

## **CAW 638**

Classic Advanced Woofer,  $\emptyset$  6",  $\emptyset$  3" voicecoil,  $8\Omega$ 



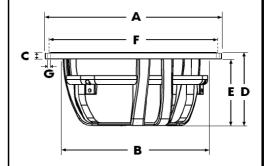
## **SPECIFICATIONS**

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		86 dB SPL	
Frequency Response		See graph	
Cone Material		Damped Polymer Composite	
Net Weight	Kg	1.2	
Electrical Data			
Nominal Impedance	Z	8Ω	
DC Resistance	Re	6.4Ω	
Voice Coil Inductance @ 1KHz	LBM	0.63mH	
Voice Coil and Magnet Parameters			
Voice Coil Diameter	DIA	75mm	
Voice Coil Height		14.5mm	
HE Magnetic Gap Height	HE	6mm	
Max. Linear Excursion	X	± 4.25mm	
Voice Coil Former		Aluminum	
Voice Coil Wire		Hexatech™ Aluminum	
Number Of Layers		2	
Magnet System Type		High flux double ferrite vented	
B Flux Density	В	0.72 T	
BL Product	BXL	7.3 N.A	
T-S Parameters			
Suspension Compliance		0.792 mm/N	
Mechanical Q Factor	Qms	2.2	
Electrical Q Factor	Qes	0.58	
Total Q Factor	Qts	0.46	
Mechanical Resistance	Rms	2.040 Kg/s	
Moving Mass	Mms		
Eq. Cas Air Load (liters)		15.7 Lt	
Resonant Frequency	Fs	43 Hz	
Effective Piston Area	SD	119 cm <sup>2</sup>	

## **FEATURES**

- \* Uniflow™ Aluminum diecast chassis
- \* High flux ferrite double magnet system
- \* 3" Large Hexatech™ Aluminum voice coil
- \* High power handling
- \* Shallow profile D.P.C cone
- \* Improved parameteres

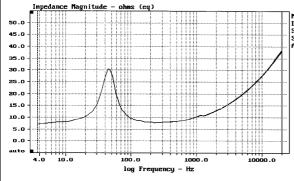
## **Unit Dimensions**

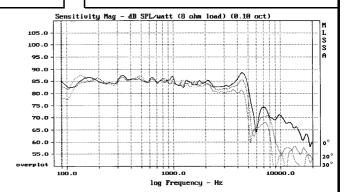


A - Overall diameter	160mm
B - Cut out diameter	140mm
C - Flange thickness	6mm
<b>D</b> - Overall height	69mm
E - Basket depth	63mm
F - Mounting holes location diameter	152mm

**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.