



# ECW 536

Elite Coppersleeve Woofer,  
 Ø 5", Ø 3" voicecoil, 6Ω



## 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		86dB SPL
Frequency Response		See graph
Cone Material		Damped Polymer Composite
Net Weight	<b>Kg</b>	1.12

### Electrical Data

Nominal Impedance	<b>Z</b>	6Ω
DC Resistance	<b>Re</b>	4.5Ω
Voice Coil Inductance @ 1KHz	<b>LBM</b>	0.28mH

### Voice Coil and Magnet Parameters

Voice Coil Diameter	<b>DIA</b>	75mm
Voice Coil Height		16mm
HE Magnetic Gap Height	<b>HE</b>	5mm
Max. Linear Excursion	<b>X</b>	± 5.5mm
Voice Coil Former		Aluminum
Voice Coil Wire		Hexatech™ Aluminum
Number Of Layers		2
Magnet System Type		Hybrid™ Neodymium/Ferrite
B Flux Density	<b>B</b>	0.87 T
BL Product	<b>BXL</b>	6.83 N.A

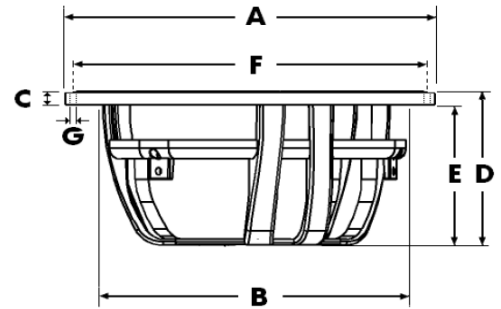
### T-S Parameters

Suspension Compliance	<b>Cms</b>	0.861 mm/N
Mechanical Q Factor	<b>Qms</b>	1.55
Electrical Q Factor	<b>Qes</b>	0.39
Total Q Factor	<b>Qts</b>	0.31
Mechanical Resistance	<b>Rms</b>	2.66 Kg/s
Moving Mass	<b>Mms</b>	14.8 g
Eq. Cas Air Load (liters)	<b>VAS</b>	11 Lt
Resonant Frequency	<b>Fs</b>	45 Hz
Effective Piston Area	<b>SD</b>	88 cm <sup>2</sup>

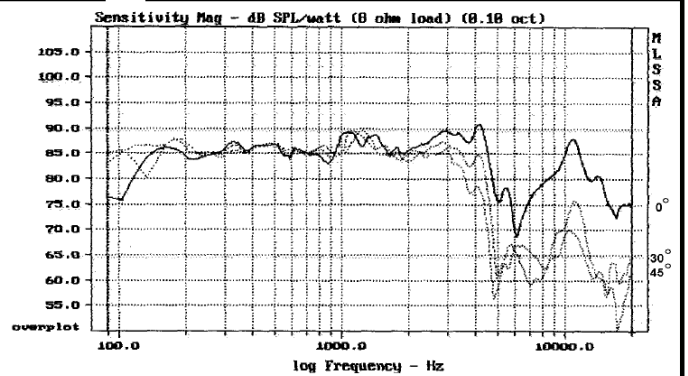
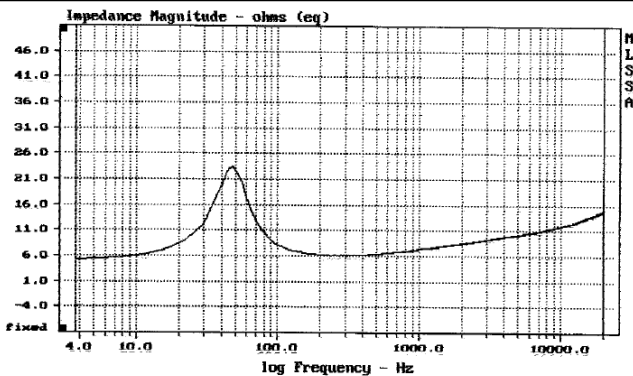
### FEATURES

- \* 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 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.