FANE ACOUSTICS

ASCENSION SERIES

// ASCENSION A90

12-Inch Guitar Loudspeaker

GENERAL SPECIFICATIONS (8Ω Model)

Nominal Chassis Diameter	12" / 304.8 mm
Impedance	8 / 16 Ω
Power Rating**	90 Watts
Frequency Range	70 Hz - 5 kHz
Sensitivity (1 w - 1 m)	100 dB
Magnet Weight	1 Kg / 35.27 oz
Magnetic Gap Depth	8 mm / 0.31"
Flux Density	1.4 Tesla
Coil Winding Height	11 mm / 0.43"
Voice Coil Diameter	44.45 mm / 1.75"

MATERIALS OF CONSTRUCTION

Voice Coil Material	Copper
Former Material	Glass Fibre
Magnet Material	Alnico
Chassis Material	Pressed Steel
Cone Material	Paper
Front Gasket Material	Foam
Surround / Edge Termination	Paper
Dust Dome	Fabric
Connectors	Solder Tabs

MOUNTING INFORMATION

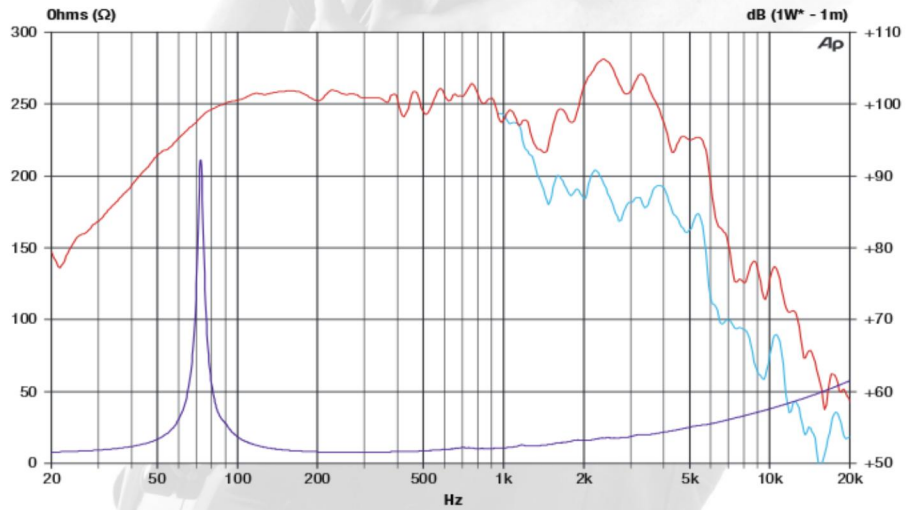
Overall Diameter	309 mm / 12.17"
Flange Height	5 mm / 0.20"
Overall Depth	166.5 mm / 6.56"
Magnet Structure Diameter	102 mm / 4.02"
Gasket(s) Supplied	Front & Rear
Baffle Cut-out Diameter	284 mm / 11.18"
Mounting Hole Information	4 x ø8mm on 297 mm PCD
Nett Weight	4.1 Kg / 9.04 lb

The 12-inch Ascension A90 is a bold new entrant in the arena of high performance Alnico guitar speakers for modern rock and metal sounds. With a power handling capacity in excess of 90 watts, this is the speaker that long-suffering high output compact combos have been waiting for. Providing a refined tonal'flavour' of the F90, the A90 is ideally suited for high-powered 1x12 combo applications where formerly the compromise you had to accept was a stiff, harsh sounding and heavy weight speaker just to manage the power. Now imagine warmth, bell-like highs, sparkling mids, solid bottom end response and the familiar Alnico compression quality that will do equal justice to clean tones and high gain voicing. Add to that the high power to weight ratio of Alnico and back breaking compact combos now become more manageable and tonally beautiful.

THIELE SMALL PARAMETERS

Fs	70 Hz	Vas	51.3 Litres
Re	7.12 Ω	Vd	0.077 Litres
Le	0.27 mH	Sd	511 cm^2
L2	0.70 mH	Cms	0.14 mm/N
R2	26.2 Ω	BL	12.95 T/m
Qms	19.13	Mms	34.26 g
Qes	0.67	Xmax / Xlim	1.5 mm / 6 mm
Qts	0.65	Efficiency %	4.2 %

IMPEDANCE AND FREQUENCY RESPONSE



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