



CAW 638

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

SPECIFICATIONS

General Data

| | | |
|------------------------------|------------|--------------------------|
| Overall Dimensions | DxH | 160mm(6.3")x69mm(2.71") |
| Nominal Power Handling (DIN) | P | 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 | B | 0.72 T |
| BL Product | BXL | 7.3 N.A |

T-S Parameters

Small Signal

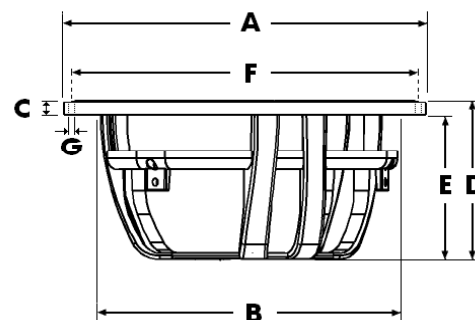
1 V

| | | | |
|---------------------------|------------|---------------------|--|
| 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 | |

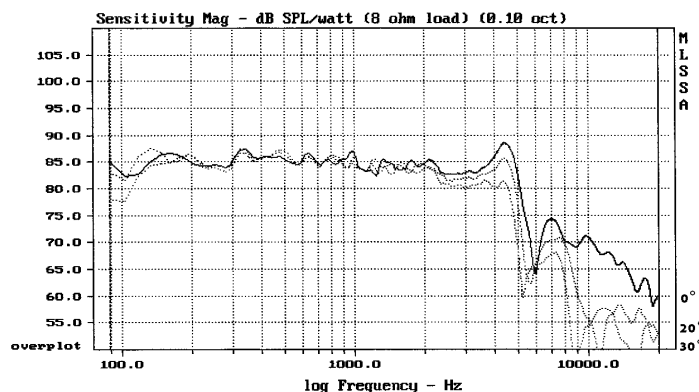
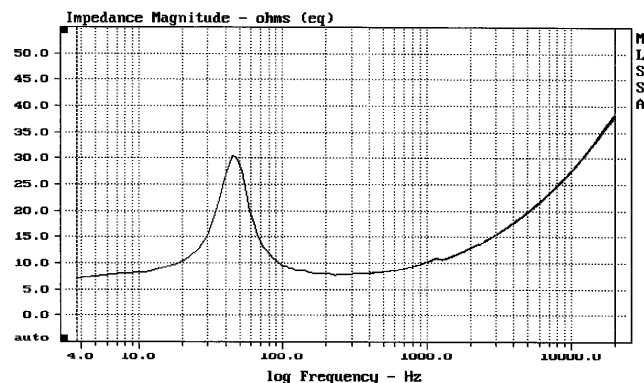
FEATURES

- * 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 parameteres

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 |



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.