



HYBRID (402/402slim/502/602) individual driver component specifications

DRIVE UNIT	HYBRID MW4	HYBRID MW4 SLIM	HYBRID MW5	HYBRID MW6
Nominal Impedance (Ohms)	4	4	4	4
Power Handling Wrms	100	100	120	140
Max. Trans.Pwr Handling Wrms	300	300	500	600
Sensitivity (2.83V/1M)	89 dB	89 dB	90dB	91 dB
Frequency Response Hz	50-4200	50-4200	45-3000	35-3000
Resonant Freq. Fs Hz	82	82	56	45
Voice Coil Diameter mm (inch)	54 (2.1)	54 (2.1)	54 (2.1)	54 (2.1)
Voice Coil Height mm (inch)	10.50 (0.41)	10.50 (0.41)	10.50 (0.41)	11 (0.47)
Voice Coil Type/ Former	Aluminum	Aluminum	Aluminum	Aluminum
Voice Coil Wire	Hexatech™ aluminum	Hexatech™ aluminum	Hexatech™ aluminum	Hexatech™ aluminum
DC Resistance (Ohms)	3.2	3.2	3	3
Voice Coil Induct. @1 kHz (MH)	0.21	0.21	0.21	0.22
Magnet System	Hybrid rear vented	Hybrid rear vented	Hybrid rear vented	Hybrid rear vented
HE-Magnetic Gap Height mm (inch)	4 (0.16)	4 (0.16)	4 (0.16)	4 (0.16)
B-Flux Density (T.M.)	0.83	0.83	0.83	0.83
BL Product/BXL	4.16	4.16	4.2	4.2
Max. Linear Ex./Xmax mm (inch)	7±3.5 (0.28±0.14)	7±3.5 (0.28±0.14)	7±3.5 (0.28 ± 0.14)	7±3.5 (0.28±0.14)
Suspension Compliance CMS - mm/N	0.57	0.57	0.78	1.1
Electrical Q Factor QES	0.63	0.63	0.59	0.56
QTS	0.46	0.46	0.45	0.44
QMS	1.74	1.74	1.8	2.08
Mech.Resistance RMS - Ohm/meter	1.98	1.98	1.96	1.5
Moving Mass MMS - gr/ ounce	6.8	6.8	9.9	11
Equiv. Can Air Load VAS - L (cu.ft)	3.17 (0.11)	3.17 (0.11)	8.87 (0.31)	21 (0.74)
Effective Piston Area SD sq.cm (sq. inch)	64 (9.92)	64 (9.92)	90 (13.95)	119 (18.45)
Cone Type	One-piece formed	One-piece formed	One-piece formed	One-piece formed
Cone Material	DPC	DPC	DPC	DPC
Unit Diameter mm (inch)	104 (4)	104 (4)	135 (5.25)	165 (6.50)
Mounting Depth mm (inch)	50 (21)	41.5 (1.63)	60 (2.36)	61 (2.40)
Mounting Cutout mm (inch)	95 (3.74)	95 (3.74)	120 (4.72)	141 (5.55)
Net Weight Kg (lb)	0.53 (1.1716)	0.53 (1.1716)	0.60 (1.32)	0.60 (1.32)

TWEETERS	MT230
Nominal Impedance (Ohm)	6
Power Handling (WRms)	130
Max Transient Power Handling W (10ms)	350
Sensitivity (2.83V/1M) dB	93
Frequency Response Hz	1600-25000
FS Hz	1200
Voice Coil Diameter mm (inch)	28 (1.125)
Voice Coil Former	Aluminum
Voice Coil Wire	Hexatech™ Aluminium
DC Resistance Ohm	5.2
Magnet System	Double Magnet Neodymium
Dome Type	Acuflex™ Hand Coated Soft Dome
Dome Material	Silk
Unit Diameter mm (inch)	45.00 (1.8)
Mounting Depth mm (inch)	20.00 (0.80)
Mounting Cutout mm (inch)	50.00 (2.00)
Net Weight Kg(lb)	0.067 (0.134)

CROSSOVERS	MXR240
Crossover Point	W: 2200Hz / 18dB T: 2200Hz / 12dB
Crossover Controls	Tweeter+/- 2dB
Wiring Options	N/A

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