



EW 638

Elite Woofer,

Ø 6", Ø 3" voicecoil, 8Ω



SPECIFICATIONS

General Data

Overall Dimensions	DxH	160mm(6.3")x69mm(2.71")
Nominal Power Handling (DIN)	P	150W
Transient Power 10ms		1000W
Sensitivity 2.83V/1M		87dB SPL
Frequency Response		See graph
Cone Material		Damped Polymer Composite
Net Weight	Kg	1.2

Electrical Data

Nominal Impedance	Z	8Ω
DC Resistance	Re	5Ω
Voice Coil Inductance @ 1KHz	LBM	0.52mH

Voice Coil and Magnet Parameters

Voice Coil Diameter	DIA	75mm
Voice Coil Height		18mm
HE Magnetic Gap Height	HE	6mm
Max. Linear Excursion	X	± 6mm
Voice Coil Former		Aluminum
Voice Coil Wire		Hexatech™ Aluminum
Number Of Layers		2
Magnet System Type		Hybrid™ Neodymium/Ferrite
B Flux Density	B	0.85 T
BL Product	BXL	7.05 N.A

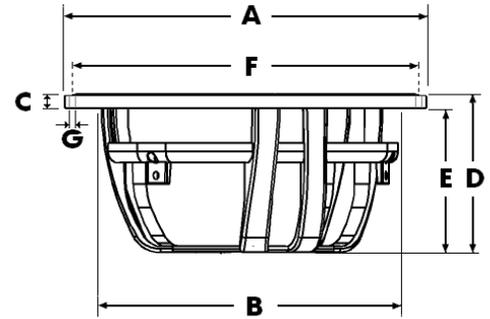
T-S Parameters

		Small Signal	1 V
Suspension Compliance	Cms	1.062 mm/N	
Mechanical Q Factor	Qms	1.71	
Electrical Q Factor	Qes	0.39	
Total Q Factor	Qts	0.32	
Mechanical Resistance	Rms	2.26 Kg/s	
Moving Mass	Mms	16 g	
Eq. Cas Air Load (liters)	VAS	20.28 Lt	
Resonant Frequency	Fs	39 Hz	
Effective Piston Area	SD	119 cm ²	

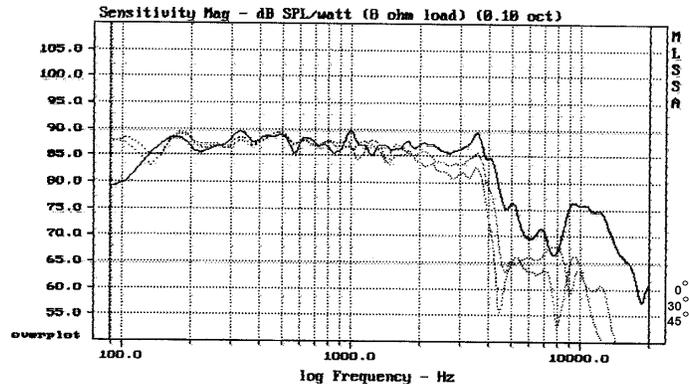
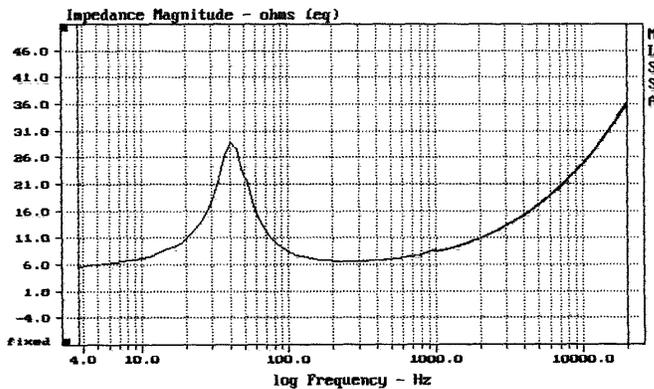
FEATURES

- * Uniflow™ Aluminum diecast chassis
- * Hybrid™ Neodymium/Ferrite magnet system
- * 3" Large Hexatech™ Aluminum voice coil
- * High power handling
- * High Xmax, Low Qts, Low Fs

Unit Dimensions



A - Overall diameter	160mm
B - Cut out diameter	140mm
C - Flange thickness	6mm
D - Overall height	69mm
E - Basket depth	63mm
F - Mounting holes location diameter	152mm
G - 6 Mounting holes, at 60° interval, inner hole diameter	Ø 4.2mm



Measured on IEC baffle using Bruel & Kjaer 3144 model microphone.

Morel operate policy of continuous product design improvement, consequently specifications are subject to alteration without prior notice.