REDCATT®

APPLICATION:

• Ideal for sealed or vented two-way and multi-way high quality audio designs. Example: studio monitors or hi-fi products.

101FHW

Ordering code: 101FHW-118

Ferrite Sub-Woofer

Cont. Power	Sens.	Fs	Freq. Range	VC Dia.	VC Wire	Cone/Surround/Dome	Magnet type
200 watts	86 dB	19 Hz	14 Hz - 2,000 Hz	2.0"	Copper	Paper/ Rubber	Ferrite

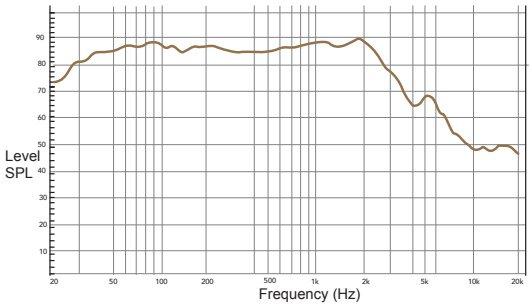
The 101FHW is a high effciency, (86dB 1watt / 1 meter) 10-inch woofer speaker with extended low frequency re-sponse and high power handling capability. The 101FHW uses a strong glass fbre reinforced paper cone assembly along with a single roll rubber surround. Spider is Nomex material with stitched-in tinsel wires. This ensures long lasting perfor-mance even in high powered applications. The chosen material combination provides remarkable strength, high effciency and sustained output under ex-treme conditions.

The 101FHW cone and dust cap are made using glass fbre loaded paper pulp. All "soft" parts are bonded together using state of the art high temperature adhesives. Met-al parts in the speaker assembly are coated for extreme weatherization protec-tion. Speaker push terminals are gold plated to ensure the best connection.

General Specifications

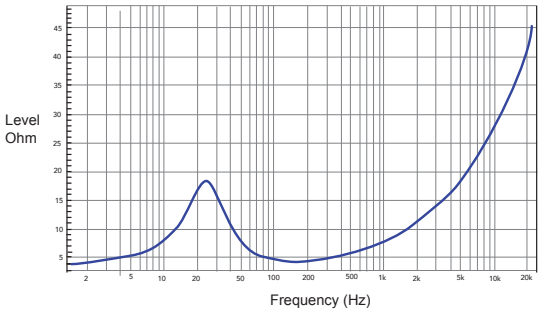
Nominal Diameter:	254 mm (10 in.)
Rated Impedance:	4 ohm
Power Handling:	
AES Power:	100 Watts
Power Compression @-10dB	0.7dB
Power Compression @-10dB	1.2dB
Power Compression @Max Power	2.3dB
Maximum Recommended Xover Freq.:	1,800 Hz
Recommended Enclosure Volume:	15 - 30 Liters
Cone Design:	Exp. Gmtry, 1REDCATT pulp
Front Plate Thickness:	8 mm
Winding Height:	32.5 mm
Fs	19 Hz
Re	3.68 Ohm
Sd	345 cm^2 (53.5 $in.^2$)
Qms	1.99
Qes	0.47
Qts	0.38
Vas	41.8 Liters
Mms	95 g
BL product (force factor)	12.9 Tm
Peak to peak displacement (mm)	36 mm
Le (mH @1kHz)	0.65
Overall diameter	269 mm (10.6 in.)
No. of mounting holes	8
Bolt circle diameter	257 mm (10.12 in.)
Front mount baffle cutout dia.	238mm (9.37 in.) Nominal
Rear mount baffle cutout diameter	230 mm (9.1 in.) Nominal
Total depth	116 mm (4.57 in.)
Flange and gasket thickness	-- --
Net weight	5.2 kg (11.5 lbs.)
Shipping weight	6.1 kg (13 lbs.)
Packing Dimensions	30x30x16cm (11.8x11.8x6.3 in.)

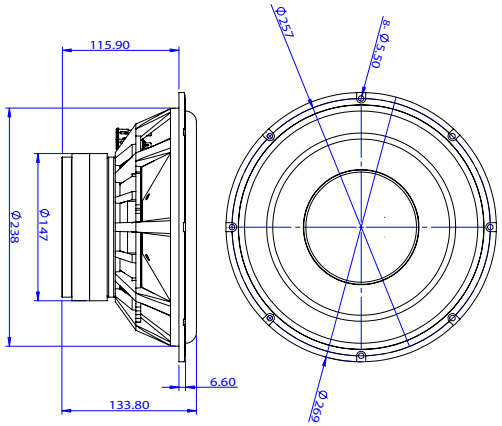
Frequency Response



Frequency response measurement with transducer mounted in a 25 liter vented enclosure tuned to 35Hz

Impedance Response





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