



ECW 638

Elite Coppersleeve Woofer,
 Ø 6", Ø 3" voicecoil, 8Ω



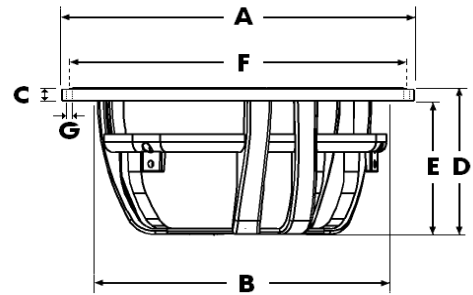
SPECIFICATIONS

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		88dB 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	0.26mH
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	0.8 T
BL Product	BXL	7.45 N.A
T-S Parameters		
Suspension Compliance	Cms	0.994 mm/N
Mechanical Q Factor	Qms	1.42
Electrical Q Factor	Qes	0.36
Total Q Factor	Qts	0.29
Mechanical Resistance	Rms	2.82 Kg/s
Moving Mass	Mms	16 g
Eq. Cas Air Load (liters)	VAS	19 Lt
Resonant Frequency	Fs	39 Hz
Effective Piston Area	SD	119 cm ²

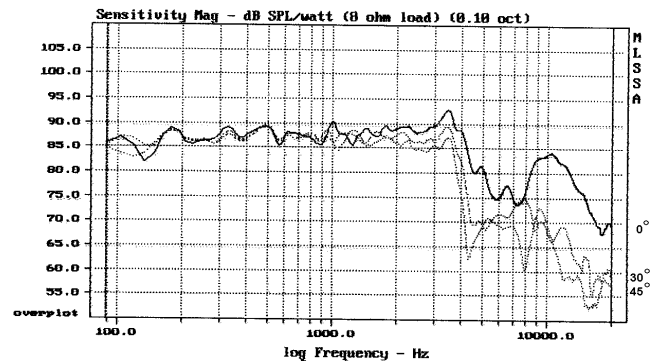
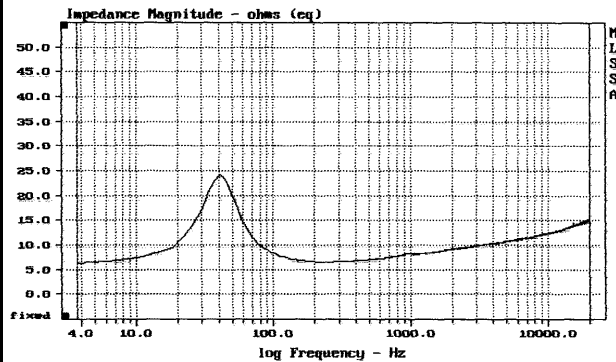
FEATURES

- * Uniflow™ Aluminum diecast chassis
- * Hybrid™ Neodymium/Ferrite magnet system
- * Copper insulated center pole
- * 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.