



NEW



# TiCW 1058Ft

## Titanium Ultimate Woofer

Ø 10", Ø 5.1" voicecoil, 8Ω

### SPECIFICATIONS

#### General Data

Overall Dimensions	<b>DxH</b>	263mmx148.5mm(10.35"x5.84")
Nominal Power Handling (DIN)	<b>P</b>	600W
Transient Power 10ms		3,000W
Sensitivity 2.83V / 1M		87 dB SPL
Frequency Response		See graph
Cone Material		Composite cellular fiber
Net Weight	<b>Kg</b>	7.0 kg

#### Electrical Data

Nominal Impedance	<b>Z</b>	8Ω
DC Resistance	<b>Re</b>	6.3Ω
Voice Coil Inductance @ 1KHz	<b>LBM</b>	0.52 mH

#### Voice Coil and Magnet Parameters

Voice Coil Diameter	<b>DIA</b>	130 mm (5.1")
Voice Coil Height		33 mm (1.4")
HE Magnetic Gap Height	<b>HE</b>	12 mm (0.47")
Max. Linear Excursion	<b>X</b>	± 10.5mm (0.45")
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>	0.62 T
BL Product	<b>BXL</b>	15.7 N.A

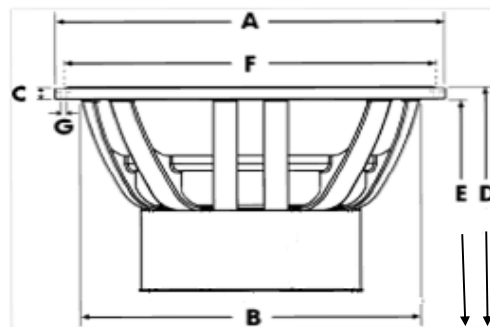
#### T-S Parameters

		Small Signal	1v
Suspension Compliance	<b>Cms</b>		0.48 mm/N
Mechanical Q Factor	<b>Qms</b>		3.58
Electrical Q Factor	<b>Qes</b>		0.35
Total Q Factor	<b>Qts</b>		0.3
Mechanical Resistance	<b>Rms</b>		3.6 kg/s
Moving Mass	<b>Mms</b>		81.2 gr
Eq. Cas Air Load (liters)	<b>VAS</b>		82.0 Lt.
Resonant Frequency	<b>Fs</b>		25 Hz
Effective Piston Area	<b>SD</b>		343 cm <sup>2</sup>

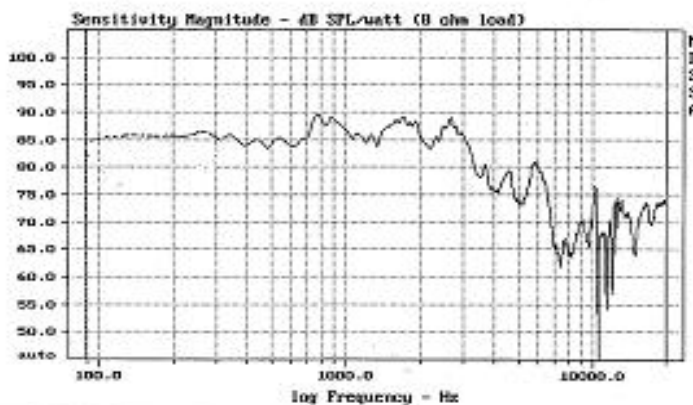
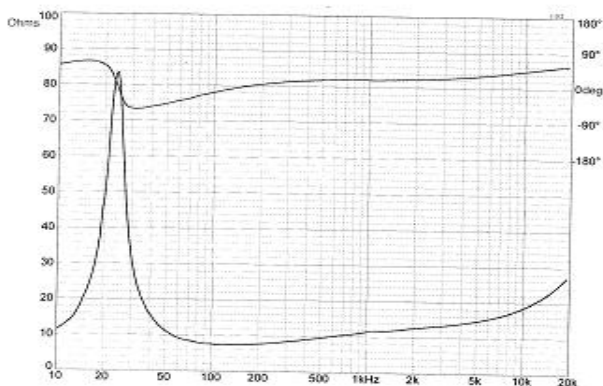
#### FEATURES

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

#### Unit Dimintions



A - Overall diameter	263mm
B - Cut out diameter	241mm
C - Flange thickness	6.5mm
D - Overall height	148.5mm
E - Basket/magnet depth	142mm
F - Mounting holes location diamet	253mm
G - 6 Mounting holes, at 60° interval, inner hole diameter	Ø 5mm



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.