TiCW 638Nd

Titanium Advanced Woofer

Ø 6", Ø 3" voicecoil, 8Ω

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SPECIFICATIONS

General Data		
Overall Dimensions	**DxH**	160mm (6.3") x 69mm (2.71")
Nominal Power Handling (DIN)	**P**	150W
Transient Power 10ms		1000W
Sensitivity 2.83V / 1M		87dB
Frequency Response		See graph
Cone Material		Injected Damped Polymer Composite
Net Weight	**Kg**	1.2 Kg

Electrical Data		
Nominal Impedance	**Z**	8Ω
DC Resistance	**Re**	5.40Ω
Voice Coil Inductance @ 1KHz	**LBM**	0.32 mH

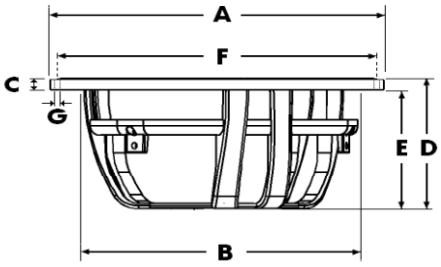
Voice Coil and Magnet Parameters		
Voice Coil Diameter	**DIA**	75 mm (3")
Voice Coil Height		15.5 mm (0.62")
HE Magnetic Gap Height	**HE**	5 mm (0.20")
Max. Linear Excursion	**X**	± 5.25mm
Voice Coil bobbin		Titanium
Voice Coil Wire		Hexatech™ Aluminum
Number Of Layers		2
Magnet System Type		Hybrid™ Neodymium/Ferrite
B Flux Density	**B**	0.78 T
BL Product	**BXL**	7.5 T.m

T-S Parameters		Small Signal	1 V
Suspension Compliance	**Cms**	0.70 mm/N	1.46 mm/N
Mechanical Q Factor	**Qms**	4.68	2.47
Electrical Q Factor	**Qes**	0.47	0.32
Total Q Factor	**Qts**	0.42	0.29
Mechanical Resistance	**Rms**	1.073 Ωm	1.339 Ωm
Moving Mass	**Mms**	16.80 gr	16.80 gr
Eq. Cas Air Load (liters)	**VAS**	14 Lt.	29 Lt.
Resonant Frequency	**Fs**	45 Hz	33 Hz
Effective Piston Area	**SD**	119 cm ²	119 cm ²

FEATURES

* Uniflow™ Aluminum diecast chassis
* Hybrid™ Neodymium/Ferrite magnet system
* Coppersleeve Neoli™ Motor
* 3" Large Hexatech™ Aluminum voice coil
* Titanium coil bobbin
* 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 60º interval, inner hole diameter	Ø 4.2mm

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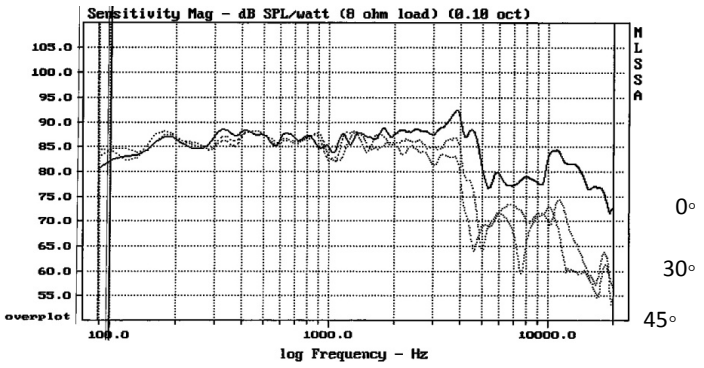

Measured on IEC baffle using Bruel & Kjaer 3144 model microphone.

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