



NEW



# TiW 638Ft

## Titanium Advanced Woofer

Ø 6", Ø 3" voice coil, 8Ω

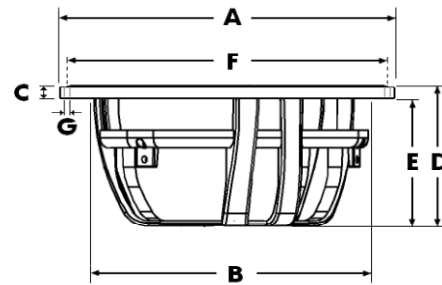
### SPECIFICATIONS

General Data			
Overall Dimensions	<b>DxH</b>	160mm (6.3") x 69mm (2.71")	
Nominal Power Handling (DIN)	<b>P</b>	150W	
Transient Power 10ms		1000W	
Sensitivity 2.83V/1M		86dB	
Frequency Response		See graph	
Cone Material		Damped Polymer Composite	
Net Weight	<b>Kg</b>	1.2 Kg	
Electrical Data			
Nominal Impedance	<b>Z</b>	8Ω	
DC Resistance	<b>Re</b>	5.40Ω	
Voice Coil Inductance @ 1KHz	<b>LBM</b>	0.63 mH	
Voice Coil and Magnet Parameters			
Voice Coil Diameter	<b>DIA</b>	75 mm (3")	
Voice Coil Height		14.5 mm (0.62")	
HE Magnetic Gap Height	<b>HE</b>	6 mm (0.20")	
Max. Linear Excursion	<b>X</b>	± 4.25mm	
Voice Coil bobbin		Titanium	
Voice Coil Wire		Hexatech™ Aluminum	
Number Of Layers		2	
Magnet System Type		Double Magnet Ferrite	
B Flux Density	<b>B</b>	0.66 T	
BL Product	<b>BXL</b>	7.3 N.A	
T-S Parameters		Small Signal	1 V
Suspension Compliance	<b>Cms</b>	0.998 mm/N	1.308 mm/N
Mechanical Q Factor	<b>Qms</b>	3.96	4.63
Electrical Q Factor	<b>Qes</b>	0.47	0.50
Total Q Factor	<b>Qts</b>	0.42	0.45
Mechanical Resistance	<b>Rms</b>	1.005 Ωm	0.743 Ωm
Moving Mass	<b>Mms</b>	15.5 gr	
Eq. Cas Air Load (liters)	<b>VAS</b>	19.7 Lt.	25.8 Lt.
Resonant Frequency	<b>Fs</b>	40 Hz	35 Hz
Effective Piston Area	<b>SD</b>	119 cm <sup>2</sup>	

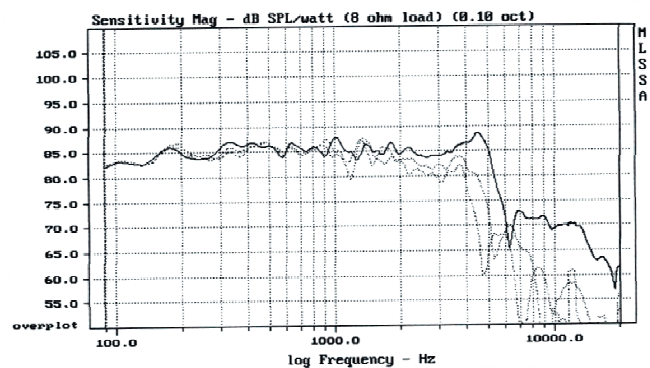
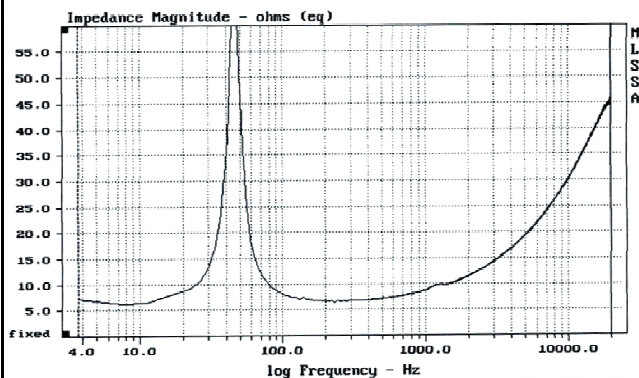
### FEATURES

- \* Uniflow™ Aluminum diecast chassis
- \* Double Magnet Ferrite system
- \* Titanium coil bobbin
- \* 3" Large Hexatech™ Aluminum voice coil
- \* High power handling
- \* High Xmax, Low Qts, Low Fs, High QMS

### Unit Dimentions



- A** - Overall diameter 160mm
- B** - Cut out diameter 140mm
- C** - Flange thickness 6mm
- D** - Overall height 69mm
- E** - Basket + magnet 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.