	100.3	85.4	97.0	96.8	103.7	-

¹ See Note 1.

Type Certificate Holder¹ **Airbus** Aircraft Type Designation¹ **A330-243F**
 Engine Manufacturer¹ **Rolls-Royce** Engine Type Designation¹ **Trent 772B-60**
 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 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A14204	000	233,000	182,000	97.4	101.0	90.7	98.1	97.0	104.4	-
A14208	001	227,000	187,000	97.5	100.9	89.8	98.0	97.1	104.3	-

¹ See Note 1.

Type Certificate Holder¹ **Airbus** Aircraft Type Designation¹ **A330-243F**
Engine Manufacturer¹ **Rolls-Royce** Engine Type Designation¹ **Trent 772B-60**
Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **EP Package**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A14205	000	233,000	182,000	97.4	101.0	90.7	98.1	97.0	104.4	-
A14209	001	227,000	187,000	97.5	100.9	89.8	98.0	97.1	104.3	-

¹ See Note 1.

Type Certificate Holder¹ **Airbus** Aircraft Type Designation¹ **A330-301**

Engine Manufacturer¹ **General Electric** Engine Type Designation¹ **CF6-80E1A2**

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

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A15142	010	217,000	179,000	97.6	100.8	91.6	97.7	98.9	104.1	-
A15143	003	215,000	177,000	97.6	100.7	91.4	97.6	98.8	104.1	-
A15144	004	215,000	177,000	97.6	100.7	91.4	97.6	98.8	104.1	-
A15145	051	212,000	187,000	97.7	100.7	91.0	97.6	99.1	104.1	-
A15146	002	212,000	177,000	97.7	100.7	91.0	97.6	98.8	104.1	-
A15147	000	212,000	174,000	97.7	100.7	91.0	97.6	98.8	104.1	-
A15148	001	184,000	174,000	98.1	100.1	87.4	96.7	98.8	103.6	-

¹ See Note 1.

Type Certificate Holder¹ **Airbus** Aircraft Type Designation¹ **A330-302**

Engine Manufacturer¹ **General Electric** Engine Type Designation¹ **CF6-80E1A4**

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 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A16531	054	235,000	187,000	99.0	101.0	92.7	98.2	99.1	104.4	-
A6580	052	233,000	187,000	99.0	101.0	92.5	98.1	99.1	104.4	-
A6579	050	230,000	185,000	99.1	101.0	92.1	98.0	99.1	104.3	-
A6577	053	205,000	185,000	99.4	100.5	88.9	97.4	99.1	103.9	-

¹ See Note 1.

Type Certificate Holder¹ **Airbus** Aircraft Type Designation¹ **A330-302**
 Engine Manufacturer¹ **General Electric** Engine Type Designation¹ **CF6-80E1A4/B**
 Additional modifications essential to meet the requirements or needed to attain
 the certificated noise levels¹ **52776 (Thrust bump)**
 Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A6706	052	233,000	187,000	99.6	101.0	92.1	98.1	99.1	104.4	-
A6708	050	230,000	185,000	99.7	101.0	91.8	98.0	99.1	104.3	-
A8082	053	205,000	185,000	100.1	100.5	88.7	97.4	99.1	103.9	-

¹ See Note 1.

Type Certificate Holder¹ **Airbus** Aircraft Type Designation¹ **A330-303**
 Engine Manufacturer¹ **General Electric** Engine Type Designation¹ **CF6-80E1A3**
 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 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A16522	054	235,000	187,000	99.6	101.0	92.4	98.2	99.1	104.4	-
A5625	052	233,000	187,000	99.6	101.0	92.1	98.1	99.1	104.4	-
A5624	050	230,000	185,000	99.7	101.0	91.8	98.0	99.1	104.3	-

¹ See Note 1.

Type Certificate Holder¹ **Airbus** Aircraft Type Designation¹ **A330-303**

Engine Manufacturer¹ **General Electric** Engine Type Designation¹ **CF6-80E1A4/B**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **52776 (Thrust bump)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A16524	054	235,000	187,000	99.6	101.0	92.4	98.2	99.1	104.4	-

¹ See Note 1.

Type Certificate Holder¹ **Airbus** Aircraft Type Designation¹ **A330-321**

Engine Manufacturer¹ **Pratt & Whitney** Engine Type Designation¹ **PW4164**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **57227, 54304 ("Advantage 70" performance kit (part only), kevlar front and aft fan containment case and new intermediate fan case)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A16020	012	218,000	182,000	97.2	100.8	91.7	97.7	98.4	104.2	4
A16021	010	217,000	179,000	97.3	100.8	91.6	97.7	98.3	104.1	4
A16022	003	215,000	177,000	97.3	100.7	91.3	97.6	98.3	104.1	4
A16023	004	215,000	177,000	97.3	100.7	91.3	97.6	98.3	104.1	4
A16024	013	215,000	177,000	97.3	100.7	91.3	97.6	98.3	104.1	4
A16025	002	212,000	177,000	97.3	100.7	90.9	97.6	98.3	104.1	4
A16026	011	212,000	177,000	97.3	100.7	90.9	97.6	98.3	104.1	4
A16027	000	212,000	174,000	97.3	100.7	90.9	97.6	98.1	104.1	4

¹ See Note 1.

Type Certificate Holder¹ **Airbus** Aircraft Type Designation¹ **A330-321**

Engine Manufacturer¹ **Pratt & Whitney** Engine Type Designation¹ **PW4164**

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 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A2912	012	218,000	182,000	97.8	100.8	93.6	97.7	98.1	104.2	-
A2913	010	217,000	179,000	97.8	100.8	93.5	97.7	98.0	104.1	-
A2914	003	215,000	177,000	97.8	100.7	93.2	97.6	97.9	104.1	-
A2915	004	215,000	177,000	97.8	100.7	93.2	97.6	97.9	104.1	-
A2916	013	215,000	177,000	97.9	100.7	93.2	97.6	97.9	104.1	-
A2917	002	212,000	177,000	97.9	100.7	92.7	97.6	97.9	104.1	-
A2918	011	212,000	177,000	97.9	100.7	92.7	97.6	97.9	104.1	-
A2919	000	212,000	174,000	97.9	100.7	92.7	97.6	97.7	104.1	-

¹ See Note 1.

Type Certificate Holder¹ **Airbus** Aircraft Type Designation¹ **A330-321**

Engine Manufacturer¹ **Pratt & Whitney** Engine Type Designation¹ **PW4164**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **45617, 46313 (Installation of GB2C fan blades, new fan case design)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A2904	012	218,000	182,000	97.8	100.8	92.1	97.7	98.1	104.2	-
A2905	010	217,000	179,000	97.8	100.8	92.0	97.7	98.0	104.1	-
A2906	003	215,000	177,000	97.8	100.7	91.7	97.6	97.9	104.1	-
A2907	004	215,000	177,000	97.8	100.7	91.7	97.6	97.9	104.1	-
A2908	013	215,000	177,000	97.8	100.7	91.7	97.6	97.9	104.1	-
A2909	002	212,000	177,000	97.9	100.7	91.3	97.6	97.9	104.1	-
A2910	011	212,000	177,000	97.9	100.7	91.3	97.6	97.9	104.1	-
A2911	000	212,000	174,000	97.9	100.7	91.3	97.6	97.8	104.1	-

¹ See Note 1.

Type Certificate Holder¹ **Airbus** Aircraft Type Designation¹ **A330-321**

Engine Manufacturer¹ **Pratt & Whitney** Engine Type Designation¹ **PW4164**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **45617, 46313, 54304 (47218, 47277) (Installation of GB2C fan blades, new fan case design, kevlar front and aft fan containment case, new intermediate fan case design)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A7022	012	218,000	182,000	97.2	100.8	91.7	97.7	98.1	104.2	-
A7021	010	217,000	179,000	97.2	100.8	91.6	97.7	98.0	104.1	-
A7018	003	215,000	177,000	97.2	100.7	91.3	97.6	98.0	104.1	-
A7019	004	215,000	177,000	97.2	100.7	91.3	97.6	98.0	104.1	-
A7020	013	215,000	177,000	97.2	100.7	91.3	97.6	98.0	104.1	-
A7016	002	212,000	177,000	97.3	100.7	90.9	97.6	98.0	104.1	-
A7017	011	212,000	177,000	97.3	100.7	90.9	97.6	98.0	104.1	-
A7015	000	212,000	174,000	97.3	100.7	90.9	97.6	97.8	104.1	-

¹ See Note 1.

Type Certificate Holder¹ **Airbus** Aircraft Type Designation¹ **A330-321**

Engine Manufacturer¹ **Pratt & Whitney** Engine Type Designation¹ **PW4164**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **45617, 46313, 47277 (Installation of GB2C fan blades, new fan case design, new intermediate fan case design)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A2896	012	218,000	182,000	97.8	100.8	92.1	97.7	98.1	104.2	-
A2897	010	217,000	179,000	97.8	100.8	92.0	97.7	98.0	104.1	-
A2898	003	215,000	177,000	97.8	100.7	91.7	97.6	97.9	104.1	-
A2899	004	215,000	177,000	97.8	100.7	91.7	97.6	97.9	104.1	-
A2900	013	215,000	177,000	97.8	100.7	91.7	97.6	97.9	104.1	-
A2901	002	212,000	177,000	97.9	100.7	91.3	97.6	97.9	104.1	-
A2902	011	212,000	177,000	97.9	100.7	91.3	97.6	97.9	104.1	-
A2903	000	212,000	174,000	97.9	100.7	91.3	97.6	97.8	104.1	-

¹ See Note 1.

Type Certificate Holder¹ **Airbus** Aircraft Type Designation¹ **A330-321**
Engine Manufacturer¹ **Pratt & Whitney** Engine Type Designation¹ **PW4164**

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

Engine intermix, one engine with titanium fan containment case and GB2 fan blades, one engine with GB2C fan blades (mod. 45617), new fan case design (mod. 46313), with or without kevlar front and aft containment case (mod. 47218), with or without new intermediate fan case design (mod. 47277)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A15522	012	218,000	182,000	97.8	100.8	93.6	97.7	98.1	104.2	-
A15523	010	217,000	179,000	97.8	100.8	93.5	97.7	98.0	104.1	-
A15524	003	215,000	177,000	97.8	100.7	93.2	97.6	98.0	104.1	-
A15525	004	215,000	177,000	97.8	100.7	93.2	97.6	98.0	104.1	-
A15526	013	215,000	177,000	97.8	100.7	93.2	97.6	98.0	104.1	-
A15527	002	212,000	177,000	97.9	100.7	92.7	97.6	98.0	104.1	-
A15528	011	212,000	177,000	97.9	100.7	92.7	97.6	98.0	104.1	-
A15529	000	212,000	174,000	97.9	100.7	92.7	97.6	97.8	104.1	-

¹ See Note 1.

Type Certificate Holder¹ **Airbus** Aircraft Type Designation¹ **A330-321**

Engine Manufacturer¹ **Pratt & Whitney** Engine Type Designation¹ **PW4164**

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

Engine intermix, one engine with titanium fan containment case, GB2C fan blades (mod. 45617) and new fan case design (mod. 46313), one engine with kevlar front and aft containment case (mod. 47218), GB2C fan blades (mod. 45617), new fan case design (mod. 46313), with or without new intermediate fan case design (mod. 47277))

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A15531	012	218,000	182,000	97.8	100.8	93.6	97.7	98.1	104.2	-
A15532	010	217,000	179,000	97.8	100.8	93.5	97.7	98.0	104.1	-
A15533	003	215,000	177,000	97.8	100.7	93.2	97.6	98.0	104.1	-
A15534	004	215,000	177,000	97.8	100.7	93.2	97.6	98.0	104.1	-
A15535	013	215,000	177,000	97.8	100.7	93.2	97.6	98.0	104.1	-
A15536	002	212,000	177,000	97.9	100.7	92.7	97.6	98.0	104.1	-
A15537	011	212,000	177,000	97.9	100.7	92.7	97.6	98.0	104.1	-
A15538	000	212,000	174,000	97.9	100.7	92.7	97.6	97.8	104.1	-

¹ See Note 1.

Type Certificate Holder¹ **Airbus** Aircraft Type Designation¹ **A330-321**

Engine Manufacturer¹ **Pratt & Whitney** Engine Type Designation¹ **PW4164**

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

Engine intermix, one engine with titanium fan containment case, GB2C fan blades (mod. 45617), new fan case design (mod. 46313) and new intermediate fan case design (mod. 47277), one engine with kevlar front and aft containment case (mod. 47218), GB2C fan blades (mod. 45617), new fan case design (mod. 46313), with or without new intermediate fan case design (mod. 47277)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A15540	012	218,000	182,000	97.8	100.8	93.6	97.7	98.1	104.2	-
A15541	010	217,000	179,000	97.8	100.8	93.5	97.7	98.0	104.1	-
A15542	003	215,000	177,000	97.8	100.7	93.2	97.6	98.0	104.1	-
A15543	004	215,000	177,000	97.8	100.7	93.2	97.6	98.0	104.1	-
A15544	013	215,000	177,000	97.8	100.7	93.2	97.6	98.0	104.1	-
A15545	002	212,000	177,000	97.9	100.7	92.7	97.6	98.0	104.1	-
A15546	011	212,000	177,000	97.9	100.7	92.7	97.6	98.0	104.1	-
A15547	000	212,000	174,000	97.9	100.7	92.7	97.6	97.8	104.1	-

¹ See Note 1.

Type Certificate Holder¹ **Airbus** Aircraft Type Designation¹ **A330-321**

Engine Manufacturer¹ **Pratt & Whitney** Engine Type Designation¹ **PW4164**

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

201487 (Engine intermix, one engine with part "Advantage 70" performance kit (mod. 57227), one engine with titanium fan containment case and either GB2 fan blades, or GB2C fan blades (mod. 45617) and new fan case (mod. 46313) with or without new intermediate fan case (mod. 47277))

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A16132	012	218,000	182,000	97.8	100.8	93.6	97.7	98.4	104.2	-
A16133	010	217,000	179,000	97.8	100.8	93.5	97.7	98.3	104.1	-
A16134	003	215,000	177,000	97.8	100.7	93.2	97.6	98.3	104.1	-
A16135	004	215,000	177,000	97.8	100.7	93.2	97.6	98.3	104.1	-
A16136	013	215,000	177,000	97.8	100.7	93.2	97.6	98.3	104.1	-
A16137	002	212,000	177,000	97.9	100.7	92.7	97.6	98.3	104.1	-
A16138	011	212,000	177,000	97.9	100.7	92.7	97.6	98.3	104.1	-
A16139	000	212,000	174,000	97.9	100.7	92.7	97.6	98.1	104.1	-

¹ See Note 1.

Type Certificate Holder¹ **Airbus** Aircraft Type Designation¹ **A330-321**
Engine Manufacturer¹ **Pratt & Whitney** Engine Type Designation¹ **PW4164**

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

Engine intermix, one engine with kevlar front and aft fan containment case and new intermediate fan case (mod. 54304), one engine with kevlar front and aft fan containment case and new intermediate fan case (mod. 54304) and part "Advantage 70" performance kit (mod. 57227)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A16038	012	218,000	182,000	97.2	100.8	91.7	97.7	98.4	104.2	-
A16039	010	217,000	179,000	97.3	100.8	91.6	97.7	98.3	104.1	-
A16040	003	215,000	177,000	97.3	100.7	91.3	97.6	98.3	104.1	-
A16041	004	215,000	177,000	97.3	100.7	91.3	97.6	98.3	104.1	-
A16042	013	215,000	177,000	97.3	100.7	91.3	97.6	98.3	104.1	-
A16043	002	212,000	177,000	97.3	100.7	90.9	97.6	98.3	104.1	-
A16044	011	212,000	177,000	97.3	100.7	90.9	97.6	98.3	104.1	-
A16045	000	212,000	174,000	97.3	100.7	90.9	97.6	98.1	104.1	-

¹ See Note 1.

Type Certificate Holder¹ **Airbus**

Aircraft Type Designation¹ **A330-321**

Engine Manufacturer¹ **Pratt & Whitney**

Engine Type Designation¹ **PW4164, PW4164-1D**

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

201487 (Engine intermix, PW4164 engine with titanium fan containment case and either GB2 fan blades, or GB2C fan blades (mod. 45617) and new fan case (mod. 46313) with or without new intermediate fan case (mod. 47277), PW4164-1D (PW4164 engine with "Advantage 70" performance kit (mod. 58777))

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A16123	012	218,000	182,000	97.8	100.8	93.6	97.7	98.4	104.2	-
A16124	010	217,000	179,000	97.8	100.8	93.5	97.7	98.3	104.1	-
A16125	003	215,000	177,000	97.8	100.7	93.2	97.6	98.3	104.1	-
A16126	004	215,000	177,000	97.8	100.7	93.2	97.6	98.3	104.1	-
A16127	013	215,000	177,000	97.8	100.7	93.2	97.6	98.3	104.1	-
A16128	002	212,000	177,000	97.9	100.7	92.7	97.6	98.3	104.1	-
A16129	011	212,000	177,000	97.9	100.7	92.7	97.6	98.3	104.1	-
A16130	000	212,000	174,000	97.9	100.7	92.7	97.6	98.1	104.1	-

¹ See Note 1.

Type Certificate Holder¹ **Airbus**

Aircraft Type Designation¹ **A330-321**

Engine Manufacturer¹ **Pratt & Whitney**

Engine Type Designation¹ **PW4164, PW4164-1D**

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

Engine intermix, PW4164 with kevlar front and aft fan containment case and new intermediate fan case (mod. 54304), with or without part "Advantage 70" performance kit (mod. 57227), PW4164-D (PW4164 with kevlar front and aft fan containment case and new intermediate fan case (mod. 54304) and "Advantage 70" performance kit (mod. 58777)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A16029	012	218,000	182,000	97.2	100.8	91.7	97.7	98.4	104.2	-
A16030	010	217,000	179,000	97.3	100.8	91.6	97.7	98.3	104.1	-
A16031	003	215,000	177,000	97.3	100.7	91.3	97.6	98.3	104.1	-
A16032	004	215,000	177,000	97.3	100.7	91.3	97.6	98.3	104.1	-
A16033	013	215,000	177,000	97.3	100.7	91.3	97.6	98.3	104.1	-
A16034	002	212,000	177,000	97.3	100.7	90.9	97.6	98.3	104.1	-
A16035	011	212,000	177,000	97.3	100.7	90.9	97.6	98.3	104.1	-
A16036	000	212,000	174,000	97.3	100.7	90.9	97.6	98.1	104.1	-

¹ See Note 1.

Type Certificate Holder¹ **Airbus** Aircraft Type Designation¹ **A330-321**

Engine Manufacturer¹ **Pratt & Whitney** Engine Type Designation¹ **PW4164-1D**

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 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A16011	012	218,000	182,000	97.2	100.8	91.7	97.7	98.4	104.2	3
A16012	010	217,000	179,000	97.3	100.8	91.6	97.7	98.3	104.1	3
A16013	003	215,000	177,000	97.3	100.7	91.3	97.6	98.3	104.1	3
A16014	004	215,000	177,000	97.3	100.7	91.3	97.6	98.3	104.1	3
A16015	013	215,000	177,000	97.3	100.7	91.3	97.6	98.3	104.1	3
A16016	002	212,000	177,000	97.3	100.7	90.9	97.6	98.3	104.1	3
A16017	011	212,000	177,000	97.3	100.7	90.9	97.6	98.3	104.1	3
A16018	000	212,000	174,000	97.3	100.7	90.9	97.6	98.1	104.1	3

¹ See Note 1.

Type Certificate Holder¹ **Airbus** Aircraft Type Designation¹ **A330-322**

Engine Manufacturer¹ **Pratt & Whitney** Engine Type Designation¹ **PW4168**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **57227, 54304 ("Advantage 70" performance kit (part only), kevlar front and aft fan containment case and new intermediate fan case)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A16056	012	218,000	182,000	98.2	100.8	91.0	97.7	98.4	104.2	4
A16057	010	217,000	179,000	98.2	100.8	90.9	97.7	98.3	104.1	4
A16058	003	215,000	177,000	98.2	100.7	90.6	97.6	98.3	104.1	4
A16059	004	215,000	177,000	98.2	100.7	90.6	97.6	98.3	104.1	4
A16060	013	215,000	177,000	98.2	100.7	90.6	97.6	98.3	104.1	4
A16061	002	212,000	177,000	98.3	100.7	90.2	97.6	98.3	104.1	4
A16062	011	212,000	177,000	98.3	100.7	90.2	97.6	98.3	104.1	4
A16063	000	212,000	174,000	98.3	100.7	90.2	97.6	98.1	104.1	4

¹ See Note 1.

Type Certificate Holder¹ **Airbus** Aircraft Type Designation¹ **A330-322**

Engine Manufacturer¹ **Pratt & Whitney** Engine Type Designation¹ **PW4168**

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 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A2940	012	218,000	182,000	98.4	100.8	92.6	97.7	98.1	104.2	-
A2925	010	217,000	179,000	98.4	100.8	92.4	97.7	98.0	104.1	-
A2943	003	215,000	177,000	98.5	100.7	92.2	97.6	97.9	104.1	-
A2949	013	215,000	177,000	98.5	100.7	92.2	97.6	97.9	104.1	-
A2951	004	215,000	177,000	98.5	100.7	92.2	97.6	97.9	104.1	-
A2938	011	212,000	177,000	98.5	100.7	91.7	97.6	97.9	104.1	-
A2942	002	212,000	177,000	98.5	100.7	91.7	97.6	97.9	104.1	-
A2927	000	212,000	174,000	98.5	100.7	91.7	97.6	97.7	104.1	-

¹ See Note 1.

Type Certificate Holder¹ **Airbus** Aircraft Type Designation¹ **A330-322**

Engine Manufacturer¹ **Pratt & Whitney** Engine Type Designation¹ **PW4168**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **45617, 46313 (Installation of GB2C fan blades, new fan case design)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A2936	012	218,000	182,000	98.7	100.8	91.2	97.7	98.1	104.2	-
A2923	010	217,000	179,000	98.7	100.8	91.0	97.7	98.0	104.1	-
A2935	003	215,000	177,000	98.7	100.7	90.8	97.6	97.9	104.1	-
A2946	004	215,000	177,000	98.7	100.7	90.8	97.6	97.9	104.1	-
A2947	013	215,000	177,000	98.7	100.7	90.8	97.6	97.9	104.1	-
A2932	002	212,000	177,000	98.8	100.7	90.4	97.6	97.9	104.1	-
A2933	011	212,000	177,000	98.8	100.7	90.4	97.6	97.9	104.1	-
A2922	000	212,000	174,000	98.8	100.7	90.4	97.6	97.8	104.1	-

¹ See Note 1.

Type Certificate Holder¹ **Airbus** Aircraft Type Designation¹ **A330-322**

Engine Manufacturer¹ **Pratt & Whitney** Engine Type Designation¹ **PW4168**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **45617, 46313, 54304 (47218, 47277) (Installation of GB2C fan blades, new fan case design, kevlar front and aft fan containment case, new intermediate fan case design)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A15201	012	218,000	182,000	98.1	100.8	91.0	97.7	98.1	104.2	-
A15202	010	217,000	179,000	98.1	100.8	90.9	97.7	98.0	104.1	-
A15203	003	215,000	177,000	98.1	100.7	90.6	97.6	98.0	104.1	-
A15204	004	215,000	177,000	98.1	100.7	90.6	97.6	98.0	104.1	-
A15205	013	215,000	177,000	98.1	100.7	90.6	97.6	98.0	104.1	-
A15206	002	212,000	177,000	98.2	100.7	90.2	97.6	98.0	104.1	-
A15207	011	212,000	177,000	98.2	100.7	90.2	97.6	98.0	104.1	-
A15208	000	212,000	174,000	98.2	100.7	90.2	97.6	97.8	104.1	-

¹ See Note 1.

Type Certificate Holder¹ **Airbus** Aircraft Type Designation¹ **A330-322**

Engine Manufacturer¹ **Pratt & Whitney** Engine Type Designation¹ **PW4168**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **45617, 46313, 47277 (Installation of GB2C fan blades, new fan case design, new intermediate fan case design)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A15496	012	218,000	182,000	98.7	100.8	91.2	97.7	98.1	104.2	-
A15494	010	217,000	179,000	98.7	100.8	91.0	97.7	98.0	104.1	-
A15492	003	215,000	177,000	98.7	100.7	90.8	97.6	97.9	104.1	-
A15493	004	215,000	177,000	98.7	100.7	90.8	97.6	97.9	104.1	-
A15497	013	215,000	177,000	98.7	100.7	90.8	97.6	97.9	104.1	-
A15491	002	212,000	177,000	98.8	100.7	90.4	97.6	97.9	104.1	-
A15495	011	212,000	177,000	98.8	100.7	90.4	97.6	97.9	104.1	-
A15490	000	212,000	174,000	98.8	100.7	90.4	97.6	97.8	104.1	-

¹ See Note 1.

Type Certificate Holder¹ **Airbus** Aircraft Type Designation¹ **A330-322**
Engine Manufacturer¹ **Pratt & Whitney** Engine Type Designation¹ **PW4168**

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

Engine intermix, one engine with titanium fan containment case and GB2 fan blades, one engine with GB2C fan blades (mod. 45617), new fan case design (mod. 46313), with or without kevlar front and aft containment case (mod. 47218), with or without new intermediate fan case design (mod. 47277)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A2941	012	218,000	182,000	98.7	100.8	92.6	97.7	98.1	104.2	-
A2926	010	217,000	179,000	98.7	100.8	92.4	97.7	98.0	104.1	-
A2931	003	215,000	177,000	98.7	100.7	92.2	97.6	98.0	104.1	-
A2945	004	215,000	177,000	98.7	100.7	92.2	97.6	98.0	104.1	-
A2950	013	215,000	177,000	98.7	100.7	92.2	97.6	98.0	104.1	-
A2930	002	212,000	177,000	98.8	100.7	91.7	97.6	98.0	104.1	-
A2939	011	212,000	177,000	98.8	100.7	91.7	97.6	98.0	104.1	-
A2921	000	212,000	174,000	98.8	100.7	91.7	97.6	97.8	104.1	-

¹ See Note 1.

Type Certificate Holder¹ **Airbus** Aircraft Type Designation¹ **A330-322**
 Engine Manufacturer¹ **Pratt & Whitney** Engine Type Designation¹ **PW4168**

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

Engine intermix, one engine with titanium fan containment case, GB2C fan blades (mod. 45617) and new fan case design (mod. 46313), one engine with kevlar front and aft containment case (mod. 47218), GB2C fan blades (mod. 45617), new fan case design (mod. 46313), with or without new intermediate fan case design (mod. 47277)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A15504	012	218,000	182,000	98.7	100.8	92.6	97.7	98.1	104.2	-
A15505	010	217,000	179,000	98.7	100.8	92.4	97.7	98.0	104.1	-
A15506	003	215,000	177,000	98.7	100.7	92.2	97.6	98.0	104.1	-
A15507	004	215,000	177,000	98.7	100.7	92.2	97.6	98.0	104.1	-
A15508	013	215,000	177,000	98.7	100.7	92.2	97.6	98.0	104.1	-
A15509	002	212,000	177,000	98.8	100.7	91.7	97.6	98.0	104.1	-
A15510	011	212,000	177,000	98.8	100.7	91.7	97.6	98.0	104.1	-
A15511	000	212,000	174,000	98.8	100.7	91.7	97.6	97.8	104.1	-

¹ See Note 1.

Type Certificate Holder¹ **Airbus** Aircraft Type Designation¹ **A330-322**
Engine Manufacturer¹ **Pratt & Whitney** Engine Type Designation¹ **PW4168**

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

Engine intermix, one engine with titanium fan containment case, GB2C fan blades (mod. 45617), new fan case design (mod. 46313) and new intermediate fan case design (mod. 47277), one engine with kevlar front and aft containment case (mod. 47218), GB2C fan blades (mod. 45617), new fan case design (mod. 46313), with or without new intermediate fan case design (mod. 47277)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A15513	012	218,000	182,000	98.7	100.8	92.6	97.7	98.1	104.2	-
A15514	010	217,000	179,000	98.7	100.8	92.4	97.7	98.0	104.1	-
A15515	003	215,000	177,000	98.7	100.7	92.2	97.6	98.0	104.1	-
A15516	004	215,000	177,000	98.7	100.7	92.2	97.6	98.0	104.1	-
A15517	013	215,000	177,000	98.7	100.7	92.2	97.6	98.0	104.1	-
A15518	002	212,000	177,000	98.8	100.7	91.7	97.6	98.0	104.1	-
A15519	011	212,000	177,000	98.8	100.7	91.7	97.6	98.0	104.1	-
A15520	000	212,000	174,000	98.8	100.7	91.7	97.6	97.8	104.1	-

¹ See Note 1.

Type Certificate Holder¹ **Airbus** Aircraft Type Designation¹ **A330-322**

Engine Manufacturer¹ **Pratt & Whitney** Engine Type Designation¹ **PW4168**

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

201487 (Engine intermix, one engine with part "Advantage 70" performance kit (mod. 57227), one engine with titanium fan containment case and either GB2 fan blades, or GB2C fan blades (mod. 45617) and new fan case (mod. 46313) with or without new intermediate fan case (mod. 47277))

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A16150	012	218,000	182,000	98.7	100.8	92.6	97.7	98.4	104.2	-
A16151	010	217,000	179,000	98.7	100.8	92.4	97.7	98.3	104.1	-
A16152	003	215,000	177,000	98.7	100.7	92.2	97.6	98.3	104.1	-
A16153	004	215,000	177,000	98.7	100.7	92.2	97.6	98.3	104.1	-
A16154	013	215,000	177,000	98.7	100.7	92.2	97.6	98.3	104.1	-
A16155	002	212,000	177,000	98.8	100.7	91.7	97.6	98.3	104.1	-
A16156	011	212,000	177,000	98.8	100.7	91.7	97.6	98.3	104.1	-
A16157	000	212,000	174,000	98.8	100.7	91.7	97.6	98.1	104.1	-

¹ See Note 1.

Type Certificate Holder¹ **Airbus** Aircraft Type Designation¹ **A330-322**

Engine Manufacturer¹ **Pratt & Whitney** Engine Type Designation¹ **PW4168**

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

Engine intermix, one engine with kevlar front and aft fan containment case and new intermediate fan case (mod. 54304), one engine with kevlar front and aft fan containment case and new intermediate fan case (mod. 54304) and part "Advantage 70" performance kit (mod. 57227)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A16065	012	218,000	182,000	98.2	100.8	91.0	97.7	98.4	104.2	-
A16066	010	217,000	179,000	98.2	100.8	90.9	97.7	98.3	104.1	-
A16067	003	215,000	177,000	98.2	100.7	90.6	97.6	98.3	104.1	-
A16068	004	215,000	177,000	98.2	100.7	90.6	97.6	98.3	104.1	-
A16069	013	215,000	177,000	98.2	100.7	90.6	97.6	98.3	104.1	-
A16070	002	212,000	177,000	98.3	100.7	90.2	97.6	98.3	104.1	-
A16071	011	212,000	177,000	98.3	100.7	90.2	97.6	98.3	104.1	-
A16072	000	212,000	174,000	98.3	100.7	90.2	97.6	98.1	104.1	-

¹ See Note 1.

Type Certificate Holder¹ **Airbus**

Aircraft Type Designation¹ **A330-322**

Engine Manufacturer¹ **Pratt & Whitney**

Engine Type Designation¹ **PW4168, PW4168-1D**

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

201487 (Engine intermix, PW4168 engine with titanium fan containment case and either GB2 fan blades, or GB2C fan blades (mod. 45617) and new fan case (mod. 46313) with or without new intermediate fan case (mod. 47277), PW4168-1D (PW4168 engine with "Advantage 70" performance kit (mod. 58776))

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A16141	012	218,000	182,000	98.7	100.8	92.6	97.7	98.4	104.2	-
A16142	010	217,000	179,000	98.7	100.8	92.4	97.7	98.3	104.1	-
A16143	003	215,000	177,000	98.7	100.7	92.2	97.6	98.3	104.1	-
A16144	004	215,000	177,000	98.7	100.7	92.2	97.6	98.3	104.1	-
A16145	013	215,000	177,000	98.7	100.7	92.2	97.6	98.3	104.1	-
A16146	002	212,000	177,000	98.8	100.7	91.7	97.6	98.3	104.1	-
A16147	011	212,000	177,000	98.8	100.7	91.7	97.6	98.3	104.1	-
A16148	000	212,000	174,000	98.8	100.7	91.7	97.6	98.1	104.1	-

¹ See Note 1.

Type Certificate Holder¹ **Airbus**

Aircraft Type Designation¹ **A330-322**

Engine Manufacturer¹ **Pratt & Whitney**

Engine Type Designation¹ **PW4168, PW4168-1D**

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

Engine intermix, one engine with kevlar front and aft fan containment case and new intermediate fan case (mod. 54304), with or without part "Advantage 70" performance kit (mod. 57227), one engine with kevlar front and aft fan containment case and new intermediate fan case (mod. 54304) and "Advantage 70" performance kit (mod. 58776)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A16074	012	218,000	182,000	98.2	100.8	91.0	97.7	98.4	104.2	-
A16075	010	217,000	179,000	98.2	100.8	90.9	97.7	98.3	104.1	-
A16076	003	215,000	177,000	98.2	100.7	90.6	97.6	98.3	104.1	-
A16077	004	215,000	177,000	98.2	100.7	90.6	97.6	98.3	104.1	-
A16078	013	215,000	177,000	98.2	100.7	90.6	97.6	98.3	104.1	-
A16079	002	212,000	177,000	98.3	100.7	90.2	97.6	98.3	104.1	-
A16080	011	212,000	177,000	98.3	100.7	90.2	97.6	98.3	104.1	-
A16081	000	212,000	174,000	98.3	100.7	90.2	97.6	98.1	104.1	-

¹ See Note 1.

Type Certificate Holder¹ **Airbus** Aircraft Type Designation¹ **A330-322**

Engine Manufacturer¹ **Pratt & Whitney** Engine Type Designation¹ **PW4168-1D**

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 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A16047	012	218,000	182,000	98.2	100.8	91.0	97.7	98.4	104.2	3
A16048	010	217,000	179,000	98.2	100.8	90.9	97.7	98.3	104.1	3
A16049	003	215,000	177,000	98.2	100.7	90.6	97.6	98.3	104.1	3
A16050	004	215,000	177,000	98.2	100.7	90.6	97.6	98.3	104.1	3
A16051	013	215,000	177,000	98.2	100.7	90.6	97.6	98.3	104.1	3
A16052	002	212,000	177,000	98.3	100.7	90.2	97.6	98.3	104.1	3
A16053	011	212,000	177,000	98.3	100.7	90.2	97.6	98.3	104.1	3
A16054	000	212,000	174,000	98.3	100.7	90.2	97.6	98.1	104.1	3

¹ See Note 1.

Type Certificate Holder¹ **Airbus** Aircraft Type Designation¹ **A330-323**

Engine Manufacturer¹ **Pratt & Whitney** Engine Type Designation¹ **PW4168A**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **57227, with or without 54304 ("Advantage 70" performance kit (part only), with or without kevlar front and aft fan containment case and new intermediate fan case)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A16574	054	235,000	187,000	98.2	101.0	93.0	98.2	98.7	104.4	-
A15431	022	233,000	187,000	98.3	101.0	92.7	98.1	98.7	104.4	-
A15432	052	233,000	187,000	98.3	101.0	92.7	98.1	98.7	104.4	-
A15433	020	230,000	185,000	98.3	101.0	92.3	98.0	98.6	104.3	-
A15434	050	230,000	185,000	98.3	101.0	92.3	98.0	98.6	104.3	-
A15435	025	217,000	179,000	98.5	100.8	90.6	97.7	98.4	104.1	-

¹ See Note 1.

Type Certificate Holder¹ **Airbus** Aircraft Type Designation¹ **A330-323**

Engine Manufacturer¹ **Pratt & Whitney** Engine Type Designation¹ **PW4168A**

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

201487 (Engine intermix, one engine with part "Advantage 70" performance kit (mod. 57227), one engine with titanium fan containment case with or without new intermediate fan case (mod. 47277))

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A16567	054	235,000	187,000	98.7	101.0	93.3	98.2	98.7	104.4	-
A16118	022	233,000	187,000	98.7	101.0	93.0	98.1	98.7	104.4	-
A16119	052	233,000	187,000	98.7	101.0	93.0	98.1	98.7	104.4	-
A16120	020	230,000	185,000	98.8	101.0	92.5	98.0	98.6	104.3	-
A16121	050	230,000	185,000	98.8	101.0	92.5	98.0	98.6	104.3	-
A16122	025	217,000	179,000	98.9	100.8	90.8	97.7	98.4	104.1	-

¹ See Note 1.

Type Certificate Holder¹ **Airbus** Aircraft Type Designation¹ **A330-323**

Engine Manufacturer¹ **Pratt & Whitney** Engine Type Designation¹ **PW4168A**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **54304 (47218, 47277) (Kevlar front and aft fan containment case and new intermediate fan case (No intermix permitted with titanium hardware))**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A16537	054	235,000	187,000	98.1	101.0	93.0	98.2	98.4	104.4	-
A936	022	233,000	187,000	98.1	101.0	92.7	98.1	98.4	104.4	-
A939	052	233,000	187,000	98.1	101.0	92.7	98.1	98.4	104.4	-
A935	020	230,000	185,000	98.2	101.0	92.3	98.0	98.3	104.3	-
A938	050	230,000	185,000	98.2	101.0	92.3	98.0	98.3	104.3	-
A937	025	217,000	179,000	98.3	100.8	90.6	97.7	98.1	104.1	-

¹ See Note 1.

Type Certificate Holder¹ **Airbus** Aircraft Type Designation¹ **A330-323**

Engine Manufacturer¹ **Pratt & Whitney** Engine Type Designation¹ **PW4168A**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **With or without 47218 and/or 47277 (With or without kevlar front and aft fan containment case and/or new intermediate fan case)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A16543	054	235,000	187,000	98.7	101.0	93.3	98.2	98.4	104.4	-
A941	022	233,000	187,000	98.7	101.0	93.0	98.1	98.4	104.4	-
A944	052	233,000	187,000	98.7	101.0	93.0	98.1	98.4	104.4	-
A940	020	230,000	185,000	98.8	101.0	92.5	98.0	98.3	104.3	-
A943	050	230,000	185,000	98.8	101.0	92.5	98.0	98.3	104.3	-
A942	025	217,000	179,000	98.9	100.8	90.8	97.7	98.1	104.1	-

¹ See Note 1.

Type Certificate Holder¹ **Airbus** Aircraft Type Designation¹ **A330-323**

Engine Manufacturer¹ **Pratt & Whitney** Engine Type Designation¹ **PW4168A**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **With or without 47277 (With or without new intermediate fan case design)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A16548	054	235,000	187,000	98.7	101.0	93.3	98.2	98.3	104.4	-
A921	022	233,000	187,000	98.7	101.0	93.0	98.1	98.3	104.4	-
A924	052	233,000	187,000	98.7	101.0	93.0	98.1	98.3	104.4	-
A920	020	230,000	185,000	98.8	101.0	92.5	98.0	98.2	104.3	-
A923	050	230,000	185,000	98.8	101.0	92.5	98.0	98.2	104.3	-
A922	025	217,000	179,000	98.9	100.8	90.8	97.7	98.0	104.1	-

¹ See Note 1.

Type Certificate Holder¹ **Airbus**

Aircraft Type Designation¹ **A330-323**

Engine Manufacturer¹ **Pratt & Whitney**

Engine Type Designation¹ **PW4168A, PW4168A-1D**

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

58914 (Engine intermix, PW4168A engine with or without kevlar front and aft fan containment case (mod. 47218) or new intermediate fan case (mod. 47277), PW4168A-1D (PW4170 engine with "Advantage 70" performance kit (mod. 58344))

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A16561	054	235,000	187,000	98.7	101.0	93.3	98.2	98.7	104.4	-
A16560	055	235,000	187,000	98.7	101.0	93.3	98.2	98.7	104.4	-
A16006	022	233,000	187,000	98.7	101.0	93.0	98.1	98.7	104.4	-
A16007	052	233,000	187,000	98.7	101.0	93.0	98.1	98.7	104.4	-
A16008	020	230,000	185,000	98.8	101.0	92.5	98.0	98.6	104.3	-
A16009	050	230,000	185,000	98.8	101.0	92.5	98.0	98.6	104.3	-
A16010	025	217,000	179,000	98.9	100.8	90.8	97.7	98.4	104.1	-

¹ See Note 1.

Type Certificate Holder¹ **Airbus**

Aircraft Type Designation¹ **A330-323**

Engine Manufacturer¹ **Pratt & Whitney**

Engine Type Designation¹ **PW4168A, PW4168A-1D**

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

201487 (Engine intermix, PW4168A engine with titanium fan containment case with or without new intermediate fan case (mod. 47277), PW4168A-1D (PW4170 engine with mod. 58344 or PW4168A engine with mod. 58956))

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A16570	054	235,000	187,000	98.7	101.0	93.3	98.2	98.7	104.4	-
A16113	022	233,000	187,000	98.7	101.0	93.0	98.1	98.7	104.4	-
A16114	052	233,000	187,000	98.7	101.0	93.0	98.1	98.7	104.4	-
A16115	020	230,000	185,000	98.8	101.0	92.5	98.0	98.6	104.3	-
A16116	050	230,000	185,000	98.8	101.0	92.5	98.0	98.6	104.3	-
A16117	025	217,000	179,000	98.9	100.8	90.8	97.7	98.4	104.1	-

¹ See Note 1.

Type Certificate Holder¹ **Airbus**

Aircraft Type Designation¹ **A330-323**

Engine Manufacturer¹ **Pratt & Whitney**

Engine Type Designation¹ **PW4168A, PW4168A-1D**

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

Engine intermix, PW4168A engine with either mod. 54304 (kevlar front and aft fan containment case and new intermediate fan case) or mod. 57227 (Part "Advantage 70" performance kit), PW4168A-1D (PW4170 engine with mod. 58344 or PW4168A engine with mod. 58956)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A16553	054	235,000	187,000	98.2	101.0	93.0	98.2	98.7	104.4	-
A15436	022	233,000	187,000	98.3	101.0	92.7	98.1	98.7	104.4	-
A15437	052	233,000	187,000	98.3	101.0	92.7	98.1	98.7	104.4	-
A15438	020	230,000	185,000	98.3	101.0	92.3	98.0	98.6	104.3	-
A15439	050	230,000	185,000	98.3	101.0	92.3	98.0	98.6	104.3	-
A15440	025	217,000	179,000	98.5	100.8	90.6	97.7	98.4	104.1	-

¹ See Note 1.

Type Certificate Holder¹ **Airbus** Aircraft Type Designation¹ **A330-323**

Engine Manufacturer¹ **Pratt & Whitney** Engine Type Designation¹ **PW4170**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **57168 or 58327 ("Advantage 70" performance kit)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A16483	055	235,000	187,000	98.6	101.0	92.3	98.2	98.7	104.4	-
A16484	054	235,000	187,000	98.6	101.0	92.3	98.2	98.7	104.4	-
A10741	052	233,000	187,000	98.7	101.0	92.1	98.1	98.7	104.4	-
A10740	050	230,000	185,000	98.7	101.0	91.7	98.0	98.6	104.3	-

¹ See Note 1.

Type Certificate Holder¹ **Airbus** Aircraft Type Designation¹ **A330-341**

Engine Manufacturer¹ **Rolls-Royce** Engine Type Designation¹ **Trent 768-60**

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 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A2977	012	218,000	182,000	96.9	100.8	89.6	97.7	96.9	104.2	-
A2978	010	217,000	179,000	96.9	100.8	89.5	97.7	96.8	104.1	-
A2979	003	215,000	177,000	96.9	100.7	89.2	97.6	96.8	104.1	-
A2980	004	215,000	177,000	96.9	100.7	89.2	97.6	96.8	104.1	-
A2981	013	215,000	177,000	96.9	100.7	89.2	97.6	96.8	104.1	-
A2982	002	212,000	177,000	97.0	100.7	88.8	97.6	96.8	104.1	-
A2983	011	212,000	177,000	97.0	100.7	88.8	97.6	96.8	104.1	-
A2984	000	212,000	174,000	97.0	100.7	88.8	97.6	96.7	104.1	-
A2985	014	205,000	182,000	97.1	100.5	87.8	97.4	96.9	103.9	-

¹ See Note 1.

Type Certificate Holder¹ **Airbus** Aircraft Type Designation¹ **A330-342**

Engine Manufacturer¹ **Rolls-Royce** Engine Type Designation¹ **Trent 772-60**

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 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A959	011	212,000	177,000	97.7	100.7	87.8	97.6	96.8	104.1	-
A954	000	212,000	174,000	97.7	100.7	87.8	97.6	96.7	104.1	-
A962	014	205,000	182,000	97.9	100.5	87.0	97.4	96.9	103.9	-

¹ See Note 1.

Type Certificate Holder¹ **Airbus** Aircraft Type Designation¹ **A330-342**
 Engine Manufacturer¹ **Rolls-Royce** Engine Type Designation¹ **Trent 772-60**
 Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **EP Package**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A16517	054	235,000	187,000	97.4	101.0	90.9	98.2	97.0	104.4	-
A16516	055	235,000	187,000	97.4	101.0	90.9	98.2	97.0	104.4	-
A15055	022	233,000	187,000	97.4	101.0	90.7	98.1	97.0	104.4	-
A15056	052	233,000	187,000	97.4	101.0	90.7	98.1	97.0	104.4	-
A15057	012	218,000	182,000	97.7	100.8	88.6	97.7	96.9	104.2	-
A15058	010	217,000	179,000	97.7	100.8	88.5	97.7	96.8	104.1	-
A15059	003	215,000	177,000	97.7	100.7	88.2	97.6	96.8	104.1	-
A15060	004	215,000	177,000	97.7	100.7	88.2	97.6	96.8	104.1	-
A15061	013	215,000	177,000	97.7	100.7	88.2	97.6	96.8	104.1	-
A15062	002	212,000	177,000	97.7	100.7	87.8	97.6	96.8	104.1	-

¹ See Note 1.

/continued over page

Type Certificate Holder¹ **Airbus** Aircraft Type Designation¹ **A330-343**
 Engine Manufacturer¹ **Rolls-Royce** Engine Type Designation¹ **Trent 772-60**

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

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A16510	054	235,000	187,000	97.4	101.0	90.9	98.2	97.0	104.4	-
A15066	022	233,000	187,000	97.4	101.0	90.7	98.1	97.0	104.4	-
A15067	052	233,000	187,000	97.4	101.0	90.7	98.1	97.0	104.4	-
A15068	020	230,000	185,000	97.5	101.0	90.2	98.0	97.0	104.3	-
A15069	050	230,000	185,000	97.5	101.0	90.2	98.0	97.0	104.3	-
A15070	024	205,000	185,000	97.9	100.5	87.0	97.4	97.0	103.9	-

¹ See Note 1.

Type Certificate Holder¹ **Airbus** Aircraft Type Designation¹ **A330-343**

Engine Manufacturer¹ **Rolls-Royce** Engine Type Designation¹ **Trent 772B-60**

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

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A16513	054	235,000	187,000	97.4	101.0	90.9	98.2	97.0	104.4	-
A15071	022	233,000	187,000	97.4	101.0	90.7	98.1	97.0	104.4	-
A15072	052	233,000	187,000	97.4	101.0	90.7	98.1	97.0	104.4	-
A15073	020	230,000	185,000	97.5	101.0	90.2	98.0	97.0	104.3	-
A15074	050	230,000	185,000	97.5	101.0	90.2	98.0	97.0	104.3	-
A15075	024	205,000	185,000	97.9	100.5	87.0	97.4	97.0	103.9	-

¹ See Note 1.

Type Certificate Holder¹ **Airbus** Aircraft Type Designation¹ **A330-343**

Engine Manufacturer¹ **Rolls-Royce** Engine Type Designation¹ **Trent 772C-60**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **54940 (Increased hot and high rating)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A16503	054	235,000	187,000	97.4	101.0	90.9	98.2	97.0	104.4	-
A6669	022	233,000	187,000	97.4	101.0	90.7	98.1	97.0	104.4	-
A6670	052	233,000	187,000	97.4	101.0	90.7	98.1	97.0	104.4	-
A6671	020	230,000	185,000	97.5	101.0	90.2	98.0	97.0	104.3	-
A6672	050	230,000	185,000	97.5	101.0	90.2	98.0	97.0	104.3	-
A6673	024	205,000	185,000	97.9	100.5	87.0	97.4	97.0	103.9	-

¹ See Note 1.

TCDSN EASA.A.004 Notes

1. Items so marked shall be included on EASA Form 45.
2. Valid for PW4170 engine with mod 58344 ("Advantage 70" performance kit and de-rate to 68.000 lb) or PW4168A engine with mod 58956 ("Advantage 70" performance kit) and mod 54304 (kevlar front and aft fan containment case (mod 47218) and new intermediate fan case (mod 47277)).
3. Valid for PW4164 engine with mod 58777 ("Advantage 70" performance kit) and mod 54304 (kevlar front and aft fan containment case (mod 47218) and new intermediate fan case (mod 47277)).
4. Valid for PW4164 engine with mod 57227 (part "Advantage 70" performance kit) and mod 54304 (kevlar front and aft fan containment case (mod 47218) and new intermediate fan case (mod 47277)).

Change Record

Issue	Date	Changes
Issue 1	08 January 2007	Initial Issue
Issue 2	22 March 2007	Added records A5611-A5625
Issue 3	30 April 2007	Added records A5801-5807, Record A5615 deleted, Added records A5786-A5792
Issue 4	08 April 2008	Several records revised. For details see Issue 4.
Issue 5	20 October 2009	Several records revised. For details see Issue 5.
Issue 6	09 April 2010	Removed references to Mod 55005 from Chapter 4 records and deleted corresponding Chapter 3 records. Added record A14204, A14205 and A14212.
Issue 7	06 July 2010	Revised noise levels for A330-223 and A330-323 with PW4170 engines and "Advantage 70" Mod 57168 or Mod 58327 embodied.
Issue 8	10 September 2010	Revised
Issue 9	27 September 2010	WV 057 and 058 added; WV 002 of A330-243F removed; Record A14213 added
Issue 10	07 October 2010	Added records A15201-A15208 ; Revised engine modification and description of records A2941, A2926, A2931, A2945, A2950, A2930, A2939, A2921 ; Revised noise levels of records A7015-A7022
Issue 11	14 December 2010	Updated records related to A330-321 and A330-322 models
Issue 12	26 December 2011	Revised.

-END-