

## (Stück) RCF 46cm Tieftöner LF18N405

Artikelnummer: RCF-LF18N405

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Hersteller: RCF



Incredibly linear frequency response characteristics, the highest power handling of any comparable 18-inch neodymium transducer, the lowest power compression.

The LF18N405 is an extended low frequency with high power handling, designed to provide powerful and accurate bass frequencies with low distortion, low power compression and very high SPL. The LF18N405 uses a fibre loaded cone assembly along a large triple roll surround, this combination provides remarkable strength and control. The single spider system is specifically designed with a heavy cloth which ensures excellent control during large excursions. A fully optimised T-pole design generates the minimum amount of flux modulation. The Dual-forced air venting magnetic structure system provides a very efficient voice coil ventilation to minimize the power compression.

### Features

- 4 - inch, fiberglass inside-outside copper voice coil
- 300 Watt continuous program power handling
- 97 dB Sensitivity
- 30 Hz - 1 kHz Frequency range
- Hyperventated magnetic structure for minimum power compression
- Triple roll surround and exponential cone geometry

### General Specifications

- Nominal Diameter: 460 / 18 mm/inch
- Rated Impedance: 8  $\Omega$
- Program Power: 3000 W AES

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- Power handling capacity: 1500 W AES
- Sensitivity: 97 dB
- Frequency Range: 30 Hz - 1000 Hz
- Effective Piston Diameter: 395 / 15.6 mm/inch
- Max Excursion Before Damage (peak to peak): 58 / 2.28 mm/inch
- Minimum Impedance: 6.0  $\Omega$ ;
- Voice Coil Diameter: 100 / 4 mm/inch
- Voice Coil Material: Copper
- Voice Coil Winding Depth: 36 / 1.41 mm/inch
- Number of layers: 2
- Kind of layer: inside / outside
- Top Plate Thickness: 15 / 0.6 mm/inch
- Cone Material: No pressed pulp
- Cone Design: Curved
- Surround Material: Polycotton
- Surround Design: Triple roll

### Thiele/Small Parameters

- DC resistance: 4.9 $\Omega$ ;
- Mechanical factor: 7
- Electrical factor: 0.34
- Total factor: 0.32
- BL Factor: 25.4 T  $\cdot$  m
- Effective Moving Mass: 261 g
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Equivalent Cas air load: 227 liters

- Effettive piston area: 0.122 m<sup>2</sup>;
- Max. linear excursion (mathematical): 14.2 mm
- Voice - coil inductance @ 1kHz: 1.7 mH
- Half-space efficiency: 1.70%

### 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 / 0.3 mm/inch
- Front Mount Baffle Cut-out: 424 / 16.7 mm/inch
- Rear Mount Baffle Cut-out: 424 / 16.7 mm/inch
- Depth: 190 / 7.48 mm/inch
- Volume occupied by the driver: 5.5 / 0.19 liters/ft<sup>3</sup>;
- Net Weight: 8.8 / 20.2 kg/lbs

### Shipping information

- Shipping weight: 10 / 22 kg/lbs

**Preis: 350,00 EUR [inkl. 19% MwSt zzgl. Versandkosten]**

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Achenbach Akustik