

# // ASCENSION N30

## 12-Inch, Neodymium, Guitar Loudspeaker



### GENERAL SPECIFICATIONS (8Ω Model)

Nominal Chassis Diameter	12" / 304.8 mm
Impedance	8 / 16 Ω
Power Rating**	30 Watts
Frequency Range	70 Hz - 5 kHz
Sensitivity (1 w - 1 m)	99 dB
Magnet Weight	0.2 Kg / 7.05 oz
Magnetic Gap Depth	8 mm / 0.31"
Flux Density	1.6 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	Neodymium
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	120.5 mm / 4.74"
Magnet Structure Diameter	112 mm / 4.41"
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	2.7 Kg / 5.95 lb

The Ascension N30 captures the complex sonic structure usually associated with an alnico loudspeaker in a light-weight neodymium format imbued with Fane's authentic vintage tone.

Best suited for use in 1 x 12" and 2 x 12" low- to mid-powered combo amps, the Ascension N30 is an optimal combination of great sound and light weight portability. Perfect for guitar players who want a 'big amp' sound from their combos for small gig situations and also ideal for those bedroom/ domestic musicians who want great tone at lower volume levels.

Displaying crystal clear, clean tones and a fantastic tight crunch when played through distortion. The tight low-end punch, dynamic vocal midrange and detailed top-end of the Ascension N30 provides players with a well balanced, three-dimensional and dynamic tone that will enhance any high-end combo valve amp, bringing out all the amplifiers intended tonal nuances. A light-weight paper cone gives the N30 gives a fast response time and a wide band of harmonic dynamics. Available in 8 or 16 ohms the speaker delivers an output sensitivity (SPL) of 99dB, you'll soon discover that a light-weight speaker can still sound heavy.

Whether you are looking to add a new sound to your arsenal, enhance the performance of an existing cab or just lighten the load of your favourite combo amp, you'll find the Ascension N30 more than fits the bill.

### THIELE SMALL PARAMETERS

Fs	70 Hz	Vas	65.04 Litres
Re	7.6 Ω	Vd	0.077 Litres
Le	0.29 mH	Sd	510.71 cm <sup>2</sup>
L2	0.74 mH	Cms	0.18 mm/N
R2	18.68 Ω	BL	15.03 T/m
Qms	16.39	Mms	32.7 g
Qes	0.46	Xmax / Xlim	1.5 mm / 6 mm
Qts	0.45	Efficiency %	3.95 %

### IMPEDANCE AND FREQUENCY RESPONSE

