

Sealed Two tone IMD distortion 30 and 72hz

70db

	42hz 2nd order IMD db down from 70 db fundamental	102 hz 2nd order IMD	132 hz 3rd order IMD	174hz 3rd order IMD	186 hz 4th order IMD	42hz 2nd order IMD in percent	102 hz 2nd order IMD in %	132 hz 3rd order IMD in %	174hz 3rd order IMD in %	186 hz 4th order IMD in %	Total IMD in %
Driver											
Peerless XXLS 830842	-44	less than -55	-44	-49	-54	0.63			0.63	0.35	0.98
Dayton RSS HE 315	-46	-51	-40	-49	-52	0.50	0.28		1.00	0.35	1.23
Eminence Lab 12c	-46	-47	-39	-46	-49	0.50	0.45		1.12	0.50	1.44
Acoustic Elegance SBP-12a	-48	-47	-36	-51	-44	0.40	0.45		1.58	0.28	1.83
SEAS L26-X1001-04	-46	-54	-35	-53	-48	0.50	0.20		1.78	0.22	1.91
Audio Technology Flexunits 12 B 77 25 10	-44	-45	-35	-47	-48	0.63	0.56		1.78	0.45	2.06
B&C 12FG100-4	-44	-42	-32	-47	-42	0.63	0.79		2.51	0.45	2.86
SB SB34NRXL75-8	-45	-52	-31	-48	-48	0.56	0.25		2.82	0.40	2.94
Morel TICW 1258ft	-43	-43	-31	-40	-39	0.71	0.71		2.82	1.00	3.35
Wavecor SW312WA03-01	-34	-44	-28	-40	-38	2.00	0.63		3.98	1.00	4.78
Radio Shack 40-1350 12" DVC	-30	-27	-22	-29	-43	3.16	4.47		7.94	3.55	10.30
DIYSG Magnum	-33	-29	-15	-31	-36	2.24	3.55		17.78	2.82	18.55
GRS 12SW-4	-33	-22	-8	-26	-43	2.24	7.94		39.81	5.01	40.97

Sealed Two tone IMD distortion 30 and 72hz

80 db

	42hz 2nd order IMD db down from 80 db	102 hz 2nd order IMD	132 hz 3rd order IMD	174hz 3rd order IMD	186 hz 4th order IMD	42hz 2nd order IMD in percent	102 hz 2nd order IMD in %	132 hz 3rd order IMD in %	174hz 3rd order IMD in %	186 hz 4th order IMD in %	Total IMD in %
Dayton RSS HE 315	-46	-48	-40	-50	-51	0.50	0.40		1.00	0.32	1.26
Eminence Lab 12c	-44	-41	-37	-43	-42	0.63	0.89		1.41	0.71	2.08
Acoustic Elegance SBP-12a	-39	-41	-34	-42	-45	1.12	0.89		2.00	0.79	2.64
Audio Technology Flexunits 12 B 77 25 10	-36	-34	-30	-34	-40	1.58	2.00		3.16	2.00	4.63
Peerless XXLS 830842	-44	-49	-26	-40	-44	0.63	0.35		5.01	1.00	5.20
Morel TICW 1258ft	-32	-30	-34	-34	-33	2.51	3.16		2.00	2.00	5.41
SEAS L26-X1001-04	-38	-37	-24	-52	-39	1.26	1.41		6.31	0.25	6.69
B&C 12FG100-4	-40	-36	-22	-41	-35	1.00	1.58		7.94	0.89	8.40
SB SB34NRXL75-8	-44	-40	-18	-33	-43	0.63	1.00		12.59	2.24	12.86

80 db

Sealed Two tone IMD distortion 60 and 144 hz

Driver	84hz 2nd order IMD db down from 100 db fundamental	108 hz 5th order IMD	204 hz 2nd order IMD	228 3rd order IMD	288 2nd order IMD	348hz 3rd order IMD	84hz 2nd order IMD in percent	108 hz 5th order IMD	204 hz 2nd order IMD	228 3rd order IMD	288 3rd order IMD	348hz 3rd order IMD in %	Total IMD in %
Purifi PTT6.5X04-NFA-01	-52	-65	-52	-65	-60	-66	0.25	0.06	0.25	0.06	0.10	0.05	0.38
Morel TICW 1258ft	-52	-66	-50	-66	-59	-61	0.25	0.05	0.32	0.05	0.11	0.09	0.43
Audio Technology Flexunits 12 B 77 25 10	-50	-60	-50	-58	-63	-62	0.32	0.10	0.32	0.13	0.07	0.08	0.49
SB SB34NRXL75-8	-49	-63	-49	-62	-60	-66	0.35	0.07	0.35	0.08	0.10	0.05	0.52
Eminence Lab12c	-48	-59	-52	-52	-59	-57	0.40	0.11	0.25	0.25	0.11	0.14	0.57
Dayton RSS HE 315	-51		-51	-47		-55	0.28		0.28	0.45		0.18	0.62
Acoustic Elegance SBP-12a	-46	-54	-48	-62	-62	-61	0.50	0.20	0.40	0.08	0.08	0.09	0.69

90 db

Sealed Two tone IMD distortion 60 and 144 hz

Driver	84hz 2nd order IMD db down from 100 db fundamental	108 hz 5th order IMD	204 hz 2nd order IMD	228 3rd order IMD	288 2nd order IMD	348hz 3rd order IMD	84hz 2nd order IMD in percent	108 hz 5th order IMD	204 hz 2nd order IMD	228 3rd order IMD	288 3rd order IMD	348hz 3rd order IMD in %	Total IMD in %
Eminence Lab12c	-48	-58	-60	-49	-51	-55	0.40	0.13	0.10	0.35	0.28	0.18	0.65
Purifi PTT6.5X04-NFA-01	-46	below noise	-48	-61	-50	-58	0.50		0.40	0.09	0.32	0.13	0.73
Audio Technology Flexunits 12 B 77 25 10	-44	-63	-46	-55	-63	-62	0.63	0.07	0.50	0.18	0.07	0.08	0.84
Acoustic Elegance SBP-12a	-48	-48	-45	-60	-52	-61	0.40	0.40	0.56	0.10	0.25	0.09	0.85
Dayton RSS HE 315	-46	-62	-45	-46	-49	-55	0.50	0.08	0.56	0.50	0.35	0.18	0.99
SB SB34NRXL75-8	-45	-71	-42	-64	-51	-66	0.56	0.03	0.79	0.06	0.28	0.05	1.02
Morel TICW 1258ft	-45	-64	-42	-61	-51	-67	0.56	0.06	0.79	0.09	0.28	0.04	1.02

31hz Vented Two tone IMD distortion 30 and 72hz

80 db

	42hz 2nd order IMD db down from 80 db fundamental	102 hz 2nd order IMD	132 hz 3rd order IMD	174hz 3rd order IMD	186 hz 4th order IMD	42hz 2nd order IMD in percent	102 hz 2nd order IMD in %	132 hz 3rd order IMD in %	174hz 3rd order IMD in %	186 hz 4th order IMD in %	Total IMD in %
Audio Technology Flexunits 12 B 77 25 10	-48	-50	-54	-49	-57	0.40	0.32		0.20	0.35	0.67
SEAS L26-X1001-04	-45	-49	-46	-54	-55	0.56	0.35		0.50	0.20	0.87
Eminence Lab 12c	-50	-50	-43	-52	-47	0.32	0.32		0.71	0.25	0.98
Morel TICW 1258ft	-49	-56	-48	-42	-53	0.35	0.16		0.40	0.79	1.00
Peerless XXLS 830842	-46	-48	-42	-49	below noise	0.50	0.40		0.79	0.35	1.08
Acoustic Elegance SBP-12a	-51	-48	-49	-39	-50	0.28	0.40		0.35	1.12	1.31
Dayton RSS HE 315	-46	below noise	-39	-42	below noise	0.50			1.12	0.79	1.46
SB SB34NRXL75-8	-47	-45	-47	-48	-38	0.45	0.56		0.45	0.40	1.57

31hz Vented Two tone IMD distortion 30 and 72hz

90 db

	42hz 2nd order IMD db down from 80 db fundamental	102 hz 2nd order IMD	132 hz 3rd order IMD	174hz 3rd order IMD	186 hz 4th order IMD	42hz 2nd order IMD in percent	102 hz 2nd order IMD in %	132 hz 3rd order IMD in %	174hz 3rd order IMD in %	186 hz 4th order IMD in %	Total IMD in %
Audio Technology Flexunits 12 B 77 25 10	-48	-42	-50	-44	-49	0.40	0.79		0.32	0.63	1.19
Peerless XXLS 830842	-39	-42	-46	below noise	-47	1.12	0.79		0.50	0.45	1.53
Eminence Lab 12c	-38	-43	-39	-48	-49	1.26	0.71		1.12	0.40	1.91
Dayton RSS HE 315	-39	-47	-39	-40	-47	1.12	0.45		1.12	1.00	1.98
SEAS L26-X1001-04	-37	-41	-40	-52	-50	1.41	0.89		1.00	0.25	1.99
Acoustic Elegance SBP-12a	-40	-38	-42	-42	-46	1.00	1.26		0.79	0.79	2.02
SB SB34NRXL75-8	-40	-40	-38	-42	-37	1.00	1.00		1.26	0.79	2.49
Morel TICW 1258ft	-47	-40	-38	-35	-45	0.45	1.00		1.26	1.78	2.50

31hz Vented Two tone IMD distortion 30 and 72hz

100 db

	42hz 2nd order IMD db down from 80 db fundamental	102 hz 2nd order IMD	132 hz 3rd order IMD	174hz 3rd order IMD	186 hz 4th order IMD	42hz 2nd order IMD in percent	102 hz 2nd order IMD in %	132 hz 3rd order IMD in %	174hz 3rd order IMD in %	186 hz 4th order IMD in %	Total IMD in %
Audio Technology Flexunits 12 B 77 25 10	-32	-32	-42	-40	-52	2.51	2.51		0.79	1.00	3.78
SEAS L26-X1001-04	-27	-32	-32	-43	-36	4.47	2.51		2.51	0.71	5.97
Eminence Lab 12c	-26	-33	-30	-49	-34	5.01	2.24		3.16	0.35	6.65
Dayton RSS HE 315	-23	-34	-30	-36	-35	7.08	2.00		3.16	1.58	8.35
Peerless XXLS 830842	-32	-34	-22	-30	-35	2.51	2.00		7.94	3.16	9.30