

## **EW 638**

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



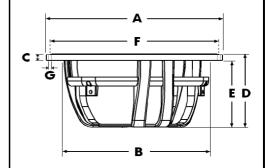
## **SPECIFICATIONS**

General Data			
Overall Dimensions	DxH	160mm(6.3")x69mm(2.71")	
Nominal Power Handling (DIN)	Р	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	В	0.85 T	
BL Product	BXL	7.05 N.A	
T-S Parameters			
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		2.26 Kg/s	
Moving Mass	Mms		
Eq. Cas Air Load (liters)	VAS	20.28 Lt	
Resonant Frequency	Fs	39 Hz	
Effective Piston Area	SD	119 cm <sup>2</sup>	
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## **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

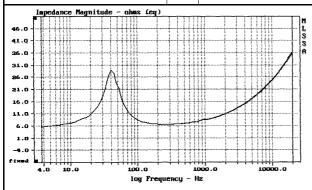
## **Unit Dimensions**

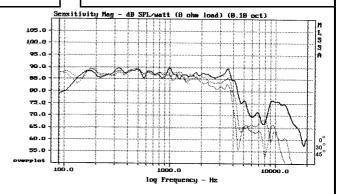


A - Overall diameter	160mm
B - Cut out diameter	140mm
C - Flange thickness	6mm
<b>D</b> - Overall height	69mm
E - Basket depth	63mm
F - Mounting holes location diameter	152mm

**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.