

# ASCENSION F70

12-Inch, Ceramic, Guitar Loudspeaker



## GENERAL SPECIFICATIONS (8Ω Model)

Nominal Chassis Diameter	12" / 304.8 mm
Impedance	8 / 16 Ω
Power Rating	70 Watts
Frequency Range	70 Hz - 5 kHz
Sensitivity (1 w - 1 m)	100 dB
Magnet Weight	1.7 Kg / 59 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	Paper
Magnet Material	Ceramic
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	130 mm / 5.12"
Magnet Structure Diameter	152 mm / 5.98"
Gasket(s) Supplied	Front & Rear
Baffle Cut-out Diameter	284 mm / 11.18"
Mounting Hole Information	x4 ø8mm on 297 mm PCD
Nett Weight	4.85 Kg / 10.69 lb
Shipping Weight	5.45 Kg / 12.01 lb
Carton Dimensions	340 x 350 x 210 mm

Understanding all of the subtle elements of amplifier and speaker cabinet behaviour has given Fane a decided engineering edge in developing the all new, Ascension F70. The 12-inch, 70 watt, ceramic magnet driver represents the evolution of a classic tone guitar speaker for players looking for a fresh point of reference.

Promising to be the new most talked about speaker in a generation with its unique ability to enhance the performance of clean low gain amplifiers and high gain shred machines alike. It is just as at home in a classic rear mounted 4x12 as it is in a modern front mounted application. The F70 offers a stunningly detailed top-end, rich mid-range and warm low-end with an intricate three-dimensional vintage crunch. The beauty of the F70 is that you need not even change your amplifiers setting to appreciate its ability to articulate delicate passages or manage pummelling abuse with ease. Whether your application is a head and cab or an open back combo, the F70 most definitely adds a welcome new dimension to existing rigs.

## THIELE SMALL PARAMETERS

Fs	70 Hz	Vas	61.8 Litres
Re	7.6 Ω	Vd	0.077 Litres
Le	0.26 mH	Sd	511 cm <sup>2</sup>
L2	0.80 mH	Cms	0.16 mm/N
R2	22.5 Ω	BL	15.6 T/m
Qms	20.3	Mms	29.6 g
Qes	0.41	Xmax / Xlim	1.5 mm / 6 mm
Qts	0.40	Efficiency %	5.17 %

## IMPEDANCE AND FREQUENCY RESPONSE

