



## CAW 538

Classic Advanced Woofer,  
Ø 5", Ø 3" voicecoil, 8Ω

### SPECIFICATIONS

#### General Data

Overall Dimensions	<b>DxH</b>	143mm(5.63")x65mm(2.55")
Nominal Power Handling (DIN)	<b>P</b>	150W
Transient Power 10ms		1000W
Sensitivity 2.83V/1M		86 dB SPL
Frequency Response		See graph
Cone Material		Damped Polymer Composite
Net Weight	<b>Kg</b>	1.12

#### Electrical Data

Nominal Impedance	<b>Z</b>	8Ω
DC Resistance	<b>Re</b>	5.2Ω
Voice Coil Inductance @ 1KHz	<b>LBM</b>	0.47mH

#### Voice Coil and Magnet Parameters

Voice Coil Diameter	<b>DIA</b>	75mm
Voice Coil Height		12mm
HE Magnetic Gap Height	<b>HE</b>	6mm
Max. Linear Excursion	<b>X</b>	± 3mm
Voice Coil Former		Aluminum
Voice Coil Wire		Hexatech™ Aluminum
Number Of Layers		2
Magnet System Type		High flux double ferrite vented
B Flux Density	<b>B</b>	0.72 T
BL Product	<b>BXL</b>	6.9N.A

#### T-S Parameters

#### Small Signal

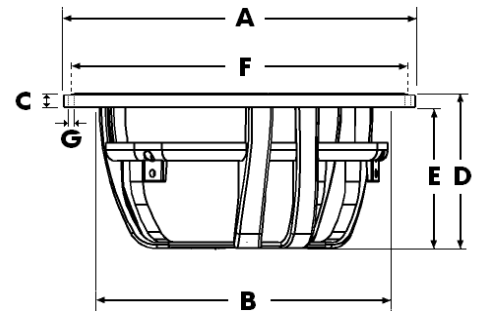
#### 1 V

Suspension Compliance	<b>Cms</b>	0.72 mm/N	
Mechanical Q Factor	<b>Qms</b>	1.83	
Electrical Q Factor	<b>Qes</b>	0.48	
Total Q Factor	<b>Qts</b>	0.38	
Mechanical Resistance	<b>Rms</b>	2.39 Kg/s	
Moving Mass	<b>Mms</b>	14 g	
Eq. Cas Air Load (liters)	<b>VAS</b>	8.2 Lt	
Resonant Frequency	<b>Fs</b>	49 Hz	
Effective Piston Area	<b>SD</b>	90 cm <sup>2</sup>	

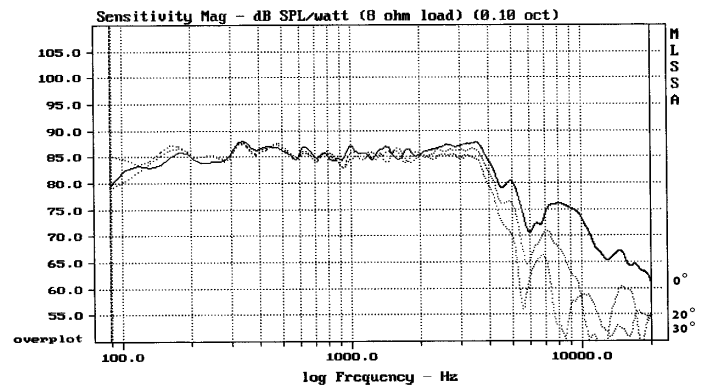
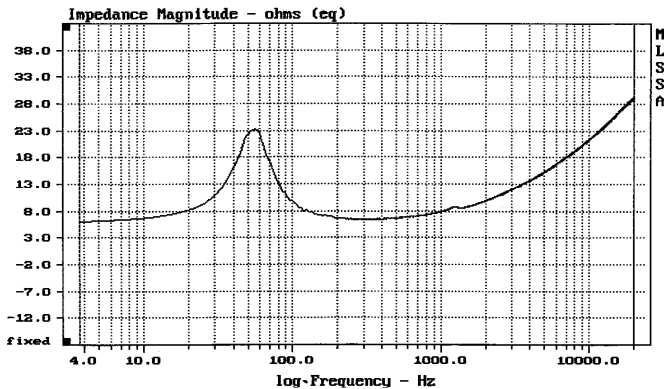
#### FEATURES

- \* 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	143mm
B - Cut out diameter	121mm
C - Flange thickness	5mm
D - Overall height	65mm
E - Basket depth	60mm
F - Mounting holes location diameter	135mm
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.