



# CAW 538

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



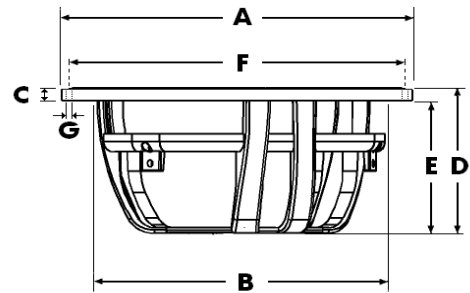
## SPECIFICATIONS

Genral 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 1W/1M		86 dB SPL
Frequency Response		35-3500 Hz
Cone/Dome 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		
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>

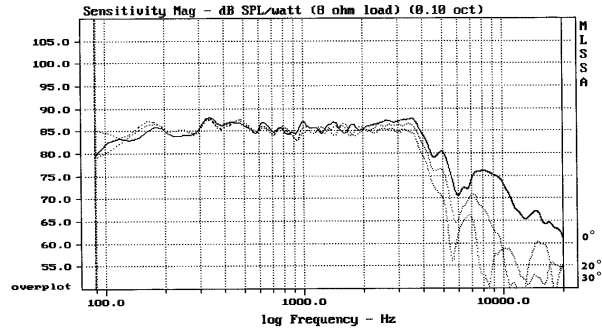
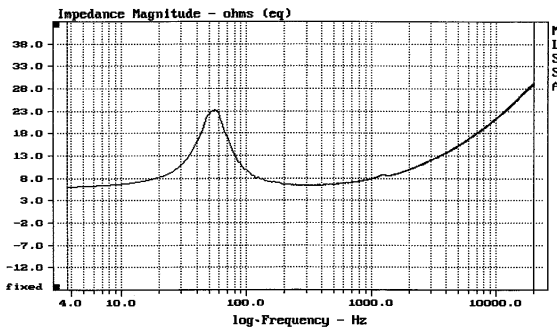
## FEATURES

- \* 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 parameters

## Unit Dimentions



- 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



This model replaces former Morel MW-144 model.

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