

## // ASCENSION F30

### 12-Inch, Ceramic, Guitar Loudspeaker



#### GENERAL SPECIFICATIONS (8Ω Model)

Nominal Chassis Diameter	12" / 304.8 mm
Impedance	8 / 16 Ω
Power Rating	30 Watts
Frequency Range	75Hz - 5kHz
Sensitivity (1 w - 1 m)	100 dB
Magnet Weight	1.7 Kg / 59.97 oz
Magnetic Gap Depth	8 mm / 0.31"
Flux Density	1.4 Tesla
Coil Winding Height	10.7 mm / 0.42"
Voice Coil Diameter	44.45 mm / 1.75"

The Ascension F30 is a 30 watt, ceramic magnet, guitar speaker. Suitable for reproducing both American and British type sounds, it's perfect for players seeking vintage rock tones in abundance.

While remaining faithful to the Fane Ascension series tonal character, the F30 is voiced with a strong, tight crunch and low-end presence that offers powerful low-mid's. Cutting through the mix with an attacking upper mid-range and a forward, rich and open, alnico-like, detailed top end. When played clean, tones are detailed and articulate.

The F30 can be used in 1x12 low-powered amps or in multiples for 2x12 or 4x12 medium to high-power, high gain amps.

#### 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	4 x ø8mm on 297 mm PCD
Nett Weight	4.85 Kg / 10.69 lb

#### THIELE SMALL PARAMETERS

Fs	85 Hz	Vas	40.97 Litres
Re	7.63 Ω	Vd	0.077 Litres
Le	0.53 mH	Sd	511 cm <sup>2</sup>
L2	1.24 mH	Cms	0.11 mm/N
R2	6.22 Ω	BL	15.8 T/m
Qms	16.48	Mms	30.32 g
Qes	0.50	Xmax / Xlim	1.5 mm / 6 mm
Qts	0.49	Efficiency %	5.80 %

#### IMPEDANCE AND FREQUENCY RESPONSE

