

Advisory Circular

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Change:

NOISE LEVELS FOR U.S. CERTIFICATED AND FOREIGN AIRCRAFT

1. PURPOSE. This circular provides noise level data for airplanes certificated under FAR Part 36. Noise level data for foreign airplanes certificated to ICAO Annex 16 standards are also provided in a separate appendix for informational purposes. New appendices have been added to represent selected configurations of U.S. certificated aircraft and to provide listings of noise levels ranked in descending order.
2. CANCELLATION. Advisory Circular 36-1C, Certificated Airplane Noise Levels, dated June 6, 1983, is canceled.
3. BACKGROUND. The agency's regulatory program for airplane noise requires the quantification of airplane noise levels. Progress in the control and abatement of aircraft noise continues to be made to achieve further relief and protection to the public. For example, fleet compliance with FAR Part 36 has been increased during the past eight years from 21 percent to 89 percent as a result of FAR Part 91 Subpart E implementation. This expanded Advisory Circular, containing existing certificated airplane noise levels will provide both private and public exposure to this progress, as well as offering a common noise level reference for potential future reductions.
4. NOISE LEVELS. Noise levels during type certification under FAR Part 36 and ICAO Annex 16, and definitions are presented in Appendices 1 through 9. Formulas for calculating the appropriate FAR Part 36 noise level requirements, as contained in section C36.5 and F36.301, follow the appropriate appendix. Aircraft noise levels are shown as complying with either Stage 2 or Stage 3 noise levels.

A "Stage 2 airplane" means an airplane that has been shown under FAR Part 36 to comply with Stage 2 noise levels prescribed in Section C36.5 of Appendix C (including use of the applicable tradeoff provisions) and that does not comply with the requirements for a Stage 3 airplane.

A "Stage 3 airplane" means an airplane that has been shown under FAR Part 36 to comply with Stage 3 noise levels prescribed in section C36.5 of Appendix C (including use of the applicable tradeoff provisions).

Appendix 1 provides noise levels of turbojet powered aircraft, measured during type certification under FAR Part 36 Appendix 1. This appendix includes tabulations of engine model, maximum takeoff weight, and landing

weights, flap settings, the "Stage" with which aircraft noise levels comply, and the measured noise in Effective Perceived Noise Level (EPNdB). Data are not presented for all of the maximum certificated takeoff weights for each aircraft type. Rather, the data presented generally represent the highest and lowest maximum certificated takeoff weight.

As required by Part 36, certification noise levels for approach (APP.) are those which are most critical from a noise standpoint for the airplane configurations used to show compliance with the landing requirements in the airworthiness regulations constituting the type certification basis of the airplane. Takeoff (T/O) certification noise levels are presented for takeoff with thrust cutback unless there is an asterisk (*) in the "NOTES" column, in which case full takeoff thrust certification noise levels are presented.

It should be noted that the sideline (S/L) noise levels are generally presented for the current 450-meter distance. However, some four-engine aircraft configurations were certificated to the earlier 650-meter standard; these configurations are denoted with a double asterisk (**) in the "NOTES" column.

Since the original measurement locations and noise test conditions cited in FAR Part 36, November 18, 1969, have been amended through the years, the noise levels contained herein are for the measurement locations and noise test conditions applicable at the time of certification. In each case, the measured data have been corrected to sea level, 77°F, 70% relative humidity conditions using the procedures outlined in FAR Part 36. Specific information providing more detail on either the measurement locations or noise test conditions, if available, are indicated by the notes accompanying each listing. Blank spaces or lack of notes in the report indicate the data were not available.

Appendix 2 contains several listings of foreign turbojet powered aircraft certificated to ICAO Annex 16, Chapters 2 and 3 and are provided for informational purposes. Aircraft certificated to both U.S. and foreign standards are only listed in Appendix 1.

Appendix 3 provides a listing of U.S. certificated Stage 3 turbojet powered aircraft. These aircraft are also included in Appendix 1.

Appendices 4 and 5 represent selected listings of noise levels for turbojet powered aircraft certificated under FAR Part 36 Appendix C. Appendices 4 and 5 provide listings of takeoff and approach noise levels in EPNdB, respectively, in descending order. Representative models of each aircraft are listed, using the maximum takeoff weight available. These listings are presented as a convenience in locating noise level data on specific aircraft models. For a more detailed listing on variations of a representative model, see Appendix 1.

Appendix 6 contains noise levels of U.S. propeller-driven aircraft, certificated in the transport category. Noise levels measured during type certification were obtained under FAR Part 36 Appendix C. This includes tabulations of maximum takeoff weights, landing weights, engine type, horsepower, propeller type, diameter, and flap settings. The "Stage" with which the aircraft noise levels comply is also provided, as well as the Effective Perceived Noise Level (EPNdB).

Appendix 7 lists the certificated airplane noise levels for U.S. certificated, propeller-driven airplanes not exceeding 12,500 lbs. This appendix includes a tabulation of maximum takeoff weights, landing weights, engine type, horsepower used in noise certification, propeller type and diameter. The measured A-weighted sound levels (dBA) for flyover have been corrected to sea level 77°F, 70% relative humidity conditions where required by FAR Part 36, Appendix F.

Appendix 8 contains listings of foreign propeller-driven aircraft not exceeding 12,500 pounds certificated under ICAO Annex 16, Chapter 6. Noise levels are listed for informational purposes.

Appendix 9 provides definitions that apply to column headings of the preceding appendices.

4. REVISIONS. The airplane noise level listings of this Advisory Circular will be revised and updated periodically.


John E. Wesler
Director of Environment and Energy

LIST OF APPENDICES

- Appendix 1** **Aircraft Noise Data for U.S. Certificated Turbojet Powered Aircraft**
- Appendix 2** **Aircraft Noise Data for Foreign Certificated Turbojet Powered Aircraft**
- Appendix 3** **U.S. Certification Noise Data for Stage 3 Turbojet Powered Aircraft**
- Appendix 4** **Aircraft Noise Certification Levels in Descending EPNdB for U.S. Certificated Turbojet Powered Aircraft - Takeoff**
- Appendix 5** **Aircraft Noise Certification Levels in Descending EPNdB for U.S. Certificated Turbojet Powered Aircraft - Approach**
- Appendix 6** **Noise Data for Propeller-Driven Aircraft Certificated in the Transport Category**
- Appendix 7** **Certificated Airplane Noise Levels for U.S. Certificated, Propeller-driven Airplanes not Exceeding 12,500 lbs.**
- Appendix 8** **Foreign Propeller-driven Aircraft Certificated under ICAO Annex 16, Chapter 6**
- Appendix 9** **Definitions**

APPENDIX 1
AIRCRAFT NOISE DATA FOR
UNITED STATES CERTIFICATED TURBOJET POWERED AIRCRAFT

AIRCRAFT MANUFACTURER AND TYPE	MTOW: (LBS/ 1000)	LW (LBS/ 1000)	ENGINE		FLAPS		NOISE LEVELS EPNDB					STAGE	NOTES	REFERENCE
			NUMBER MODEL CODE	THRUST: (LBS/ 1000)	RPM	TAKEOFF	APPR.	ALT. FEET	TAKEOFF	SIDE LINE	APPR.			
AEROSPATIALE SM681 CORVETTE	13.9	12.40	2 JT15D-4	2.30	2.3	15	35	2525	80.4	85.4	89.3	3	10	A-1
AEROSPATIALE SM681 CORVETTE	14.4	13.20	2 JT15D-4	2.52	2.3	15	35	2610	74.0	81.0	90.0	3		A-1
AIRBUS A300B2-203	313.1	284.6	2 CF6-50C2	51.0	4.3	16	25		90.9	97.9	103.1	3		AI
AIRBUS A300B4-103	347.2	295.4	2 CF6-50C2	51.0	4.3	16	25		93.4	97.7	103.0	3		AI
AIRBUS A300B4-203	363.7	295.4	2 CF6-50C2	51.0	4.3	16	25		94.0	94.9	102.4	3		AI
AIRBUS A310-221	305.4	267.9	2 JT9D-7R4D1	48.0	4.5	15	40		90.5	90.8	100.4	3		MI
BOEING W/CONTRAM ON B-707-300B(ADV)/300C	322.3	247.0	4 JT3D-3D-3B(IC)			10	25		105.5	99.3	105.7	2	16	MI
BOEING B-727-100	160.5	137.5	3 JT8D-1FCD	14.0	1.1	5	40		94.4	99.2	104.3	2	13	A-1 B-1
BOEING B-727-100	169.5	137.5	3 JT8D-1FCD	14.0	1.1	5	40		90.5	99.1	104.3	2	13	A-1 B-1
BOEING B-727-100	152.5	135.0	3 JT8D-7FCD	14.0	1.1	5	40		94.4	100.3	104.1	2	13 16	B-1
BOEING B-727-100	169.5	137.5	3 JT8D-7FCD	14.0	1.1	5	40		97.9	100.0	104.1	2	13 16	B-1

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AIRCRAFT MANUFACTURER AND TYPE	MTOW (LBS/ 1000)	LW (LBS/ 1000)	ENGINE		FLAPS		NOISE LEVELS EPND					STAGE	NOTES	REFERENCE
			NUMBER ----- MODEL CODE	THRUST (LBS/ 1000)	BPR.	TAKEOFF	APPR.	ALT. FEET	TAKEOFF	SIDE LINE	APPR.			
BOEING B-727-100	140.5	137.5	3 JT8D-9PCD	14.5	1.0	5	40		96.1	100.2	105.8	2	3 17	A-1 B-1
BOEING B-727-100	169.5	137.5	3 JT8D-9PCD	14.5	1.0	5	40		98.3	100.0	105.8	2	3 17	A-1
BOEING B-727-200	184.2	142.5	3 JT8D-15QN	15.5		5	40		98.8	102.2	103.2	2	2 18	A-1 B-1
BOEING B-727-200	190.5	142.5	3 JT8D-15QN	15.5		5	40		100.0	102.2	103.2	2	2 18	B-1
BOEING B-727-200*	190.5	142.5	3 JT8D-17QN	16.0		5	40		99.4	103.7	103.2	2	2 19	A-1 B-1
BOEING B-727-200	203.1	158.0	3 JT8D-17QN	16.0		5	40		102.0	103.3	104.5	2	2 19	B-1
BOEING B-727-200	190.5	142.5	3 JT8D-17RQN	16.4		5	40		98.9	104.7	103.2	2	2 20	A-1 B-1
BOEING B-727-200	208.0	142.5	3 JT8D-17RQN	16.4		5	40		102.4	104.2	103.2	2	2 20	A-1 B-1
BOEING B-727-200	172.5	142.5	3 JT8D-7PCD	14.0	1.1	15	40	1270	100.0	100.4	106.3	2	3 14	B-1
BOEING B-727-200	177.4	142.5	3 JT8D-7PCD	14.0	1.1	5	40	1270	99.8	99.8	106.3	2	3 14	B-1 NM
BOEING B-727-200	172.5	142.5	3 JT8D-7QN	14.0	1.1	15	40		100.0	100.4	104.9	2	2 16	A-1 B-1

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AIRCRAFT MANUFACTURER AND TYPE	MTOW (LBS/ 1000)	LW (LBS/ 1000)	ENGINE		FLAPS		NOISE LEVELS EPND8					STAGE	NOTES	REFERENCE
			NUMBER ----- MODEL CODE	THRUST (LBS/ 1000)	BPR	TAKEOFF	APPR.	ALT. FEET	TAKEOFF	SIDE LINE	APPR.			
BOEING B-727-200	178.0	150.0	3 JT8D-9FCD	14.5	1.0	5	30		100.7	99.8	103.8	2	3 17	B-1 NM
BOEING B-727-200	172.5	142.5	3 JT8D-90N	14.5		15	40		99.0	100.4	103.2	2	2 17	B-1
BOEING B-727-200	184.8	142.5	3 JT8D-90N	14.5		15	40		101.5	100.2	103.2	2	2 17	A-1 B-1
BOEING B-737-200 ADV.	115.5	101.0	2 JT8D-150N	15.5	1.0	1	40		94.4	103.1	105.0	2	2 18	B-1
BOEING B-737-200 ADV.	128.1	88.0	2 JT8D-150N	15.5	1.0	1	40		97.7	102.4	103.8	2	2 18	B-1
BOEING B-737-200 ADV.	115.5	95.3	2 JT8D-170N	16.0		1	40		93.6	104.4	104.5	2	2 19	B-1
BOEING B-737-200 ADV.	128.1	79.1	2 JT8D-170N	16.0	1.0	1	40		97.0	104.1	102.8	2	2 19	B-1
BOEING B-737-200 ADV.	115.5	103.0	2 JT8D-90N	14.5		1	40		95.3	100.6	105.1	2	2 17	B-1
BOEING B-737-200 ADV.	122.5	105.0	2 JT8D-90N	14.5		1	40		96.9	99.9	105.3	2	2 17	B-1
BOEING B-737-200 NON-ADV.	100.5	95.0	2 JT8D-70N	14.0	1.1	1	40		92.1	101.7	102.1	2	2 16	A-1 B-1
BOEING B-737-200 NON-ADV.	109.0	98.0	2 JT8D-70N	14.0	1.1	1	40		94.7	101.3	102.1	2	2 16	B-1

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AIRCRAFT MANUFACTURER AND TYPE	MTOW (LBS/ 1000)	LV (LBS/ 1000)	ENGINE		FLAPS		NOISE LEVELS EPNDB					NOTES	REFERENCE	
			NUMBER ----- MODEL CODE	THRUST (LBS/ 1000)	OPR.	TAKEOFF	APPR.	ALT. FEET	TAKEOFF	SIDE LINE	APPR.			STAGE
BOEING B-737-200 NON-ADV.	109.0	95.0	2 JT8D-90N	14.51	1.0	1	40		93.2	100.7	100.8	2	2 17	A-1 B-1
BOEING B-737-200 NON-ADV.	117.0	101.7	2 JT8D-90N	14.51	1.0	1	40		95.5	100.31	105.3	2	2 17	A-1 B-1
BOEING B-737-300	124.5	114.0	2 CFM56-3-B-1	20.01	5.0	1	40		84.4	90.4	99.9	3		B-1
BOEING B-737-300	135.0	114.0	2 CFM56-3-B-1	20.0	5.0	1	40		84.5	90.2	99.9	3		B-1
BOEING B-737-300	124.5	114.0	2 CFM56-3B-2	22.0	5.0	1	40		82.8	92.2	99.9	3		B-1
BOEING B-737-300	135.0	114.0	2 CFM56-3B-2	22.0	5.0	1	40		84.7	92.0	99.9	3		B-1
BOEING B-747-100	710.0	544.0	4 JT9D-3A			10	30	971	100.4	99.7	107.2	2	** **	B-1
BOEING B-747-100	734.0	544.0	4 JT9D-3A			10	30	834	109.4	99.4	107.2	2	** **	B-1
BOEING B-747-100	710.0	544.0	4 JT9D-7	44.3	5.1	10	30	1028	106.4	99.2	104.9	2	** **	A-1 B-1
BOEING B-747-100	750.0	585.0	4 JT9D-7A	43.7	5.1	10	30	898	107.8	98.8	104.9	2	** **	B-1
BOEING	750.0	585.0	4 JT9D-7F	44.7	5.1	10	30	1014	109.4	100.3	108.0	2	** **	A-1 B-1

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AIRCRAFT MANUFACTURER AND TYPE	MTOW (LBS/ 1000)	LW (LBS/ 1000)	ENGINE		FLAPS		NOISE LEVELS EPNDB					STAGE	NOTES	REFERENCE	
			NUMBER ----- MODEL CODE	THRUST (LBS/ 1000)	SPR.	TAKEOFF	APPR.	ALT. FEET	TAKEOFF	SIDE LINE	APPR.				
BOEING B-747-100	750.0	585.0	4 JT9D-7FW	48.2	5.1	10	30	1166	107.6	99.4	107.4	2	*	**	B-1
BOEING B-747-100	750.0	585.0	4 JT9D-7FWET	48.2	5.1	10	30	1166	109.4	100.9	108.0	2	*	**	A-1 B-1
BOEING B-747-100	750.0	585.0	4 JT9D-7WET	47.9	5.1	10	30	1029	107.7	99.6	107.1	2	*	**	A-1 B-1
BOEING B-747-100	750.0	585.0	4 RB.211-524C2	49.4	4.5	10	30	1320	101.3	96.9	106.5	3		**	B-1
BOEING B-747-200	775.0	585.0	4 CF6-50E	52.5	4.3	10	30	1284	99.9	101.0	104.5	3			B-1
BOEING B-747-200	820.0	630.0	4 CF6-50E	52.5	4.3	10	30	1009	102.0	100.8	105.6	3			B-1
BOEING B-747-200	820.0	666.0	4 CF6-50E2	52.5	4.3	10	30	1033	101.1	101.6	105.6	3			B-1
BOEING B-747-200	833.0	666.0	4 CF6-50E2	52.5	4.3	10	30	1033	101.8	98.9	105.6	3	**		B-1
BOEING B-747-300	747.0	564.0	4 JT9D-3A	43.5	5.2	10	30	587	108.6	97.2	106.0	2	*	**	A-1 B-1
BOEING B-747-200	773.0	585.0	4 JT9D-3AWET	45.0	5.2	10	30	719	107.7	97.7	106.2	2	*	**	A-1 B-1
BOEING B-747-200	770.0	564.0	4 JT9D-7	46.3	5.1	10	30	761	107.4	97.8	106.2	2	*	**	A-1 B-1

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AIRCRAFT MANUFACTURER AND TYPE	MTOW (LBS/ 1000)	LW (LBS/ 1000)	ENGINE		FLAPS			NOISE LEVELS EPND8					NOTES	REFERENCE
			NUMBER ----- MODEL CODE	THRUST (LBS/ 1000)	BPR.	TAKEOFF	APPR.	ALT. FEET	TAKEOFF	SIDE LINE	APPR.	STAGE		
BOEING B-747-200	820.0	630.0	4 JT9D-70A	41.0	4.9	10	30	1024	100.7	96.1	105.8	3	**	B-1
BOEING B-747-200	785.0	630.0	4 JT9D-7A	43.7	5.1	10	30	718	109.3	98.7	107.3	2	*	**A-1 B-1
BOEING B-747-200	775.0	564.0	4 JT9D-7F	46.4	5.1	10	30	870	108.6	98.9	107.2	2	*	**A-1 B-1
BOEING B-747-200	800.0	630.0	4 JT9D-7F	46.4	5.1	10	30	735	109.7	98.8	107.8	2	*	**B-1
BOEING B-747-200	805.0	630.0	4 JT9D-7FV	48.2	5.1	10	30	845	109.4	99.2	107.8	2	*	**B-1
BOEING B-747-200	812.0	630.0	4 JT9D-7FW/-7J	48.2	5.1	10	30	818	109.7	99.2	107.4	2	*	**B-1
BOEING B-747-200	800.0	630.0	4 JT9D-7J	48.4	5.1	10	30	861	109.3	99.2	107.8	2	*	**B-1 NM
BOEING B-747-200	775.0	564.0	4 JT9D-7Q	52.5	4.9	10	30	1386	100.2	101.0	106.2	3	**	B-1
BOEING B-747-200	833.0	600.0	4 JT9D-7Q	52.5	4.9	10	30	911	103.2	103.5	106.6	3		B-1
BOEING B-747-200	785.0	630.0	4 JT9D-7WET	47.9	5.1	10	30	833	107.3	98.2	106.8	2	*	**A-1 B-1
BOEING B-747-200	800.0	630.0	4 RB.211-524B	48.1	4.3	10	30	904	105.5	96.0	107.8	2	*	**A-1 B-1

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AIRCRAFT MANUFACTURER AND TYPE	MTOW: (LBS/ 1000)	LV (LBS/ 1000)	ENGINE		FLAPS			NOISE LEVELS EPNdB					NOTES	REFERENCE
			NUMBER ----- MODEL CODE	THRUST: (LBS/ 1000)	BPR	TAKEOFF	APPR	ALT. FEET	TAKEOFF	SIDE LINE	APPR.	STAGE		
BOEING B-747-200	820.0	430.0	4 RB.211-524B	48.1	4.5	10	30	793	105.5	95.9	107.8	2	**	B-1
BOEING B-747-200	820.0	415.0	4 RB.211-524B2	48.1	4.5	10	30	793	105.5	99.1	107.0	3		B-1
BOEING B-747-200	833.0	415.0	4 RB.211-524C2	49.4	4.5	10	30	900	106.5	99.5	107.0	3	*	B-1
BOEING B-747-200	833.0	430.0	4 RB.211-524D4	52.0		10	30	911	103.9	99.7	104.9	3		B-1
BOEING B-747-300	860.0	430.0	4 CF6-50E2	52.5		10	30	862	100.2	101.6	105.0	3		B-1
BOEING B-747-300	785.0	430.0	4 JT9D-7R4C2	54.7		10	30	836	100.1	101.5	106.6	3		B-1
BOEING B-747-300	820.0	430.0	4 JT9D-7R4C2	54.7		10	30	836	101.8	101.3	106.6	3		B-1
BOEING B-747-SP	660.0	450.0	4 JT9D-7A	43.7	5.1	10	30	1440	104.4	99.0	103.4	3	*	**A-1 B-1
BOEING B-747-SP	701.0	465.0	4 JT9D-7A	43.7	5.1	10	30	1146	104.0	98.8	103.2	3	*	**B-1
BOEING B-747-SP	668.0	475.0	4 JT9D-7F	46.4	5.1	10	30	1608	104.4	99.2	104.1	3	*	**A-1 B-1
BOEING B-747-SP	695.0	475.0	4 JT9D-7FV	48.2	5.1	10	30	1520	105.7	99.5	104.1	3	*	**B-1

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AIRCRAFT MANUFACTURER AND TYPE	MTOW (LBS/ 1000)	LW (LBS/ 1000)	ENGINE		FLAPS			NOISE LEVELS EPND B				STAGE	NOTES	REFERENCE
			NUMBER ----- MODEL CODE	THRUST (LBS/ 1000)	BPR	TAKEOFF	APPR	ALT FEET	TAKEOFF	SIDE LINE	APPR			
BOEING B-747-SP	701.0	475.0	4 JT9D-7FV	48.2	5.1	10	30	1473	105.9	99.5	104.1	3	* **	B-1
BOEING B-747-SP	702.0	450.0	4 JT9D-7J	48.4	5.1	10	30	1479	106.0	99.5	103.3	3	* **	B-1
BOEING B-747-SP	694.0	450.0	4 RB.211-524B2	48.1	4.5	10	30	1565	99.6	99.6	102.8	3		B-1
BOEING B-747-SP	702.0	410.0	4 RB.211-524D4			10	30	1637	99.2	99.8	107.0	3		B-1
BOEING B-747-SR	571.0	564.0	4 CF6-45A2	44.5	4.3	10	30	2382	93.0	98.4	104.2	3		B-1
BOEING B-747-SR	570.0	564.0	4 JT9D-7A	43.7	5.1	10	30	2241	99.5	98.5	106.2	3	* **	A-1 B-1
BOEING B-747-SR	610.0	564.0	4 JT9D-7A	43.7	5.1	10	30	1874	102.4	99.3	106.7	3	* **	B-1
BOEING B-757-200	230.0	198.0	2 P+W 2037	38.2		5	30		87.6	93.7	97.6	3		NM
BOEING B-757-200	220.0	198.0	2 RB.211-535-E4	40.1		5	30		82.2	93.3	95.0	3		NM
BOEING B-757-200	240.0	198.0	2 RB.211-535-E4			5	30		84.8	93.1	95.0	3		NM
BOEING B-757-200	220.0	198.0	2 RB.211-535C	37.4	4.5	5	30		85.5	94.0	100.3	3		B-1

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UNITED STATES CERTIFICATED TURBOJET POWERED AIRCRAFT

AIRCRAFT MANUFACTURER AND TYPE	MTOW (LBS/ 1000)	LV (LBS/ 1000)	ENGINE		FLAPS			NOISE LEVELS EPND B			STAGE	NOTES	REFERENCE	
			NUMBER ----- MODEL CODE	THRUST (LBS/ 1000)	BPR	TAKEOFF	APPR.	ALT. FEET	TAKEOFF	SIDE LINE				APPR.
BOEING B-757-200	240.0	198.4	2 RB-211-535C	37.4		5	30		88.1	93.8	100.3	3		NM
BOEING B-767-200	279.9	257.0	2 CF6-80A	48.0		1	30		84.9	95.5	101.4	3		B-1
BOEING B-767-200	345.0	300.0	2 CF6-80A	48.0		1	30		91.3	95.0	101.7	3		B-1
BOEING B-767-200	279.9	257.0	2 CF6-80A2	50.0		1	30		84.2	97.2	101.4	3		B-1
BOEING B-767-200	351.0	300.0	2 CF6-80A2	50.0		1	30		90.9	96.6	101.7	3		B-1
BOEING B-767-200	282.0	257.0	2 JT9D-7R4D(A)	48.0	4.9	1	30		87.7	95.7	101.8	3		B-1
BOEING B-767-200	345.0	300.0	2 JT9D-7R4D(A)	48.0	4.9	1	30		94.6	95.3	102.7	3		B-1
BOEING B-767-200	282.0	257.0	2 JT9D-7R4D(B)	48.0		1	30		88.4	95.9	101.9	3		B-1
BOEING B-767-200	345.0	300.0	2 JT9D-7R4D(B)	48.0		1	30		95.2	95.5	102.6	3		B-1
BOEING B-767-200	282.0	257.0	2 JT9D-7R4E	50.0		1	30		87.5	96.8	101.9	3		B-1
BOEING B-767-200	351.0	300.0	2 JT9D-7R4E	50.0		1	30		94.8	96.3	102.6	3		B-1

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UNITED STATES CERTIFICATED TURBOJET POWERED AIRCRAFT

AIRCRAFT MANUFACTURER AND TYPE	MTOW (LBS/ 1000)	LV (LBS/ 1000)	ENGINE		FLAPS		NOISE LEVELS EPNDB					STAGE	NOTES	REFERENCE
			NUMBER MODEL CODE	THRUST (LBS/ 1000)	SFR	TAKEOFF	APPR.	ALT. FEET	TAKEOFF	SIDE LINE	APPR.			
BRITISH AEROSPACE 1-11 200	79.8	71.0	2 SPEY 504	10.4	1.0	3	45	1970	93.3	99.1	97.8	2	12	BA
BRITISH AEROSPACE 1-11 400	89.5	77.0	2 SPEY511-14/14V	11.4	0.7	0	45	1925	93.8	99.9	99.8	2	12	BA
BRITISH AEROSPACE 1-11 400	89.5	79.0	2 SPEY511-14/14V	11.4	0.7	0	45	1925	95.7	103.3	99.9	2		BA
BRITISH AEROSPACE 146-100A	76.0	72.4	4 ALF 502R-3	6.70	5.9	10	33	2310	83.0	87.2	95.1	3		CR
BRITISH AEROSPACE 146-200A	89.5	77.5	4 ALF 502R-3	6.70	5.9	10	33	1400	85.9	84.4	95.4	3		CR
BRITISH AEROSPACE HS 125-1A	21.7		2 TTE 731-3	3.78			45		84.2	98.0	96.0	3		BA
BRITISH AEROSPACE HS 125-1A	21.2		2 TTE 731-3R	3.78			45		83.4	98.1	96.0	3		BA
BRITISH AEROSPACE HS 125-3A	21.7		2 TTE 731-3	3.78			45		84.2	98.0	96.3	3		BA
BRITISH AEROSPACE HS 125-3A/RA	23.6		2 TTE 731-3	3.78			45		85.5	89.8	95.7	3		BA
BRITISH AEROSPACE HS 125-400A	23.6		2 TTE 731-3	3.78			45		85.5	89.8	95.7	3		BA
BRITISH AEROSPACE HS 125-400F	23.6	20.1	2 TTE 731-3	3.69	2.6		45	2700	85.5	89.8	95.7	3		BA

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UNITED STATES CERTIFICATED TURBOJET POWERED AIRCRAFT

AIRCRAFT MANUFACTURER AND TYPE	MTOW (LBS/ 1000)	LW (LBS/ 1000)	ENGINE		FLAPS			NOISE LEVELS EPND B				STAGE	NOTES	REFERENCE
			NUMBER ----- MODEL CODE	THRUST (LBS/ 1000)	BPR.	TAKEOFF	APPR.	ALT. FEET	TAKEOFF	SIDE LINE	APPR.			
BRITISH AEROSPACE HS 125-600A	25.5		2 TFE 731-3	3.78			45		88.0	89.2	96.3	3		BA
BRITISH AEROSPACE HS 125-600A	25.5		2 VIPER 601	3.65			45		92.3	99.2	102.9	2	12	BA
BRITISH AEROSPACE HS 125-700A	25.5		2 TFE 731-3	3.78			45		88.0	89.2	96.3	3		BA
BRITISH AEROSPACE HS 125-700A	25.5		2 TFE 731-3R	3.79			45		91.6	92.1	96.0	2	*	BA
BRITISH AEROSPACE 125-800	27.4	23.35	2 TFE731-5R-1H	4.30		0	45	1500	80.9	87.2	96.5	3		CR
CANADAIR CL-600	36.0	33.0	2 ALF-502	7.50	5.0	20	45		81.6	89.3	91.2	3	*	CR
CANADAIR CL-601 CHALLENGER	42.1	36.0	2 CF34-1A	8.65	6.3	20	45		79.4	84.9	89.4	3	*	CR
CESSNA 500 CITATION I	10.3	9.90	2 JT15D-1	76.4	3.3	15	40		79.0	86.1	87.7	3	*	CE
CESSNA 500/501 CITATION I	11.8	11.3	2 JT15D-1/-1A	2.20	3.3	15	40		76.4	86.1	87.7	3	*	CE
CESSNA 500/501 CITATION I	11.8	11.3	2 JT15D-1/-1A	2.20	3.3	15	40		76.4	86.1	87.7	3	*	CE
CESSNA 550 CITATION II	13.3	12.7	2 JT15D-4	2.50	3.3	15	40	3560	80.1	86.7	90.5	3	*	CE

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UNITED STATES CERTIFICATED TURBOJET POWERED AIRCRAFT

AIRCRAFT MANUFACTURER AND TYPE	MTOW (LBS/ 1000)	LV (LBS/ 1000)	ENGINE		FLAPS		NOISE LEVELS EPND8					STAGE	NOTES	REFERENCE
			NUMBER ----- MODEL CODE	THRUST (LBS/ 1000)	BPR	TAKEOFF	APPR	ALT FEET	TAKEOFF	SIDE LINE	APPR			
CESSNA 551 CITATION II	12.5	12.0	2 JT15D-4	2.50	3.3	15	40	3560	80.1	86.7	90.5	3		CE
CESSNA 650 CITATION III	21.0	17.0	2 TFE731-3B-100S	3.45	3.1	20	37	1304	84.9	92.5	92.4	3		CE
CESSNA 650 CITATION III	22.0	20.0	2 TFE731-3B-100S	3.45	3.1	20	37	1304	84.2	92.2	93.8	3		CE
DASSAULT BREGUET FALCON 10	18.3	17.2	2 TFE 731-2	3.20	2.8	15	32		82.9	86.4	95.3	3		CR
DASSAULT BREGUET FALCON 200 MYSTERE	32.0	27.6	2 ATF3-6-4C	5.06	2.9	5	40	2240	83.9	89.0	93.9	3		EU
DASSAULT BREGUET FALCON 50	38.8	35.7	3 TFE 731-2	3.70	2.8	20	48		84.3	91.6	97.4	3		CR
FOKKER F28 MK1000	65.0	59.0	2 SPEY MK555-15	9.39	1.0	6	42		90.0	99.5	101.2	2		NH
FOKKER F28 MK3000	71.0	64.0	2 SPEY MK555-15H	9.77	1.0	6	42		91.0	99.3	99.4	2		NH
FOKKER F28 MK4000	73.0	65.8	2 SPEY MK555-15H	9.77	1.0	6	42		91.9	99.2	99.4	2		NH
FOKKER F28 MK4000	73.0	69.5	2 SPEY MK555-15P	9.85	1.0	6	42		92.9	101.7	101.4	2		NH

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UNITED STATES CERTIFICATED TURBOJET POWERED AIRCRAFT

AIRCRAFT MANUFACTURER AND TYPE	MTOW: (LBS/ 1000)	LV (LBS/ 1000)	ENGINE		FLAPS		NOISE LEVELS EPNDB					NOTES	REFERENCE	
			NUMBER ----- MODEL CODE	THRUST: (LBS/ 1000)	SFR	TAKEOFF	APPR.	ALT. FEET	TAKEOFF	SIDE LINE	APPR.			STAGE
GATES LEARJET 23	12.5	11.9	2 CJ610-17-4	1.34		10			88.0	103.8	98.0	2		CR
GATES LEARJET 24	13.0	11.9	2 CJ610-17-4	1.37		10			89.0	103.8	98.0	2		CR
GATES LEARJET 24/24D	13.5	11.9	2 CJ610-6	2.95		20	40		91.8	99.3	100.7	2	13	A-1,GA-1
GATES LEARJET 24D	13.5	11.9	2 CJ610-6	2.95		20	40		91.8	99.3	101.7	2	14	GA-1
GATES LEARJET 24D	13.5	11.9	2 CJ610-6	2.95		20	40	4472	91.9	104.0	96.7	2		CE,GA-1
GATES LEARJET 24E	12.9	11.9	2 CJ610-6	2.95		8	40		84.3	103.9	95.3	2		A-1,GA-1
GATES LEARJET 24F	13.5	11.9	2 CJ610-6	2.95		8	40		85.8	103.7	95.3	2		A-1,GA-1
GATES LEARJET 24F-A	12.5	11.9	2 CJ610-6	2.95		8	40		83.6	103.9	95.3	2		GA-1
GATES LEARJET 25	15.0	13.3	2 CJ610-6	1.91					94.0	99.3	100.8	2		A-1
GATES LEARJET 25C	15.0	13.3	2 CJ610-6	2.95		20	40		94.0	99.3	100.8	2	13	A-1,GA-1
GATES LEARJET 25D	15.0	13.3	2 CJ610-6	2.95		20	40		94.0	99.3	102.7	2	14	A-1,GA-1

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AIRCRAFT MANUFACTURER AND TYPE	MTOW (LBS/ 1000)	LW (LBS/ 1000)	ENGINE		FLAPS			NOISE LEVELS EPND					STAGE	NOTES	REFERENCE
			NUMBER ----- MODEL CODE	THRUST (LBS/ 1000)	SPR	TAKEOFF	APPR	ALT FEET	TAKEOFF	SIDE LINE	APPR.				
GATES LEARJET 25D/25F	15.0	13.3	2 CJ610-6/8A	2.95		8	40		90.1	103.7	95.2	2		CA-1	
GATES LEARJET 28/29	15.0	14.3	2 CJ610-8A	2.95		8	40		87.0	99.7	101.7	2		CA-1	
GATES LEARJET 35/36	17.0	14.3	2 TFE 731-2-2B	3.50	2.0	20	40	3250	84.0	86.9	92.2	3	*	CE, CA-1	
GATES LEARJET 35/36	18.0	14.3	2 TFE731-2-2B	3.50		20	40	2847	84.5	87.9	92.2	3	*	CA-1	
GATES LEARJET 35A	18.0	14.3	2 TFE 731-2-2B	3.50		20	40		83.6	87.4	91.3	3	*	CA-1	
GATES LEARJET 35A/36A	18.0	14.3	2 TFE 731-2-2B	3.50		8	40	2980	78.7	87.4	91.3	3		CE	
GATES LEARJET 35A/36A	18.3	15.3	2 TFE 731-2-2B	3.50		8	40	3160	79.2	86.7	91.4	3		CE	
GATES LEARJET 36A	18.3	15.3	2 TFE731-2-2B	3.50		20	40		83.9	87.8	91.4	3	*	CA-1	
GATES LEARJET 55	19.5	17.0	2 TFE731-3A-2B	3.70		8	40	3258	84.2	90.9	90.6	3	*	CE, CA-1	
GATES LEARJET 55	21.0	17.0	2 TFE731-3A-2B	3.70		8	40		85.5	90.7	90.6	3	*	CE, CA-1	
GULFSTREAM AMER. C-11 GULFSTREAM	42.0	58.5	2 SPEY 511-8	11.4		20	39	2400	90.0	102.7	98.2	2	12	A-1 SO	

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UNITED STATES CERTIFICATED TURBOJET POWDERED AIRCRAFT

AIRCRAFT MANUFACTURER AND TYPE	MTOW (LBS/ 1000)	LW (LBS/ 1000)	ENGINE		FLAPS			NOISE LEVELS EPND8					NOTES	REFERENCE
			NUMBER ----- MODEL CODE	THRUST (LBS/ 1000)	SPR.	TAKEOFF	APPR.	ALT. FEET	TAKEOFF	SIDE LINE	APPR.	STAGE		
GULFSTREAM AMER. G-11 GULFSTREAM	65.5	58.5	2 SPEY 511-8	11.4		10	39	2820	92.5	103.0	98.4	2	12	SO
GULFSTREAM AMER. G-11B/G-111	68.2	58.5	2 SPEY 511-8	11.4		10	39	2800	91.3	102.9	97.3	2	12	SO
GULFSTREAM AMER. G-111	69.7	58.5	2 SPEY 511-8	11.4		10	39	2562	91.1	103.4	97.3	2	12	SO
ISRAEL AIRCRAFT 1124 WESTWIND	22.9		2 TFE731-3-1C	3.70		20	20		81.2	80.3	88.4	3		A-1
LOCKHEED 1329-23	43.8		4 TFE731-3-1E	3.70	2.8	20	59		92.7	88.1	94.9	2	*	**A-1, SO
LOCKHEED 1329-25 JETSTAR II	44.5	36.0	4 TFE731-3	3.70	2.8				93.1	88.1	94.9	2	*	**SO
LOCKHEED L-1011	430.0	358.0	3 RB 211-22B	41.0		14	42		95.9	95.1	102.8	3	5*	A-1
LOCKHEED L-1011-1	430.0	358.0	3 RB 211-22B	42.0		10	42		96.0	95.0	102.8	3	5*	L-1
LOCKHEED L-1011-100	466.0	368.0	3 RB 211-22B	42.0		10	42		98.5	94.9	102.8	3	5*	L-1
LOCKHEED L-1011-200	466.0	368.0	3 RB 211-524B	50.0		10	33		98.1	97.9	101.4	3	5*	L-1
LOCKHEED L-1011-500	496.0	368.0	3 RB 211-524B	50.0		14	33		98.4	97.8	101.5	3	5*	L-1

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UNITED STATES CERTIFICATED TURBOJET POWERED AIRCRAFT

AIRCRAFT MANUFACTURER AND TYPE	MTOW (LBS/ 1000)	ENGINE NUMBER MODEL CODE	WING SPAN (LBS/ 1000)	FLIGHT CATEGORY	NOISE LEVELS (DB)				STAGE NOISE REFERENCE	
					TAKEOFF APPR. ALT. FEET	TAKEOFF APPR. ALT. FEET	CRUISE APPR. ALT. FEET	APPR. APPR. ALT. FEET		
LOCKHEED L-1011-500	494.0	3	59.0	10	33	97.4	96.7	100.3	3	15-1
LOCKHEED L-1011-500	504.0	3	59.0	22	33	98.0	96.7	100.2	3	15-1
LOCKHEED L-1011-500	510.0	3	59.0	10	33	97.3	94.4	102.0	3	15-1
MCDONNELL DOUGLAS DC-88-62 V/ADC CR	335.0	4	1.0	12	50	927	92.3	100.3	3	16
MCDONNELL DOUGLAS DC-88-62 V/ADC CR	350.0	4	1.0	12	50	795	92.3	100.3	2	16
MCDONNELL DOUGLAS DC-88-62 V/ADC CR	335.0	4	1.0	12	50	933	92.3	100.3	2	16
MCDONNELL DOUGLAS DC-88-62 V/ADC CR	350.0	4	1.5	12	50	871	92.3	100.3	2	16
MCDONNELL DOUGLAS DC-88-62 V/ADC CR	335.0	4	1.0	12	50	937	97.3	107.0	2	16
MCDONNELL DOUGLAS DC-88-62 V/ADC CR	350.0	4	1.0	12	50	937	97.3	107.0	2	16
MCDONNELL DOUGLAS DC-88-62 V/ADC CR	335.0	4	1.0	12	50	937	97.3	107.0	2	16
MCDONNELL DOUGLAS DC-88-62 V/ADC CR	350.0	4	1.0	12	50	937	97.3	107.0	2	16
MCDONNELL DOUGLAS DC-88-62 V/ADC CR	335.0	4	1.0	12	50	937	97.3	107.0	2	16
MCDONNELL DOUGLAS DC-88-62 V/ADC CR	350.0	4	1.0	12	50	937	97.3	107.0	2	16

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AIRCRAFT MANUFACTURER AND TYPE	MTOW (LBS/ 1000)	LV (LBS/ 1000)	ENGINE		FLAPS		NOISE LEVELS EPNDB						NOTES	REFERENCE
			NUMBER ----- MODEL CODE	THRUST (LBS/ 1000)	INPR.	TAKEOFF	APPR.	ALT. FEET	TAKEOFF	SIDE LINE	APPR.	STAGE		
MCDONNELL DOUGLAS DC-88-63 W/ADC OM	355.0	245.0	4 JT3D-3B	1.81		12	50	774	104.8	98.1	108.3	2	16	MM
MCDONNELL DOUGLAS DC-88-63 W/ADC OM	355.0	275.0	4 JT3D-3B	1.81		12	50	774	104.8	98.1	108.4	2	16	MM
MCDONNELL DOUGLAS DC-88-63 W/ADC OM	355.0	245.0	4 JT3D-7	1.83		12	50	810	104.1	98.2	108.3	2	16	MM
MCDONNELL DOUGLAS DC-88-63 W/ADC OM	355.0	275.0	4 JT3D-7	1.83		12	50	810	104.1	108.4	108.4	2	16	MM
MCDONNELL DOUGLAS DC-88-63 W/TNC OM	355.0	240.0	4 JT3D-3B			12	50		101.7	99.1	107.8	2	16	SV
MCDONNELL DOUGLAS DC-88-63 W/TNC OM	350.0	250.0	4 JT3D-3B			12	50		103.4	98.8	107.9	2	16	SV
MCDONNELL DOUGLAS DC-88-63 W/TNC OM	335.0	250.0	4 JT3D-7			12	35		100.7	101.0	106.5	2	16	SV
MCDONNELL DOUGLAS DC-88-63 W/TNC OM	355.0	275.0	4 JT3D-7			12	35		102.7	100.7	107.6	2	16	SV
MCDONNELL DOUGLAS DC-88-71	325.0	240.0	4 CFM56-2-C1	22.0	6.0	15	50	1429	94.3	92.9	98.3	3	18	D-1
MCDONNELL DOUGLAS DC-88-71	328.0	258.0	4 CFM56-2-C1	22.0	6.0	15	50	1385	94.5	92.9	98.6	3	18	D-1
MCDONNELL DOUGLAS DC-88-72	335.0	240.0	4 CFM56-2-C1	22.0	6.0	12	50	1421	94.4	92.9	98.1	3	18	D-1

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UNITED STATES CERTIFICATED TURBOJET POWERED AIRCRAFT

AIRCRAFT MANUFACTURER AND TYPE	MTOW (LBS/ 1000)	LV (LBS/ 1000)	ENGINE		FLAPS		NOISE LEVELS EPNdB					STAGE	NOTES	REFERENCE
			NUMBER ----- MODEL CODE	THRUST (LBS/ 1000)	BPR.	TAKEOFF	APPR.	ALT. FEET	TAKEOFF	SIDE LINE	APPR.			
MCDONNELL DOUGLAS DC-08-72	350.0	250.0	4 CFM56-2-C1	22.0	6.0	12	50	1217	95.2	92.8	98.2	3	*	D-1
MCDONNELL DOUGLAS DC-08-73	355.0	258.0	4 CFM56-2-C1	22.0	6.0	12	50	1151	95.7	92.8	98.3	3	*	D-1
MCDONNELL DOUGLAS DC-08-73	355.0	275.0	4 CFM56-2-C1	22.0	6.0	12	50	1151	95.7	92.8	98.5	3	*	D-1
MCDONNELL DOUGLAS DC-09-10	90.7	81.7	2 JT8D-7	14.0	1.1	10	50		91.4	100.8	103.1	2	3	D-2
MCDONNELL DOUGLAS DC-09-10	90.7	81.7	2 JT8D-7/-7A	14.0	1.1	10	50	2271	91.4	101.4	100.4	2	1	D-1
MCDONNELL DOUGLAS DC-09-30	98.0	93.4	2 JT8D-15	15.5	1.0	0	50	2586	91.2	101.1	98.4	2	1	D-1
MCDONNELL DOUGLAS DC-09-30	114.0	102.0	2 JT8D-15	15.5	1.0	0	50	1917	95.8	100.5	99.0	2	1	D-1
MCDONNELL DOUGLAS DC-09-30	103.0	98.1	2 JT8D-17	16.0	1.0	0	50	2521	92.7	103.5	101.1	2	1	D-1
MCDONNELL DOUGLAS DC-09-30	108.0	98.1	2 JT8D-17	16.0	1.0	0	50	2265	94.3	103.7	101.1	2	1	D-1
MCDONNELL DOUGLAS DC-09-30	110.0	101.0	2 JT8D-7	14.0	1.1	0	50	1482	95.9	97.1	97.3	2	1	D-1
MCDONNELL DOUGLAS DC-09-30	108.0	99.0	2 JT8D-7A	14.0	1.1	0	50	1560	95.1	97.3	97.3	2	1	D-1

APPENDIX 1
AIRCRAFT NOISE DATA FOR
UNITED STATES CERTIFICATED TURBOJET POWERED AIRCRAFT

AIRCRAFT MANUFACTURER AND TYPE	MTOW (LBS/ 1000)	LV (LBS/ 1000)	ENGINE		FLAPS			NOISE LEVELS EPNdB					NOTES	REFERENCE
			NUMBER MODEL CODE	THRUST (LBS/ 1000)	RPM	TAKEOFF	APPR	ALT FEET	TAKEOFF	SIDE LINE	APPR	STAGE		
MCDONNELL DOUGLAS DC-87-30	103.0	99.0	2 JT8D-9	14.5	1.0	0	50	1800	94.3	99.0	99.0	2	11	D-1
MCDONNELL DOUGLAS DC-87-30	100.0	99.0	2 JT8D-9	14.5	1.0	0	50		94.6	100.4	103.8	2	13	D-2
MCDONNELL DOUGLAS DC-87-30	110.0	101.0	2 JT8D-9	14.5	1.0	0	50		97.3	100.3	100.2	2	13	D-1
MCDONNELL DOUGLAS DC-87-30	114.0	102.0	2 JT8D-9	14.5	1.0	0	50		97.1	99.0	99.4	2	11	D-1
MCDONNELL DOUGLAS DC-87-34	121.0	110.0	2 JT8D-15	15.5	1.0	0	50	1733	97.8	102.1	101.4	2	11	D-1
MCDONNELL DOUGLAS DC-87-34	121.0	110.0	2 JT8D-17	14.0	1.0	0	50	1856	98.0	103.0	101.9	2	11	D-1
MCDONNELL DOUGLAS DC-87-34	110.0	101.0	2 JT8D-9	14.5	1.0	0	50		96.1	98.8	99.1	2	11	D-1
MCDONNELL DOUGLAS DC-87-40	114.0	102.0	2 JT8D-11	15.0	1.0	0	50	1577	96.8	99.5	99.4	2	11	D-1
MCDONNELL DOUGLAS DC-87-40	114.0	102.0	2 JT8D-15	15.5	1.0	0	50	1917	95.8	100.5	99.4	2	11	D-1
MCDONNELL DOUGLAS DC-87-50	115.0	110.0	2 JT8D-15	15.5	1.0	0	50		96.1	102.4	101.9	2	11	D-1
MCDONNELL DOUGLAS DC-87-50	121.0	110.0	2 JT8D-15	15.5	1.0	0	50	1752	97.8	102.2	101.9	2	11	D-1

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APPENDIX 1
AIRCRAFT NOISE DATA FOR
UNITED STATES CERTIFICATED TURBOJET POWERED AIRCRAFT

AIRCRAFT MANUFACTURER AND TYPE	MTOW (LBS/ 1000)	LW (LBS/ 1000)	ENGINE		FLAPS		NOISE LEVELS EPND B					STAGE	NOTES	REFERENCE
			NUMBER ----- MODEL CODE	THRUST (LBS/ 1000)	SPR	TAKEOFF	APPR	ALT FEET	TAKEOFF	SIDE LINE	APPR			
MCDONNELL DOUGLAS DC-09-50	115.0	104.0	2 JT8D-17	16.0	1.0	0	50		96.4	103.4	101.6	2	1	D-1
MCDONNELL DOUGLAS DC-09-50	121.0	110.0	2 JT8D-17	16.0	1.0	0	50	1877	98.1	103.2	101.9	2	1	D-1
MCDONNELL DOUGLAS DC-10-10	410.0	347.8	3 CF6-6D	39.3	5.7	14	50		97.4	97.0	104.9	3	*	D-1
MCDONNELL DOUGLAS DC-10-10	455.0	363.5	3 CF6-6D	39.3	5.7	0	50		101.8	96.0	105.5	3	*	D-1
MCDONNELL DOUGLAS DC-10-10	430.0	363.5	3 CF6-6D1	40.3	5.8	11	50		98.1	97.0	105.5	3	*	D-1
MCDONNELL DOUGLAS DC-10-10	455.0	363.5	3 CF6-6D1	40.3	5.8	4	50		100.2	96.6	105.5	3	*	D-1
MCDONNELL DOUGLAS DC-10-10	430.0	363.5	3 CF6-6D1A	40.9	5.8	11	50		98.1	97.0	105.5	3	*	D-1
MCDONNELL DOUGLAS DC-10-10	455.0	363.5	3 CF6-6D1A	40.9	5.8	4	50		100.2	96.6	105.5	3	*	D-1
MCDONNELL DOUGLAS DC-10-10	410.0	347.8	3 CF6-6K	39.3	5.9	14	50		96.8	96.3	103.3	3	*	D-2
MCDONNELL DOUGLAS DC-10-10	455.0	363.5	3 CF6-6K	39.3	5.9	0	50		100.9	95.5	103.8	3	*	D-2
MCDONNELL DOUGLAS DC-10-10	430.0	347.8	3 CF6-6K2	40.9	5.9	11	50		97.4	96.5	103.3	3	*	D-2

APPENDIX 1
AIRCRAFT NOISE DATA FOR
UNITED STATES CERTIFICATED TURBOJET POWERED AIRCRAFT

AIRCRAFT MANUFACTURER AND TYPE	MTOW (LBS/ 1000)	LW (LBS/ 1000)	ENGINE		FLAPS		NOISE LEVELS EPNDB					STAGE	NOTES	REFERENCE
			NUMBER ----- MODEL CODE	THRUST (LBS/ 1000)	BPR	TAKEOFF	APPR.	ALT. FEET	TAKEOFF	SIDE LINE	APPR.			
MCDONNELL DOUGLAS DC-10-10	455.0	363.5	3 CF6-6K2	40.9	5.9	4	50		99.3	96.1	103.8	3	*	D-2
MCDONNELL DOUGLAS DC-10-15	455.0	363.5	3 CF6-50C2-F	45.6	4.6	5	50		94.6	95.8	103.1	3		D-1
MCDONNELL DOUGLAS DC-10-30	555.0	411.0	3 CF6-50C/H	50.4	4.3	10	50		103.8	98.2	108.4	2	*	D-3
MCDONNELL DOUGLAS DC-10-30	572.0	421.0	3 CF6-50C/H	50.4	4.3	10	50		104.4	98.1	108.4	2	*	D-1
MCDONNELL DOUGLAS DC-10-30	534.4	421.0	3 CF6-50C1	51.8	4.2	10	50		103.0	99.9	109.0	2	*	D-1
MCDONNELL DOUGLAS DC-10-30	572.0	421.0	3 CF6-50C1	51.8	4.2	10	50		104.4	99.7	109.0	2	*	D-1
MCDONNELL DOUGLAS DC-10-30	555.0	403.0	3 CF6-50C2	51.8	4.3	5	50		96.8	97.8	105.0	3		D-3
MCDONNELL DOUGLAS DC-10-30	555.0	424.0	3 CF6-50C2	51.8	4.3	5	50		96.8	97.8	106.0	3	15	D-3
MCDONNELL DOUGLAS DC-10-30	590.0	411.0	3 CF6-50C2	51.8	4.3	15	50		99.0	97.9	105.3	3		D-3
MCDONNELL DOUGLAS DC-10-30	590.0	436.0	3 CF6-50C2	51.8	4.3	15	50		99.0	97.7	106.4	3	15	D-3
MCDONNELL DOUGLAS DC-10-30	555.0	403.0	3 CF6-50C2-R	50.4	4.4	10	50		97.6	97.6	105.7	3		D-1

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APPENDIX 1
AIRCRAFT NOISE DATA FOR
UNITED STATES CERTIFICATED TURBOJET POWERED AIRCRAFT

AIRCRAFT MANUFACTURER AND TYPE	MTOW (LBS/ 1000)	LV (LBS/ 1000)	ENGINE		FLAPS		NOISE LEVELS EPND8					STAGE	NOTES	REFERENCE
			NUMBER MODEL CODE	THRUST (LBS/ 1000)	BPR.	TAKEOFF	APPR.	ALT. FEET	TAKEOFF	SIDE LINE	APPR.			
MCDONNELL DOUGLAS DC-10-30	572.0	421.0	3 CF6-50C2-R	50.4	4.6	10	50		98.6	97.5	106.5	3		D-1
MCDONNELL DOUGLAS DC-10-30	555.0	403.0	3 CF6-50C2B	53.2	4.3	5	50		96.1	98.4	105.0	3		D-3
MCDONNELL DOUGLAS DC-10-30	555.0	424.0	3 CF6-50C2B	53.2	4.3	5	50		96.1	98.4	106.0	3	15	D-3
MCDONNELL DOUGLAS DC-10-30	572.0	424.0	3 CF6-50C2B	53.2	4.3	10	50		97.4	98.5	106.0	3	15	D-3
MCDONNELL DOUGLAS DC-10-30	590.0	411.0	3 CF6-50C2B	53.2	4.3	15	50		98.7	98.5	105.3	3		D-3
MCDONNELL DOUGLAS DC-10-40	538.0	403.8	3 JT9D-20D	44.5	5.0	10	50		100.8	95.2	105.7	3	*	D-1
MCDONNELL DOUGLAS DC-10-40	555.0	403.0	3 JT9D-59A	51.7	4.9	10	50		101.4	98.0	106.4	3	*	D-1
MCDONNELL DOUGLAS DC-10-40	572.0	403.0	3 JT9D-59A	51.7	4.9	10	50		102.2	97.9	106.4	3	*	D-1
MCDONNELL DOUGLAS MD-80	140.0	128.0	2 JT8D-209	18.5	1.8	0	40		89.4	94.0	92.8	3	10	D-2
MCDONNELL DOUGLAS MD-80	149.5	138.0	2 JT8D-209	18.5	1.8	0	40		91.8	93.8	92.9	3	10	D-2
MCDONNELL DOUGLAS MD-80	142.0	138.0	2 JT8D-217	20.0	1.8	0	40		88.7	95.2	92.9	3	10	D-2

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APPENDIX 1
AIRCRAFT NOISE DATA FOR
UNITED STATES CERTIFICATED TURBOJET POWERED AIRCRAFT

AIRCRAFT MANUFACTURER AND TYPE	MTOW (LBS/ 1000)	LW (LBS/ 1000)	ENGINE		FLAPS		NOISE LEVELS EPND B					STAGE	NOTES	REFERENCE
			NUMBER ----- MODEL CODE	THRUST (LBS/ 1000)	BPR	TAKEOFF	APPR.	ALT FEET	TAKEOFF	SIDE LINE	APPR.			
MCDONNELL DOUGLAS MD-80	160.0	150.0	2 JT8D-217	20.0	2.8	2	40		92.7	95.1	93.7	3	10	D-2
MCDONNELL DOUGLAS MD-80	140.0	128.0	2 JT8D-219	21.0	1.7	0	40		87.2	96.5	92.8	3	10	D-2
MCDONNELL DOUGLAS MD-80	140.0	150.0	2 JT8D-219	21.0	1.7	2	40		91.5	96.4	93.7	3	10	D-2
MITSUBISHI MU-300	14.1	13.2	2 JT15D-4	2.50		10	30		86.3	88.0	85.8	3	*	CR
MITSUBISHI MU-300-10	15.78	14.2	2 JT15D-5	2.88		10	30		88.6	93.7	91.4	3	*	SW
ROCKWELL INTERNAT. SABRELINER 60	20.2		2 JT12A-8	3.30			24		95.0	100.3	98.5	2	*	A-1
ROCKWELL INTERNAT. SABRELINER 65	24.0	21.8	2 TFE731-3R	3.70	2.8				84.0	93.0	90.6	3	*	CR
ROCKWELL INTERNAT. SABRELINER 75A	23.0		2 CF700-2D-2	4.30		15	25		90.7	91.3	100.2	2	*	A-1
ROCKWELL INTERNAT. SABRELINER 80	23.3	22.0	2 CF700-2D-2	4.32	2.0				90.7	91.3	100.2	2	*	CR

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APPENDIX 1 REFERENCES

A-1	ADVISORY CIRCULAR 36-1B	12/5/77
AI	EASTERN AIRLINES	
B-1	BOEING	
BA	BRITISH AEROSPACE	
CE	CENTRAL REGION	
CR	CERTIFICATION REPORTS	
D-1	MCDONNELL DOUGLAS	2/24/83
D-2	MCDONNELL DOUGLAS	9/5/85
D-3	MCDONNELL DOUGLAS	9/24/85
EU	EUROPEAN REGION	
GA-1	GATES LEARJET	
L-1	LOCKHEED	
NM	NORTHWEST MOUNTAIN REGION	
SO	SOUTHERN REGION	
SW	SOUTHWEST REGION	

APPENDIX 1 NOTES

-
- 1 ENGINES EQUIPPED WITH P-36 ACOUSTICAL TREATMENT (MCDONNELL DOUGLAS AIRCRAFT)
 - 2 QUIET NACELLES AND FAN CASE DOUBLE ACOUSTIC TREATMENT (BOEING AIRCRAFT)
 - 3 FAN CASE DOUBLE ACOUSTIC TREATMENT (BOEING AIRCRAFT)
 - 4 AT TOGW OF 445K OR LESS AND LANDING WEIGHTS OF 400K OR LESS, THE CENTER LANDING GEAR RETRACTED.
 - 5 DIRECT LIFT CONTROL USED ON APPROACH.
 - 6 ENGINE INLET AND FAN DUCT TREATMENT INSTALLED PER APPROPRIATE STC
 - 10 DC-9-80 NORMAL TAKEOFF POWER
 - 12 EQUIPPED WITH STANDARD HUSH KIT
 - 13 EQUIPPED WITH LEARAVIA ENGINE SUPPRESSOR NOZZLE (GATES LEARJET)
 - 14 EQUIPPED WITH LEARAVIA WITH ECR 936 (GATES LEARJET)
 - 15 REVISED FORWARD CENTER OF GRAVITY ON APPROACH
 - 16 DATA ALSO APPLIES TO JT8D-7A AND JT8D-7B ENGINES
 - 17 DATA ALSO APPLIES TO JT8D-9A
 - 18 DATA ALSO APPLIES TO JT8D-15A
 - 19 DATA ALSO APPLIES TO JT8D-17A
 - 20 DATA ALSO APPLIES TO JT8D-17AR
 - * FULL POWER TAKEOFF
 - ** 650 METER SIDELINE

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EQUATIONS FOR THE CALCULATION OF NOISE CERTIFICATION LIMITS
AT TAKEOFF, SIDELINE, AND APPROACH
STAGE 2

	<u>Takeoff Limits</u> EPNdB	<u>Sideline limits</u> EPNdB	<u>Approach Limits</u> EPNdB
Up to and including 75,000 lbs	93	102	102
Over 75,000 lbs to 600,000 lbs	$61.86+16.61\log W$	$89.54+6.64\log W$	$89.54+6.64\log W$
Over 600,000 lbs	108	108	108

W=Maximum Takeoff Weight in 1000 lbs

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EQUATIONS FOR THE CALCULATION OF NOISE CERTIFICATION LIMITS
AT TAKEOFF

STAGE 3
TAKEOFF
EPNdB

4 ENGINE OR MORE
EPNdB

Up to and including 44,673 lbs	89
Over 44,673 lbs to 850,000 lbs	$67.07+13.29\log W$
Over 850,000 lbs	106

3 ENGINE

Up to and including 63,177 lbs	89
Over 63,177 to 850,000 lbs	$65.07+13.29\log W$
Over 850,000 lbs	104

2 ENGINE OR LESS

Up to and including 106,250 lbs	89
Over 106,250 lbs to 850,000 lbs	$67.07+13.29\log W$
Over 850,000 lbs	101

W = Maximum Takeoff Weight in 1000 lbs

EQUATIONS FOR THE CALCULATION OF NOISE CERTIFICATION LIMITS
AT SIDELINE AND APPROACHSTAGE 3
SIDELINE
EPNdB

Up to and including 77,200 lbs	94
Over 77,200 lbs to 882,000 lbs	$77.94 + 8.51 \log W$
Over 882,000 lbs	103

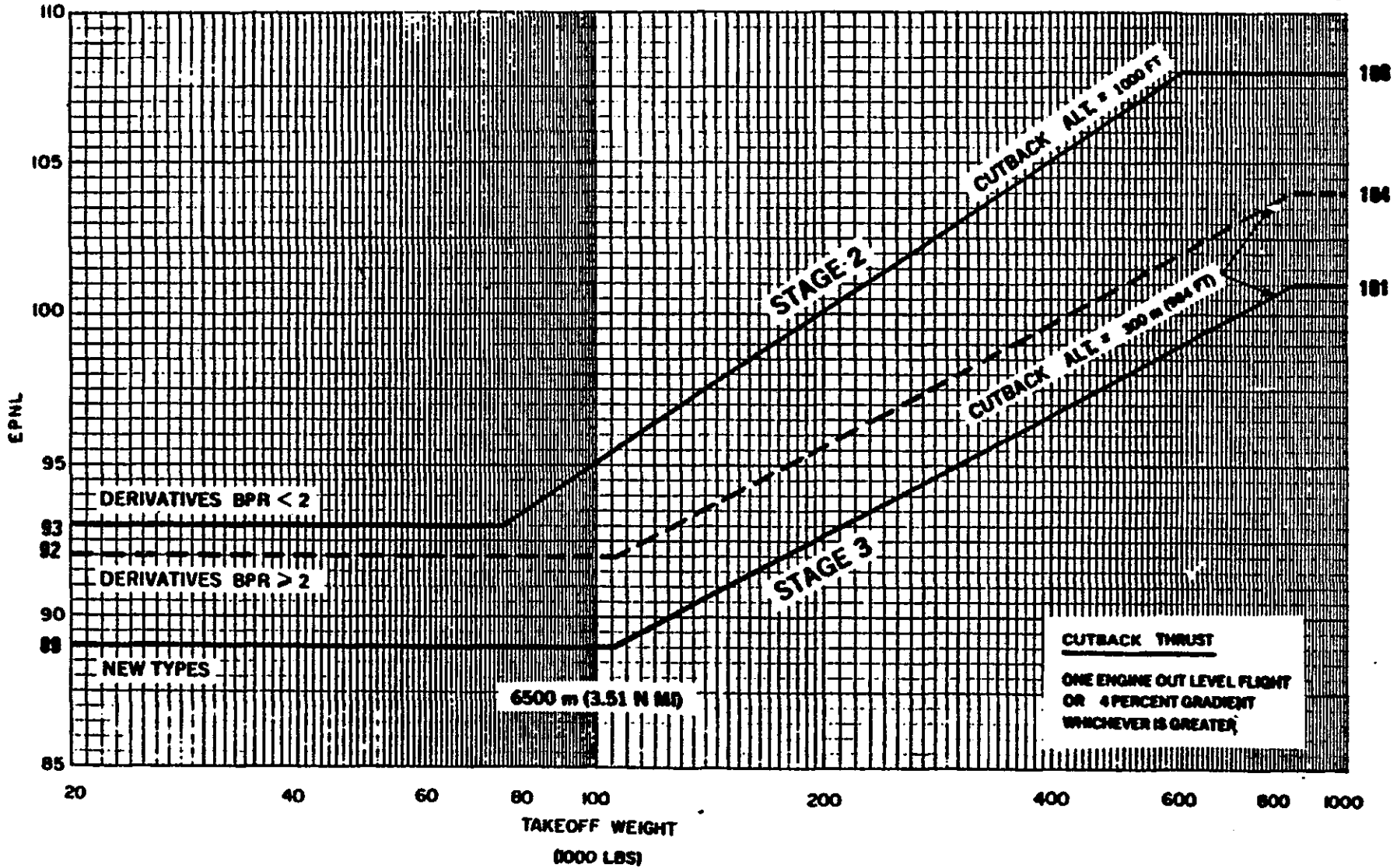
STAGE 3
APPROACH
EPNdB

Up to and including 77,200 lbs	98
Over 77,200 lbs to 617,300 lbs	$83.37 + 7.75 \log W$
Over 617,300 lbs	105

W = Maximum Takeoff Weight in 1000 lbs

NOISE CERTIFICATION REQUIREMENTS: JET AND TRANSPORT AIRCRAFT - 1978 FAR PART 36

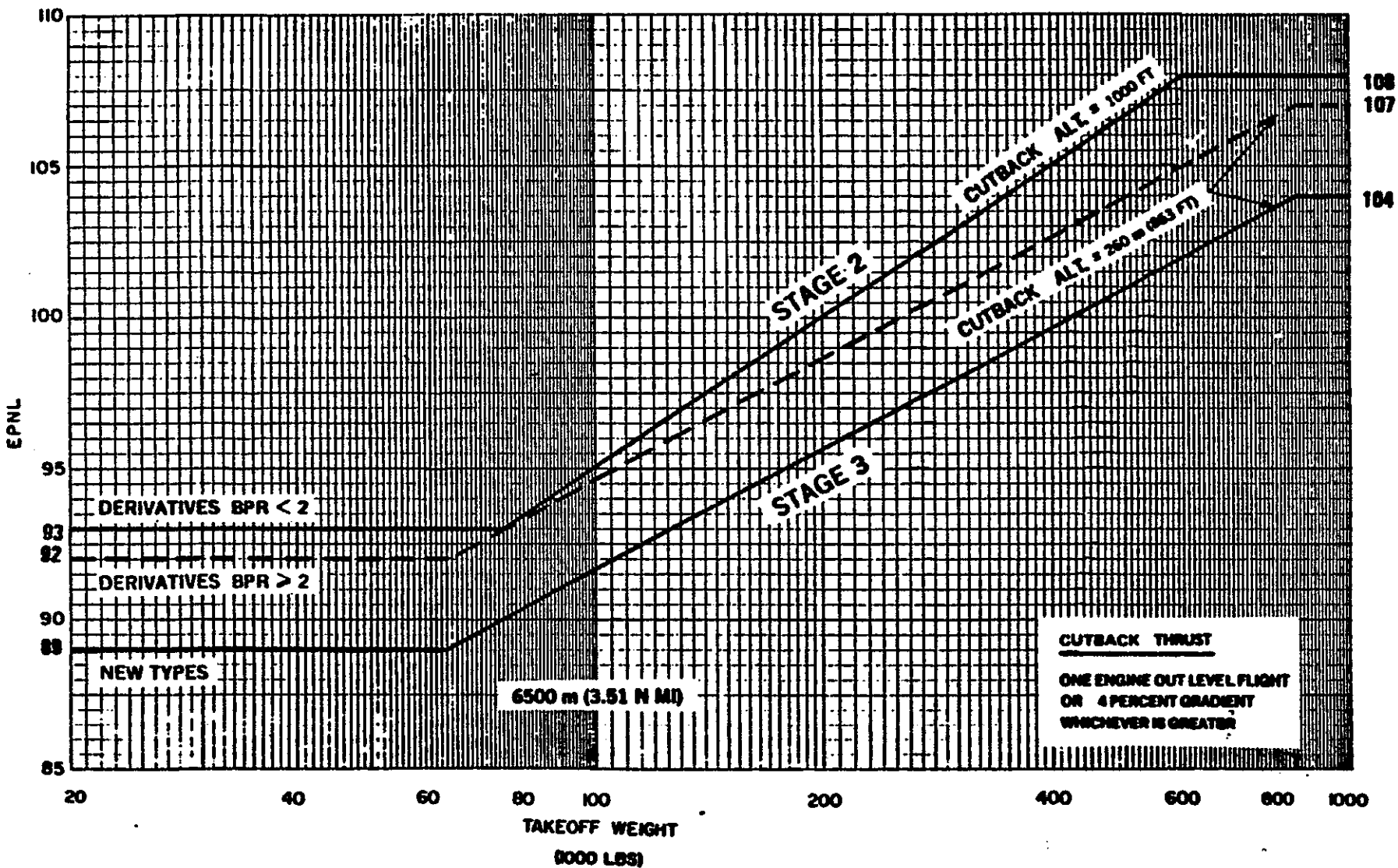
TAKEOFF
- 2 ENGINE



NOISE CERTIFICATION REQUIREMENTS: JET AND TRANSPORT AIRCRAFT -- 1978 FAR PART 36

TAKEOFF
- 3 ENGINE

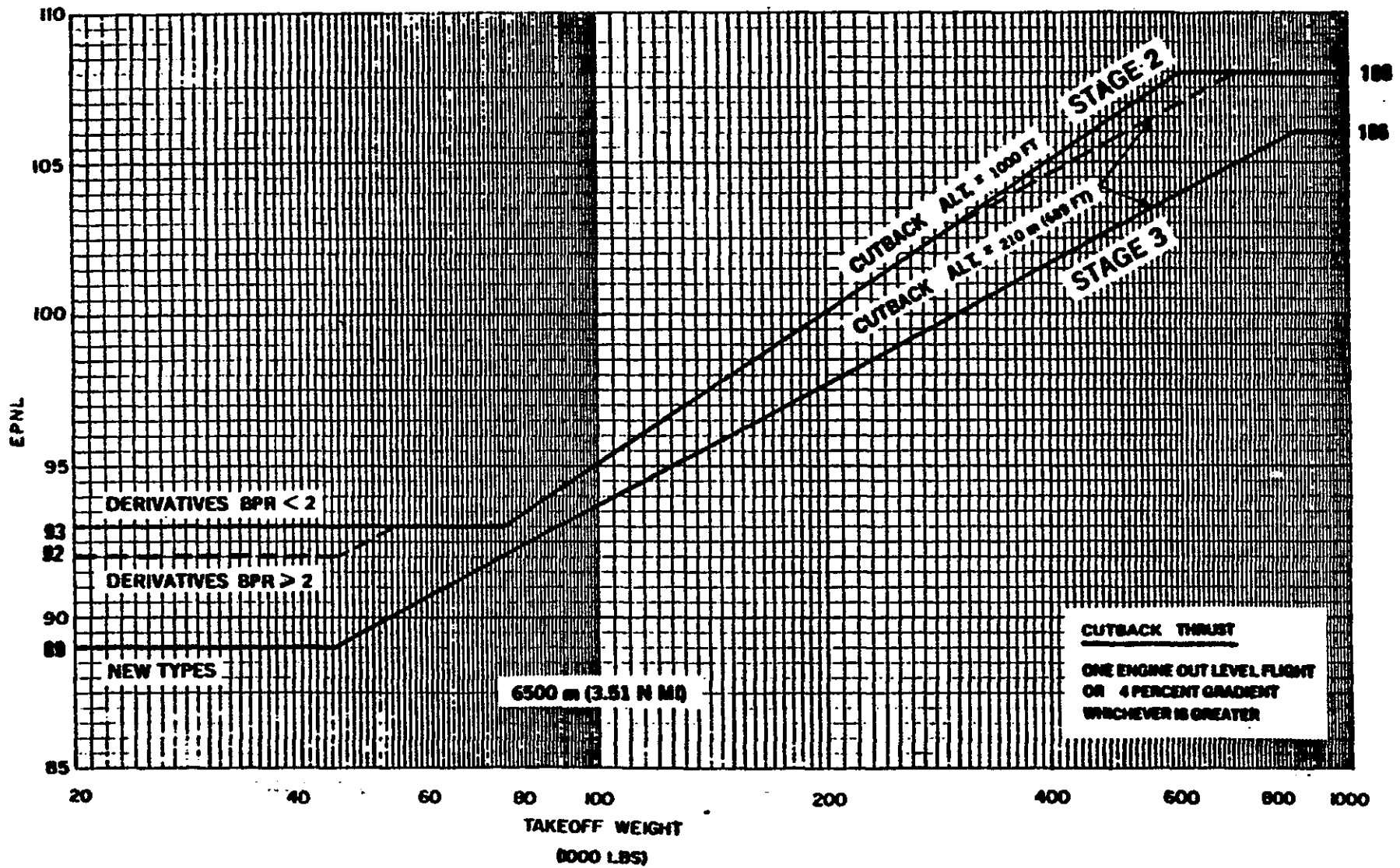
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NOISE CERTIFICATION REQUIREMENTS: JET AND TRANSPORT AIRCRAFT - 1978 FAR PART 36

TAKEOFF
- 4 ENGINE

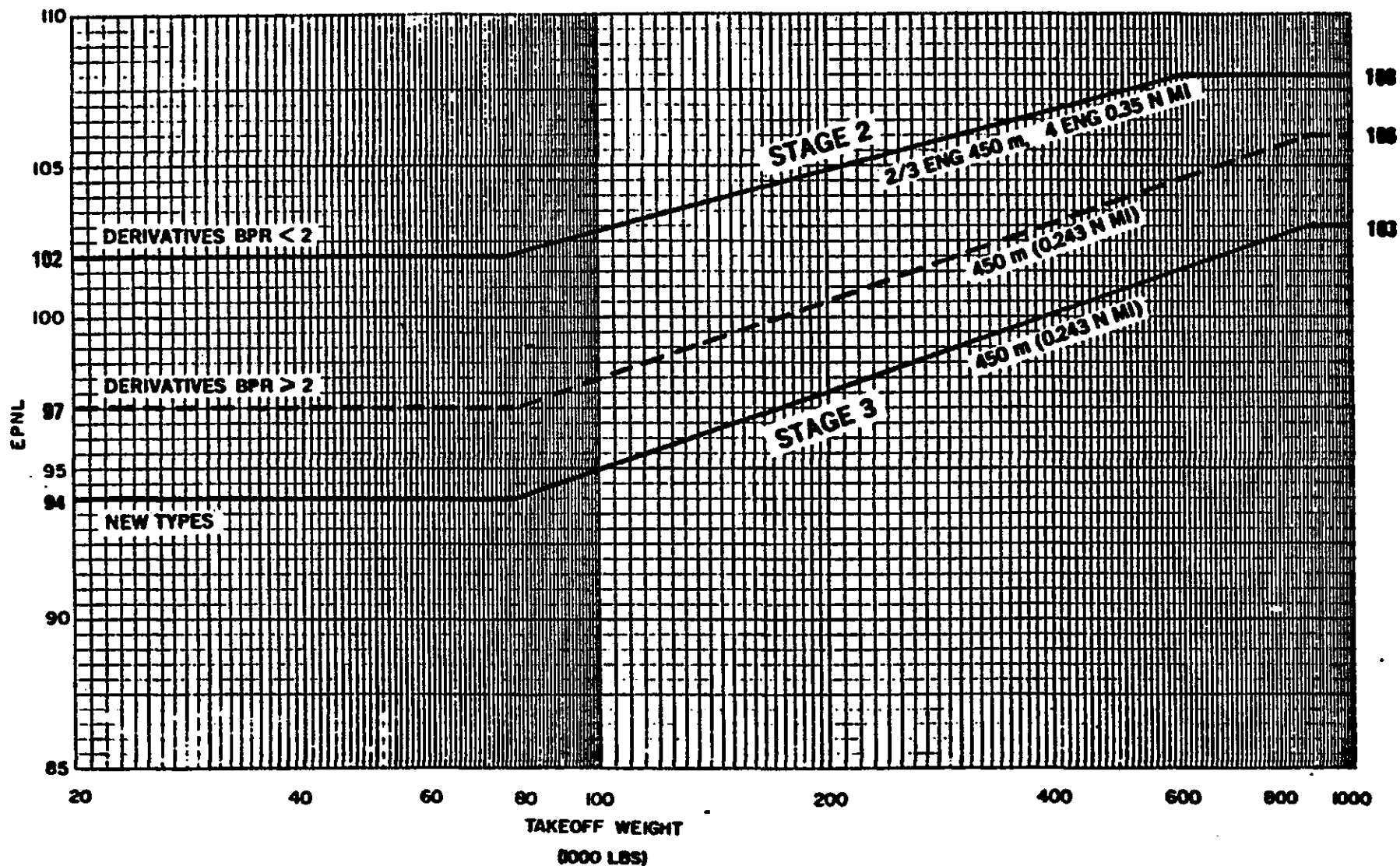


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SIDELINE

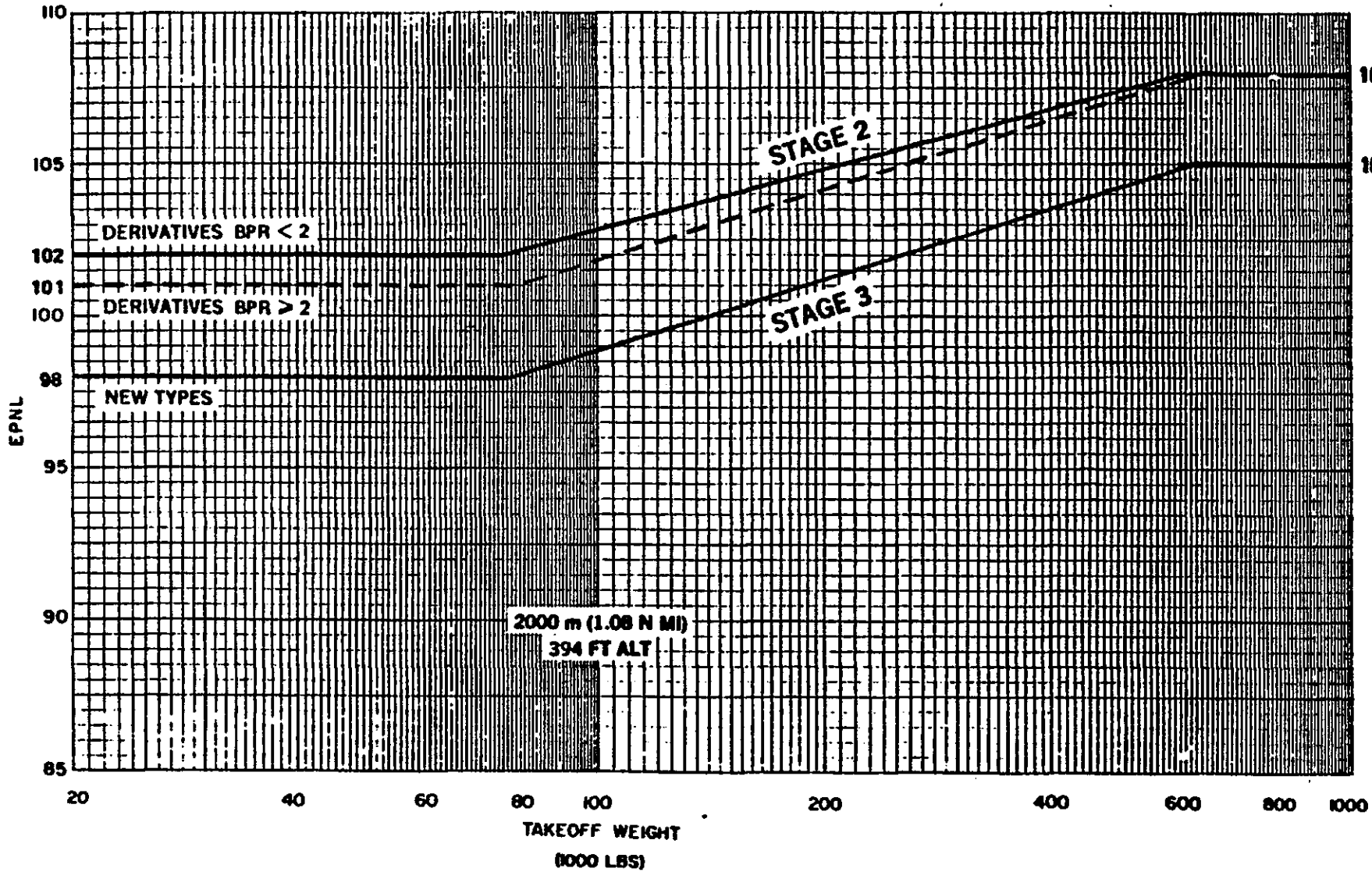
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NOISE CERTIFICATION REQUIREMENTS: JET AND TRANSPORT AIRCRAFT - 1978 FAR PART 36

APPROACH



APPENDIX 2
AIRCRAFT NOISE DATA FOR
FOREIGN CERTIFICATED TURBOJET POWERED AIRCRAFT

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AIRCRAFT MANUFACTURER AND TYPE	MTOW LW (LBS/ 1000)	ENGINE						NOISE LEVELS - EPNdB				CHAPTER	NOTES	REFERENCE	
		NUMBER MODEL CODE	THRUST (LBS/ 1000)	BPR	FLAPS		SIDELINE	ALT.	TAKEOFF	APPR.					
					T/O	APPR.					450 METER				650 METER
AEROSPATIALE CARAVELLE 10-B1R	114.5 109.0	2 JT8D-7	14.0	1.1	5	35			98.2		92.3	105.1	2		I-3
AEROSPATIALE CARAVELLE 10-B1R	119.0 109.0	2 JT8D-7	14.0	1.1	5	35			98.1		93.7	105.1	2		I-3
AEROSPATIALE CARAVELLE 10-B3	119.0 109.0	2 JT8D-7	14.0	1.1	5	45			97.7		94.4	106.2	2		I-3
AEROSPATIALE CARAVELLE 10-B3	125.6 109.0	2 JT8D-9	14.2	1.1	5	45			98.2		95.7	106.2	2		I-3
AEROSPATIALE CARAVELLE 11R	114.5 109.0	2 JT8D-7	14.0	1.1	5	35			97.9		92.3	105.1	2		I-3
AEROSPATIALE CARAVELLE 12	119.0 109.0	2 JT8D-9	14.2	1.1	5	45			98.4		94.0	105.9	2		I-3
AEROSPATIALE CARAVELLE 12	123.4 109.0	2 JT8D-9	14.2	1.1	5	45			98.3		95.3	105.9	2		I-3
AEROSPATIALE CARAVELLE 12	127.0 109.0	2 JT8D-9	14.2	1.1	5	45			98.2		96.6	105.9	2		I-3
AIRBUS A300B1	302.1 269.0	2 CF6-50A	48.4	4.6		25			90.7		87.9	101.1	2		I-3
AIRBUS A300B2 K3C	313.1 286.7	2 CF6-50C	50.4	4.6		25			92.6		87.0	101.7	2		I-3
AIRBUS A300B2-1A	302.1 281.1	2 CF6-50A	48.3	4.6		25			90.7		87.9	101.1	2		I-3
AIRBUS A300B2-1C	302.1 281.1	2 CF6-50C	50.4	4.6		25			91.0		87.1	101.1	2		I-3
AIRBUS A300B2-1C	313.1 286.7	2 CF6-50C	50.4	4.6		25			92.6		88.2	101.3	2		I-3
AIRBUS A300B2-202	313.0 287.0	2 CF6-50C1	51.7	4.6		25			93.5		89.3	102.0	3		I-1, I-3
AIRBUS A300B2-310	330.8 293.3	2 JT9D-59A	50.4	4.9	8	15	98.5				90.3	100.5	3		I-3

APPENDIX 2
AIRCRAFT NOISE DATA FOR
FOREIGN CERTIFICATED TURBOJET POWERED AIRCRAFT

AIRCRAFT MANUFACTURER AND TYPE	MTOW LW (LBS/ 1000)	ENGINE		NOISE LEVELS - EPNdB											
		NUMBER MODEL CODE	THRUST (LBS/ 1000)	BPR	FLAPS		SIDELINE		ALT FEET	TAKEOFF	APPR. 2000 METER	CHAPTER	NOTES	REFERENCE	
					T/O	APPR.	450 METER	650 METER							
AIRBUS A300B4-102	347.3 294.8	2 CF6-50C1	51.7	4.6			25		93.3		90.1	101.9	2		I-3
AIRBUS A300B4-2C	330.8 293.3	2 CF6-50C	50.4	4.6			25		92.4		89.0	101.9	2		I-3
AIRBUS A300B4-2C	337.4 293.3	2 CF6-50C	50.4	4.6			25		92.4		89.6	101.9	2		I-3
AIRBUS A300B4-2C	347.3 293.3	2 CF6-50C	50.4	4.6			25		92.4		90.5	101.9	2		I-3
BRITISH AEROSPACE 1-11 475	91.90 84.0	2 SPEY 512	12.6	0.7	6		45		102.0	2230	93.0	100.0	2	1	I-1, I-3
BRITISH AEROSPACE 1-11 475S	91.9 84.0	2 SPEY 512/-14DW	12.5	0.7	6		45	109.0	106.0	2250	96.0	103.5	2		I-1
BRITISH AEROSPACE 1-11 500	99.7 87.1	2 SPEY 512/-14DW	12.5	0.7	6		45		102.0	1870	95.3	100.0	2	1	I-1, I-3
BRITISH AEROSPACE 1-11 500S	105.0 87.1	2 SPEY 512/-14DW	12.5	0.7	6		45		101.0	1640	97.0	100.0	2	1	I-1, I-3
BRITISH AEROSPACE 1-11 510	92.5 86.0	2 SPEY 512/-14E	12.0	0.7	8		45		102.0	2130	93.3	102.0	2	1	I-1, I-3
BRITISH AEROSPACE 146-100	73.9 71.9	4 ALF 502H	6.07	6.1	18		33	89.0	85.5	2350	83.0	95.5	3		I-3
BRITISH AEROSPACE 146-200	87.5 77.0	4 ALF 502H	6.07	6.1	20		45	88.5	85.0	1400	88.0	95.5	3		I-2
BRITISH AEROSPACE CONCORDE	400.0 245.0	4 OLYMPUS 610	38.5						112.0		119.5	117.0			I-2
BRITISH AEROSPACE HS 125-1	20.1 18.5	2 VIPER 520	3.15				45		97.5	2350	91.00	104.0	2		I-3
BRITISH AEROSPACE HS 125-1B	21.1 18.9	2 VIPER 521	3.15				45		98.5	2350	91.5	105.0	2		I-3
BRITISH AEROSPACE HS 125-1B/322	21.1 19.6	2 VIPER 522	3.15				45		100.0	2750	90.0	104.5	2		I-3

APPENDIX 2
AIRCRAFT NOISE DATA FOR
FOREIGN CERTIFICATED TURBOJET POWERED AIRCRAFT

AIRCRAFT MANUFACTURER AND TYPE	MTOV LW (LBS/ 1000)	ENGINE		NOISE LEVELS - EPNdB										NOTES	REFERENCE
		NUMBER MODEL CODE	THRUST (LBS/ 1000)	BPR	FLAPS T/O	FLAPS APPR.	SIDELINE		ALT FEET	TAKEOFF	APPR. 2000 METER	CHAPTER			
							450 METER	650 METER							
BRITISH AEROSPACE HS 125-1B/R522/S522	22.2 19.6	2 VIPER 522	3.15			45		100.0	2550	90.5	104.5	2		I-3	
BRITISH AEROSPACE HS 125-3B	21.6 20.0	2 VIPER 522	3.15			45		100.0	2450	90.5	104.5	2		I-3	
BRITISH AEROSPACE HS 125-3B/RA	22.7 20.0	2 VIPER 522	3.15			45		100.0	2450	91.5	104.5	2		I-3	
BRITISH AEROSPACE HS 125-400B	23.4 20.1	2 VIPER 522	3.15			45		103.0	2350	95.7	104.0	2		I-4	
BRITISH AEROSPACE HS 125-403B	23.5 20.0	2 VIPER 522	3.15			45		100.0	2300	92.5	104.5	2		I-3	
BRITISH AEROSPACE HS 125-600	25.6 22.1	2 VIPER 601	3.39			45	104.0	101.5		93.5	102.5	2		I-1	
BRITISH AEROSPACE HS 125-600B	25.6 22.1	2 VIPER 601	3.46			45	99.0	97.0	2250	88.5	102.5	2		I-3	
BRITISH AEROSPACE HS 125-600F	25.6 22.1	2 TFE 731-3	3.69	2.6		45	89.0	87.5	2150	84.5	96.0	3		I-3	
BRITISH AEROSPACE HS 125-700B	24.3 22.1	2 TFE 731-3	3.69	2.6		45	89.0	87.5	2100	83.5	96.0	3		I-1	
BRITISH AEROSPACE HS 125-700B	25.6 22.1	2 TFE 731-3	3.69	2.6		45	89.0	87.5	2150	84.5	96.0	3		I-1	
BRITISH AEROSPACE SUPER VC10	334.9 237.0	4 CONWAY RC 043	22.5	0.3	15	45		111.0		109.5	111.5	2		I-3	
DASSAULT BREGUET FALCON 20	28.7 27.3	2 CF700-2D-2	4.32	2.0	10	40	92.0	90.0	2600	90.0	103.0	2		I-1	
DASSAULT BREGUET FALCON 20C	30.4 12.5	2 ATF3-6-2C	5.06	2.9	10	40	89.7			83.7	95.8	3		I-3	
DASSAULT BREGUET FALCON 20C	32.0 27.6	2 ATF3-6-2C	5.06	2.9	10	40	89.6			85.0	95.8	3		I-3	
DASSAULT BREGUET MERCURE 100A	120.2 110.9	2 JT8D-15	15.5	1.0	5	25	102.6	100.0		93.0	103.7	2		I-1	

APPENDIX 2
AIRCRAFT NOISE DATA FOR
FOREIGN CERTIFICATED TURBOJET POWERED AIRCRAFT

AIRCRAFT MANUFACTURER AND TYPE	ENGINE		NOISE LEVELS - EPNdB									
	HTOV LW (LBS/ 1000)	NUMBER MODEL CODE	THRUST/BPR (LBS/ 1000)	FLAPS T/O	FLAPS APPR.	SIDELINE 450 METER	ALT. 450 METER	TAKEOFF 2000 METER	CHAPTER	NOTES	REFERENCE	
DASSAULT BREGUET MERCURE 100B	125.0 115.0	2 JT8D-15	15.5	1.0	5	25	99.9	94.1	103.0	2	1-3	
FOKKER 614	48.1 44.1	2 M43H	6.88	3.1		35	89.6	90.5	99.0	2	1-1	
FOKKER F28 MK2000	65.0 59.0	2 RB183MKS55-15	9.39	1.0	6	42	99.5	90.0	101.8	2		
ILUSKY IL-62H	165.0 105.0	4 D-30KU	44.0	2.5	30	30	103.7	106.9	105.0	2	1-5	
TUPOLEV TU-134A	47.0 43.0	2 D-30P	13.6	1.0	10	38	105.1	65.3		2	1-5	
TUPOLEV TU-154A	98.0 78.0	3 NK-8-2U	31.5	1.0	28	45	101.0	101.1	106.0	2	1-5	
YAKOLEV YAK-40	16.0 16.0	3 AI-25	3.45	2.0	20	35	91.7	88.7	99.3	2	1-5	

APPENDIX 2 REFERENCES

I-1 FRANCE ICAO CAN 6 DATA 3/78
I-2 UNITED KINGDOM ICAO CAN 6 BIP 21 3/4/79
I-3 ICAO CAN WG #D# UPDATE 4/81
I-4 BRITISH AEROSPACE
I-5 USSR

APPENDIX 2 NOTES

1 EQUIPPED WITH STANDARD HUSH KIT
* FULL POWER TAKEOFF

APPENDIX 3

STAGE 3
TURBOJET POWERED AIRCRAFT

MAKE / MODEL	ENGINE MODEL	MTOW	NOISE LEVELS EPNdB			NOTES
			TAKEOFF	APPROACH	SIDELINE	
AEROSPATIALE SN601 CORVETTE	JT15D-4	13.9	80.4	89.5	85.4	*
AEROSPATIALE SN601 CORVETTE	JT15D-4	14.6	74.0	90.0	81.0	
AIRBUS A300B2-203	CF6-50C2	313.1	90.9	103.1	97.9	
AIRBUS A300B4-103	CF6-50C2	347.2	93.6	103.0	97.7	
AIRBUS A300B4-203	CF6-50C2	363.7	96.0	102.4	96.9	
AIRBUS A310-221	JT9D-7R4D1	305.6	90.5	100.6	94.8	
BOEING B-737-300	CFM56-3-B-1	124.5	84.4	99.9	90.4	
BOEING B-737-300	CFM56-3-B-1	135.0	86.5	99.9	90.2	
BOEING B-737-300	CFM56-3B-2	124.5	82.8	99.9	92.2	
BOEING B-737-300	CFM56-3B-2	135.0	84.9	99.9	92.0	
BOEING B-747-100	RB.211-524C2	750.0	101.3	106.5	96.9	**
BOEING B-747-200	CF6-50E	775.0	99.9	104.5	101.0	
BOEING B-747-200	CF6-50E	820.0	102.0	105.6	100.8	
BOEING B-747-200	CF6-50E2	820.0	101.1	105.6	101.6	
BOEING B-747-200	CF6-50E2	833.0	101.8	105.6	98.9	**
BOEING B-747-200	JT9D-70A	820.0	100.7	105.8	96.1	**

APPENDIX 3

STAGE 3
TURBOJET POWERED AIRCRAFT

MAKE / MODEL	ENGINE MODEL	MTOW	NOISE LEVELS EPNdB			NOTES
			TAKEOFF	APPROACH	SIDELINE	
BOEING B-747-200	JT9D-7Q	775.0	100.2	106.2	101.0	**
BOEING B-747-200	JT9D-7Q	833.0	103.2	106.6	103.5	
BOEING B-747-200	RB.211-524B2	820.0	105.5	107.0	99.1	
BOEING B-747-200	RB.211-524C2	833.0	106.5	107.0	99.5	*
BOEING B-747-200	RB.211-524D4	833.0	103.9	104.9	99.7	
BOEING B-747-300	CF6-50E2	800.0	100.2	105.0	101.6	
BOEING B-747-300	JT9D-7R4G2	785.0	100.1	106.6	101.5	
BOEING B-747-300	JT9D-7R4G2	820.0	101.8	106.6	101.3	
BOEING B-747-SP	JT9D-7A	660.0	104.4	103.4	99.0	* **
BOEING B-747-SP	JT9D-7A	701.0	106.0	103.2	98.8	* **
BOEING B-747-SP	JT9D-7F	660.0	104.4	104.1	99.2	* **
BOEING B-747-SP	JT9D-7FW	695.0	105.7	104.1	99.5	* **
BOEING B-747-SP	JT9D-7FW	701.0	105.9	104.1	99.5	* **
BOEING B-747-SP	JT9D-7J	702.0	106.0	103.3	99.5	* **
BOEING B-747-SP	RB.211-524B2	696.0	99.6	102.8	99.6	
BOEING B-747-SP	RB.211-524D4	702.0	99.2	107.0	99.8	

APPENDIX 3

STAGE 3
TURBOJET POWERED AIRCRAFT

MAKE / MODEL	ENGINE MODEL	MTOW	NOISE LEVELS EPNdB			NOTES
			TAKEOFF	APPROACH	SIDELINE	
BOEING B-747-SR	CF6-45A2	571.0	93.0	104.2	98.4	
BOEING B-747-SR	JT9D-7A	570.0	99.5	106.2	98.5	* **
BOEING B-747-SR	JT9D-7A	610.0	102.4	106.7	99.3	* **
BOEING B-757-200	P+W 2037	230.0	87.6	97.6	93.7	
BOEING B-757-200	RB.211-535-E4	220.0	82.2	95.0	93.3	
BOEING B-757-200	RB.211-535-E4	240.0	84.8	95.0	93.1	
BOEING B-757-200	RB.211-535C	220.0	85.5	100.3	94.0	
BOEING B-757-200	RB.211-535C	240.0	88.1	100.3	93.8	
BOEING B-767-200	CF6-80A	279.9	84.9	101.4	95.5	
BOEING B-767-200	CF6-80A	345.0	91.3	101.7	95.0	
BOEING B-767-200	CF6-80A2	279.9	84.2	101.4	97.2	
BOEING B-767-200	CF6-80A2	351.0	90.9	101.7	96.6	
BOEING B-767-200	JT9D-7R4D(A)	282.0	87.7	101.8	95.7	
BOEING B-767-200	JT9D-7R4D(A)	345.0	94.6	102.7	95.3	
BOEING B-767-200	JT9D-7R4D(B)	282.0	88.4	101.9	95.9	
BOEING B-767-200	JT9D-7R4D(B)	345.0	95.2	102.6	95.5	

APPENDIX 3

STAGE 3
TURBOJET POWERED AIRCRAFT

MAKE / MODEL	ENGINE MODEL	MTOW	NOISE LEVELS EPNdB			NOTES
			TAKEOFF	APPROACH	SIDELINE	
BOEING B-767-200	JT9D-7R4E	282.0	87.5	101.9	96.8	
BOEING B-767-200	JT9D-7R4E	351.0	94.8	102.6	96.3	
BRITISH AEROSPACE 146-100A	ALF 502R-3	76.0	83.0	95.1	87.2	
BRITISH AEROSPACE 146-200A	ALF 502R-5	89.5	85.9	95.6	86.6	
BRITISH AEROSPACE HS 125-1A	TFE 731-3	21.7	84.2	96.0	90.0	*
BRITISH AEROSPACE HS 125-1A	TFE 731-3R	21.2	83.4	96.0	90.1	
BRITISH AEROSPACE HS 125-3A	TFE 731-3	21.7	84.2	96.3	90.0	
BRITISH AEROSPACE HS 125-3A/RA	TFE 731-3	23.6	85.5	95.7	89.8	
BRITISH AEROSPACE HS 125-400A	TFE 731-3	23.6	85.5	95.7	89.8	
BRITISH AEROSPACE HS 125-400F	TFE 731-3	23.6	85.5	95.7	89.8	
BRITISH AEROSPACE HS 125-600A	TFE 731-3	25.5	88.0	96.3	89.2	
BRITISH AEROSPACE HS 125-700A	TFE 731-3	25.5	88.0	96.3	89.2	
BRITISH AEROSPACE HS125-800	TFE731-3R-1H	27.4	80.9	96.5	87.2	
CANADAIR CL-600	ALF-502	36.0	81.6	91.2	89.3	*
CANADAIR CL-601 CHALLENGER	CF34-1A	42.1	79.4	89.4	84.9	*
CESSNA 500 CITATION I	JT15D-1	10.3	79.0	87.7	86.1	*

APPENDIX 3

STAGE 3
TURBOJET POWERED AIRCRAFT

MAKE / MODEL	ENGINE MODEL	MTOW	NOISE LEVELS EPNdB			NOTES
			TAKEOFF	APPROACH	SIDELINE	
CESSNA 500/501 CITATION I	JT15D-1/-1A	11.8	76.4	87.7	86.1	*
CESSNA 500/501 CITATION I	JT15D-1/-1A	11.8	76.4	87.7	86.1	*
CESSNA 550 CITATION II	JT15D-4	13.3	80.1	90.5	86.7	*
CESSNA 551 CITATION II	JT15D-4	12.5	80.1	90.5	86.7	*
CESSNA 650 CITATION III	TFE731-3B-100S	21.0	84.9	92.4	92.5	
CESSNA 650 CITATION III	TFE731-3B-100S	22.0	86.2	93.8	92.2	
DASSAULT BREGUET FALCON 10	TFE 731-2	18.3	82.9	95.3	86.4	
DASSAULT BREGUET FALCON 200 MYSTERE	ATF3-6-4C	32.0	83.9	93.9	89.0	
DASSAULT BREGUET FALCON 50	TFE 731-2	38.8	84.3	97.4	91.6	
GATES LEARJET 35/36	TFE 731-2-2B	17.0	84.0	92.2	86.9	*
GATES LEARJET 35/36	TFE731-2-2B	18.0	84.5	92.2	87.9	*
GATES LEARJET 35A	TFE 731-2-2B	18.0	83.6	91.3	87.4	*
GATES LEARJET 35A/36A	TFE 731-2-2B	18.0	78.7	91.3	87.4	
GATES LEARJET 35A/36A	TFE 731-2-2B	18.3	79.2	91.4	86.7	
GATES LEARJET 36A	TFE731-2-2B	18.3	83.9	91.4	87.8	*
GATES LEARJET 55	TFE731-3A-2B	19.5	84.2	90.6	90.9	*

APPENDIX 3

STAGE 3
TURBOJET POWERED AIRCRAFT

MAKE / MODEL	ENGINE MODEL	MTOW	NOISE LEVELS EPNdB			NOTES
			TAKEOFF	APPROACH	SIDELINE	
GATES LEARJET 55	TFE731-3A-2B	21.00	85.5	90.6	90.7	*
ISRAEL AIRCRAFT 1124 WESTWIND	TFE731-3-1G	22.90	81.2	88.4	80.3	
LOCKHEED L-1011	RB.211-22B	430.0	95.9	102.8	95.1	5*
LOCKHEED L-1011-1	RB.211-22B	430.0	96.0	102.8	95.0	5*
LOCKHEED L-1011-100	RB.211-22B	466.0	98.5	102.8	94.9	5*
LOCKHEED L-1011-200	RB.211-524B	466.0	98.1	101.4	97.9	5*
LOCKHEED L-1011-500	RB.211-524B	496.0	98.4	101.5	97.8	5*
LOCKHEED L-1011-500	RB.211-524B3	496.0	97.4	100.3	96.7	5*
LOCKHEED L-1011-500	RB.211-524B3	504.0	98.0	100.	96.9	5*
LOCKHEED L1011-500	RB211-524B4	510.0	99.3	102.	96.4	*
MCDONNELL DOUGLAS DC-08-71	CFM56-2-C1	325.0	94.3	98.3	92.9	*
MCDONNELL DOUGLAS DC-08-71	CFM56-2-C1	328.0	94.5	98.6	92.9	*
MCDONNELL DOUGLAS DC-08-72	CFM56-2-C1	335.0	94.4	98.1	92.9	*
MCDONNELL DOUGLAS DC-08-72	CFM56-2-C1	350.0	95.2	98.2	92.8	*
MCDONNELL DOUGLAS DC-08-73	CFM56-2-C1	355.0	95.7	98.3	92.8	*
MCDONNELL DOUGLAS DC-08-73	CFM56-2-C1	355.0	95.7	98.5	92.8	*

APPENDIX 3
STAGE 3
TURBOJET POWERED AIRCRAFT

MAKE / MODEL	ENGINE MODEL	MTOW	NOISE LEVELS EPNdB			NOTES
			TAKEOFF	APPROACH	SIDELINE	
MCDONNELL DOUGLAS DC-10-10	CF6-6D	410.0	97.4	104.9	97.0	*
MCDONNELL DOUGLAS DC-10-10	CF6-6D	455.0	101.8	105.5	96.0	*
MCDONNELL DOUGLAS DC-10-10	CF6-6D1	430.0	98.1	105.5	97.0	*
MCDONNELL DOUGLAS DC-10-10	CF6-6D1	455.0	100.2	105.5	96.6	*
MCDONNELL DOUGLAS DC-10-10	CF6-6D1A	430.0	98.1	105.5	97.0	*
MCDONNELL DOUGLAS DC-10-10	CF6-6D1A	455.0	100.2	105.5	96.6	*
MCDONNELL DOUGLAS DC-10-10	CF6-6K	410.0	96.8	103.3	96.3	*
MCDONNELL DOUGLAS DC-10-10	CF6-6K	455.0	100.9	103.8	95.5	*
MCDONNELL DOUGLAS DC-10-10	CF6-6K2	430.0	97.4	103.3	96.5	*
MCDONNELL DOUGLAS DC-10-10	CF6-6K2	455.0	99.3	103.8	96.1	*
MCDONNELL DOUGLAS DC-10-15	CF6-50C2-F	455.0	94.6	103.1	95.8	
MCDONNELL DOUGLAS DC-10-30	CF6-50C2	555.0	96.8	105.0	97.8	
MCDONNELL DOUGLAS DC-10-30	CF6-50C2	555.0	96.8	106.0	97.8	15
MCDONNELL DOUGLAS DC-10-30	CF6-50C2	590.0	99.0	105.3	97.9	
MCDONNELL DOUGLAS DC-10-30	CF6-50C2	590.0	99.0	106.4	97.7	15
MCDONNELL DOUGLAS DC-10-30	CF6-50C2-R	555.0	97.6	105.7	97.6	

APPENDIX 3
STAGE 3
TURBOJET POWERED AIRCRAFT

MAKE / MODEL	ENGINE MODEL	MTOW	NOISE LEVELS EPNdB			NOTES
			TAKEOFF	APPROACH	SIDELINE	
MCDONNELL DOUGLAS DC-10-30	CF6-50C2-R	572.0	98.6	106.5	97.5	
MCDONNELL DOUGLAS DC-10-30	CF6-50C2B	555.0	96.1	105.0	98.4	
MCDONNELL DOUGLAS DC-10-30	CF6-50C2B	555.0	96.1	106.0	98.4	15
MCDONNELL DOUGLAS DC-10-30	CF6-50C2B	572.0	97.4	106.0	98.5	15
MCDONNELL DOUGLAS DC-10-30	CF6-50C2B	590.0	98.7	105.3	98.5	
MCDONNELL DOUGLAS DC-10-40	JT9D-20D	530.0	100.8	105.7	95.2	*
MCDONNELL DOUGLAS DC-10-40	JT9D-59A	555.0	101.4	106.4	98.0	*
MCDONNELL DOUGLAS DC-10-40	JT9D-59A	572.0	102.2	106.4	97.9	*
MCDONNELL DOUGLAS MD-80	JT8D-209	140.0	89.4	92.8	94.0	10
MCDONNELL DOUGLAS MD-80	JT8D-209	149.5	91.8	92.9	93.8	10
MCDONNELL DOUGLAS MD-80	JT8D-217	142.0	88.7	92.9	95.2	10
MCDONNELL DOUGLAS MD-80	JT8D-217	160.0	92.7	93.7	95.1	10
MCDONNELL DOUGLAS MD-80	JT8D-219	140.0	87.2	92.8	96.5	10
MCDONNELL DOUGLAS MD-80	JT8D-219	160.0	91.5	93.7	96.4	10
MITSUBISHI MU-300	JT15D-4	14.1	86.3	85.8	88.0	*
MITSUBISHI MU-300-10	JT15D-5	15.78	88.6	91.4	93.7	*

APPENDIX 3
STAGE 3
TURBOJET POWERED AIRCRAFT

MAKE / MODEL	ENGINE MODEL	MTOW	NOISE LEVELS EPNdB			NOTES
			TAKEOFF	APPROACH	SIDELINE	
ROCKWELL INTERNAT. SABRELINER 65	TFE731-3R	24.0	84.0	90.6	93.0	*

See Appendix 1 for corresponding notes and references.

APPENDIX 4

AIRCRAFT NOISE CERTIFICATION LEVELS IN
DESCENDING EPNdB FOR U. S. CERTIFICATED
TURBOJET POWERED AIRCRAFT

*** TAKEOFF ***

MAKE	MODEL	MTOW	ENGINE MODEL	FLAPS TAKE-OFF APPR.	NOISE LEVELS (EPNdB) TAKEOFF
BOEING	B-747-200	800.0	JT9D-7F	10 30	109.7
BOEING	B-747-200	812.0	JT9D-7FW/-7J	10 30	109.7
BOEING	B-747-100	794.0	JT9D-3A	10 30	109.4
BOEING	B-747-100	750.0	JT9D-7F	10 30	109.4
BOEING	B-747-100	750.0	JT9D-7FWET	10 30	109.4
BOEING	B-747-200	805.0	JT9D-7FW	10 30	109.4
BOEING	B-747-200	785.0	JT9D-7A	10 30	109.3
BOEING	B-747-200	800.0	JT9D-7J	10 30	109.3
BOEING	B-747-200	767.0	JT9D-3A	10 30	108.6
BOEING	B-747-100	750.0	JT9D-7A	10 30	107.8
BOEING	B-747-100	750.0	JT9D-7WET	10 30	107.7
BOEING	B-747-200	773.0	JT9D-3AWET	10 30	107.7
BOEING	B-747-100	750.0	JT9D-7FW	10 30	107.6
BOEING	B-747-200	770.0	JT9D-7	10 30	107.4
BOEING	B-747-200	785.0	JT9D-7WET	10 30	107.3
BOEING	B-747-100	710.0	JT9D-7	10 30	106.6
BOEING	B-747-200	833.0	RB.211-524C2	10 30	106.5
BOEING	B-747-SP	702.0	JT9D-7A	10 30	106.0
BOEING	B-747-SP	701.0	JT9D-7J	10 30	106.0
BOEING	B-747-SP	701.0	JT9D-7FW	10 30	105.9
BOEING	B-747-200	820.0	RB.211-524B	10 30	105.5
BOEING	B-747-200	820.0	RB.211-524B2	10 30	105.5

APPENDIX 4

AIRCRAFT NOISE CERTIFICATION LEVELS IN
DESCENDING EPNdB FOR U.S. CERTIFICATED
TURBOJET POWERED AIRCRAFT

*** TAKEOFF ***

MAKE	MODEL	MTOW	ENGINE MODEL	FLAPS TAKE-OFF APPR.	NOISE LEVELS (EPNdB) TAKEOFF
BOEING W/COMTRAN ON	B-707-300B(ADV)/300C	322.0	JT3D-3D-3B(IC)	14 25	105.5
BOEING	B-747-SP	460.0	JT9D-7F	10 30	104.4
MCDONNELL DOUGLAS	DC-10-30	572.0	CF6-50C/ALT	10 50	104.4
MCDONNELL DOUGLAS	DC-10-30	572.0	CF6-50C1	10 50	104.4
MCDONNELL DOUGLAS	DC-08-62 W/ADC ON	350.0	JT3D-3B	12 50	104.3
BOEING	B-747-200	833.0	RB.211-524D4	10 30	103.9
MCDONNELL DOUGLAS	DC-08-62 W/TNC ON	350.0	JT3D-3B	12 50	103.6
MCDONNELL DOUGLAS	DC-08-63 W/TNC ON	350.0	JT3D-3B	12 50	103.4
BOEING	B-747-200	833.0	JT9D-7D	10 30	103.2
BOEING	B-727-200	208.0	JT8D-17RON	5 40	102.4
BOEING	B-747-5R	610.0	JT9D-7A	10 30	102.4
MCDONNELL DOUGLAS	DC-10-40	572.0	JT9D-59A	10 50	102.2
BOEING	B-747-200	820.0	CF6-50E	10 30	102.0
BOEING	B-747-200	833.0	CF6-50E2	10 30	101.8
BOEING	B-747-300	820.0	JT9D-7R4G2	10 30	101.8
MCDONNELL DOUGLAS	DC-10-10	455.0	CF6-4D	0 50	101.8
MCDONNELL DOUGLAS	DC-08-62 W/TNC ON	335.0	JT3D-3B	12 50	101.7
BOEING	B-727-200	184.8	JT8D-9ON	15 40	101.5
BOEING	B-747-100	750.0	RB.211-524C2	10 30	101.3
MCDONNELL DOUGLAS	DC-10-10	455.0	CF6-4K	0 50	100.9
MCDONNELL DOUGLAS	DC-10-40	530.0	JT9D-20D	10 50	100.8
BOEING	B-727-200	178.0	JT8D-9FCD	5 30	100.7

APPENDIX 4

AIRCRAFT NOISE CERTIFICATION LEVELS IN
DESCENDING EPNdB FOR U.S. CERTIFICATED
TURBOJET POWERED AIRCRAFT

*** TAKEOFF ***

MAKE	MODEL	MTOW	ENGINE MODEL	FLAPS TAKE-OFF APPR.	NOISE LEVELS (EPNdB) TAKEOFF
BOEING	B-747-200	820.0	JT9D-70A	10 30	100.7
BOEING	B-747-300	800.0	CF6-50E2	10 30	100.2
MCDONNELL DOUGLAS	DC-10-10	455.0	CF6-6D1	4 50	100.2
MCDONNELL DOUGLAS	DC-10-10	455.0	CF6-6D1A	4 50	100.2
BOEING	B-727-200	190.5	JT8D-15QN	5 40	100.0
BOEING	B-727-200	172.5	JT8D-7QN	15 40	100.0
BOEING	B-727-200	177.6	JT8D-7FCD	5 40	99.8
BOEING	B-727-200	190.5	JT8D-17QN	5 40	99.6
BOEING	B-747-SP	696.0	RB.211-524B2	10 30	99.6
LOCKHEED	L1011-500	510.0	RB211-524B4	10 33	99.3
MCDONNELL DOUGLAS	DC-10-10	455.0	CF6-6K2	4 50	99.3
BOEING	B-747-SP	702.0	RB.211-524D4	10 30	99.2
MCDONNELL DOUGLAS	DC-10-30	590.0	CF6-50C2	15 50	99.0
MCDONNELL DOUGLAS	DC-10-30	590.0	CF6-50C2-B	15 50	98.9
MCDONNELL DOUGLAS	DC-10-30	572.0	CF6-50C2-R	10 50	98.6
BOEING	B-727-100	169.5	JT8D-1FCD	5 40	98.5
LOCKHEED	L-1011-100	466.0	RB.211-22B	10 42	98.5
LOCKHEED	L-1011-500	496.0	RB.211-524B	14 33	98.4
BOEING	B-727-100	169.5	JT8D-9FCD	5 40	98.3
LOCKHEED	L-1011-200	466.0	RB.211-524B	10 33	98.1
MCDONNELL DOUGLAS	DC-09-50	121.0	JT8D-17	0 50	98.1
LOCKHEED	L-1011-500	504.0	RB.211-524B3	22 33	98.0

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AIRCRAFT NOISE CERTIFICATION LEVELS IN
DESCENDING EPNdB FOR U.S. CERTIFICATED
TURBOJET POWERED AIRCRAFT

*** TAKEOFF ***

MAKE	MODEL	MTOW	ENGINE MODEL	FLAPS TAKE-OFF APPR.	NOISE LEVELS (EPNdB) TAKEOFF
MCDONNELL DOUGLAS	DC-09-34	121.0	JT8D-17	0 50	98.0
BOEING	B-727-100	169.5	JT8D-7FCD	5 40	97.9
MCDONNELL DOUGLAS	DC-09-34	121.0	JT8D-15	0 50	97.8
MCDONNELL DOUGLAS	DC-09-30	121.0	JT8D-15	0 50	97.8
BOEING	B-737-200 ADV.	128.1	JT8D-15QN	1 40	97.7
MCDONNELL DOUGLAS	DC-09-30	114.0	JT8D-9	0 50	97.1
BOEING	B-737-200 ADV.	128.1	JT8D-17QN	1 40	97.0
BOEING	B-737-200 ADV.	122.5	JT8D-9QN	1 40	96.9
MCDONNELL DOUGLAS	DC-09-40	114.0	JT8D-11	0 50	96.8
MCDONNELL DOUGLAS	DC-09-34	110.0	JT8D-9	0 50	96.1
AIRBUS	A300B4-203	363.7	CF6-50C2	16 25	96.0
LOCKHEED	L-1011-1	430.0	RB.211-22B	10 42	96.0
LOCKHEED	L-1011	430.0	RB.211-22B	14 42	95.9
MCDONNELL DOUGLAS	DC-09-30	110.0	JT8D-7	0 50	95.9
MCDONNELL DOUGLAS	DC-09-30	114.0	JT8D-15	0 50	95.8
MCDONNELL DOUGLAS	DC-09-40	114.0	JT8D-15	0 50	95.8
BRITISH AEROSPACE	1-11 400	89.50	SPEY511-14/14W	0 45	95.7
MCDONNELL DOUGLAS	DC-08-73	355.0	CFM56-2-C1	12 50	95.7
BOEING	B-737-200 NON-ADV.	117.0	JT8D-9QN	1 40	95.5
BOEING	B-767-200	345.0	JT9D-7R4D(B)	1 30	95.2
MCDONNELL DOUGLAS	DC-08-72	350.0	CFM56-2-C1	12 50	95.2
MCDONNELL DOUGLAS	DC-09-30	108.0	JT8D-7A	0 50	95.1

APPENDIX 4

AIRCRAFT NOISE CERTIFICATION LEVELS IN
DESCENDING EPNdB FOR U.S. CERTIFICATED
TURBOJET POWERED AIRCRAFT

*** TAKEOFF ***

MAKE	MODEL	MTOW	ENGINE MODEL	FLAPS TAKE-OFF APPR.	NOISE LEVELS (EPNdB) TAKEOFF
ROCKWELL INTERNAT.	SABRELINER 60	20.20	JT12A-8	24	95.0
BOEING	B-767-200	351.0	JT9D-7R4E	1 30	94.8
BOEING	B-737-200 NON-ADV.	109.0	JT8D-7QN	1 40	94.7
BOEING	B-767-200	345.0	JT9D-7R4D(A)	1 30	94.6
MCDONNELL DOUGLAS	DC-10-15	455.0	CF6-50C2-F	5 50	94.6
MCDONNELL DOUGLAS	DC-08-71	328.0	CFM56-2-C1	15 50	94.5
MCDONNELL DOUGLAS	DC-09-30	108.0	JT8D-17	0 50	94.3
GATES LEARJET	25	15.00	CJ610-6		94.0
GATES LEARJET	25C	15.00	CJ610-6	20 40	94.0
GATES LEARJET	25D	15.00	CJ610-6	20 40	94.0
AIRBUS	A300B4-103	347.2	CF6-50C2	16 25	93.6
BRITISH AEROSPACE	1-11 200	79.80	SPEY 506	3 45	93.3
LOCKHEED	1329-25 JETSTAR II	44.50	TFE731-3		93.1
BOEING	B-747-SR	571.0	CF6-45A2	10 30	93.0
FOKKER	F28 MK4000	73.00	RB183MK555-15P	6 42	92.9
LOCKHEED	1329-23	43.80	TFE731-3-1E	20 59	92.7
MCDONNELL DOUGLAS	MD-80	160.0	JT8D-217	2 40	92.7
GULFSTREAM AMER.	C-II GULFSTREAM	65.30	SPEY 511-8	10 39	92.5
BRITISH AEROSPACE	HS 125-600A	25.50	VIPER 601	45	92.3
FOKKER	F28 MK4000	73.00	RB183MK555-15H	6 42	91.9
GATES LEARJET	24D	13.50	CJ610-6	20 40	91.9
MCDONNELL DOUGLAS	MD-80	149.5	JT8D-209	0 40	91.8

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AIRCRAFT NOISE CERTIFICATION LEVELS IN
DESCENDING EPNdB FOR U.S. CERTIFICATED
TURBOJET POWERED AIRCRAFT

*** TAKEOFF ***

MAKE	MODEL	MTOW	ENGINE MODEL	FLAPS TAKE-OFF APPR.	NOISE LEVELS (EPNdB) TAKEOFF
BRITISH AEROSPACE	HS 125-700A	25.50	TFE 731-3R	45	91.6
MCDONNELL DOUGLAS	MD-80	160.0	JT8D-219	2 40	91.5
MCDONNELL DOUGLAS	DC-09-10	90.70	JT8D-7/-7A	10 50	91.4
BOEING	B-767-200	345.0	CF6-80A	1 30	91.3
GULFSTREAM AMER.	G-11B/G-111	68.20	SPEY 511-8	10 39	91.3
GULFSTREAM AMER.	G-111	69.70	SPEY 511-8	10 39	91.1
FOKKER	F28 MK3000	71.00	RB183MK555-15H	6 42	91.0
AIRBUS	A300B2-203	313.1	CF6-50C2	16 25	90.9
BOEING	B-767-200	351.0	CF6-80A2	1 30	90.9
ROCKWELL INTERNAT.	SABRELINER 80	23.30	CF700-2D-2		90.7
GATES LEARJET	25D/25F	15.00	CJ610-6/8A	8 40	90.1
FOKKER	F28 MK1000	65.00	RB183MK555-15	6 42	90.0
FOKKER	F28 MK2000	65.00	SPEY MK555-15	6 42	90.0
GATES LEARJET	24	13.00	CJ610-1/-4	10	89.0
MITSUBISHI	MU-300-10	15.78	JT15D-5	10 30	88.6
BOEING	B-757-200	240.0	RB. 211-535C	5 30	88.1
BRITISH AEROSPACE	HS 125-600A	25.50	TFE 731-3	45	88.0
BRITISH AEROSPACE	HS 125-700A	25.50	TFE 731-3	45	88.0
GATES LEARJET	23	12.50	CJ610-1/-4	10	88.0
BOEING	B-757-200	230.0	P+W 2037	5 30	87.6
GATES LEARJET	28/29	15.00	CJ610-8A	8 40	87.0
BOEING	B-737-300	135.0	CFM56-3-B-1	1 40	86.5

APPENDIX 4

AIRCRAFT NOISE CERTIFICATION LEVELS IN
DESCENDING EPNdB FOR U.S. CERTIFICATED
TURBOJET POWERED AIRCRAFT

*** TAKEOFF ***

MAKE	MODEL	MTOW	ENGINE MODEL	FLAPS TAKE-OFF APPR.	NOISE LEVELS (EPNdB) TAKEOFF
MITSUBISHI	MU-300	14.10	JT15D-4	10 30	86.3
CESSNA	650 CITATION III	22.00	TFE731-3B-100B	20 37	86.2
BRITISH AEROSPACE	146-200A	89.50	ALF 502R-5	18 33	85.9
GATES LEARJET	24F	13.50	CJ610-6	8 40	85.8
BRITISH AEROSPACE	HS 125-3A/RA	23.60	TFE 731-3	45	85.5
BRITISH AEROSPACE	HS 125-400A	23.60	TFE 731-3	45	85.5
BRITISH AEROSPACE	HS 125-400F	23.60	TFE 731-3	45	85.5
GATES LEARJET	55	21.00	TFE731-3A-2B	8 40	85.5
BOEING	B-737-300	135.0	CFM56-3-B-2	1 40	84.9
BOEING	B-757-200	240.0	RB.211-535-E4	5 30	84.8
GATES LEARJET	35/36	18.00	TFE 731-2-2B	20 40	84.5
DASSAULT BREQUET	FALCON 50	38.80	TFE 731-2	20 48	84.3
GATES LEARJET	24E	12.90	CJ610-6	8 40	84.3
BRITISH AEROSPACE	HS 125-1A /1867	21.70	TFE 731-3	45	84.2
BRITISH AEROSPACE	HS 125-3A	21.70	TFE 731-3	45	84.2
ROCKWELL INTERNAT.	SABRELINER 65	24.00	TFE731-3R		84.0
DASSAULT BREQUET	FALCON 200 MYSTERE	32.00	ATF3-6-4C	5 40	83.9
GATES LEARJET	36A	18.30	TFE731-2-2B	20 40	83.9
GATES LEARJET	24F-A	12.50	CJ610-6	8 40	83.6
GATES LEARJET	35A	18.00	TFE 731-2-2B	20 40	83.6
BRITISH AEROSPACE	HS 125-1A	21.20	TFE 731-3R	45	83.4
BRITISH AEROSPACE	146-100A	76.00	ALF 502R-3	18 33	83.0

APPENDIX 4

AIRCRAFT NOISE CERTIFICATION LEVELS IN
DESCENDING EPNdB FOR U.S. CERTIFICATED
TURBOJET POWERED AIRCRAFT

*** TAKEOFF ***

MAKE	MODEL	MTOW	ENGINE MODEL	FLAPS TAKE- OFF & APPR.	NOISE LEVELS (EPNdB) TAKEOFF
DASSAULT BREGUET	FALCON 10	18.30	TFE 731-2	15 52	82.9
CANADAIR	CL-600	36.00	ALF-502	20 45	81.6
ISRAEL AIRCRAFT	1124 WESTWIND	22.90	TFE731-3-1C	20 20	81.2
BRITISH AEROSPACE	125-800	27.40	TFE731-5R-1H	0 45	80.9
AEROSPATIALE	BN601 CORVETTE	13.90	JT15D-4	15 35	80.4
CESSNA	550 CITATION II	13.30	JT15D-4	15 40	80.1
CESSNA	551 CITATION II	12.50	JT15D-4	15 40	80.1
CANADAIR	CL-601 CHALLENGER	42.10	CF34-1A	20 45	79.4
GATES LEARJET	35A/36A	18.30	TFE 731-2-2B	8 40	79.2
CESSNA	500 CITATION I	10.30	JT15D-1	15 40	79.0
CESSNA	500/501 CITATION I	11.80	JT15D-1/-1A	15 40	78.4

See Appendix 1 for corresponding notes and references.

APPENDIX 5

AIRCRAFT NOISE CERTIFICATION LEVELS IN
DESCENDING EPNdB FOR U.S. CERTIFICATED
TURBOJET POWERED AIRCRAFT

*** APPROACH ***

MAKE	MODEL	MTOW	ENGINE MODEL	FLAPS	NOISE
				TAKE-OFF & APPR.	LEVELS (EPNdB) APPR.
MCDONNELL DOUGLAS	DC-10-30	572.0	CF6-50C1	10 50	109.0
MCDONNELL DOUGLAS	DC-10-30	572.0	CF6-50C/ALT	10 50	108.4
MCDONNELL DOUGLAS	DC-08-62 W/ADC QN	350.0	JT3D-3B	12 50	108.3
BOEING	B-747-100	750.0	JT9D-7F	10 30	108.0
BOEING	B-747-100	750.0	JT9D-7FWET	10 30	108.0
MCDONNELL DOUGLAS	DC-08-62 W/TNC QN	350.0	JT3D-3B	12 50	107.9
MCDONNELL DOUGLAS	DC-08-63 W/TNC QN	350.0	JT3D-3B	12 50	107.9
BOEING	B-747-200	800.0	JT9D-7F	10 30	107.8
BOEING	B-747-200	805.0	JT9D-7FW	10 30	107.8
BOEING	B-747-200	800.0	JT9D-7J	10 30	107.8
BOEING	B-747-200	820.0	RB.211-524B	10 30	107.8
MCDONNELL DOUGLAS	DC-08-62 W/TNC QN	335.0	JT3D-3B	12 50	107.8
BOEING	B-747-100	750.0	JT9D-7FW	10 30	107.4
BOEING	B-747-200	812.0	JT9D-7FW/-7J	10 30	107.4
BOEING	B-747-200	785.0	JT9D-7A	10 30	107.3
BOEING	B-747-100	734.0	JT9D-3A	10 30	107.2
BOEING	B-747-100	750.0	JT9D-7WET	10 30	107.1
BOEING	B-747-200	820.0	RB.211-524B2	10 30	107.0
BOEING	B-747-200	833.0	RB.211-524C2	10 30	107.0
BOEING	B-747-SP	702.0	RB.211-524D4	10 30	107.0
BOEING	B-747-100	710.0	JT9D-7	10 30	106.9
BOEING	B-747-100	750.0	JT9D-7A	10 30	106.9

APPENDIX 5

AIRCRAFT NOISE CERTIFICATION LEVELS IN
DESCENDING EPNdB FOR U.S. CERTIFICATED
TURBOJET POWERED AIRCRAFT

*** APPROACH ***

MAKE	MODEL	MTOW	ENGINE MODEL	FLAPS TAKE- OFF & APPR.	NOISE LEVELS (EPNdB) APPR.
BOEING	B-747-200	785.0	JT9D-7WET	10 30	106.8
MCDONNELL DOUGLAS	DC-10-30	590.0	CF6-50C2-B	15 50	106.8
BOEING	B-747-2R	610.0	JT9D-7A	10 30	106.7
BOEING	B-747-200	833.0	JT9D-7Q	10 30	106.6
BOEING	B-747-300	820.0	JT9D-7R4G2	10 30	106.6
BOEING	B-747-100	750.0	RB.211-524C2	10 30	106.5
MCDONNELL DOUGLAS	DC-10-30	572.0	CF6-50C2-R	10 50	106.5
MCDONNELL DOUGLAS	DC-10-30	590.0	CF6-50C2	15 50	106.4
MCDONNELL DOUGLAS	DC-10-40	572.0	JT9D-59A	10 50	106.4
BOEING	B-727-200	177.6	JT8D-7FCD	5 40	106.3
BOEING	B-747-200	773.0	JT9D-3AWET	10 30	106.2
BOEING	B-747-200	770.0	JT9D-7	10 30	106.2
BOEING	B-747-200	767.0	JT9D-3A	10 30	106.0
BOEING	B-727-100	169.5	JT8D-9FCD	5 40	105.8
BOEING	B-727-200	178.0	JT8D-9FCD	5 30	105.8
BOEING	B-747-200	820.0	JT9D-70A	10 30	105.8
BOEING W/COMTRAN ON	B-707-300B(ADV)/300C	322.3	JT9D-3D-3B(IC)	14 25	105.7
MCDONNELL DOUGLAS	DC-10-40	530.0	JT9D-20D	10 50	105.7
BOEING	B-747-200	820.0	CF6-50E	10 30	105.6
BOEING	B-747-200	833.0	CF6-50E2	10 30	105.6
MCDONNELL DOUGLAS	DC-10-10	455.0	CF6-6D	0 50	105.5
MCDONNELL DOUGLAS	DC-10-10	455.0	CF6-6D1	4 50	105.5

APPENDIX 5

AIRCRAFT NOISE CERTIFICATION LEVELS IN
DESCENDING EPNdB FOR U.S. CERTIFICATED
TURBOJET POWERED AIRCRAFT

*** APPROACH ***

MAKE	MODEL	MTOW	ENGINE MODEL	FLAPS TAKE-OFF APPR.	NOISE LEVELS (EPNdB) APPR.
MCDONNELL DOUGLAS	DC-10-10	455.0	CF6-6D1A	4 50	105.5
BOEING	B-737-200 ADV.	122.5	JT8D-9QN	1 40	105.3
BOEING	B-737-200 NON-ADV.	117.0	JT8D-9QN	1 40	105.3
BOEING	B-747-300	800.0	CF6-50E2	10 30	105.0
BOEING	B-727-200	172.5	JT8D-7QN	15 40	104.9
BOEING	B-747-200	833.0	RB.211-524D4	10 30	104.9
BOEING	B-727-100	169.5	JT8D-7FCD	5 40	104.3
BOEING	B-747-BR	571.0	CF6-45A2	10 30	104.2
BOEING	B-727-100	169.5	JT8D-7FCD	5 40	104.1
BOEING	B-747-SP	660.0	JT9D-7F	10 30	104.1
BOEING	B-747-SP	701.0	JT9D-7FW	10 30	104.1
BOEING	B-737-200 ADV.	128.1	JT8D-15QN	1 40	103.8
MCDONNELL DOUGLAS	DC-10-10	455.0	CF6-6K	0 50	103.8
MCDONNELL DOUGLAS	DC-10-10	455.0	CF6-6K2	4 50	103.8
BOEING	B-747-SP	701.0	JT9D-7J	10 30	103.3
BOEING	B-727-200	190.5	JT8D-15QN	5 40	103.2
BOEING	B-727-200	190.5	JT8D-17QN	5 40	103.2
BOEING	B-727-200	208.0	JT8D-17RQN	5 40	103.2
BOEING	B-727-200	184.8	JT8D-9QN	15 40	103.2
BOEING	B-747-SP	702.0	JT9D-7A	10 30	103.2
AIRBUS	A300B2-203	313.1	CF6-50C2	16 25	103.1
MCDONNELL DOUGLAS	DC-10-15	455.0	CF6-50C2-F	5 50	103.1

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APPENDIX 5

AIRCRAFT NOISE CERTIFICATION LEVELS IN
DESCENDING EPNdB FOR U.S. CERTIFICATED
TURBOJET POWERED AIRCRAFT

*** APPROACH ***

MAKE	MODEL	MTOW	ENGINE MODEL	FLAPS TAKE-OFF & APPR.	NOISE LEVELS (EPNdB) APPR.
AIRBUS	A300B4-103	347.2	CF6-50C2	16 25	103.0
BRITISH AEROSPACE	HS 125-600A	25.50	VIPER 601	45	102.9
BOEING	B-737-200 ADV.	128.1	JT8D-17QN	1 40	102.8
BOEING	B-747-SP	694.0	RB.211-524B2	10 30	102.8
LOCKHEED	L-1011	430.0	RB.211-22B	14 42	102.8
LOCKHEED	L-1011-1	430.0	RB.211-22B	10 42	102.8
LOCKHEED	L-1011-100	466.0	RB.214-22B	10 42	102.8
BOEING	B-767-200	345.0	JT9D-7R4D(A)	1 30	102.7
GATES LEARJET	25D	15.00	CJ610-6	20 40	102.7
BOEING	B-767-200	345.0	JT9D-7R4D(B)	1 30	102.6
AIRBUS	A300B4-203	363.7	CF6-50C2	16 25	102.4
BOEING	B-737-200 NON-ADV.	109.0	JT8D-7QN	1 40	102.1
LOCKHEED	L1011-500	510.0	RB211-524B4	10 33	102.0
BOEING	B-767-200	351.0	JT9D-7R4E	1 30	101.9
MCDONNELL DOUGLAS	DC-09-34	121.0	JT8D-17	0 50	101.9
MCDONNELL DOUGLAS	DC-09-50	121.0	JT8D-15	0 50	101.9
MCDONNELL DOUGLAS	DC-09-50	121.0	JT8D-17	0 50	101.9
FOKKER	F28 MK2000	65.00	SPEY MK555-15	6 42	101.8
BOEING	B-767-200	345.0	CF6-80A	1 30	101.7
BOEING	B-767-200	351.0	CF6-80A2	1 30	101.7
GATES LEARJET	28/29	15.00	CJ610-8A	8 40	101.7
LOCKHEED	L-1011-500	496.0	RB.211-524B	14 33	101.5

APPENDIX 5

AIRCRAFT NOISE CERTIFICATION LEVELS IN
DESCENDING EPNdB FOR U.S. CERTIFICATED
TURBOJET POWERED AIRCRAFT

*** APPROACH ***

MAKE	MODEL	MTOW	ENGINE MODEL	FLAPS TAKE-OFF & APPR.	NOISE LEVELS (EPNdB) APPR.
FOKKER	F28 MK4000	73.00	RB183MK555-15P	6 42	101.4
LOCKHEED	L-1011-200	466.0	RB.211-524B	10 33	101.4
MCDONNELL DOUGLAS	DC-09-34	121.0	JT8D-15	0 50	101.4
FOKKER	F28 MK1000	65.00	RB183MK555-15	6 42	101.2
MCDONNELL DOUGLAS	DC-09-30	108.0	JT8D-17	0 50	101.1
GATES LEARJET	25	15.00	CJ610-6		100.8
GATES LEARJET	25C	15.00	CJ610-6	20 40	100.8
MCDONNELL DOUGLAS	DC-09-10	90.70	JT8D-7/-7A	10 50	100.4
BOEING	B-757-200	240.0	RB.211-535C	5 30	100.3
LOCKHEED	L-1011-500	504.0	RB.211-524B3	22 33	100.2
ROCKWELL INTERNAT.	SABRELINER 80	23.30	CF700-2D-2		100.2
BOEING	B-737-300	135.0	CFM56-3-B-1	1 40	99.9
BOEING	B-737-300	135.0	CFM56-3-B-2	1 40	99.9
BRITISH AEROSPACE	1-11 400	89.50	SPEY511-14/14W	0 45	99.9
FOKKER	F28 MK3000	71.00	RB183MK555-15H	6 42	99.4
FOKKER	F28 MK4000	73.00	RB183MK555-15H	6 42	99.4
MCDONNELL DOUGLAS	DC-09-30	114.0	JT8D-9	0 50	99.4
MCDONNELL DOUGLAS	DC-09-40	114.0	JT8D-11	0 50	99.4
MCDONNELL DOUGLAS	DC-09-40	114.0	JT8D-15	0 50	99.4
MCDONNELL DOUGLAS	DC-09-34	110.0	JT8D-9	0 50	99.1
MCDONNELL DOUGLAS	DC-09-30	114.0	JT8D-15	0 50	99.0
MCDONNELL DOUGLAS	DC-08-71	328.0	CFM56-2-C1	15 50	98.6

APPENDIX 5

AIRCRAFT NOISE CERTIFICATION LEVELS IN
DESCENDING EPNdB FOR U.S. CERTIFICATED
TURBOJET POWERED AIRCRAFT

*** APPROACH ***

MAKE	MODEL	MTOW	ENGINE MODEL	FLAPS TAKE-OFF & APPR.	NOISE LEVELS (EPNdB) APPR.
MCDONNELL DOUGLAS	DC-08-73	355.0	CFM56-2-C1	12 50	98.5
ROCKWELL INTERNAT.	SABRELINER 60	20.20	JT12A-8	24	98.5
GULFSTREAM AMER.	G-II GULFSTREAM	65.50	SPEY 511-8	10 39	98.4
MCDONNELL DOUGLAS	DC-08-72	350.0	CFM56-2-C1	12 50	98.2
GATES LEARJET	23	12.50	CJ610-1/-4	10	98.0
GATES LEARJET	24	13.00	CJ610-1/-4	10	98.0
BRITISH AEROSPACE	1-11 200	79.80	SPEY 506	3 45	97.8
BOEING	B-757-200	230.0	P+W 2037	5 30	97.6
DASSAULT BREQUET	FALCON 50	38.80	TFE 731-2	20 48	97.4
GULFSTREAM AMER.	G-IIB/G-III	68.20	SPEY 511-8	10 39	97.3
GULFSTREAM AMER.	G-III	69.70	SPEY 511-8	10 39	97.3
MCDONNELL DOUGLAS	DC-09-30	110.0	JT8D-7	0 50	97.3
MCDONNELL DOUGLAS	DC-09-30	108.0	JT8D-7A	0 50	97.3
LOCKHEED	1329-23	43.80	TFE731-3-1E	20 59	96.9
LOCKHEED	1329-25 JETSTAR II	44.50	TFE731-3		96.9
GATES LEARJET	24D	13.50	CJ610-6	20 40	96.7
BRITISH AEROSPACE	125-800	27.40	TFE731-5R-1H	0 45	96.5
BRITISH AEROSPACE	HS 125-3A	21.70	TFE 731-3	45	96.3
BRITISH AEROSPACE	HS 125-600A	25.50	TFE 731-3	45	96.3
BRITISH AEROSPACE	HS 125-700A	25.50	TFE 731-3	45	96.3
BRITISH AEROSPACE	HS 125-1A	21.20	TFE 731-3R	45	96.0
BRITISH AEROSPACE	HS 125-1A /1867	21.70	TFE 731-3	45	96.0

APPENDIX 5

AIRCRAFT NOISE CERTIFICATION LEVELS IN
DESCENDING EPNdB FOR U.S. CERTIFICATED
TURBOJET POWERED AIRCRAFT

*** APPROACH ***

MAKE	MODEL	MTOW	ENGINE MODEL	FLAPS TAKE- OFF & APPR.	NOISE LEVELS (EPNdB) APPR.
BRITISH AEROSPACE	HS 125-700A	25.50	TFE 731-3R	45	96.0
BRITISH AEROSPACE	HS 125-3A/RA	25.60	TFE 731-3	45	95.7
BRITISH AEROSPACE	HS 125-400A	23.60	TFE 731-3	45	95.7
BRITISH AEROSPACE	HS 125-400F	23.60	TFE 731-3	45	95.7
BRITISH AEROSPACE	146-200A	89.50	ALF 502R-5	10 33	95.6
DASSAULT BREGUET	FALCON 10	18.30	TFE 731-2	15 52	95.3
GATES LEARJET	24E	12.90	CJ610-6	8 40	95.3
GATES LEARJET	24F	13.50	CJ610-6	8 40	95.3
GATES LEARJET	24F-A	12.50	CJ610-6	8 40	95.3
GATES LEARJET	25D/25F	15.00	CJ610-6/6A	8 40	95.2
BRITISH AEROSPACE	146-100A	76.00	ALF 502R-3	10 33	95.1
BOEING	B-757-200	240.0	RB 211-535-E4	5 30	95.0
DASSAULT BREGUET	FALCON 200 MYSTERE	22.00	ATF3-6-4C	5 40	93.9
CESSNA	440 CITATION III	22.00	TFE731-3B-1005	20 37	93.8
MCDONNELL DOUGLAS	MD-80	160.0	JT8D-217	3 40	93.7
MCDONNELL DOUGLAS	MD-80	160.0	JT8D-219	2 40	93.7
MCDONNELL DOUGLAS	MD-80	149.8	JT8D-209	0 40	92.9
GATES LEARJET	35/36	18.00	TFE 731-2-2B	20 40	92.2
GATES LEARJET	35A/36A	18.30	TFE 731-2-2B	8 40	91.4
GATES LEARJET	36A	18.30	TFE731-2-2B	20 40	91.4
MITSUBISHI	MU-300-10	15.78	JT15D-5	10 30	91.4
GATES LEARJET	35A	18.00	TFE 731-2-2B	20 40	91.3

APPENDIX 5

AIRCRAFT NOISE CERTIFICATION LEVELS IN
DESCENDING EPNdB FOR U.S. CERTIFICATED
TURBOJET POWERED AIRCRAFT

*** APPROACH ***

MAKE	MODEL	MTOW	ENGINE MODEL	FLAPS TAKE- OFF & APPR.	NOISE LEVELS (EPNdB) APPR.
CANADAIR	CL-600	36.00	ALF-502	20 45	91.2
GATES LEARJET	55	21.00	TFE731-3A-2B	8 40	90.6
ROCKWELL INTERNAT.	SABRELINER 65	24.00	TFE731-3R		90.6
CESSNA	550 CITATION II	13.30	JT15D-4	15 40	90.5
CESSNA	551 CITATION II	12.50	JT15D-4	15 40	90.5
AEROSPATIALE	BN601 CORVETTE	13.90	JT15D-4	15 35	89.5
CANADAIR	CL-601 CHALLENGER	42.10	CF34-1A	20 45	89.4
ISRAEL AIRCRAFT	1124 WESTWIND	22.90	TFE731-3-1C	20 20	88.4
CESSNA	500 CITATION I	10.30	JT15D-1	15 40	87.7
CESSNA	500/501 CITATION I	11.80	JT15D-1/-1A	15 40	87.7
MITSUBISHI	MU-300	14.10	JT15D-4	10 30	85.8

See Appendix 1 for corresponding notes and references.

APPENDIX 6
AIRCRAFT NOISE DATA FOR U.S. CERTIFICATED PROPELLER DRIVEN
AIRCRAFT IN THE LARGE TRANSPORT CATEGORY

AIRCRAFT MAKE/MODEL	INTOW LV (1000)	ENGINE NUMBER MAKE/MODEL	PROPELLER DIAM/BLADES (IN)	MAKE/MODEL	FLAPS TAKE OFF APP	FORWARD: NOISE LEVELS SPEED (KTS)	SIDE: TAKE OFF LINE ALT. FT.	APPR 2000 H.	REFERENCE A C E	NOTES
ATR 42-300	34.73 34.17	2 PRATT & WHITNEY 11200-145F-1	154.4	HAMILTON STD	151 301	83.8 82.1	94.8 94.8		MM	
ATR 42-300	35.30 34.20	2 PRATT & WHITNEY 11200-145F-1	154.4	HAMILTON STD	151 301	83.8 82.6	94.8 94.8		MM	
BRIT. AEROSPACE 748-2A	44.50 43.00	2 ROLLS-ROYCE DART 532-2	144.4	ROTOL	151 281	122.2 106.1	92.3 103.8	103.8	CR	
BRIT. AEROSPACE 748-2B	44.50 43.00	2 ROLLS-ROYCE DART 532-2	144.4	ROTOL	151 281	120.2 106.0	92.5 103.8	103.8	BA	
BRIT. AEROSPACE JETSTREAM 31	15.21 14.55	3 CABBETT TP231-10 UT/R	106.4	ROTOL	101 301	82.8 89.5	84.4 84.4		BA	
CASA C-212-CB	14.33 13.80	2 AIRESEARCH TPE 331-S-251C	107.4	HARTZELL	101 301	125.0 120.0	84.0 87.3	91.2 91.2	EU	
CASA C-212-CC	14.43 16.21	2 AIRESEARCH TPE 331-10-501C	110.4	HARTZELL	101 151	135.0 130.0	84.7 87.6	93.7 93.7	EU	
DEHAVILLAND DHC-7-101	43.00 41.00	4 PRATT-WHITNEY PT6A-50	135.4	HAMILTON STD	251 251	95.10 102.1	83.3 88.1	91.6 91.6	ME	
DEHAVILLAND DHC-7-103	44.00 42.00	4 PRATT-WHITNEY PT6A-50	135.4	HAMILTON STD	251 251	95.90 102.3	84.0 88.1	91.6 91.6	ME	
DEHAVILLAND DHC-8	33.00 32.40	2 PRATT-WHITNEY PW 120	154.4	HAMILTON STD	151 351	86.3 88.7	95.1 95.1		CR	
EMBRAER EMB-120	21.17 21.17	2 PRATT-WHITNEY PW 115	124.4	HAMILTON STD	151 251	110.0 110.0	81.4 74.6	92.5 92.5	SO	
FOKKER F27 MK500	45.00 42.00	2 ROLLS-ROYCE DART 7/HK333-7R	138.4	ROTOL	01 401	127.9 107.0	92.2 100.3	100.3	MM	

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APPENDIX 4
AIRCRAFT NOISE DATA FOR U.S. CERTIFICATED PROPELLER DRIVEN
AIRCRAFT IN THE LARGE TRANSPORT CATEGORY

AIRCRAFT MAKE, MODEL	INTOW KV	ENGINE SERIES	PROPELLER MAKE, MODEL	DIAM: HEADS: YARCOFF TO REF (IN): PITCH: APPR	FLAPS	SPEED (KTS)	FORWARD: NOISE LEVELS EPNdB			A REFERENCE NOTES
							SIDE LINE	TAKE OFF	APPR H	
FOKKER F27 MK300	45.00	2 18193-4-30-4	18193-4-30-4	13014	V	01 127.9 00 109.0	90.11	86.9	94.313	NR 1
FOKKER F27 MK300	45.00	2 18193-4-30-4	18193-4-30-4	13014	V	01 127.9 00 109.0	89.81	87.4	94.313	NR 1
FOKKER F27 MK300	45.90	2 18193-4-30-4	18193-4-30-4	13014	V	01 129.0 00 109.0	89.81	87.6	94.313	NR 1
FOKKER F27 MK400	45.00	2 18193-4-30-4	18193-4-30-4	13014	V	01 127.9 00 107.0	92.21	90.6	100.312	NR
LOCKHEED L 100-30	153.01	4 18050: HAMILTON STD.	18050: HAMILTON STD.	16110	V	100 107.0 300 141.0	93.91	90.4	99.112	0-1 0 NR
SAAB FAIRCHILD 340	27.00	2 18110: GENERAL ELECTRIC 18110-4-123-771	18110: GENERAL ELECTRIC 18110-4-123-771	12614		100 107.0 300 141.0	87.61	79.3	89.613	CR
SAAB FAIRCHILD 340	27.00	2 18110: GENERAL ELECTRIC 18110-4-123-771	18110: GENERAL ELECTRIC 18110-4-123-771	12614		100 107.0 300 141.0	87.61	79.3	89.613	CR
SHORT BROS. S20-30	23.00	2 18120: PRATT+WHITNEY 18120-4-123-771	18120: PRATT+WHITNEY 18120-4-123-771	11115	V	01 107.0 00 102.0	83.91	80.3	91.813	CR 0
SHORT BROS. S20-40	25.70	2 18120: PRATT+WHITNEY 18120-4-123-771	18120: PRATT+WHITNEY 18120-4-123-771	11115	V	01 107.0 00 102.0	83.71	80.4	89.713	CR 0

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APPENDIX 6 REFERENCES

A-1 ADVISORY CIRCULAR 36-1B 12/5/77
BA BRITISH AEROSPACE
CR CERTIFICATION REPORT
EU EUROPEAN REGION
NE NEW ENGLAND REGION
NM NORTHWEST MOUNTAIN REGION
SO SOUTHERN REGION

APPENDIX 6 NOTES

1 EQUIPPED WITH STANDARD HUSHKIT
* FULL THRUST TAKEOFF
** 650 METER SIDELINE
 SEE APPENDIX 1 FOR CHARTS AND EQUATIONS FOR THE CALCULATION OF NOISE CERTIFICATION LIMITS

AC 36-1D
Appendix 6

APPENDIX 7
AIRCRAFT NOISE DATA FOR U.S. CERTIFICATED PROPELLER DRIVEN
AIRCRAFT NOT EXCEEDING 2500 LBS

AIRCRAFT MAKE/MODEL POPULAR NAME	ENGINE			PROPELLER			NOISE LEVELS DB(A)		
	HTOW (LBS/ 1000)	NUMBER MAKE MODEL	SRP RPM EHP	MAKE MODEL	DIA:IN (IN):A RPM :D E :H	P: I: C: H:	TEST SPEED: CORR:LVL	NOISE: PERF: CORR:LVL	NOTES: REFERENCES
ANDERSON GREEN- WOOD 51	3.15: 3.15:	1 AVCO LYCOMING O-540-A4DS	250: 2575: 3	HARTZELL	77:2 2575:	V: :	147: :	75.2:-1.3: :	73.7: :SV
BEECH A36 DOWNTA	3.60: 3.60:	1 TELEDYNE 10-520-B	240: 2700: 5	MCCAULEY	80:3 2700:	V: :	175: :	78.0:-0.4: :	78.2: :G-3
BEECH A36 DOWNTA	3.60: 3.60:	1 TELEDYNE 10-520-M	220: 2550: 5	MCCAULEY	84:2 2550:	V: :	173: :	78.0:-0.4: :	77.4: :CE
BEECH A36TC DOWNTA	3.65: 3.65:	1 TELEDYNE TS10-520-U	300: 2700: 5	MCCAULEY	80:3 2700:	V: :	149: :	79.5:-0.3: :	79.2: :ICE
BEECH B100 KING AIR	11.8: 11.2:	2 AIRSEARCH TTC 331-6-252 B	715: 2000: 1	HARTZELL	90:4 2000:	V: :	230: :	80.2:-2.9: :	77.3: :ICE
BEECH B190	16.6:	2 FRATT-WHITNEY PTA-65B	1100: 1700: 2	HARTZELL	110:4 1702:	V: :	60.5: :	3.0: :	77.4:1 :ICE
BEECH B200 SUPER KING AIR	12.5: 12.5:	2 FRATT-WHITNEY PTA-41	847: 2000: 1	HARTZELL	90:3 2000:	V: :	251: :	82.0:-4.1: :	78.7: :CE
BEECH B200 SUPER KING AIR	12.5: 12.5:	2 FRATT-WHITNEY PTA-42	850: 2000: 1	HARTZELL	90:3 2000:	V: :	245: :	82.0:-3.4: :	79.2: :ICE
BEECH B200/B200C SUPER KING AIR	12.5: 12.5:	2 FRATT-WHITNEY PTA-41	845: 2000: 1	HARTZELL	99:3 1996:	V: :	251: :	82.4:-3.6: :	79.2: :CE
BEECH B200CT SUPER KING AIR	12.5: 12.5:	2 FRATT-WHITNEY PTA-42	845: 2000: 1	HARTZELL	99:3 1996:	V: :	251: :	82.0:-3.3: :	79.5: :ICE
BEECH B300 SUPER KING AIR	15.0:	2 FRATT-WHITNEY PTA-60A	1050: 1700: 2	HARTZELL	105:4 1700:	V: :	75.9: :	3.0: :	72.1:1 :ICE

APPENDIX 7
AIRCRAFT NOISE DATA FOR U.S. CERTIFICATED PROPELLER DRIVEN
AIRCRAFT NOT EXCEEDING 12500 LBS

AIRCRAFT MAKE, MODEL POPULAR NAME	MTOW LV (LBS/ 1000)	ENGINE		PROPELLER			NOISE LEVELS DB(A)					
		NUMBER MAKE MODEL	SWP RPM EIH	MAKE MODEL	DIAM (IN) RPH D	P T C H	TEST SPEED	NOISE MEAS	PERF CORR	CORR LVL	NOTES	REFERENCES
BEECH B36TC BONANZA	3.86 3.86	1 TELEDYNE TS10-520-U	293 2700	MCCAULEY 82NDA-4	78 2700	3 V	177	78.7	0.5	79.2		G-3
BEECH B55 BARON	5.10 5.10	2 TELEDYNE 10-470-L	221 2550	HARTZELL PHC-C3YF-2/FC7663-2R	76 2550	3 V	177	77.7	-3.0	74.7		CE
BEECH B55 BARON	5.10 5.10	2 TELEDYNE 10-470-L	223 2550	HARTZELL BHC-C2YF-2CH/FC8465-6	78 2550	2 V	178	81.0	-3.0	78.0		CE
BEECH B58 BARON	5.40 5.40	2 TELEDYNE 10-520-C	254 2550	HARTZELL BHC-J2YF-2C/FC8475-6	78 2550	2 V	192	82.0	-3.1	78.9		CE, G-3
BEECH B58 BARON	5.40 5.40	2 TELEDYNE 10-520-C	256 2450	HARTZELL PHC-J3YF-2/FC7663-DR	76 2450	3 V	195	81.9	-3.1	78.8		CE, G-3
BEECH B58	5.50 5.40	2 TCM 10-550-C4B	300 2700	HARTZELL FC-7863Q	74 2700	4 V	194	78.5	-3.1	75.4		CE
BEECH B58P BARON	6.20 6.20	2 CONTINENTAL TS10-520-WB	294 2600	HARTZELL PHC-J3YF-2UF/FC7663-DR	78 2600	3 V	197	78.2	-2.1	76.1		CE
BEECH B58P PRESS. BARON	6.10 6.10	2 TELEDYNE TS10-520-L	301 2600	HARTZELL PHC-J3YF-2/FC7663-DR	78 2600	3 V	193	80.6	-1.5	79.1		A-1, G-3
BEECH B58TC TURBO BARON	6.10 6.10	2 TELEDYNE TS10-520-WB	294 2600	HARTZELL PHC-J3YF-2UF/FC7663-DR	78 2600	3 V	197	78.2	-2.1	76.1		CE
BEECH B58TC TURBO BARON	6.20 6.20	2 CONTINENTAL TS10-520-L	301 2600	HARTZELL PHC-J3YF-2F/FC7663-DR	78 2600	3 V	193	80.6	-1.5	79.1		CE, G-3
BEECH B60 DUKE	6.78 6.78	2 LYCOMING 10-541-21C4	296 2750	HARTZELL HC-F3YR-2UF/FC7479B-2R	74 2750	3 V	178	82.1	-2.5	79.6		G-3

APPENDIX 7
AIRCRAFT NOISE DATA FOR U.S. CERTIFICATED PROPELLER DRIVEN
AIRCRAFT NOT EXCEEDING 12500 LBS

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AIRCRAFT MAKE, MODEL POPULAR NAME	MTOW LV (LBS/ 1000)	ENGINE		PROPELLER			NOISE LEVELS DB(A)				NOTES	REFERENCES
		NUMBER MAKE MODEL	SHP RPM EXH	MAKE MODEL	DIAM (IN) RPM E	TYPE V F	TEST SPEED MEAS	NOISE CORR	PERF CORR	LVL		
BEECH B45-90 TAURUS	9.02 8.55	2 PRATT-WHITNEY PT6A-135	700 1900 4	HARTZELL HC-B3TN-2(B)/T10173B-8	93.3 1900	V	233	76.2	-5.8	70.4		5W
BEECH B74 DUCHESS	3.90 3.90	2 LYCOMING O-360-A1C6D	165 2700 2	HARTZELL HC-M2YR-2CEUF/FC7466A	76.2 2700	V	169	80.2	-1.5	78.7		CE
BEECH B74 DUCHESS	3.98	2 LYCOMING O-360-A1C6D	165 2700 1	HARTZELL HC-M2YR-2CLUF/FC7466A	76.2 2700	V	160	79.5	-2.3	77.2		I-1, G-3
BEECH B77 SKIPPER	1.68 1.68	1 LYCOMING O-235-L2C	115 2700 8	SENENICH 72CK512-0-52	72.2 2700	F	104	45.1	-1.3	43.8		CE
BEECH B95-C55	5.30 5.30	2 TCM IO-550-C	300 2700 2	HARTZELL FC-70630	74.4 2700	V	196	78.5	-3.1	75.4		CE
BEECH C23 SUNDOWNER	2.45 2.45	1 LYCOMING O-360-A4J	163 2700 2	SENENICH 74EM855-0-60	76.2 2700	F	117	73.3		73.3		CE
BEECH C24R SIERRA	2.75 2.75	1 LYCOMING O-360-A1B6	202 2700 2	HARTZELL HC-M2YR-1BF/FC7466A-2R	76.2 2700	V	137	73.0	-1.3	71.7		B-1, CE
BEECH C90 KING AIR C90	9.46 9.17	2 PRATT-WHITNEY PT6A-21	550 2200	HARTZELL HC-B3TN-2B/T10173B-8	93.3 2200	V	231	78.7	-4.4	74.3		G-3
BEECH C99 AIRLINER	11.3 11.3	2 PRATT-WHITNEY PT6A-34	715 2200	HARTZELL HC-B3TN-3/T10173B-8	93.3 2200	V	241	79.3	-3.4	75.9		CE
BEECH D55	5.30 5.30	2 TCM IO-550-C	300 2700 2	HARTZELL FC-70630	74.4 2700	V	196	78.5	-3.4	75.0		CE
BEECH E55 BARON	5.30 5.30	2 TELEDYNE IO-520-C	256 2650 2	HARTZELL PHC-J3Y-2F/FC7463-2R	76.3 2650	V	195	81.9	-3.2	78.7		CE

APPENDIX 7
AIRCRAFT NOISE DATA FOR U.S. CERTIFICATED PROPELLER DRIVEN
AIRCRAFT NOT EXCEEDING 12500 LBS

AIRCRAFT MAKE, MODEL POPULAR NAME	ENGINE			PROPELLER			NOISE LEVELS DB(A)		
	RTOW (LBS/ 1000)	NUMBER MAKE MODEL	SEP RPM EIN	DIAM: L (IN): A RPM: D E: H	TEST ID C	NOISE: PERF: CORR SPEED: REAS: CORR: LVL	NOTES: REFERENCES		
BEECH ESS BARON	5.30	2	250	70:2	V	191	82.0:-3.2	78.0	ICE
	5.30	TELETYPE 10-520-C	2550:RHC-C2XF-2C/FC6975-6 2	2550					
BEECH ESS	5.30	2	300	74:4	V	79.5	-3.4	75.0	ICE
	5.30	TCN 10-550-C	2700:FC-70430 2	2700					
BEECH ESS	5.30	2	300	74:4	V	78.5	-3.4	75.0	ICE
	5.30	TCN 10-550-C	2700:FC-70430 V	2700					
BEECH E90 KING AIR 970	10.1	2	550	92:3	V	231	79.0:-0.0	75.0	IC-3
	9.70	FRATT+SMITHY PT6A-28	2200:HC-BJTM-28/T101730-8 V	2200					
BEECH F33 A/C BONANZA	3.00	1	240	80:3	V	175	70.3:-1.4	74.9	ICE, C-3
	3.00	TELETYPE 10-520-B	2700:3A32C74/82MB-2 5	2700					
BEECH F33 A/C BONANZA	3.00	1	220	84:2	V	173	70.1:-1.3	74.6	ICE
	3.00	TELETYPE 10-520-BA	2550:2A36C23/94 B-0 5	2550					
BEECH F90 SUPER KING AIR 90	11.0	2	750	92:4	V	240	77.9:-3.0	72.9	ICE
	11.0	FRATT+SMITHY PT6A-135	1900:HC-B6TM-30/T101730B-10.5 1	1900					
BEECH V35B BONANZA	3.00	1	240	80:3	V	175	70.0:-2.0	74.0	ICE, C-3
	3.00	TELETYPE 10-520-B	2700:3A32C74/82 MB-2 5	2700					
BEECH V35B BONANZA	3.00	1	220	84:2	V	173	70.1:-1.3	74.6	ICE
	3.00	TELETYPE 10-520-BA	2550:2A36C23/94B-0 5	2550					
HELLANCA 17-30A VIKING	3.20	1	225	70:3	E	129	79.4:-1.9	77.5	ICL
	3.20	CONTINENTAL 10-520-K	2550:D3A34C401/900EA-12 0	2550					

APPENDIX 7
 AIRCRAFT NOISE DATA FOR U.S. CERTIFICATED PROPELLER DRIVEN
 AIRCRAFT NOT EXCEEDING 12500 LBS

11/4/85

AIRCRAFT MAKE, MODEL POPULAR NAME	MTOW LV (LBS/ 1000)	ENGINE		PROPELLER				NOISE LEVELS DB(A)			
		NUMBER MAKE MODEL	SHF RPM EXN	MAKE MODEL	DIAMETER (IN) RPM	TYPE ID E	TEST SPEED	NOISE MEAS.	PERF CORR	NOTES	REFERENCES
BELLANCA 7ECA CITABRIA	1.45 1.65	1 LYCOMING O-235-K3C	115 2700 2	SENSENICH 74DM658-1-56	72 12700	F	71.5	-2.7	68.8	ICL	
BELLANCA 7CAA CITABRIA	1.45 1.65	1 LYCOMING O-320-A2B/-A2D	150 2700 2	SENSENICH 74DM658-1-56	73 12800	F	71.5	-4.7	64.8	ICL	
BELLANCA 7CCBC CITABRIA	1.65 1.65	1 LYCOMING O-320-A2B/A2D	150 2700 2	SENSENICH 74DM658-1-56	73 12700	F	117 71.5	-4.4	66.9	ICL	
BELLANCA 7CCBC SEAPLANE CITABRIA	1.80 1.80	1 LYCOMING O-320	150 2700 2	MCCAULEY 1A175CMA/8040	80 12500	F	89	68.4	1.9	70.9	ICL
BELLANCA 8CCBC SCOUT	2.15 2.15	1 LYCOMING O-340-C1A/-C1E	180 2700 2	HARTZELL HC-C2YR-18F/F7666A	76 12550	F	74.3	-3.4	72.9	ICL	
BELLANCA 8CCBC SCOUT	2.15 2.15	1 LYCOMING O-340-C2A/-C2E	149 2700 2	MCCAULEY 1A200/HFA	80 12550	F	113	74.3	-3.5	72.8	ICL
BELLANCA 8XCAB DECATHLON	1.80 1.80	1 LYCOMING AE10-320-E1B	150 2700 2	HARTZELL HC-C3YL-4F/FC7663-4	72 12800	V	72.2	-2.2	70.0	ICL	
BELLANCA 8XCAB DECATHLON	1.80 1.80	1 LYCOMING AE10-320-E2B	150 2700 2	SENSENICH 74DM658-0	74 12800	F	72.2	-3.0	69.2	ICL	
BELLANCA 8XCAB DECATHLON	1.80 1.80	1 LYCOMING AE10-360-H1A	180 2700 2	HARTZELL HC-C2YR-4CF/FC7666A-2	74 12900	V	122	72.2	-5.0	67.2	ICL
BRITISH AEROSPACE JETSTREAM 31	14.6 14.6	2 AIRESEARCH TPE-331-10U-501	900 R333/4-82-F/12	DOVY ROTOL	106 11591	V	74.4	-3.5	70.9	BA	
BRITISH AEROSPACE JETSTREAM 31	15.2 14.6	2 GARRETT TPE-331-10 UP/R	940 R333/4-82-F/12	DOVY ROTOL	106 11591	V	71.7		71.7	BA	

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 Appendix 7

APPENDIX 7
 AIRCRAFT NOISE DATA FOR U. S. CERTIFICATED PROPELLER DRIVEN
 AIRCRAFT NOT EXCEEDING 12500 LBS

AIRCRAFT MAKE, MODEL POPULAR NAME	MTOW LV (LBS/ 1000)	ENGINE		PROPELLER				NOISE LEVELS DB(A)					
		NUMBER MAKE MODEL	SHF RPM EXH	MAKE MODEL	DIAM (IN)	BLADES P	TEST SPEED	NOISE MEAS.	PERF CORR	CORR LVL	NOTES	REFERENCES	
CESSNA 152 MODEL 152	1.67 1.67	1 LYCOMING O-235-L2C	110 2550 8	MCCAULEY 1A102/TCM6955	69 2550	2	F	101	65.8	-1.0	64.8	S-1	
CESSNA 152/A152 MODEL 152	1.67 1.67	1 LYCOMING O-235-L2C	110 2550 8	MCCAULEY 1A103/TCM6958	69 2550	2	F	104	66.7	-0.4	66.3	CE, S-1	
CESSNA 172N (LAND) SKYHAWK	2.30 2.30	1 LYCOMING O-320-H2AD	160 2700 8	MCCAULEY 1C160/DTM 7557	75 2700	2	F	115	74.3	-0.5	73.8	CE, S-1	
CESSNA 172N (SEA) SKYHAWK	2.20 2.18	1 LYCOMING O-320-H2AD	160 2700 8	MCCAULEY 1A175/ETH8042	80 2700	2	F	91	73.6	-1.4	72.2	CE, S-1	
CESSNA 172P SKYHAWK	2.40 2.40	1 LYCOMING O-320-D25	160 2700 8	MCCAULEY 1C160/DTM7557	75 2700	2	F	115	74.3	-0.5	73.8	G-3	
CESSNA 172RC SKYHAWK RG	2.65 2.65	1 LYCOMING O-360-F1A6	180 2700 8	MCCAULEY B2D34C220/80VLA-3.5	76 2700	2	V	136	73.4	0.5	73.9	CE, S-1	
CESSNA 177B CARDINAL	2.50 2.50	1 LYCOMING IO-360-A1F6D	180 2700 8	MCCAULEY B2D34C211/82PCA-6	76 2700	2	V	124	72.0	-0.3	71.7	CE, S-1	
CESSNA 177RC CARDINAL RG	2.80 2.80	1 LYCOMING IO-360-A1B6D	200 2700 8	MCCAULEY B2D34C207/78TCA-0	78 2700	2	V	139	76.3	-0.7	75.6	CE, S-1	
CESSNA 180K (AMPHIB) SKYWAGON	2.95 2.95	1 TCM O-470-U	230 2400 8	MCCAULEY C2A34C204/90DCA-2	88 2400	2	V	123	74.0	-2.2	71.8	CE, G-2, S-1	
CESSNA 180K (LAND) SKYWAGON	2.80 2.80	1 TCM O-470-U	230 2400 8	MCCAULEY C2A34C204/90DCB-0	90 2400	2	V	140	73.0	-3.0	70.0	CE, G-2, S-1	
CESSNA 182Q SKYLANE	2.95 2.95	1 TCM O-470-U	230 2400 8	MCCAULEY D2A34C203/90DCA-8	82 2400	2	V	138	72.0	-2.9	69.1	CE, G-2, S-1	

APPENDIX 7
AIRCRAFT NOISE DATA FOR U.S. CERTIFICATED PROPELLER DRIVEN
AIRCRAFT NOT EXCEEDING 12500 LBS

AIRCRAFT MAKE, MODEL POPULAR NAME	NTOW LV (LBS/ 1000)	ENGINE			PROPELLER			NOISE LEVELS DB(A)				
		NUMBER	MAKE	MODEL	MAKE	MODEL	DIAM: I (IN): A	T: RPM : D C : E R	TEST : NOISE: PERF: CORR : SPEED: MEAS: CORR: LVL	NOTES: REFERENCES		
CESSNA 182R SKYLAKE	3.10:	1	TCH		MCCAULEY		82:2 V:	139:	72.0:-2.9	49.1		G-3
							2400:					
CESSNA 207A SKYWAGON	3.80:	1	TCH		MCCAULEY		80:3 V:	139:	79.0: 0.6	79.8		CE,S-1
							2700:					
CESSNA 207A STATIONAIR	3.80:	1	TCH		MCCAULEY		80:3 V:	136:	77.8:-0.1	77.7		A-1,S-1
							2700:					
CESSNA 210R CENTURION	3.80:	1	TCH		MCCAULEY		80:3 V:	163:	79.4: 0.3	79.9		G-3
							2700:					
CESSNA 210K CENTURION	3.80:	1	TCH		MCCAULEY		80:3 V:	163:	79.6:	79.6		CE,G-2
							2700:					
CESSNA 210R CENTURION	3.85:	1	TMC		MCCAULEY		80:3 V:	163:	79.6:-0.6	79.0		CE
							2700:					
CESSNA 310R MODEL 310R	5.50:	2	TCH		MCCAULEY		77:3 V:	184:	82.0:-2.9	79.1		G-1,S-1
							2700:					
CESSNA 335 MODEL 335	5.99:	2	TCH		MCCAULEY		77:3 V:	163:	79.6:-1.5	78.1		G-1,S-1
							2700:					
CESSNA 337H SKYMASTER	4.43:	2	TCH		MCCAULEY		76:2 V:	149:	78.6: 1.3	79.9		CE,S-1
							2600:					
CESSNA 337H SKYMASTER	4.43:	2	TCH		MCCAULEY		76:2 V:	149:	78.6: 1.3	79.9		CE,S-1
							2600:					
CESSNA 340A MODEL 340A	5.99:	2	TCH		MCCAULEY		77:3 V:	193:	83.4:-3.7	79.7		S-1
							2700:					

APPENDIX 7
AIRCRAFT NOISE DATA FOR U.S. CERTIFICATED PROPELLER DRIVEN
AIRCRAFT NOT EXCEEDING 12500 LBS

AIRCRAFT MAKE, MODEL POPULAR NAME	MTOW LW (LBS/ 1000)	ENGINE		PROPELLER			NOISE LEVELS DB(A)					
		NUMBER MAKE MODEL	RPM EXH	MAKE MODEL	DIA: RPM	TYPE C	TEST SPEED	NOISE MEAS	PERF CORR	CORR LVL	NOTES	REFERENCES
CESSNA 340A MODEL 340A	5.99 5.99	2 TCM TS10-520-N	310 2700 4	MCCAULEY 3AF32C93/82NC-5.5	7613 2700	V	200	82.7	-3.3	79.4		G-1,S-1
CESSNA 402B BUSINESS LINER	6.85 6.85	2 TCM TS10-520-E	300 2700 3	MCCAULEY 3AF32C87M/82NC-5.5	7613 2700	V	181	81.6	-2.8	78.8		S-1
CESSNA 402C BUSINESS LINER	6.85 6.85	2 TCM TS10-520-UB	325 2700 4	MCCAULEY 3AF32C92N/82NC-6.5	7613 2700	V	182	80.8	-2.2	78.6		S-1
CESSNA 402C BUSINESS LINER	6.85 6.85	2 TCM TS10-520-VB	310 2600 4	MCCAULEY 3AF32C93/82NC-5.5	7713 2600	V	190	77.2	-2.1	75.1		CE,S-1
CESSNA 404 TITAN	8.40 8.09	2 TCM GTS10-520-M	375 3350 4	MCCAULEY 3FF32C501/90UMB-0	9013 3350	V	185	81.6	-2.7	78.9		G-1,S-1
CESSNA 404 TITAN	8.40 8.10	2 PRATT+WHITNEY PT6A-34	350 4	HARTZELL HCB3TN-3B/T10173-8R	9313 2000	V		82.1	-4.0	76.1		SW
CESSNA 414A CHANCELLOR	6.75 6.75	2 TCM TS10-520-N	298 2600 4	MCCAULEY 3AF32C93/82NC-5.5	7713 2600	V	181	79.1	-2.5	76.6		G-1,S-1
CESSNA 421C GOLDEN EAGLE	7.45 7.21	2 TCM GTS10-520-L	375 3350 4	MCCAULEY 3FF32C501/90UMB-0	9013 3350	V	196	80.3	-3.6	76.7		G-1,S-1
CESSNA 425 CONQUEST I	8.20 8.00	2 PRATT+WHITNEY PT6A-112	450 1900 4	MCCAULEY 36FR34C701/93KB-0	9313 1900	V	210	75.7	-4.3	71.4		CE
CESSNA 425 CONQUEST I	8.20 8.00	2 PRATT+WHITNEY PT6A-112	450 1900 4	HARTZELL HC-B3TN-3C/T10178B-8R	9313 1900	V	210	75.7	-4.3	71.4		G-1,S-1
CESSNA 425 CONQUEST I	8.60 8.00	2 PRATT+WHITNEY PT6A-112	450 1900 4	HARTZELL HC-B3TN-3C/T10178B-8R	9313 1900	V	210	75.7	-3.4	72.3		CE

APPENDIX 7
AIRCRAFT NOISE DATA FOR U.S. CERTIFICATED PROPELLER DRIVEN
AIRCRAFT NOT EXCEEDING 12500 LBS

AIRCRAFT MAKE, MODEL POPULAR NAME	MTOW LV (LBS/ 1000)	ENGINE		PROPELLER		NOISE LEVELS DB(A)		NOTES/REFERENCES		
		NUMBER MAKE MODEL	SHP RPM EXH	MAKE MODEL	DIAMETER (IN)	TEST SPEED RPM	PERF MEAS CORR			
CESSNA 441 CONQUEST II	9.85	2	636	MCCAULEY	90.3	210	76.0	-4.0	74.0	CE
	9.36	AIRESEARCH TPE-331-B-401S	1990	36FR34C601/733A	1990					
CESSNA 441 CONQUEST II	9.85	2	636	HARTZELL	90.3	210	78.0	-4.0	74.0	C-2,S-1
	9.36	AIRESEARCH TPE-331-B-401S	1990	HC-83TN-5E/T10178-11	1990					
CESSNA A185F (ARPHIB) SKYWAGON	3.27	1	285	MCCAULEY	80.3	126	78.9	-1.2	77.7	CE
	3.12	TCH 110-520-D	2700	D3A34C403/80VA-0	12700					
CESSNA A185F (FLOAT) SKYWAGON	3.32	1	285	MCCAULEY	80.3	126	78.9	-1.0	77.9	CE,C-2
	3.32	TCH 110-520-D-24	2700	D3A32C90/82NC-2	12700					
CESSNA A185F (LAND) SKYWAGON	3.35	1	285	MCCAULEY	80.3	142	78.9	-1.0	77.9	CE,C-2,S-1
	3.35	TCH 110-520-D	2700	D3A34C403/80VA-0	12700					
CESSNA A180B AC TRUCK	3.30	1	240	MCCAULEY	80.3	117	77.3	-1.5	75.8	CE
	3.30	TCH 110-520-D	2700	D3A32C408/82NDA-2	12700					
CESSNA P210N CENTURION(PRESS)	4.00	1	285	MCCAULEY	80.3	174	77.1	0.9	78.0	CE,C-2
	3.80	TCH 110-520-P	2400	D3A34C402/90DFA-10	12600					
CESSNA P210N ADVANCED SPIRIT 750	4.00	1	450	HARTZELL	77.3	233	48.7	-2.0	46.8	MM
		PRATT&WHITNEY PT6A-135	2	HC-83TN-3C/T10202K-25-50	11900					
CESSNA P210R PRESS CENTURION	4.10	1	325	MCCAULEY	80.3	174	80.2	-0.8	79.4	CE
	4.10	TCH 110-520-CE	2700	D3A36C410/80VH8-0	12700					
CESSNA P337H PRESS SKYMASTER	4.70	2	288	MCCAULEY	76.2	178	80.8	-1.1	79.7	CE,S-1
	4.45	TCH 110-520-C	2400	D2AF34C303/L78CBA-2 (R)	12600					
CESSNA P337H PRESS SKYMASTER	4.70	2	288	MCCAULEY	78.2	178	80.8	-1.1	79.7	CE,C-2
	4.45	TCH 110-520-C	2400	D2AF34C308/90DEA-12 (F)	12600					

APPENDIX 7
AIRCRAFT NOISE DATA FOR U.S. CERTIFICATED PROPELLER DRIVEN
AIRCRAFT NOT EXCEEDING 12500 LBS

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Appendix 7

AIRCRAFT MAKE, MODEL POPULAR NAME	MTOW LV (LBS/ 1000)	ENGINE		PROPELLER			NOISE LEVELS DB(A)				NOTES	REFERENCES
		NUMBER MAKE MODEL	SHP RPM EXH	MAKE MODEL	DIAM (IN) RPM	B P L I A C E	TEST SPEED	NOISE MEAS	PERF CORR	CORR LVL		
CESSNA R172K (LAND) HAWK XP	2.55	1	195	MCCAULEY	76.2	V	127	74.7	-0.6	74.1		CE, G-2, S-1
	2.55	TCM IO-360-K	2600 8	2A34C203/90DCA-14	2600							
CESSNA R172K (SEA) HAWK XP	2.55	1	195	MCCAULEY	80.2	V	113	76.4	-1.4	75.0		CE, S-1
	2.55	TCM IO-360-K	2600 8	2A34C203/90DCA-10	2600							
CESSNA R182 SKYLANE RC	3.10	1	235	MCCAULEY	82.2	V	146	72.7	-2.0	70.7		CE, S-1
	3.10	LYCOMING O-540-J3CSD	2400 8	B2D34C214/90DHB-8	2400							
CESSNA R182 SKYLANE RC	3.10	1	235	MCCAULEY	79.3	V	152	70.3	-2.0	68.3		G-1, S-1
	3.10	LYCOMING O-540-J3CSD	2400 8	B3D32C407/82NDA-3	2400							
CESSNA T182 TURBO SKYLANE	3.10	1	235	MCCAULEY	82.2	V	140	73.2	-0.7	72.5		G-1, S-1
	3.10	LYCOMING O-540-L3CSD	2400 4	B2D34C219/90DHB-8	2400							
CESSNA T182 TURBO SKYLANE	3.10	1	235	MCCAULEY	79.3	V	141	69.5	-0.7	68.8		G-1, S-1
	3.10	LYCOMING O-540-L3CSD	2400 4	B3D32C407/82NDA-3	2400							
CESSNA T207A TURBOSTATIONAIR	3.80	1	285	MCCAULEY	80.3	V	140	77.9	-1.6	76.3		CE, G-2, S-1
	3.80	TCM TS10-520-G-1A	2600 4	3A32C401/90DFA-10	2600							
CESSNA T210M TURBO CENTURION	3.80	1	285	MCCAULEY	80.3	V	172	77.4	-1.6	75.8		G-3
	3.80	TCM TS10-520-H-4A	2600 4	D3A34C-102/90DFA-10	2600							
CESSNA T210N TURBO CENTURION	4.00	1	285	MCCAULEY	80.3	V	172	77.4		77.4		CE, G-2
	3.80	TCM TS10-520-R	2600 4	D3A34C402/90DFA-10	2600							
CESSNA T210R TURBO CENTURION	4.10	1	325	MCCAULEY	80.3	V	174	80.2	-0.8	79.4		CE
	4.10	TCM TS10-520-CE	2700 4	D3A36C410/80VM8-0	2700							
CESSNA T303 CRUSADER	5.15	2	250	MCCAULEY	74.3	V	176	76.5	-2.2	74.3		CE
	5.00	TCM TS10-520-AE	2400 4	3AF32C506/82NEB-8	2400							

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APPENDIX 7
AIRCRAFT NOISE DATA FOR U.S. CERTIFICATED PROPELLER DRIVEN
AIRCRAFT NOT EXCEEDING 12500 LBS

11/4/85

AIRCRAFT MAKE, MODEL POPULAR NAME	MTOW LW (LBS/ 1000)	ENGINE		PROPELLER			NOISE LEVELS DB(A)				
		NUMBER MAKE MODEL	SHP RPM EXH	MAKE MODEL	DIAM (IN) RPM D	P I C H	TEST SPEED	NOISE MEAS	PERF CORR	NOTES	REFERENCES
CESSNA T310R TURBO 310R	5.50 5.41	2 TCM TSIO-520-BB	285 2700 4	MCCAULEY 3AF32C87/82NC-4	78 2700	V	185	80.9	-3.2	77.7	IC-1, S-1
CESSNA T337H TURBO SKYMASTER	4.63 4.40	2 TCM TSIO-360-H	195 2600 4	MCCAULEY D2AF34C305/L78CBA-2 (R)	76 2600	V	165	79.4	-1.0	78.4	IC, G-2, S-1
CESSNA T337H TURBO SKYMASTER	4.63 4.42	2 TCM TSIO-360-H	195 2600 4	MCCAULEY D2AF34C308/90DEA-12 (F)	78 2600	V	165	79.4	-1.0	78.4	IC, S-1
CESSNA TR182 TURBOSKYLANE RG	3.10 3.10	1 LYCOMING O-540-L3C5D	235 2400 4	MCCAULEY B2D34C217/90DHB-8	82 2400	V	143	73.8	-1.2	72.6	IC, G-2, S-1
CESSNA TR182 TURBOSKYLANE RG	3.10 3.10	1 LYCOMING O-540-L3C5D	235 2400 4	MCCAULEY B3D32C407/82NDA-3	80 2400	V	155	70.6	-1.2	69.4	IC-1, S-1
CESSNA TU206C TURBOSTATIONAIR	3.60 3.60	1 TCM TSIO-520-M	285 2600 4	MCCAULEY D3A34C402/90DFA-10	80 2600	V	145	78.5	-3.1	75.4	IC, S-1
CESSNA TU206G (AMPHIB) TURBOSTATIONAIR	3.60 3.60	1 TCM TSIO-520-M	285 2600 4	MCCAULEY D3A34C402/90DFA-10	80 2600	V	125	78.0	1.2	79.2	IC, S-1
CESSNA U206C STATIONAIR	3.60 3.60	1 TCM IO-520-F	285 2700 8	MCCAULEY D3A34C404/80VA-0	80 2700	V	137	77.9	-0.4	77.5	IC, S-1
CESSNA U206C (LAND) STATIONAIR	3.60 3.60	1 TCM IO-520-F-9	285 2700 8	MCCAULEY D3A34C404/80VA-0	80 2700	V	144	79.8	-0.4	79.4	IC
CESSNA U206C (SEAPLANE) STATIONAIR	3.50 3.50	1 TCM IO-520-F	285 2700 8	MCCAULEY D3A34C404/80VA-0	80 2700	V	133	80.2	-0.8	79.4	IC-1
CURTISS-WRIGHT TRAVEL AIR 4000	2.45 2.45	1 LYCOMING R-680E3B	225 2050 2	HAMILTON STD 2B20/6135A	102 2050	F	130	75.2	-1.6	73.6	ICL

AC 36-1D
Appendix 7

APPENDIX 7
AIRCRAFT NOISE DATA FOR U.S. CERTIFICATED PROPELLER DRIVEN
AIRCRAFT NOT EXCEEDING 12500 LBS

AC 36-1D
Appendix 7

AIRCRAFT MAKE, MODEL POPULAR NAME	MTOW LW (LBS/ 1000)	ENGINE		PROPELLER				NOISE LEVELS DB(A)			
		NUMBER MAKE MODEL	SHP RPM EXH	MAKE MODEL	DIAM (IN) RPM E	P I T C H	TEST SPEED	NOISE MEAS.	PERF CORR	NOTES	REFERENCES
DORNIER DO228-100	12.5	2	715	HARTZELL	106					71.5	INM
	12.5	GARRETT TPE331-5-252D		HC-B4TN-SML/LT							
EMBRAER EMB-110 BANDEIRANTE	12.5	2	750	HARTZELL	93	V	217	78.7	1.4	77.3	ISO
	12.0	PRATT-WHITNEY PT6A-34		HC-BT3N-3C/T10178H-8R	2002						
FAIRCHILD SA227-AC	14.5	2	1000	DOWTY-ROTOR	106	F		76.7	-1.9	74.8	INM
		GARRETT TPE331-11		R321/4-82-F/8	1591						
FAIRCHILD SA227-AC	16.0	2	1000	DOWTY-ROTOR	106	F		76.7	1.0	77.7	INM
		GARRETT TPE331-11		R321/4-82-F/8	1591						
FUJI HEAVY IND. 700	6.75	2	340	HARTZELL	79	V	190	80.8	-3.2	77.6	INM
	6.60	LYCOMING T10-540-R2AD		HC-E3YR-2ATF/FC8468-5R	2500						
FUJI HEAVY IND. 710	8.30	2	450	HARTZELL	93		201	82.7	-3.3	79.3	INM
	8.30	LYCOMING T10-541-D1B		HC-C3YN-2LDUF/FJC-9684-3R	2133						
GULFSTREAM AMERICAN 112B COMMANDER	2.80	1	200	HARTZELL	77	V	133	75.1	-0.5	74.6	ISW
	2.80	AVCO LYCOMING T10-360-C1D6		HC-E2YR-1BF/F8467-7R	2700						
GULFSTREAM AMERICAN 112TC COMMANDER	2.85	1	210	HARTZELL	77	V	145	76.1	-1.3	74.8	ISW
	2.76	AVCO LYCOMING T10-360-C1A6		HC-E2YR-1BF/F8467-7R	2575						
GULFSTREAM AMERICAN 112TCA COMMANDER	2.95	1	210	HARTZELL	77	V	145	76.1	-1.3	74.8	ISW
	2.95	AVCO LYCOMING T10-360-C1A6		HC-E2YR-1BF/F8467-7R	2575						
GULFSTREAM AMERICAN 114 COMMANDER	3.14	1	240	HARTZELL	77	V	150	79.7	-1.2	78.5	ISW
	3.14	AVCO LYCOMING T10-540-T4ASD		HC-C2YR-1BF/F8467-7R	2700						
GULFSTREAM AMERICAN 114A COMMANDER	3.25	1	240	MCCAULEY	77	V	150	79.7	-1.2	78.5	ISW
	3.13	AVCO LYCOMING T10-540-T4B5D		B3D34C405/90DFA-13	2700						

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APPENDIX 7
AIRCRAFT NOISE DATA FOR U.S. CERTIFICATED PROPELLER DRIVEN
AIRCRAFT NOT EXCEEDING 12500 LBS

11/4/85

AIRCRAFT MAKE, MODEL POPULAR NAME	MTOW LW (LBS/ 1000)	ENGINE		PROPELLER			NOISE LEVELS DB(A)					
		NUMBER MAKE MODEL	SHP RPM EXH	MAKE MODEL	DIAM: (IN) RPM	L A D	T C H	TEST SPEED	NOISE MEAS.	PERP CORR	CORR LVL	NOTES
GULFSTREAM AMERICAN 690 TURBOCOMMANDER	10.3 9.59	2 AIRESEARCH TPE331-5-251K	700 1591 4	HARTZELL HC-B3TN-5FLLT10282H+4	106 1591	3 V	243	76.4	-5.2	71.2		G-3
GULFSTREAM AMERICAN 690A TURBOCOMMANDER	10.3 9.59	2 AIRESEARCH TPE331-5-251K	700 1591 4	HARTZELL HC-B3TN-5FLLT1028H+4	106 1591	3 V	243	76.4	-5.2	71.2		G-3
GULFSTREAM AMERICAN 690B TURBOCOMMANDER	10.3 9.68	2 AIRESEARCH TPE331-5-251K	700 1591 4	HARTZELL HC-B3TN-5FLLT10282H+4	106 1591	3 V	243	76.4	-5.2	71.2		G-3
GULFSTREAM AMERICAN 690C 840	10.3 9.68	2 AIRESEARCH TPE331-5-254K	700 1591 4	DOWTY ROTOL (C)R306/3-82-F/7(C)VP2926	106 1591	3 V	243	76.4	-5.2	71.2		G-3
GULFSTREAM AMERICAN 690D (900)	10.7 10.6	2 AIRESEARCH TPE331-5-254K	737 2730 4	DOWTY ROTOL (C)R306/3-82-F/7(C)VP2926	106 1591	3 V	245	76.4	-5.9	71.5		SW
GULFSTREAM AMERICAN 695 (980)	10.3 9.68	2 AIRESEARCH TPE331-10-501K	700 1591 4	DOWTY ROTOL (C)R306/3-82-F/7(C)VP2926	106 1591	3 V	243	76.4	-5.1	71.3		G-3
GULFSTREAM AMERICAN 695A (1000)	11.2 10.6	2 AIRESEARCH TPE-331-10-501K	700 1591 4	DOWTY ROTOL (C)R306/3-82-F/7(C)VP2926	106 1591	3 V	252	71.8		71.8		G-3
GULFSTREAM AMERICAN 700 COMMANDER	6.95 6.59	2 AVCO LYCOMING T10-540-R2AD	340 2500 4	HARTZELL HC-E3VR-2AFT/FC64685R	79 2500	3 V	175	77.8	-2.4	75.4		SW
GULFSTREAM AMERICAN AA-1B T-CAT	1.54 1.54	1 LYCOMING 0-235-C2C	108 2400 7	MCCAULEY SCH1A105/7154	71 2600	2 F	109	66.7	1.1	67.8		SO
GULFSTREAM AMERICAN AA-1B T-CAT	1.54 1.54	1 LYCOMING 0-235-C2C	108 2600 7	MCCAULEY SCH1A105/7157	71 2600	2 F	109	66.3	0.6	66.8		SO
GULFSTREAM AMERICAN AA-1C T-CAT	1.57 1.57	1 LYCOMING 0-235-L2C	115 2700 7	SENSENICH 72CK-0-54	71 2700	2 F	111	68.3	0.5	68.8		SO

APPENDIX 7
AIRCRAFT NOISE DATA FOR U.S. CERTIFICATED PROPELLER DRIVEN
AIRCRAFT NOT EXCEEDING 12500 LBS

AIRCRAFT MAKE, MODEL POPULAR NAME	MTOW LW (LBS/ 1000)	ENGINE		PROPELLER			NOISE LEVELS DB(A)					
		NUMBER MAKE MODEL	SHP RPM EXH	MAKE MODEL	DIAM (IN) RPM E H	P I T I H	TEST SPEED	NOISE MEAS.	PERF CORR	CORR LVL.	NOTES	REFERENCES
GULFSTREAM AMERICAN GA-7 COUGAR	3.78 3.78	2 LYCOMING O-320-D1D	160 2700	HARTZELL F2YL-2VFFC7663D-3	73 2700	V	160	74.2	-2.2	72.0		SO
MAULE M-5-180C/-180TC	2.30 2.30	1 LYCOMING O-360-C1F	175 2700	HARTZELL HC-C2YR-1BF/F7666A	76 2700	V		72.3		72.3		SO
MAULE M-5-200	2.30 2.30	1 LYCOMING IO-360-J1A6D	190 2600	HARTZELL HC-E2YR-1BF/F8468A-6R	77 2600	V	135	73.3		73.3		SO
MAULE M-5-210TC LUNAR ROCKET	2.30 2.30	1 LYCOMING IO-360-C1A-6D	210 2575	HARTZELL HC-E2YR-1BF/F8467-7R	74 2575	V		74.6	-1.0	73.6		SO
MAULE M-5-235	2.75 2.75	1 LYCOMING O-540-J1A5D	235 2400	HARTZELL HC-C2YR-1BF/F8468A-3R	81 2400	V	140	74.7	0.9	75.6		SO
MAULE M-5-235C LUNAR ROCKET	2.30 2.30	1 LYCOMING O-540-J1A5D/-W1A5D	235 2400	HARTZELL HC-C2YR-1BF/F8468A-6R	78 2400	V		72.6	-5.0	67.6		SO, A-1
MAULE M-6-180	2.30 2.30	1 LYCOMING O-360-C1F	175 2600	HARTZELL HC-C2YR-1BF/F7666A	76 2600	V	90	70.9	0.9	71.7		SO
MAULE M-6-235	2.30 2.30	1 LYCOMING O-540-J1A5D/-W1A5D	235 2400	HARTZELL HC-E2YR-1BF/F8468A-6R	78 2400	V		72.6	-5.0	67.6		SO
MAULE M-7-235		1 LYCOMING O-540-J1A5D	2400	HARTZELL HC-C2YR-1BF/F8468A-3R	81 2400		117	74.7	-2.5	72.2		CE
MAULE M-7-235		1 LYCOMING O-540-J1A5D	235 2400	HARTZELL HC-C2YR-1BF/F8468A-6R	78 2400		137	72.6	-0.3	72.3		CE
MITSUBISHI MU-2B-40	10.5 9.96	2 AIRESEARCH TPE331-10-501	665 4173	HARTZELL HC-B4TN-SDL/LT10282HB-5.3R	98 1591	V	250	77.4	-2.9	74.8		SW

APPENDIX 7
AIRCRAFT NOISE DATA FOR U.S. CERTIFICATED PROPELLER DRIVEN
AIRCRAFT NOT EXCEEDING 12500 LBS

11/4/85

AIRCRAFT MAKE, MODEL POPULAR NAME	MTOW LW (LBS/ 1000)	ENGINE NUMBER MAKE MODEL	SHP RPM EXH	PROPELLER MAKE MODEL	DIA (IN) RPM IE	P T C H	NOISE LEVELS DB(A)				NOTES	REFERENCES
							TEST SPEED	NOISE MEAS.	PERF CORR	CORR LVL		
MITSUBISHI MU-2B-60	11.6 11.6	2 AIRESEARCH TPE331-10-501H	715 4273 4	HARTZELL HC-B4TN-5DL/LT10282HB-5.3R	98 1591	V	250	77.7	-1.4	74.5		SW
MOONEY M20J 201	2.74 2.74	1 LYCOMING IO-360-A3B6D	192 2700	HCCAULEY B2D34C212/78CDA-4	74 2700	V	178	75.3	-1.3	74.0		SW
MOONEY AIRCRAFT M20K MOONEY 231	2.90 2.19	1 TELEGYNE TS10-360-C81	210 2700 4	HCCAULEY 2A34C216/90DHB-16E	74 2700	V	198	74.6	-1.1	75.4		SW
PIPER PA-18-150 SUPER CUB	1.75 1.75	1 LYCOMING O-320-A2B	150 2700 7	SENSENICH M74DM4-0-56	74 2700	F	120	69.0	-3.1	65.9		EA, P-1
PIPER PA-23-250 AZTEC F	5.20 4.94	2 LYCOMING IO-540-C4B5	250 2575 4	HARTZELL HC-E2YR-28465-7R	77 2575	V	178	76.8	-1.1	75.7		EA, P-1
PIPER PA-23T-250 AZTEC F	5.20 4.94	2 LYCOMING TIO-540-C1A	250 2575 4	HARTZELL HC-E2YR-28465-7R	77 2575	V	178	77.0	-0.8	76.2		EA, P-1
PIPER PA-28-141 WARRIOR II	2.33 2.33	1 LYCOMING O-320-D3C	160 2700 5	SENSENICH 74DM4-0-60	74 2700	F	115	71.4	0.4	72.0		SO, P-1
PIPER PA-28-181 ARCHER II	2.55 2.55	1 LYCOMING O-360-A4M	180 2700 5	SENSENICH 76EM855-062	76 2700	F	129	73.4	0.5	73.9		SO, P-1
PIPER PA-28-236 DAKOTA	3.00 3.00	1 LYCOMING O-360-J3A5D	235 2400 5	HARTZELL HC-F2YR-1F/F8468A-4R	80 2400	V	148	72.5	0.4	72.9		SO, P-1
PIPER PA-28R-200 ARROW II	2.65 2.65	1 LYCOMING IO-360-C1C	200 2700	SENSENICH	74 2700	V	184	75.5		75.5		SO
PIPER PA-28R-201T TURBO ARROW II	2.90 2.90	1 LYCOMING TS10-360-FB	200 2575 2	HARTZELL PHC-C3YF-1F/7463-2R	74 2575	V	144	69.1	0.5	69.6		SO

APPENDIX 7
 AIRCRAFT NOISE DATA FOR U.S. CERTIFICATED PROPELLER DRIVEN
 AIRCRAFT NOT EXCEEDING 12500 LBS

AIRCRAFT MAKE, MODEL POPULAR NAME	MTOW LW (LBS/ 1000)	ENGINE		PROPELLER				NOISE LEVELS DB(A)				
		NUMBER MAKE MODEL	SHP RPM EXH	MAKE MODEL	DIA: (IN) RPM	P: T: D C H:	TEST SPEED:	NOISE MEAS.	PERF CORR:	NOTES LVL.	REFERENCES	
PIPER PA-28RT-201 ARROW IV	2.75 2.75	1 LYCOMING IO-360-C1C6	200 2700 5	MCCAULEY B2D34213/90DHA-14	74.2 2700	V	138	74.4	1.1	75.5	SO, P-1	
PIPER PA-28RT-201T TURBO ARROW IV	2.90 2.90	1 CONTINENTAL TS10-360-F	200 2575 2	HARTZELL BHC-C2YF-1F/F8459A-8R	74.2 2575	V	146	69.1	0.3	69.4	SO, P-1	
PIPER PA-28RT-201T TURBO ARROW IV	2.90 2.90	1 CONTINENTAL TS10-360F	200 2575 4	HARTZELL PHC-C3YF-1F/F7643-2R	76.3 2575	V	146	72.5	0.3	72.8	SO, P-1	
PIPER PA-31 NAVAJO	6.50 6.50	2 LYCOMING TIO-540-2AC	275 2400 4	HARTZELL HC-E3YR-2ATF FC8448-6R	80.3 2400	V	186	77.0	-1.6	75.4	P-1	
PIPER PA-31-325 NAVAJO C/R	6.50 6.50	2 LYCOMING TIO-540-F28D	275 2400 4	HARTZELL HC-E3YR-2ATF FC8448-6R	80.3 2400	V		78.0	-1.1	76.9	P-1	
PIPER PA-31-350 CHIEFTAIN	7.01 7.01	2 LYCOMING TIO-540-J28D	315 2400 4	HARTZELL HC-E3YR-2ATF FC8448-6R	80.3 2400	V	175	78.0	0.9	78.9	P-1	
PIPER PA-31P COMANCHERO	7.80 7.80	2 PRATT-WHITNEY PT6A-135	420 3810 4	HARTZELL HC-B3TN-3C/T10178-8R	93.3 1900	V	215	76.5	6.7	71.5	SW	
PIPER PA-31T CHEYENNE II	9.00 9.00	2 PRATT-WHITNEY PT6A-28	620 3810 4	HARTZELL HC-B3TN-3B/T-10173B-8	93.3 2000	V	231	79.2	-5.0	74.2	EA	
PIPER PA-31T-42 CHEYENNE II	8.97 8.97	2 PRATT-WHITNEY PT6A-28	420 3810 4	HARTZELL HC-BTN-3B	93.3 2000	V	231	78.2	-4.0	74.2	SO	
PIPER PA-31T1 CHEYENNE II	8.70 8.70	2 P+W CANADA PT6A-11	455 3810 4	HARTZELL HC-B3TN-3B/T-10173B-8	93.3 2000	V	206	76.6	-1.6	75.0	EA, P-1	
PIPER PA-31T2 CHEYENNE II XL	9.47 9.47	2 PRATT-WHITNEY PT6A-135	620 3810 4	HARTZELL HC-B3TN-3B/T-10173B-8	93.3 1900	V	231	79.2	-2.1	77.1	P-1	

APPENDIX 7
AIRCRAFT NOISE DATA FOR U.S. CERTIFICATED PROPELLER DRIVEN
AIRCRAFT NOT EXCEEDING 12500 LBS

11/4/85

AIRCRAFT MAKE, MODEL POPULAR NAME	MTOW LW (LBS/ 1000)	ENGINE		PROPELLER			NOISE LEVELS DB(A)					
		NUMBER MAKE MODEL	SHP RPM EXH	MAKE MODEL	DIAM: L (IN): A RPM: D E H:	B P:	TEST SPEED	NOISE MEAS	PERF CORR	CORR LVL	NOTES	REFERENCES
PIPER PA-31T3 T-1040	9.00	2 PRATT-WHITNEY PT6A-11	455 3810 1	HARTZELL HC-B3TN-3B/T-10173K-8R	93:3 2200	V	214	76.6	-1.0	75.6		NE
PIPER PA-32-300 CHEROKEE SIX	3.40 3.40	1 LYCOMING IO-540-K1AS	300 2700	HARTZELL HC-C2YR-1()F/F8475D-4	80:2 2700	V	91	80.5	-1.2	79.3		SO, A-1
PIPER PA-32-301 SARATOGA	3.59 3.59	1 LYCOMING IO-540-K1CS	300 2700	HARTZELL HC-C3YR-1()F/F7663R-0	78:3 2700	V	152	78.1	-0.6	77.5		P-1
PIPER PA-32-301 SARATOGA	3.59 3.59	1 LYCOMING IO-540-K1CS	294 2600	HARTZELL HC-C2YR-1()F/F8475D-4	80:2 2600	V	152	77.3	-0.6	76.7		P-1
PIPER PA-32-301T TURBO SARATOGA	3.59 3.59	1 LYCOMING TIO-540-SIAD	300 2700	HARTZELL HC-E3YR-1()F/F7673DR	78:3 2700	V	158	76.1	-1.3	74.8		P-1
PIPER PA-32-301T TURBO SARATOGA	3.59 3.59	1 LYCOMING TIO-540-SIAD	294 2575	HARTZELL HC-E2YR-1()F/F8477-4	80:2 2575	V	158	75.7	-1.3	74.4		P-1
PIPER PA-32R-301 SARATOGA SP	3.59 3.59	1 LYCOMING IO-540-K1CS	294 2600	HARTZELL HC-C2YR-1()F/F8475D-4	80:2 2600	V	152	77.3	0.3	77.6		P-1
PIPER PA-32R-301 SARATOGA SP	3.59 3.59	1 LYCOMING IO-540-K1CS	300 2700	HARTZELL HC-C3YR-1()F/F7663R-0	78:3 2700	V	152	78.1	0.3	78.4		P-1
PIPER PA-32R-301T TURBO SARATOGA	3.59 3.59	1 LYCOMING TIO-540-SIAD	294 2575	HARTZELL HC-E2YR-1()F/F8477-4	80:2 2575	V	158	75.7	0.4	76.1		P-1
PIPER PA-32RT-300 TURBO LANCE II	3.60 3.60	1 LYCOMING IO-540-SIAD	300 2700	HARTZELL HC-E2YR-1BF/F8477-4	80:2 2400	V		75.4		75.4		SO
PIPER PA-34-200T SENECA II	4.57 4.33	2 LYCOMING TS10-360-E	200 2575	HARTZELL FC8459-8R/FJC8459-8R	76:2 2575	V	170	75.7	-2.2	73.5		SO

APPENDIX 7
AIRCRAFT NOISE DATA FOR U.S. CERTIFICATED PROPELLER DRIVEN
AIRCRAFT NOT EXCEEDING 12500 LBS

AIRCRAFT MAKE, MODEL POPULAR NAME	MTOW LW (LBS/ 1000)	ENGINE		PROPELLER				NOISE LEVELS DB(A)				
		NUMBER MAKE MODEL	SHP RPM EXH	MAKE MODEL	DIA: (IN)	L A T I T E H	P I T E S T S P E E D	NOISE MEAS.	PERF CORR	CORR LVL.	NOTES	REFERENCES
PIPER PA-34-200T SENECA II	4.57	2	200	MCCAULEY	76	13	V	169	78.6	-2.2	76.4	SO
	4.33	TELEDYNE TS10-360-E/EB	2575 4	80HA-4/L80HA-4	2575							
PIPER PA-34-220T SENECA III	4.74	2	200	MCCAULEY	76	13	V	169	77.0	-2.8	74.2	SO, P-1
	4.52	CONTINENTAL TS10-360-KB	2600 4	3AF32C50B/82NFA-6	2600							
PIPER PA-34-220T SENECA III	4.74	2	200	HARTZELL	76	12	V	176	74.2	-2.8	71.4	SO, P-1
	4.52	CONTINENTAL TS10-360-KB	2600 4	BHC-C2YF-2CKUF/FCC6459-8R	2600							
PIPER PA-38-112 TOMAHAWK	1.48	1	112	SENSENICH	72	12	F	105	67.8		67.8	P-1
	1.68	LYCOMING O-235-L2C	2600 5	72CK-O-56	2600							
PIPER PA-42 CHEYENNE III	11.2	2	720	HARTZELL	95	13	V	230	80.3	-3.3	76.8	P-1
	10.2	PRATT+WHITNEY PT6A-41	2000 4	HC-B3TN-3B/T10173AB-60	2000							
PIPER PA-42-1000 CHEYENNE IV	12.1	2	1000	DOWTY ROTOL	106	14	V		75.1	-5.0	70.1	CE
	11.1	GARRETT TPE 331-14A-801Y	1540 4	R339/4-123-F/8RH R341/4-L	1540							
PIPER PA-44-180 SEMINOLE	3.79	2	180	HARTZELL	73	13	V	168	77.2	-2.5	74.7	P-1
	3.79	LYCOMING O-360-E1D	2700 2	HC-C3YR-2EUF/FC-7663-5R	2700							
PIPER PA-44-180T TURBO SEMINOLE	3.92	2	180	HARTZELL	74	12	V	162	73.8	-2.3	71.5	P-1
	3.79	LYCOMING TO-360-E1A6D	2575 4	HC-C3YR-2CUF FC7666A-2R	2575							
PIPER PA-44-180T TURBO SEMINOLE	3.92	2	180	HARTZELL	73	13	V	162	74.7	-2.3	72.4	P-1
	3.79	LYCOMING TO-360-E1A6D	2575 4	HC-C3YR-2EUF FC-7663-5R	2575							
PIPER PA-46-310P MALIBU	3.90		310	HARTZELL	80	12	V	174	74.5		74.5	SO
		CONTINENTAL TS10-520-BE	2600 4	BHC-C2YF-1BF/F8052								
PIPER PA-40-700P AEROSTAR	6.32	2	350	HARTZELL	76	13	V	217	80.8	-1.9	78.9	SO
		LYCOMING TIO-540-U2A	2500 4	HC-C3YR-2UF/FC7451	2500							

APPENDIX 7
AIRCRAFT NOISE DATA FOR U.S. CERTIFICATED PROPELLER DRIVEN
AIRCRAFT NOT EXCEEDING 12500 LBS

AIRCRAFT MAKE, MODEL POPULAR NAME	MTOW LW (LBS/ 1000)	ENGINE		PROPELLER			NOISE LEVELS DB(A)				
		NUMBER MAKE MODEL	SHR RPM EXH	MAKE MODEL	DIAM (IN) RPM E	PI TI HI	TEST SPEED	NOISE MEAS	PERF CORR	NOTE CORR	REFERENCE
PIPER PA-600A AEROSTAR	5.49	2	284	HARTZELL	78	V		82.4	-2.4	80.0	P-1
	5.49	LYCOMING IO-540-K1J5	2520	HC-C3YR-2UF FC-8486-10Q	2520						
PIPER PA-601P AEROSTAR 601P	5.97	2	290	HARTZELL	78	V		81.5	-1.7	79.8	SO
	5.97	LYCOMING IO-540-S1A5/-P1A5	2575	HC-C3YR-2/C8468-8R							
PIPER PA-602P AEROSTAR PRESS.	6.00	2	290	HARTZELL	78	V	208	81.9	-2.6	79.3	P-1
	6.00	LYCOMING IO-540-AA1A5	2425	HC-3YR-2UF/FC8468-8R	2425						
SWEARINGEN SA226-T(B) MERLIN III B	12.5	2	900	HARTZELL	106	V	275	77.4	-4.6	72.8	SW
	12.5	AIRESEARCH TPE331-10U-501C	4173	HC-B4TN-5EL/LT10282AB+2.5	1591						
SWEARINGEN SA226TC METRO II	12.5	2	632	HARTZELL	102	V	239	83.6	-3.8	79.8	SW
	12.5	AIRESEARCH TPE331-3UW-303C	1920	HCB3 TN-5/T10282HB	1920						
SWEARINGEN SA227-AC METRO III	12.5	2	1000	DOWTY ROTOL	106	V	250	76.7	-4.8	71.9	SW
	12.5	AIRESEARCH TPE331-11U-601C	4173	(C)R321/4-82-F/8	1591						
SWEARINGEN SA227-AC METRO III	14.0	2	1000	DOWTY ROTOL	106	V	250	76.7	-2.2	74.5	SW
	14.0	AIRESEARCH TPE331-11U-601C	4173	(C)R321/4-82-F/8	1591						
SWEARINGEN SA227-AT MERLIN IVC	12.5	2	1000	DOWTY ROTOL	106	V	250	76.7	-4.8	71.9	SW
	12.5	AIRESEARCH TPE331-11U-601E	4173	(C)R321/4-82-F/8	1591						
SWEARINGEN SA227-AT MERLIN IVC	14.0	2	1000	DOWTY ROTOL	106	V	250	76.7	-2.2	74.5	SW
	14.0	AIRESEARCH TPE331-11U-601C	4173	(C)R321/4-82-F/8	1591						
SWEARINGEN SA227-TT MERLIN IIIC	12.5	2	900	DOWTY ROTOL	106	V	275	77.4	-4.6	72.8	SW
	12.5	AIRESEARCH TPE331-10U-503C	4173	(C)R324/4-82-F/9	1591						
SWEARINGEN SA227-TT MERLIN IIIC	13.2	2	900	DOWTY ROTOL	106	V	275	77.4	-4.1	73.3	SW
	13.2	AIRESEARCH TPE331-10U-503C	4173	(C)R324/4-82-F/9	1591						

APPENDIX 7
AIRCRAFT NOISE DATA FOR U.S. CERTIFICATED PROPELLER DRIVEN
AIRCRAFT NOT EXCEEDING 12500 LBS

AIRCRAFT MAKE MODEL POPULAR NAME	ENGINE			PROPELLER			NOISE LEVELS DB(A)			
	MTOW (LBS/ 1000)	NUMBER MAKE MODEL	SRP RPM EXH	MAKE MODEL	DIA (IN)	TEST SPEED C	NOISE MEAS	PERF CORR	NOTES	REFERENCES
TAYLORCRAFT BC-12D	1.20 1.20	1 AVCO LYCOMING 10-360-E2A	118 2500 3	HENDRICKSON	71.2 2500	F 105	72.4	-5.0	67.6	SV
TAYLORCRAFT F-19	1.50 1.50	1 CONTINENTAL 0-200-A	100 2750 5	MCCAULEY 1A105/5CM6950	69.2 2750	F 180	69.1	-0.7	68.4	GL
TAYLORCRAFT F-21	1.50 1.50	1 LYCOMING 0-235-L2C	112 2600 5	SENSENBICH 72CK-0-50	71.2 2600	F 96	69.0	-0.2	68.8	GL
TRIDENT TR-1	3.80 3.80	1 TELEDYNE TIARA 6-285-C4	232 4000 7	HARTZELL HC-H3VF-3LF/FL-C9684-12	84.9 4000	V 122	78.2	-1.0	77.2	SEA

APPENDIX 7 REFERENCES

A-1	:	ADVISORY CIRCULAR 36-1B	12/5/77
B-1	:	BEECH DATA	1/19/81
BA	:	BRITISH AEROSPACE	
CE	:	CENTRAL REGION	
EA	:	EASTERN REGION	
G-1	:	GAMA DATA 2/27/81	(ADDITIONAL DATA)
G-2	:	GAMA DATA 2/27/81	(CORRECTIONS)
G-3	:	GAMA DATA 8/15/81	
GL	:	GREAT LAKES REGION	
NE	:	NEW ENGLAND REGION	
NM	:	NORTHWEST MOUNTAIN REGION	
P-1	:	PIPER DATA 8/31/81	
S-1	:	CESSNA DATA	
SO	:	SOUTHERN REGION	
SW	:	SOUTHWEST REGION	

APPENDIX 7 NOTES

1: MAXIMUM TAKEOFF WEIGHT GREATER THAN 12,500 LBS. - AIRCRAFT CERTIFICATED TO FAR PART 41

EXHAUST CONFIGURATIONS (RECIPROCATING ENGINES)

- 1: STUB PIPES
- 2: SMALL COLLECTOR, SHORT EXHAUST PIPE
- 3: BAFFLES IN COLLECTOR AND/OR CONES IN EXHAUST PIPE
- 4: TURBINE OR TURBOCHARGER
- 5: HEAT MUFF
- 6: COLLECTOR WRAPAROUND MANIFOLD STRAIGHT PIPE
- 7: MANIFOLD MUFFLER
- 8: RESONATOR MUFFLER

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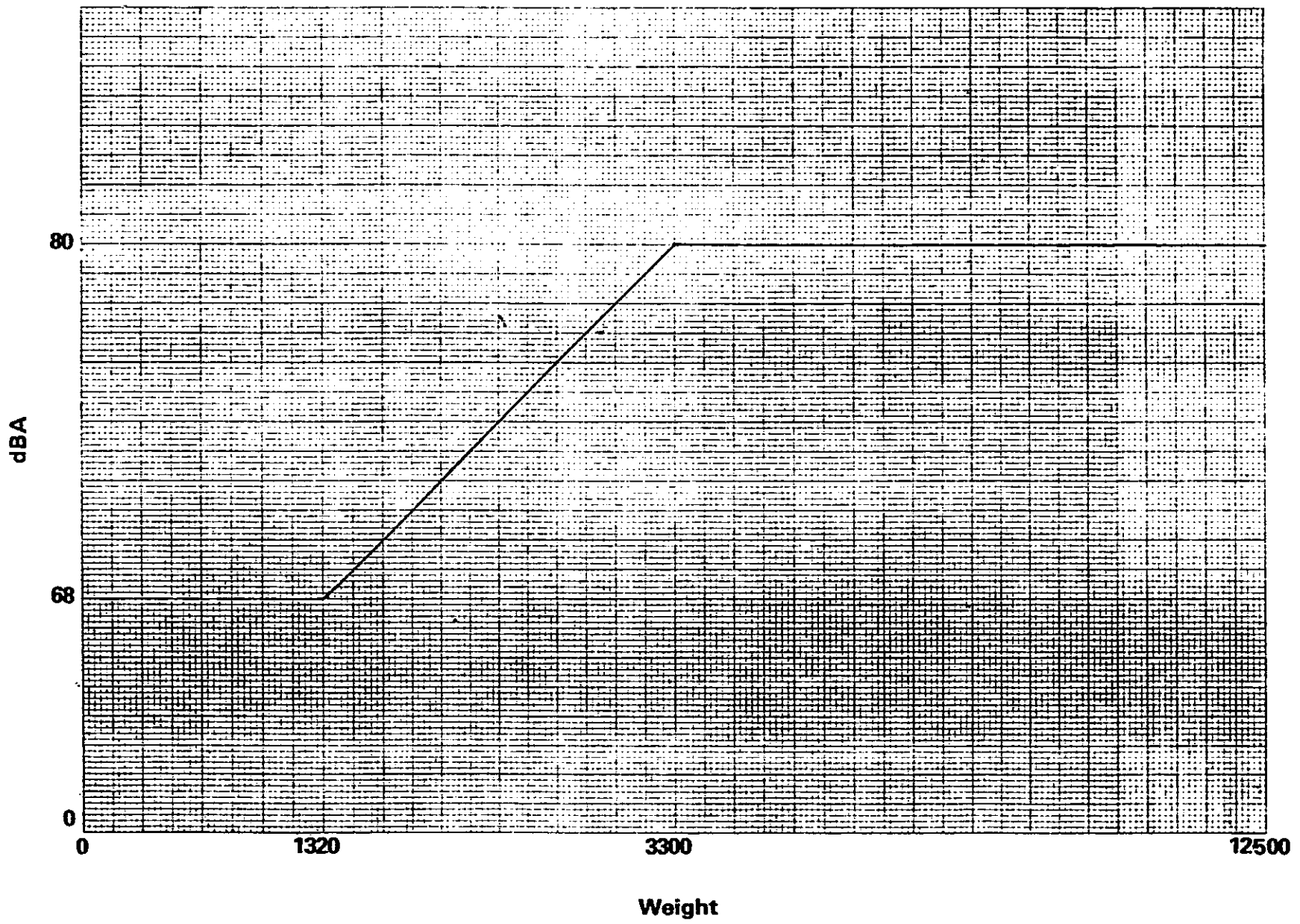
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Appendix 7

Equations for the Calculation of Noise Certification Limits
for Propeller-driven Small Airplanes

Application for Type Certification on or After January 1, 1975

Up to and including 1320 lbs.	68 dB(A)
Over 1320 lbs. up to and including 3300 lbs.	68 + 1dB(A) for each 165 lb. increment of T.O. weight above 1320 lbs.
Over 3300 lbs. up to and including 12500 lbs.	80 dB(A)

**Noise Certification Limits for
Propeller-Driven Aircraft Under 12,500 lbs**



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APPENDIX B
AIRCRAFT NOISE DATA FOR FOREIGN CERTIFICATED PROPELLER DRIVEN
AIRCRAFT NOT EXCEEDING 12,500 LBS

AIRCRAFT MAKE, MODEL POPULAR NAME	MTOW LW (LBS/ 1000)	ENGINE		PROPELLER				NOISE LEVELS DB(A)				NOTES	REFERENCES
		NUMBER MAKE MODEL	SHF RPM EXH	MAKE MODEL	DIAM (IN) RPM	TYPE ID E	TEST SPEED	NOISE MEAS.	PERF CORR	CORR LVL			
A. SCHLEICHER ASK 16	1.65	1 LIMBACH L2000-EB-1	74	HOFFMANN HO-V62R/LT160T	63	V	86	40.0	-1.3	50.7	I-0		
AIRCONCEPT VOVI-10	0.73	1 LIMBACH SL-1700-EA	59	HOFFMANN HO-11-150B45L	59	F	62	64.1	-1.3	62.8	I-0		
AKA-FLIEG STUTTGART FS-28 AVISPA	1.98	1 LYCOMING IO-360-B17	181	HOFFMANN HO-V-132K-X/LD210	78	V	114	72.1	-1.4	70.6	I-0		
ALPHA-WERKE AVO-685	1.50	1 LIMBACH SL-1700-EI	59	HOFFMANN HO-11-150B75L	59	F	78	62.8	1.8	64.6	I-0		
ALPHA-WERKE AVO-685	1.51	1 LIMBACH SL-1700-EI	59	HOFFMANN HO-11-150B-75L	59	F	82	64.1	1.8	65.9	I-0		
BEECH B76 DUCHESS	3.98	2 LYCOMING O-360-A1G6D	165 1	HARTZELL HC-M2YR-2CLUF/FC7666A	74	V	160	79.5	-2.3	77.2	I-1, C-3		
BRITTEN-NORMAN BN2-A-6	4.30	2 LYCOMING O-540-	256	HARTZELL HC-C2YK-2CF/FC8477A-4	79	V	139	82.3	-3.7	78.6	I-0		
BUCKER (UMBAU) BU 131	1.48	1 LYCOMING A1O-320-C1B	153	HOFFMANN HO-23 A-188 125	74	F	89	69.6	-6.2	64.6	I-0		
CASA 1.131E S2000	1.59	1 LYCOMING AE1O-360-B2F	170	HOFFMANN HO-27 HM-198B	78	F	105	71.4	-5.0	66.4	I-0		
CASA 1.131E S2000	1.59	1 ENHASA TIGRE C-IV-B	118	ENHASA HC 212-111	83	F	116	67.0		67.0	I-0		
CASA SPANIER 1.131-E	1.59	1 TIGER ENHASA C-IV-A2	99	ENHASA HC-212-111	83	F	96	71.4	-1.8	69.6	I-0		

APPENDIX B
AIRCRAFT NOISE DATA FOR FOREIGN CERTIFICATED PROPELLER DRIVEN
AIRCRAFT NOT EXCEEDING 12,500 LBS

AIRCRAFT MAKE, MODEL POPULAR NAME	MTOW LV (LBS/ 1000)	ENGINE		PROPELLER			NOISE LEVELS DB(A)					
		NUMBER MAKE MODEL	SHP RPM EXH	MAKE MODEL	DIAM (IN) RPM	L T C E	P I C H	TEST SPEED	NOISE MEAS	PERF CORR	CORR LVL	NOTES
DEHAVILLAND DH6-300	12.6 12.4	2 PRATT+WHITNEY PT6A-27	620 2112	HARTZELL HC-B3TN-3D	102 2112	3 V	147	82.3	-4.9	77.4		I-4
DORNIER DO-28-D	9.59	2 PRATT+WHITNEY PT-6A-110	399	HARTZELL HC-B-3TN-3D	100 1900	3 V	147	70.8	-5.0	65.8		I-0
FOKKER P-149D	2.61	1 AVCO LYCOMING GO-480-B1A6	260	HARTZELL HC-A3V20-10/V8433SP	85 1926	3 V	134	68.8	-0.1	68.7		I-0
FUJI HEAVY IND. FA-200-180	2.54	1 LYCOMING IO-360-B1B	180	MCCAULY B2D34-C53/74E-0	74 2670	2 V	118	73.1	0.5	73.6		I-0
GREAT LAKES AIRCRAFT ZT-1A-2	1.80	1 LYCOMING AEIO-360-B1G6	177	HARTZELL HC-C2YK-4BF	74 2700	2 V	91	74.4	-5.0	69.4		I-0
GULFSTREAM AMERICAN AA-1A TRAINER	1.52	1 LYCOMING O-235-C2C	108 2500	MC CAULEY SCM1A105/7154	71 2500	2 F	105	68.3	0.3	68.6		I-5
GULFSTREAM AMERICAN AA-5A CHEETAH	2.20	1 LYCOMING O-320-E2G	150 2680	MC CAULEY IC172/BTM7359	73 2680	2 F	113	73.3	-0.6	72.7		I-5
LEICHTFLUG-TECHNIK LFU-205	2.65	1 LYCOMING IO-360-A1C	197	HARTZELL HC-C2YK-1B/F7666A-2	74 2680	2 V	147	72.9	0.1	73.0		I-0.
LET KONVICE BLANIK-L-13M	1.28	1 VK VW 1500-FR	50	HOFFMANN HO-11-130B-100D	51 3600	2 F	83	59.5		59.5		I-0
MBB BO-208 JUNIOR	1.39	1 CONTINENTAL O-200-A	69	MCCAULY 1A-100MCM-6950	69 2750	2 F	105	66.9		66.9		I-0
MBB BO-208 JUNIOR	1.39	1 CONTINENTAL O-200-A	99	MCCAULY 1A-100MCM-6955	69 2700	2 F	106	67.3		67.3		I-0

APPENDIX 8
AIRCRAFT NOISE DATA FOR FOREIGN CERTIFICATED PROPELLER DRIVEN
AIRCRAFT NOT EXCEEDING 12,500 LBS

AIRCRAFT MAKE, MODEL POPULAR NAME	MTOW LW (LBS/ 1000)	ENGINE			PROPELLER				NOISE LEVELS DB(A)			
		NUMBER MAKE MODEL	SHP RPM EXH	MAKE MODEL	DIAM: (IN): RPM	TYPE A D E	TEST SPEED	NOISE MEAS	PERF CORR	NOTE LVL	REFERENCES	
MBB BO-208 JUNIOR	1.39	1 CONTINENTAL O-200-A	99	MCCAULY 1A-100MCM-6758	67:2 2750	F	110	67.5	-1.0	66.5	I-0	
MBB BO-209 MONSUN	1.81	1 LYCOMING O-320-E1F	147	HARTZELL HC-C2YL-1B/7663A-6 Pa	76:2 2700	V	120	70.7	-1.6	69.1	I-0	
MBB BO-209 MONSUN	1.81	1 LYCOMING O-320-D1A	157	HARTZELL HC-C2YL-1B/7663-SP	76:2 2700	V	127	70.8	-3.2	67.6	I-0	
MBB BO-209-FF MONSUN	1.81	1 LYCOMING O-320-E2F	147	MCCAULY 1C-172MCM70-5-66	70:2 2680	F	124	70.6	-0.9	69.7	I-0	
MBB SIAT 223	2.31	1 LYCOMING O-360-C1D6	197	HARTZELL HC-C2YK-1BF	76:2 2700	V	111	72.8		72.8	I-0	
MORANE SAULNIER MS-885	1.87	1 CONTINENTAL O-300-A	145	MCCAULY 1C-172MDM-7652	76:2 2400	F	96	71.3	-0.3	70.3	I-0	
MORAVAN CSSR ZLIN 43	2.98	1 MORAVAN M337A	168	AVIA-PRAHA VS00A	79:2 2600	V	104	71.7	1.4	73.1	I-0	
MUDRY CAARP CAP 10	1.83	1 LYCOMING O 360 B2F	241	HOFFMANN MO 29 HM 80170	71:2 2700	F		67.0		67.0	I-1	
PARTENAVIA P 68 B VICTOR	4.32	2 LYCOMING O-360-A1B6	200	HARTZELL HC-C2YK-2CF/FC7666A-4	72:2 2680	V		79.6	-5.0	74.6	I-0	
PILATUS BRITTON BN 2A-2 ISLANDER	6.31	2 LYCOMING O-540-K1B3	300	HARTZELL HC-C2YK-2CF/FC8477A-4	80:2 2500	V	147	80.7	-5.0	75.7	I-5	
PILATUS BRITTON BN-2T NORMAN ISLANDER	6.59	2 ALLISON 250-B17C	320	HARTZELL HC-C3YF-5/FC8475-4	80:3 2030	V	146	72.3	-4.1	68.2	I-5	

APPENDIX 8
AIRCRAFT NOISE DATA FOR FOREIGN CERTIFICATED PROPELLER DRIVEN
AIRCRAFT NOT EXCEEDING 12,500 LBS

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AIRCRAFT MAKE MODEL POPULAR NAME	MTOW LV (LBS/ 1000)	ENGINE		PROPELLER				NOISE LEVELS DB(A)				
		NUMBER MAKE MODEL	SHP RPM EXH	MAKE MODEL	DIA (IN)	REV D C E H	TEST SPEED	NOISE MEAS	PERF CORR	NOTES	REFERENCES	
PILATUS BRITEN BN2A Mk III-2 TRISLANDER	9.50	3 LYCOMING O-540-EAC5	240 2500 4	HARTZELL HC-C2YK-2CU7/PC8477A-4	80 1/2 2500	V	152	80.0	-2.0	78.0	I-5	
PILATUS BRITEN BN2A Mk III-2 TRISLANDER	9.50	3 LYCOMING O-540-EAC5	240 2500 4	HARTZELL HC-C2YK-CUF/PC8477A-4	78 1/2 2500	V	151	79.4	-2.0	77.4	I-5	
PILATUS BRITEN BN2A Mk III-3 TRISLANDER	10.0	3 LYCOMING O-540-E4CS	240 2500 4	HARTZELL HC-C2YK-2CU7/PC8477A-4	78 1/2 2500	V	151	79.4	-0.9	78.5	I-5	
PILATUS BRITEN BN2A Mk III-2 TRISLANDER	10.0	3 LYCOMING O-540-EAC5	240 2500 4	HARTZELL HC-C2YK-2WF/PC8477A-4	80 1/2 2500	V	152	80.0	-0.9	79.1	I-5	
PILATUS BRITEN BN2A-2 ISLANDER	4.31	2 LYCOMING IO-540-K185	300 2500 4	HARTZELL HC-C2YK-2CF/PC8477A-4	78 1/2 2500	V	144	77.9	-5.0	72.9	I-5	
PILATUS BRITEN BN2A-21 TRISLANDER	4.59	2 LYCOMING IO-540-K185	300 2500 4	HARTZELL HC-C2YK-2CF/PC8477-6	78 1/2 2500	V		77.9	-4.0	73.9	I-5	
PILATUS BRITEN BN2A-21 TRISLANDER	4.59	2 LYCOMING IO-540-K185	300 2500 4	HARTZELL HC-C2YK-2CF/PC8477A-4	80 1/2 2500	V	147	80.7	-4.0	76.7	I-5	
PILATUS-PORTER PC-6C1-H2/PC-6T	4.85	1 AIRESEARCH TPE331-1-100	374	HARTZELL HC-B5TN-5C/T10178C/-CH	102 1/2 2000	V	102	74.6	-3.0	69.6	I-0	
PIPER PA-28-150	2.16	1 LYCOMING O-320-E2A	2700	SENSENICH M74-DM-58	74 1/2 2700	F	103	70.6	0.9	71.5	I-5	
POLISH PZL-104 WILGA	2.87	2 PZL-FRANKLIN IAI-14R	240 2050 2	US 122	104 1/2 1420	V	95	72.3	-3.8	68.5	I-2	
POLISH PZL-104 W/ T-03 WILGA	2.87	2 PZL-FRANKLIN IAI-14R	240 2050 3	US 122	104 1/2 1420	V	92	65.4	-3.8	61.6	I-2	

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APPENDIX 8
 AIRCRAFT NOISE DATA FOR FOREIGN CERTIFICATED PROPELLER DRIVEN
 AIRCRAFT NOT EXCEEDING 12,500 LBS

AIRCRAFT MAKE, MODEL POPULAR NAME	MTOW LV (LBS/ 1000)	ENGINE		PROPELLER			NOISE LEVELS DB(A)				
		NUMBER MAKE MODEL	SHR RPM EXH	MAKE MODEL	DIAM: (IN) RPM	TYPE A D E	TEST SPEED	NOISE MEAS	PERF CORR	CORR LVL	NOTES
POLISH PZL-110 KOLIBER	1.70 1.70	2 PZL-FRANKLIN 4A 235 B	125 2050 2	US 135	70 2800	F	67.0	2.8	69.8	I-2	
REIMS AVIATION F 152 II -	1.68	1 LYCOMING C235 L2C	109 2550	MCCAULEY 1A 103/TCH 4958	49 2550	F	110	65.7	-1.0	64.7	I-1
REIMS AVIATION F 172 M -	2.29	1 LYCOMING C 320 E2D	150 2700	MCCAULEY 1C 167/DTM 7557	75 2700	F	124	72.7	1.2	73.9	I-1
REIMS AVIATION F 172 N -	2.29	1 LYCOMING C 320 H2AD	140 2700	MCCAULEY 1C 160/DTM 7557	75 2700	F	124	73.4	-0.1	73.3	I-1
REIMS AVIATION F 182 P -	2.95	1 CONTINENTAL O 470 S	230 2400	MCCAULEY 2A 34C 66	82 2400	V	142	77.4	-1.4	76.0	I-1
REIMS AVIATION F 182 Q -	2.95 2.95	1 CONTINENTAL O 470 U	230 2400	MCCAULEY 2A 34C 204	82 2400	V	150	72.1	-2.4	69.7	I-1
REIMS AVIATION FR 172K	2.54	1 CONTINENTAL 110 360 K	195 2600	MCCAULEY 2A 34C 203	77 2600	V	129	73.2	-1.1	72.1	I-1
REIMS AVIATION FR 182	3.09	1 LYCOMING O 540J3CSD	235 2400	MCCAULEY B2D 34C 214	82 2400	V	159	73.1	-2.5	70.6	I-1
ROBIN DR 400/120A PETIT PRINCE	1.98 1.98	1 LYCOMING O 235 L2A	118 2700	MCCAULEY 1A 135 DCH 7150	71 2700	F	109	68.2	2.4	70.6	I-1
ROBIN DR 400/160 CHEVALIER	2.31 2.31	1 LYCOMING O 320 D	140 2700	SENENICH 74 DM 45264	74 2700	F	129	72.9	0.3	73.2	I-1
ROBIN DR 400/180 REGENT	2.43 2.43	1 LYCOMING O 360 A 3A	180 2600	SENENICH 74EM855-064	76 2600	F	134	72.2	0.9	73.1	I-1

APPENDIX B
AIRCRAFT NOISE DATA FOR FOREIGN CERTIFICATED PROPELLER DRIVEN
AIRCRAFT NOT EXCEEDING 12,500 LBS

AIRCRAFT MAKE, MODEL POPULAR NAME	MTOW LW (LBS/ 1000)	ENGINE		PROPELLER			NOISE LEVELS DB(A)					
		NUMBER MAKE MODEL	SHP RPM EXH	MAKE MODEL	DIA (IN) RPM E	P I T C H	TEST SPEED	NOISE MEAS.	PERF CORR	CORR LVL	NOTES	REFERENCES
ROBIN DR 400/180R REGENT	2.20 2.20	1 LYCOMING O-360 A3A	180 2700	SENSENICH EM 855058	76 2700	F	117	74.1	-2.5	71.6		I-1
ROBIN DR400/120 PETIT PRINCE	1.98 1.98	1 LYCOMING O 235-L2A	114 2700	SENSENICH CKS-6-056	72 2700	F	145	69.6	2.0	71.6		I-1
ROBIN HR 100-285 TIARA	3.09 3.09	1 CONTINENTAL TIARA 6 285 B	285 4000	HOFFMANN 2000TR/MN	79 2000	V		74.2	-1.3	72.9		I-1
ROBIN R 2112	1.76 1.76	1 LYCOMING O 235 L2A	112 2600	SENSENICH CK 56-056	72 2600	F	110	67.3	0.2	67.5		I-1
ROBIN R 2160 AEROBIN	1.76 1.76	1 LYCOMING O 320 D	160 2600	SENSENICH 74DM65 5264	72 2600	F	132	72.4	-2.6	69.8		I-1
SAAB FAIRCHILD MFI-15-200A	4.41	1 LYCOMING O-360-A1B6	197	HARTZELL HC-2CYK-4BF	74 2700	V	120	73.6	0.7	74.5		I-0
SCHEIBE FLUGZEUGBAU SF-25C	1.34	1 LIMBACH SL-1700-EA	48	HOFFMANN HO-11-150B-75L	59 2800	F	82	58.3	-1.0	57.3		I-0
SCHEIBE FLUGZEUGBAU SF-27 H-B	0.85	1 HIRTH-MOT. BAU 171R-4E	26	HOFFMANN HO-02-120-50	47 4000	F	72	67.7	0.2	67.9		I-0
SCHEMPP-HIRTH CM	1.50	1 BINDER MOT. BAU WB-2	52	HOFFMANN HO-11 158B-70	62 2800	F	73	65.2	1.4	66.6		I-0
SCHEMPP-HIRTH NIMBUS-2M	1.32	1 SCHEMPP-HIRTH SM-1 (O-28280R)	50	HOFFMANN HO-11 145-B80	57 3000	F	77	63.6	1.8	65.4		I-0
SHORT BROS. SKYVAN SERIES III	12.6	2 AIRESEARCH TPE-331-2-201A	715	HARTZELL HC-B3TN-SE/T10282HB	98 2800	V		81.9	-4.7	77.2		I-3

APPENDIX 8
AIRCRAFT NOISE DATA FOR FOREIGN CERTIFICATED PROPELLER DRIVEN
AIRCRAFT NOT EXCEEDING 12,500 LBS

AIRCRAFT MAKE, MODEL POPULAR NAME	HTOV LW (LBS/ 1000)	ENGINE		PROPELLER			NOISE LEVELS DB(A)					
		NUMBER MAKE MODEL	SHP RPM EXH	MAKE MODEL	DIAM: (IN) RPM	B P T C H	TEST SPEED	NOISE MEAS	PERF CORR	CORR LVL	NOTES	REFERENCES
SLINGSBY ENGINEERING T 47A	1.63	1 LYCOMING O-235-L2A	118 2800 2	HOFFMAN HO14-178-120	70 2800	F	109	70.9	-2.3	68.6		I-5
SOC. AERONAUT. JODEL D 140B NORMANDE	2.65	1 LYCOMING O-360-A2A	177 2800	SENSENICH 76EM8-0-60	76 2700	F	112	74.0	0.2	74.2		I-0
SOCATA 110 ST RALLYE	1.70	1 LYCOMING O-235L-2A	110 2400	MCCAULEY 1A 103TCM 6958	69 2400	F	105	67.6	1.0	68.6		I-1
SOCATA 150 SV RALLYE	1.98	1 LYCOMING O 326 D2A	160 2700	SENSENICH M 74 DM 61	74 2700	F	64	73.8	-2.2	71.6		I-1
SOCATA 180 T RALLYE	2.09	1 LYCOMING O 360 A3A	180 2700	SENSENICH 76 EM8 060	76 2700	F	64	73.1	-0.8	72.3		I-1
SOCATA 235 E RALLYE	2.65	1 LYCOMING O 540 B4B5	235 2575	HARTZELL HCC2 YK184684	80 2575	V		74.3	-0.7	73.6		I-1
SOCATA 880 B RALLYE	1.70	1 HOLLS ROYCE O 200 A	100 2750	MCCAULEY 1A 101 DCM/6948	67 2750	F		68.8		68.8		I-1
SOCATA 893 E RALLYE	2.31	1 LYCOMING O 360 A3A	185 2700	HOFFMANN HO 27 HM/184 135	73 2700	F		71.3		71.3		I-1
SOCATA TB 10 TOBACO	2.29	1 LYCOMING O-360-A1AD	180 2700	HARTZELL HC-C2YK-1BF-F7666-A2	74 2700	V	125	72.4	-0.9	71.5		I-1
SOCATA TB 9 TAMPICO	2.34	1 LYCOMING O 320 D2A	160 2700	SENSENICH 74 DM6 61	74 2700	F	121	71.2	1.3	72.5		I-1
SPORTAVIA PUTZ. ELSTER B	1.54	1 CONTINENTAL C90-12F	88 2475	HOFFMANN HO-14-193 100	72 2475	F	74	66.0		66.0		I-0

11/4/85

AC 36-1D
Appendix 8

APPENDIX 8
AIRCRAFT NOISE DATA FOR FOREIGN CERTIFICATED PROPELLER DRIVEN
AIRCRAFT NOT EXCEEDING 12,500 LBS

AIRCRAFT MAKE, MODEL POPULAR NAME	MTOW LV (LBS/ 1000)	ENGINE			PROPELLER				NOISE LEVELS DB(A)				NOTES	REFERENCES
		NUMBER	MAKE MODEL	SHP RPM EXH	MAKE MODEL	DIA: (IN) RPM	L A D	P T C	TEST SPEED	NOISE MEAS	PERF CORR	CORR LVL		
SPORTAVIA PUTZ. RF-5	1.43	1	LIMBACH L2100-EIX	71	HOFFMANN HO-VR/L-150A	59	2	V	104	63.4	-1.3	62.1		I-0
SPORTAVIA PUTZ. RF6-B	1.98	1	LYCOMING D-320-A1B	150	HOFFMANN HO-23 178-145	70	2	F	118	71.2	-1.1	70.1		I-0
SPORTAVIA PUTZ. RS-180	2.43	1	LYCOMING D-360-A3A	180	HOFFMANN HO-27-HM-180138	70	2	F	110	66.8	-0.9	65.9		I-0
SPORTAVIA PUTZ. RS-180	2.45	1	LYCOMING D-360-A3A	180	HCCAULY 1A170/FFA7543	75	2	F	122	73.8		73.8		I-0
WASSMER WA 80	1.74	1	ROLLS ROYCE D 200 A	130	HOFFMANN HO 14.175.113	49	2	F		68.3		68.3		I-1
ZAKLADY SZCZYBOWCOWE SZD 45 OGAR	1.54	1	LIMBACH SL-1700-EC	59	HOFFMANN HO-11-145 B75D	57	2	F	64	68.9	0.3	69.2		I-0

APPENDIX 8 REFERENCES

I-0 : GERMANY 3/1/81
I-1 : FRANCE 10/10/80 CAN
I-2 : POLAND 1/18/82 CAN
I-3 : UNITED KINGDOM 10/10/80 CAN
I-4 : CANADA 10/10/80 CAN
I-5 : ENGLAND 9/11/81

EXHAUST CONFIGURATIONS (RECIPROCATING ENGINES)

- 1: STUB PIPES
- 2: SMALL COLLECTOR, SHORT EXHAUST PIPE
- 3: TURBINE OR TURBOCHARGER
- 4: COLLECTOR WRAPAROUND MANIFOLD STRAIGHT PIPE
- 5: MANIFOLD MUFFLER

APPENDIX 9. DEFINITIONS

The following definitions apply to the column headings of the appendices of Advisory Circular 36-1D:

MTOW	Maximum Takeoff Weight
LW	Landing Weight
BPR	By-pass-ratio
APPR.	Approach
ALT.	The altitude in feet over the takeoff noise measurement station.
SHP	Shaft horsepower (measured during test).

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