



## // ASCENSION A30

### 12-Inch, Alnico, 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 Kg / 35.27 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"

#### MATERIALS OF CONSTRUCTION

Voice Coil Material	Copper
Former Material	Paper
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 Ascension A30, 30 watt guitar speaker, has been voiced to offer more crunch for classic vintage guitar tones.

Fitted with an Alnico magnet it provides a smoothness and warmth throughout its mid-range and delivers the classic, shimmering alnico chime, detailed top-end coupled with a tight low-end punch that will give your sound new life. Clean tones are crisp, clear and articulate.

Best suited when used with single, 2x12 cabinets and various boutique amplifiers. The A30 can also be combined with our F30 driver for complimentary alternative sound.

#### THIELE SMALL PARAMETERS

Fs	85 Hz	Vas	37.47 Litres
Re	7.56 Ω	Vd	0.077 Litres
Le	0.71 mH	Sd	511 cm <sup>2</sup>
L2	1.23 mH	Cms	0.102 mm/N
R2	5.53 Ω	BL	13.67 T/m
Qms	18.39	Mms	32.62 g
Qes	0.72	Xmax / Xlim	1.5 mm / 6 mm
Qts	0.69	Efficiency %	3.32 %

#### IMPEDANCE AND FREQUENCY RESPONSE

