

MODEL			HD 86	HD 132	HD 202	HD 252	HD 302
TYPE			tweeter	midrange	woofer	woofer	woofer
nominal impedance	Zn	ohm	4	4	4	4	4
long-term power	Plt	W rms	120	100	120	140	160
sensitivity	dB	2.83V/1m	98	90	91	91	92
frequency range	BW	Hz	2.5 - 20K	200 - 5K	50 - 2K	40 - 2K	30 - 1.2K
resonance frequency	Fs	Hz	1300	90	52	48	34
mechanical Q factor	Qms	-	1.8	3.9	7.63	11	9
electrical Q factor	Qes	-	1.68	0.4	0.47	0.5	0.45
total Q factor	Qts	-	0.87	0.36	0.45	0.5	0.43
moving mass	Mms	g	0.29	6	15.8	50	80
compliance	Cms	mm/N	0.05	0.51	0.58	0.22	0.27
emission diameter	D	mm	28	102	165	210	255
emission area	Sd	mm <sup>2</sup>	616	8200	21380	34600	51100
equivalente volume	Vas	l	-	5	37	37	99
force factor	BxL	N/A	2.2	5.1	5.83	9.5	10.8
flux density	B	T	1.5	1	0.9	0.9	1.3
voice coil resistance	Re	ohm	3.5	3	3	3	3
voice coil inductance	Le	mH	0.1	0.5	0.4	1	1
voice coil lenght	h	mm	1.3	-	-	-	-
gap eight	he	mm	2.5	-	-	-	-
linear excursion	Xmax	mm	-	+/- 2	+/- 2.5	+/- 3	+/- 3.5
cone/dome material	-	-	fabric	paper	paper	paper	paper
voice coil diameter	-	mm	26	32	38	50	50
magnet size	-	mm	72 x 15	102 x 14	120 x 15	134 x 14	155 x 19