



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

DRIVE UNIT	HYBRID INTEGRA 4	HYBRID INTEGRA 4 slim	HYBRID INTEGRA 5	HYBRID INTEGRA 6
Nominal Impedance (Ohms)	4	4	4	4
Power Handling Wrms	80	80	90	100
Max. Trans.Pwr Handling Wrms	250	250	250	300
Sensitivity (2.83V/1M)	89dB	89dB	90dB	91dB
Frequency Response Hz	80-5000	80-5000	70-3800	65-3300
Resonant Freq. Fs Hz	92	92	82	75
Voice Coil Diameter mm (inch)	54 (2.10)	54 (2.10)	54 (2.1)	54 (2.1)
Voice Coil Height mm (inch)	-	-	-	12
Voice Coil Type/ Former	Aluminum	Aluminum	Aluminum	Aluminum
Voice Coil Wire	Hexatech™ aluminum	Hexatech™ aluminum	Hexatech™ aluminum	Hexatech™ aluminum
DC Resistance (Ohms)	3	3	3.3	3.3
Voice Coil Induct. @1 kHz (MH)	0.17	0.17	0.26	0.31
Magnet System	Neodymium	Neodymium	Neodymium	Neodymium
HE-Magnetic Gap Height mm (inch)	4 (0.16)	4 (0.16)	5 (0.20)	5 (0.20)
B-Flux Density (T.M.)	0.9	0.9	0.9	0.85
BL Product/BXL	3.97	3.97	5.16	4.65
Max. Linear Ex./Xmax mm (inch)	4±2 (0.16±0.08)	4±2 (0.16±0.08)	5.50±2.75 (0.22±0.11)	7±3.5 (0.28±0.14)
Suspension Compliance CMS - mm/N	0.66	0.66	0.6	0.42
Electrical Q Factor QES	0.45	0.45	0.39	0.67
QTS	0.36	0.36	0.32	0.54
QMS	1.72	1.72	1.85	2.86
Mech.Resistance RMS - Ohm/meter	1.44	1.44	1.7	1.52
Moving Mass MMS - gr/ ounce	4.4	4.4	6.11	8.12
Equiv. Can Air Load VAS - L (cu.ft)	1.40 (0.04)	1.40 (0.04)	2.72 (0.37)	3.80 (0.13)
Effective Piston Area SD sq.cm (sq. inch)	39 (6.04)	39 (6.04)	57 (8.83)	80 (37.8)
Cone Type	Formed Paper	Formed Paper	Formed Paper	Formed Paper
Cone Material	Composite cellular fiber	Composite cellular fiber	Composite cellular fiber	Composite cell. fiber
Unit Diameter mm (inch)	104 (4.0)	104 (4.0)	135 (5.25)	165 (6.5)
Mounting Depth mm (inch)	50 (2.1)	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)	0.50 (1.10)	0.50 (1.10)	0.60 (1.32)	0.75 (1.65)

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	MXR250i
Crossover Point	2200Hz / 12dB/Oct
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.