



Description

Incredibly linear frequency response characteristics, the highest power handling of any comparable 18-inch neodymium transducer, the lowest power compression. The LF18N401 uses a fibre loaded cone assembly along with a high excursion triple roll, constant geometry surround. This combination provides remarkablestrength venting system guarantee a very efficient voice coil ventilation for minimum power compression and higher power handling.

Features

- > 4 inch, fiberglass inside-outside copper voice coil
- > 2400 Watt continuous program power handling
- > 98 dB Sensitivity
- > 30 Hz 1 kHz Frequency range
- $\,\,$ Dual-forced air ventilation and 15mm top plate for minimum power compression
- > Dual spider design with silicon based dampening control
- > Triple-roll surround and corrugated straight cone geometry

Part Number

11100010 LF18N401

8ohm



Spider

TECHNICAL SPECIFICATIONS

General specifications

18 inch / 457 mm Nominal Diameter

Rated Impedance 8 ohm Program Power (watt) 2400 W Power handling capacity 1200 W Sensitivity 98.0 dB Frequency range 30 - 1000 Hz Effective piston diameter 395 mm / 15.55 inch Max. Excursion Before Damage 52 mm / 2.05 inch

Minimum Impedance (ohm) 6.3 ohm

4.0 inch / 102 mm Voice Coil Diameter

Voice Coil Winding Material Copper

Voice Coil Length 25 mm / 0.98 inch

Number of layers

Kind of layers inside/outside Top Plate Thickness 15 mm / 0.59 inch

Cone Design Straight Surround Material Polycotton Surround Design Triple roll

Neodymium Magnets Dual-force air ventilation Yes

Thiele - small parameters

Resonance frequency (Fs) 32 Hz 5.10 ohm DC resistance (Re) (ohm) Mechanical factor 6.50 Qms Electrical factor 0.27 Qes Total factor 0.26 Qts BI factor (BI) (T x m) 27.80 T x m Effective moving mass (Mms) 201.0 g 257.0 liters

Equivalent Cas air loaded (Vas) Effective piston area (Sd) 0.120 m2 Max. linear excursion (Xmax) 9 mm Voice coil inductance @ 1kHz (Le1k) 2.50 mH Half-space efficency (Eff) 3.01%

Mounting information

Overall diameter 465 mm / 18.31 inches Bolt circle diameter 442-447 mm / 17.4-17.6 inch

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Bolt hole diameter 7 mm / 0.28 inch Front mount baffle cut-out 424 mm / 16.69 inch 424 mm / 16.69 inch Rear mount baffle cut-out Volume occupied by the driver 5.5 liters / 0.22 ft3

Standard compliance

Size

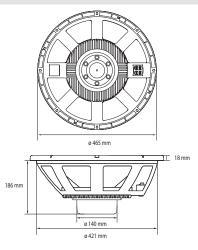
Safety agency CE compliant

Height 204 mm / 8.03 inches 465 mm / 18.31 inches Diameter Weight 9.5 kg / 20.94 lbs

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Line Art 2D



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