



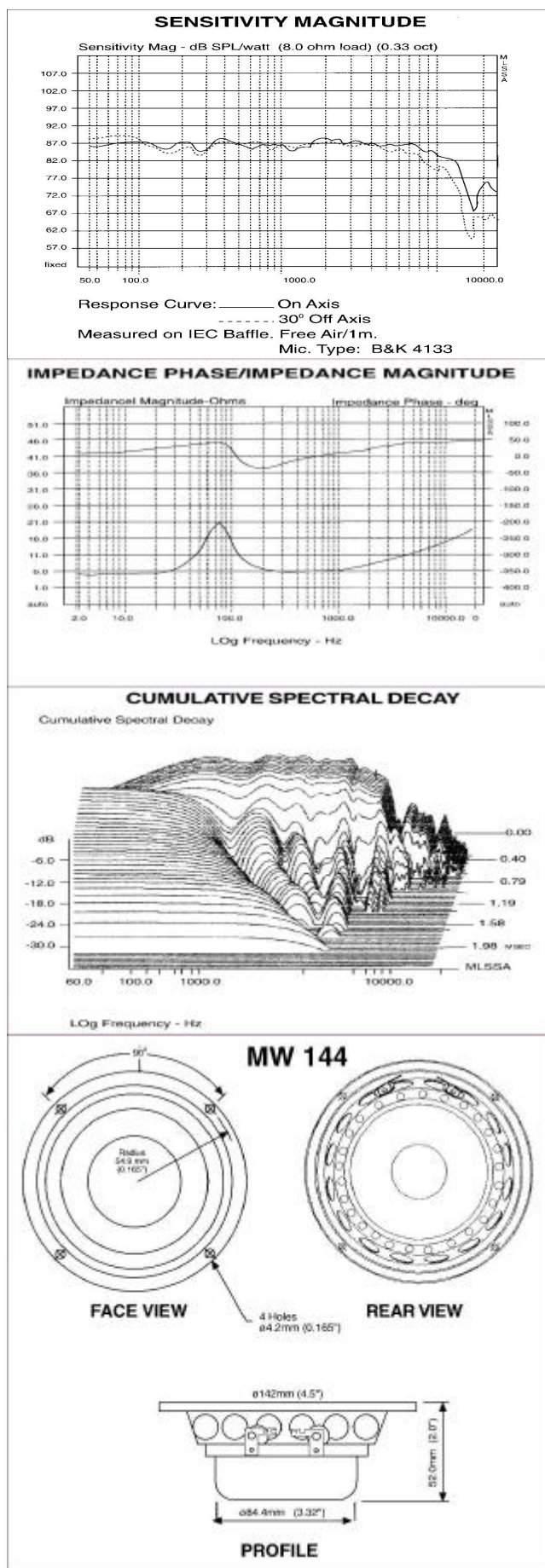
# MW 144

## 5" Bass-midrange driver

- DPC Cone
- Double Magnet system
- Large Hexatech Aluminium voice coil
- High power handling
- Double magnet system



SPECIFICATIONS		
Overall Dimensions		OD 142mm (5.5") x 60mm (2.36")
Nominal Power Handling (DIN)	P	150 W
Transient Power 10ms		1000 W
Nominal Impedance	Z	8 Ohm
Sensitivity 1W/1M		88 dB
Frequency Response		48 - 5000 Hz
Resonant Frequency	FS	45 Hz
VOICE COIL		
Voice Coil Diameter		75mm (3")
Voice Coil Height		12mm (0.47")
Voice Coil Former		Aluminium
Voice Coil Wire		Hexatech Aluminium
Number of Layers		2
DC Resistance	RE	5.2 Ohms
Voice Coil Inductance @ 1KHz	LBM	0.32 mH
MAGNET SYSTEM		
Magnet System Type		Double Magnet Ferrite
HE - Magnetic Gap Height	HB	5mm (2.36")
B Flux density	B	0.68T
BL Product	BXL	6.20 N.A
Max. Linear Excursion	X	+/- 3.5mm (0.137")
OPERATIONAL PARAMETERS		
Suspension compliance	CMS	1085
Mechanical Q Factor	QMS	1.710.46
Electrical Q Factor	QES	0.46
Total Q Factor	Q/T	0.36
Mechanical Resistance	RMS	1.887 Kg.
Moving Mass	MMS	11.40
Equivalent Gas Air Load	VAS	12.34 Litres
Cone / Dome Material		DPC Damped Polymer Composite
Effective Piston Area	S	90 cm <sup>2</sup>
Net Weight	Kg.	1.0 Kg.



This is a new 5" design, an improved version of the classic MW142, which has always been highly-regarded with an enviable reputation. Similar to the older version, this new design incorporates an extremely large diameter aluminium Hexatech voice coil for such a small unit. The chassis is a new type of particularly heavy pressed steel and is designed to allow the cone maximum freedom of movement, thanks to the addition of ventilator holes under the suspension. This is a great improvement to the older versions. A fine woofer for small but dynamic and powerful 2-way and as midrange in bigger multi way systems.