

# 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          | 75 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      | 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 | x4 ø8mm on 297 mm PCD |
| Nett Weight               | 4.1 Kg / 9.04 lb      |
| Shipping Weight           | 4.7 Kg / 10.36 lb     |
| Carton Dimensions         | 340 x 350 x 225 mm    |

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

