



# TiCW 1258Ft

## Titanium Ultimate Woofer

Ø 12", Ø 5.1" voicecoil, 8Ω



### SPECIFICATIONS

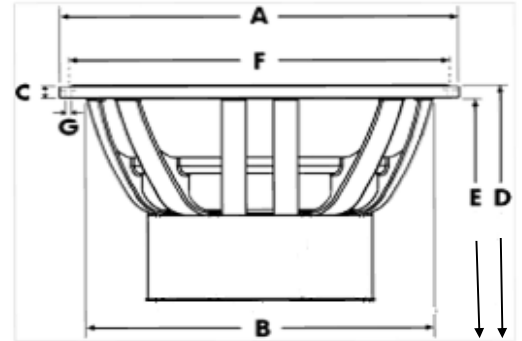
General Data		
Overall Dimensions	<b>DxH</b>	305mmx146.3mm(12"x6.07")
Nominal Power Handling (DIN)	<b>P</b>	600W
Transient Power 10ms		3000W
Sensitivity 2.83V / 1M		88dB
Frequency Response		Ssee Graph
Cone Material		Composite cellular fiber
Net Weight	<b>Kg</b>	7.0Kg

Electrical Data		
Nominal Impedance	<b>Z</b>	8.0 Ohm
DC Resistance	<b>Re</b>	7.2 Ohm
Voice Coil Inductance @ 1KHz	<b>LBM</b>	0.62mH

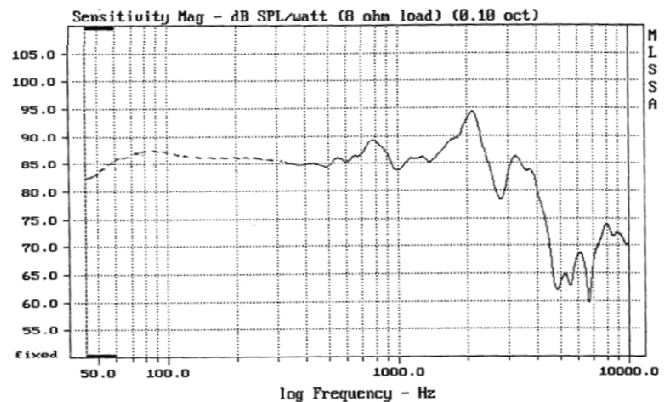
Voice Coil and Magnet Parameters		
Voice Coil Diameter	<b>DIA</b>	130 mm (5.1")
Voice Coil Height		33 mm (1.34")
HE Magnetic Gap Height	<b>HE</b>	12 mm (0.47")
Max. Linear Excursion	<b>X</b>	10.5 mm (0.41")
Voice Coil bobbin		Titanium
Voice Coil Wire		Hexatech™ Aluminum
Number Of Layers		2
Magnet System Type		High Flux Double Ferrite Vented
B Flux Density	<b>B</b>	0.60T
BL Product	<b>BXL</b>	16.56 N.A

T-S Parameters			1v
Suspension Compliance	<b>Cms</b>		0.77 mm/N
Mechanical Q Factor	<b>Qms</b>		3.35
Electrical Q Factor	<b>Qes</b>		0.29
Total Q Factor	<b>Qts</b>		0.27
Mechanical Resistance	<b>Rms</b>		3.39 kg/s
Moving Mass	<b>Mms</b>		101gr
Eq. Cas Air Load (liters)	<b>VAS</b>		191 Lt.
Resonant Frequency	<b>Fs</b>		18 Hz
Effective Piston Area	<b>SD</b>		415 cm <sup>2</sup>

- ### FEATURES
- \* Uniflow™ Aluminum diecast chassis
  - \* High flux double Ferrite magnet system
  - \* Coppersleeve Neolin Motor
  - \* 5.1" Large Hexatech™ Aluminum voice coil
  - \* Titanium coil bobbin
  - \* One piece paper cone/center dome
  - \* Accucenter™ self centering cone assembly



A - Overall diameter	305 mm (12.0")
B - Cut out diameter	270 mm (10.6")
C - Flange thickness	6.3 mm (0.24")
D - Overall height	150 mm (5.9")
E - Basket/magnet depth	143 mm (5.62")
F - Mounting holes location diameter	292 mm (11.4")
G - 6 Mounting holes, at 60° interval, inner hole diameter	Ø 6mm (0.23")



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

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