

Lautsprecher PA > RCF > 18 Zoll > (St $\frac{1}{4}$ ck) RCF 46cm Tieft $\frac{1}{4}$ ner LF18N451

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Artikelnummer: RCF-LF18N451

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Hersteller: RCF

8 Ohm, 800W, 97dB/W/m, 35-700 (150)Hz, 100mm
Schwingspule in-/outside gewickelt, hinterlüftete Zentrierung,
T-Polkern, Xmax +/-5mm, 120-180l BR

The LF18N451 is a very high power handling and efficiency transducer specially designed to provide powerful and accurate sub-bass frequencies with low distortion and low power compression.

Ultra fast time response. The LF18N451 uses a fibre loaded cone assembly along a large triple roll surround, this combination provides remarkable strength and control.

Double silicon spider sysetm ensures excellent control during large excursions.

A fully optimized T-pole design generate the minimum amount of flux modulation.

The Dual-forced air venting system provides a very efficient voice coil ventilation to minimize the power compression.

Features

- 4,5 - inch Inside/Outside copper voice coil
- 3000 Watt continuous program power handling
- 97.5 dB Sensitivity
- 30 Hz - 1 kHz Frequency range
- Dual-forced air ventilation for minimum power compression
- Dual spider designed with silicon based damping control
- BL of 30.2 Txm to provide a faster and accurate low frequency

General Specifications

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- Nominal Diameter:460/18 mm/inch
- Rated Impedance:8 Ω
- Program Power:3000 W AES
- Power handling capacity:1500 W AES
- Sensitivity:97.5 dB
- Frequency Range:30 Hz ÷ 1000 Hz
- Effective Piston Diameter:395 / 15.6 mm/inch
- Max Excursion Before Damage (peak to peak):60/2.36 mm/inch
- Minimum Impedance:6.3 Ω
- Voice Coil Diameter:115 / 4.5 mm/inch
- Voice Coil Material:Copper
- Voice Coil Winding Depth:26 / 1.02 mm/inch
- Number of layers:2
- Kind of layer:inside / outside
- Top Plate Thickness:15 / 0.6 mm/inch
- Cone Material:No presed pulp
- Cone Design:Curved
- Surround Material:Polycotton
- Surround Design:Triple roll

Thiele/Small Parameters

- DC resistance:5.0 Ω
- Mechanical factor:6.0
- Electrical factor:0.25
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Total factor:0.24

- BL Factor:30.2 T $\cdot$ m
- Effective Moving Mass:235 g
- Equivalent Cas air load:245 liters
- Effettive piston area:0.122 m²;
- Max. linear excursion (mathematical):8.8 mm
- Voice - coil inductance @ 1kHz:2.6 mH
- Half-space efficiency:2.54%

Mounting information

- Overall Diameter:465 / 18.3 mm/inch
- Bolt Circle Diameter:442-447 / 17.4-17.6 mm/inch
- Bolt Hole Diameter:6.5 / 0.25 mm/inch
- Front Mount Baffle Cut-out:424/16.7 mm/inch
- Rear Mount Baffle Cut-out:424 / 16.7 mm/inch
- Depth:205 / 8.1 mm/inch
- Volume occupied by the driver:5.5/0.19 liters/ft³;
- Net Weight:10.6 / 23.3 kg/lbs

Shipping information

- Shipping weight:11.8 / 26 kg/lbs

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**Preis: 620,00 EUR [inkl. 19% MwSt zzgl.
Versandkosten]**

Im Shop aufgenommen am Freitag, 05. April 2014