



CAW 638

Classic Advanced Woofer,
 Ø 6", Ø 3" voicecoil, 8Ω



SPECIFICATIONS

General Data

Overall Dimensions	DxH	160mmx69mm
Nominal Power Handling (DIN)	P	150W
Transient Power 10ms		1000W
Sensitivity 1W/1M		86 dB SPL
Frequency Response		30-5000 Hz
Cone/Dome 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	B	0.72 T
BL Product	BXL	7.3 N.A

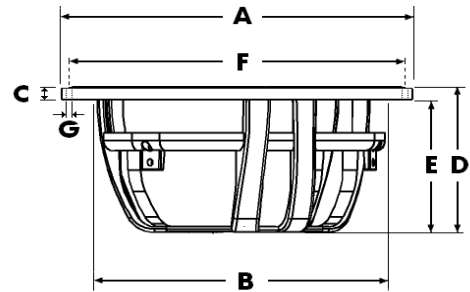
T-S Parameters

Suspension Compliance	Cms	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	16 g
Eq. Cas Air Load (liters)	VAS	15.7 Lt
Resonant Frequency	Fs	43 Hz
Effective Piston Area	SD	119 cm ²

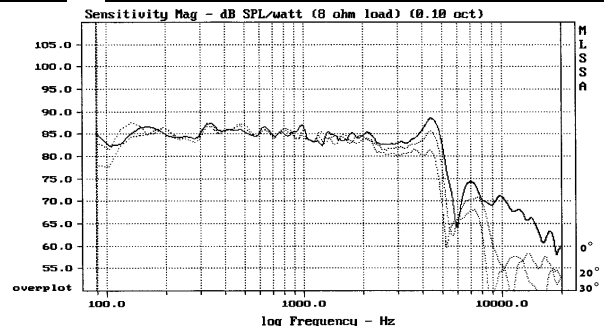
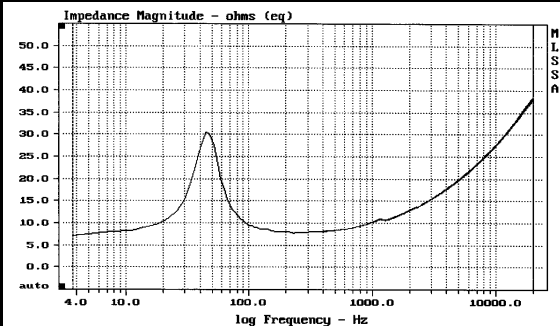
FEATURES

- * 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 Dimensions



- A** - Overall diameter 160mm
- B** - Cut out diameter 140mm
- C** - Flange thickness 6mm
- D** - 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



This model replaces former Morel MW-166 and MW168 models.

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