

		Top mount tweeters			small size tweeters 54x54mm					oval
SPECIFICATIONS		MDT 38	MDT 41	MDT 43	MDT 12	MDT 22	MDT 39	MDT 40	MDT 44	MDT 45
Overall Dimensions		44 x 58mm (1.73") x (2.28")	45 x 58mm (1.73") x (2.28")	46 x 58mm (1.73") x (2.28")	34x34x10,3mm 2.13"x2.13"x0.73"	34x34x30mm 2.13"x2.13"x2.29"	34x34x30mm 2.13"x2.13"x2.29"	34x34x30mm 2.13"x2.13"x2.29"	34x34x30mm 2.13"x2.13"x2.29"	42 x 68 x 10 mm 2.5" x 1,5 x 0.8"
Nominal Power Handling	P DIN	80 W	120 W	120 W	80 W	80 W	80 W	120 W	120 W	80 W
Transient Power 10ms		500 W	1000 W	1000 W	500 W	500 W	500 W	1000 W	1000 W	500 W
Nominal Impedance	Z	8 Ohms	8 Ohms	8 Ohms	8 Ohms	8 Ohms	8 Ohms	8 Ohms	8 Ohms	8 W
Sensitivity 1W/1M		89 dB	90 dB	92 dB	89 dB	89 dB	88 dB	89 dB	91 dB	89 dB
Frequency Response		2200 - 20000 Hz	2200 - 20000 Hz	2200 - 20000 Hz	1800 - 25000 Hz	1800 - 25000 Hz	2200 - 20000 Hz	2200 - 20000 Hz	2200 - 20000 Hz	1800 - 25000 Hz
Resonant Frequency	FS	750 Hz	750 Hz	750 Hz	1000 Hz	650 Hz	750 Hz	750 Hz	750 Hz	1000 Hz
VOICE COIL										
Voice Coil Diameter	DIA	28mm (1.125")	28mm (1.125")	28mm (1.125")	28mm (1.125")	28mm (1.125")	28mm (1.125")	28mm (1.125")	28mm (1.125")	Ø 28mm (1.1")
Voice Coil Height		2.5mm (0.098")	2.7mm (0.106")	2.7mm (0.106")	2.5mm (0.098")	2.5mm (0.098")	2.5mm (0.098")	2.7mm (0.106")	2.7mm (0.106")	2.5mm (0.098")
Voice Coil Former		Aluminium	Aluminium	Aluminium	Aluminium	Aluminium	Aluminium	Aluminium	Aluminium	Aluminium
Voice Coil Wire		Copper	Hexatech aluminium	Hexatech aluminium	Copper	Copper	Copper	Hexatech aluminium	Hexatech aluminium	Copper
Number of Layers		2	2	2	2	2	2	2	2	2
DC Resistance	RE	5.2 Ohms	5.2 Ohms	5.2 Ohms	5.2 Ohms	5.2 Ohms	5.2 Ohms	5.2 Ohms	5.2 Ohms	5.2 W
VC Inductance @ 1KHz	LBM	0.06 mH	0.05 mH	0.06 mH	0.05 mh	0.05 mH	0.06 mH	0.05 mH	0.05 mH	0.05 mH
MAGNET SYSTEM										
Magnet System Type		Neodymium vented	Neodymium vented	Double neodym. vented	Neodymium	Neodymium Vented	Neodymium vented	Neodymium vented	Double neodym. vented	Neodymium
HE - Magnetic Gap Height	HE	2.5mm (0.098")	2.5mm (0.098")	2.5mm (0.098")	2.5mm (0.098")	2.5mm (0.098")	2.5mm (0.098")	2.5mm (0.098")	2.5mm (0.098")	2.5mm (0.098")
B Flux density	B	1.45T	1.4T	1.7T	1.4 T	1.4 T	1.4T	1.4T	1.7T	1.4T
BL Product	BXL	2.6 N.A	2.9 N.A	4.3 N.A	2.8 N.A	2.8 N.A	2.6 N.A	2.9 N.A	4.3 N.A	2.8 N.A
Max. Linear Excursion	X									
OPERATIONAL PARAMETERS										
Suspension compliance	CMS									
Mechanical Q Factor	QMS									
Electrical Q Factor	QES									
Total Q Factor	Q/T									
Mechanical Resistance	RMS									
Moving Mass	MMS	0.46gm.	0.46gm.	0.46gm.	0.47gm.	0.47gm.	0.46gm.	0.46 gm.	0.46gm.	0.47gm.
Equivalent Cas Air Load	VAS									
Cone / Dome Material		Hand treated fabric	Hand treated fabric	Hand treated fabric	Selected Soft Fabric	Selected Soft Fabric	Hand treated fabric	Hand treated fabric	Hand treated fabric	Selected Soft Fabric
Effective Piston Area	SD	7.0 cm²	6.0 cm²	7.0 cm²	6.0 cm²	6.0 cm²	7.0 cm²	7.0 cm²	7.0 cm²	6.0 cm²
Net Weight	Kg.	0.09 kg	0.09 kg	0.09 kg	0.08 kg.	0.09 kg	0.09 kg	0.09 kg	0.10 kg	0.080 Kg.

		tweeters 94mm					
SPECIFICATIONS		<u>MDT 29</u>	<u>DMS 29</u>	<u>MDT 30S</u>	<u>DMS 30S</u>	<u>MDT 37</u>	<u>DMS 37</u>
Overall Dimensions		Ø94mm x 27mm (3.7") x (1.06")	Ø94 x 37.5mm (3.7") x (1.47")	Ø94mm x 46mm (3.70") x (1.81")	Ø94mm x 46mm (3.7") x (1.808")	Ø94 x 58mm (3.7") x (2.28")	Ø94 x 58mm (3.7") x (2.28")
Nominal Power Handling	P DIN	80 W	80 W	200 W	200 W	200 W	200 W
Transient Power 10ms		1000 W	1000 W	1000 W	1000 W	1000 W	1000 W
Nominal Impedance	Z	8 Ohms	8 Ohms	8 Ohms	8 Ohms	8 Ohms	8 Ohms
Sensitivity 1W/1M		89 dB	90 dB	90 dB	90 dB	93 dB	93 dB
Frequency Response		1800 - 20000 Hz	1800 - 20000 Hz	1600 - 25000 Hz	1600 - 25000 Hz	1800 - 22000 Hz	1800 - 22000 Hz
Resonant Frequency	FS	900 Hz	1000 Hz	650 Hz	650 Hz	700 Hz	700 Hz
VOICE COIL							
Voice Coil Diameter	DIA	28mm (1.125")	28mm (1.125")	28mm (1.125")	OD 28mm (1.1")	28mm (1.1")	OD 28mm (1.1")
Voice Coil Height		2.5mm (0.098")	2.5mm (0.098")	2.7mm (0.106")	2.7mm (0.106")	2.7mm (0.106")	2.7mm (0.106")
Voice Coil Former		Aluminium	Aluminium	Aluminium	Aluminium	Aluminium	Aluminium
Voice Coil Wire		Copper	Copper	Hexatech Aluminium	Hexatech aluminium	Hexatech Aluminium	Hexatech aluminium
Number of Layers		2	2	2	2	2	2
DC Resistance	RE	5.2 Ohms	5.2 Ohms	5.2 Ohms	5.2 Ohms	5.2 Ohms	5.2 Ohms
VC Inductance @ 1KHz	LBM	0.05 mH	0.05 mH	0.09 mh	0.05 mH	0.09 mH	0.05 mH
MAGNET SYSTEM							
Magnet System Type		Ferrite	Ferrite magn. Shielded	Ferrite Vented Pole	Ferrite vented Pole magn. Shielded	Ferrite Vented	Ferrite vented pole, shielded
HE - Magnetic Gap Height	HE	2.5mm (0.098")	2.5mm (0.098")	2.5mm (0.098")	2.5mm (0.098")	2.5mm (0.098")	2.5mm (0.098")
B Flux density	B	1.45T	1.45T	1.5T	1.5T	1.5T	1.55T
BL Product	BXL	3.3 N.A	3.5 N.A	3.5 N.A	3.5 N.A	3.5 tm	3.5 N.A
Max. Linear Excursion	X						
OPERATIONAL PARAMETERS							
Suspension compliance	CMS						
Mechanical Q Factor	QMS						
Electrical Q Factor	QES						
Total Q Factor	Q/T						
Mechanical Resistance	RMS						
Moving Mass	MMS	0.5gm.	0.5gm.	0.44 gm.	0.44gm.	0.44 gm.	0.44gm.
Equivalent Cas Air Load	VAS						
Cone / Dome Material		Hand Treated Fabric	Hand treated fabric	Hand Treated Selected Fabric	Hand traeted selected Fabric	Hand Treated Selected Fabric	Hand treated selected soft fabric
Effective Piston Area	SD	6.0 cm²	6.0 cm²	6.0 cm²	6.0 cm²	6.0 cm²	6.0 cm²
Net Weight	Kg.	0.54 kg	0.65 kg	0.56 kg	0.66 kg	0.56 kg	0.66 kg

		tweeters 104mm				tweeters 110mm				130mm
SPECIFICATIONS		MDT 10	DMS 10	MDT 20	DMS 20	MDT 32S	DMS 32S	MDT 33	SUPREME 110	SUPREME 130
Overall Dimensions		Ø104 x 28,5mm (4.09") x (1.12")	Ø104 x 37,5mm (4.09") x (1.47")	Ø104 x 46,5mm (4.9") x (1.83")	Ø104 x 37,5mm (4.09") x (1.47")	Ø110 x 46mm (4.33") x (1.81")	Ø110 x 46mm (4.33") x (1.81")	Ø110 x 66mm (4.33") x (2.41")	Ø110mm x 50mm (5.12") x (2")	Ø130 x 50mm (5.12") x (2")
Nominal Power Handling	P DIN	80 W	80 W	120 W	120 W	200 W	200 W	200 W	220 W/12dB 120 W/6dB	220 W / 12dB xo 120W / 6dB xo
Transient Power 10ms		500 W	500 W	500 W	500 W	1000 W	1000 W	1000 W	1000 W	1000W
Nominal Impedance	Z	8 Ohms	8 Ohms	8 Ohms	8 Ohms	8 Ohms	8 Ohms	8 Ohms	8 Ohms	8Ω
Sensitivity 1W/1M		90 dB	90 dB	90 dB	90 dB	90 dB	90 dB	92.5 dB	91.5 dB	91.5 dB
Frequency Response		1800 - 25000 Hz	1800 - 25000 Hz	1600 - 25000 Hz	1600 - 25000 Hz	1600 - 25000 Hz	1600 - 25000 Hz	1800 - 20000 Hz	1600 - 22,000Hz	1400-22000Hz (limits 300-50,000Hz)
Resonant Frequency	FS	1000 Hz	1000 Hz	650 Hz	650 Hz	650 Hz	650 Hz	700 Hz + - 10%	680Hz 10%+/-	680 HZ ±10%
VOICE COIL										
Voice Coil Diameter	DIA	28mm (1.125")	OD 28mm (1.1")	28mm (1.125")	OD 28mm (1.1")	28mm (1.125")	OD 28mm (1.1")	28mm (1.1")	28mm (1.1/8")	28mm (1¼")
Voice Coil Height		2.5mm (0.098")	2.5mm (0.098")	2.5mm (0.098")	2.5mm (0.098")	2.7mm (0.106")	2.7mm (0.106")	2.7mm (0.106")	2.7mm (0.106")	2.7mm (0.106")
Voice Coil Former		Aluminium	Aluminium	Aluminium	Aluminium	Aluminium	Aluminium	Aluminium	Aluminum	Aluminum
Voice Coil Wire		Copper	Copper	Copper	Copper	Hexatech Aluminium	Hexatech aluminium	Hexatech Aluminium	Hexatech Aluminum	Hexatech Aluminum
Number of Layers		2	2	2	2	2	2	2	2	2
DC Resistance	RE	5.2 Ohms	5.2 Ohms	5.2 Ohms	5.2 Ohms	5.2 Ohms	5.2 Ohms	5.2 Ohms	5.2 Ohms	5.2Ω
VC Inductance @ 1KHz	LBM	0.05 mH	0.05 mH	0.05 mH	0.05 mH	0.09 mh	0.05 mH	0.09 mh	0.09 mH	0.09 mH
MAGNET SYSTEM										
Magnet System Type		Ferrite	Ferrite, shielded	Ferrite Vented Pole	Ferrite vented pole, shielded	Ferrite Vented Pole	Ferrite vented pole, shielded	Ferrite Triple system	Neodymium flat pancake design	Neodymium Flat Pancake Design
HE - Magnetic Gap Height	HE	2.5mm (0.098")	2.5mm (0.098")	2.5mm (0.098")	2.5mm (0.098")	2.5mm (0.098")	2.5mm (0.098")	2.5mm (0.098")	4.0mm (0.157")	4.0mm (0.157")
B Flux density	B	1.45T	1.45T	1.45T	1.45T	1.5T	1.5T	1.95T	Acuflex™ Coated soft Dome	Acuflex™ Coated Soft Dome
BL Product	BXL	3.5 N.A	3.5 N.A	3.5 N.A	3.5 N.A	3.5 N.A	3.5 N.A	6.3 N.A	0.52 Kg.	0.52
Max. Linear Excursion	X									
OPERATIONAL PARAMETERS										
Suspension compliance	CMS									
Mechanical Q Factor	QMS									
Electrical Q Factor	QES									
Total Q Factor	Q/T									
Mechanical Resistance	RMS									
Moving Mass	MMS	0.47gm.	0.47gm.	0.5 gm.	0.5gm.	0.44 gm.	0.447gm.	0.44 gm.	0.44 gm.	0.44 gm.
Equivalent Cas Air Load	VAS									
Cone / Dome Material		Selected Soft Fabric	Selected Soft Fabric	Selected Soft Fabric	Selected Soft Fabric	Hand Treated Selected Fabric	Hand treated selected Fabric	Hand Treated Selected Fabric	Hand Treated Selected Fabric	Hand Treated Selected Fabric
Effective Piston Area	SD	6.0 cm²	6.0 cm²	6.0 cm²	6.0 cm²	6.0 cm²	6.0 cm²	6.0 cm²	6.0 cm²	6.0 cm²
Net Weight	Kg.	0.65 kg	0.65 kg	0.55 kg	0.65 kg	0.56 kg	0.66 kg	1.2 kg	0.44 kg	0,51 kg

		Midrange
SPECIFICATIONS		MDM 55
Overall Dimensions		87x87x87mm 3.43x3.43x3.43
Nominal Power Handling	P DIN	200 W
Transient Power 10ms		1000 W
Nominal Impedance	Z	8 Ohms
Sensitivity 1W/1M		90.5 dB
Frequency Response		500-6500 Hz
Resonant Frequency	FS	380 Hz
VOICE COIL		
Voice Coil Diameter	DIA	54mm (2.125")
Voice Coil Height		6.0mm (0.23")
Voice Coil Former		Aluminium
Voice Coil Wire		Hexatech Aluminium
Number of Layers		2
DC Resistance	RE	6.3 Ohms
VC Inductance @ 1KHz	LBM	0.19 mh
MAGNET SYSTEM		
Magnet System Type		Neodymium Vented
HE - Magnetic Gap Height	HE	4.0mm (0.157")
B Flux density	B	0.90T
BL Product	BXL	5.2 NA
Max. Linear Excursion	X	+ 1 mm
OPERATIONAL PARAMETERS		
Suspension compliance	CMS	
Mechanical Q Factor	QMS	
Electrical Q Factor	QES	
Total Q Factor	Q/T	
Mechanical Resistance	RMS	
Moving Mass	MMS	2.2 gm.
Equivalent Cas Air Load	VAS	
Cone / Dome Material		Hand Treated Selected Fabric
Effective Piston Area	SD	28.0 cm²
Net Weight	Kg.	0.30 kg