



ULTIMO SUBWOOFER SPECIFICATIONS

SUBWOOFER	ULTIMO 122	ULTIMO 124	ULTIMO 102	ULTIMO 104	ULTIMO 802	ULTIMO 804
Nominal Impedance (ohms)	2	4	2	4	2	4
Power Handling (Wrms)	1000	1000	1000	1000	800	800
Max. Trans.Pwr Handling (10 ms) W	3000	3000	3000	3000	3000	3000
Sensitivity dB (2.83V/1M)	88	88	87	86	85	84
Frequency Response (Hz)	10-900	10-900	10-900	10-900	20-900	20-900
Cone Material	Carbon-fiber laminated paper	Carbon-fiber laminated paper	Carbon-fiber laminated paper	Carbon-fiber laminated paper	Carbon-fiber laminated paper	Carbon-fiber laminated paper
Net Weight Kg (pound)	6.7 (15)	6.7 (15)	6.5 (14.3)	6.5 (14.3)	6.1 (13.44)	6.1 (13.44)
Driver displacement L (cu.ft.)	2.6 (0.09)	2.6 (0.09)	2.34 (0.08)	2.34 (0.08)	2.0 (0,07)	2.0 (0,07)
Voice Coil Diameter mm (inch)	130 (5.1)	130 (5.1)	130 (5.1)	130 (5.1)	130 (5.1)	130 (5.1)
Voice Coil Height mm (inch)	37 (1.45)	37 (1.45)	37 (1.45)	37 (1.45)	37 (1.45)	37 (1.45)
Voice Coil Type/ Former	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Voice Coil Wire	Hexatech™ Aluminum	Hexatech™ Aluminum	Hexatech™ Aluminum	Hexatech™ Aluminum	Hexatech™ Aluminum	Hexatech™ Aluminum
Number of Layers	2	2	2	2	2	2
Max. Linear Ex./Xmax - mm (inch)	± 12.5 (0.5) (Each way)	± 12.5 (0.5) (Each way)	± 12.5 (0.5) (Each way)	± 12.5 (0.5) (Each way)	± 12.5 (0.5) (Each way)	± 12.5 (0.5) (Each way)
Magnet System	Double Magnet Vented	Double Magnet Vented	Double Magnet Vented	Double Magnet Vented	Double Magnet Vented	Double Magnet Vented
HE-Magnetic Gap Height - mm (inch)	12 (0.5)	12 (0.5)	12 (0.5)	12 (0.5)	12 (0.5)	12 (0.5)
B-Flux Density (T)	0.6	0.6	0.6	0.6	0.6	0.6
BL Product/BXL (T.M)	7.51	12	7.06	12.4	7.34	11
DC Resistance	1.56	3.5	1.7	3.7	1.7	3.7
Voice Coil Induct. @1 kHz (MH)	0.35	1	0.35	1	0.31	1
Suspension Compliance CMS - mm/N	0.261	0.263	0.32	0.22	0.2	0.23
Mechanical Q Factor	1.49	1.69	1.2	1.71	1.26	1.48
Electrical Q Factor QES	0.63	0.56	0.58	0.55	0.59	0.55
Total Q Factor QT	0.44	0.42	0.4	0.42	0.43	0.4
Mech.Resistance RMS	15.4	13.58	15.04	13.9	16	13.55
Moving Mass MMS gr (pound)	120	125	107	115	85	95
Equiv. Can Air Load VAS Liter (cu.ft.)	73.24 (2.58)	73.77 (2.60)	47.39 (1.67)	34.5 (1.22)	17 (0.60)	19.49 (0.68)
Resonant Frequency Fs Hz	26.41	26	27	29	37	40
Effective Piston Area SD Sq.cm.	448	448	346	346	243	243
Unit Diameter mm (inch)	305 (12)	305 (12)	263 (10.53)	263 (10.53)	222 (8.74)	222 (8.74)
Mounting Depth mm (inch)	146.9 (5.78)	146.9 (5.78)	140.3 (5.52)	140.3 (5.52)	120 (4.72)	120 (4.72)
Mounting Cutout mm (inches)	270 (10.62)	271 (10.62)	232 (9.13)	233 (9.13)	200 (7.87)	201 (7.87)

* Morel operates a policy of continuous products design improvement, consequently specifications are subject to alteration without prior notice.