

# **LF18N401**

### WOOFFR

#### **DESCRIPTION**

Incredibly linear frequency response characteristics, the highest power handling of any comparable 18-inch neodymium transducer, the lowest power compression. The LF18N4O1 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



#### **TECHNICAL SPECIFICATIONS**

General specifications	Nominal Diameter:	18 inch / 457 mm
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Rated Impedance: 8 ohm
Program Power (watt): 2400 W
Power handling capacity: 1200 W
Sensitivity: 98 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 ohm

Voice Coil Diameter: 4.0 inch / 102 mm

Voice Coil Material: Copper

Voice Coil Winding Material: 25 mm / 0.98 inch

Number of layers: 2

Kind of layers: inside/outside

Top Plate Thickness: 15 mm / 0.59 inch

Cone Design: Straight
Surround Material: Polycotton
Surround Design: Triple roll
Magnets: Neodymium

Dual-force air ventilation: Yes

Spider: Single with silicon based damping control

5.10 ohm

3.01%

#### **Thiele - small parameters** Resonance frequency (Fs): 32 Hz

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 gr Equivalent Cas air loaded (Vas): 257 liters Effettive piston area (Sd): 0.12 m2 Max. linear excursion (Xmax): 9 mm Voice coil inductance @ 1kHz (Le1k): 2.50 mH

#### **Mounting informations** Overall diameter: 465 mm / 18.31 inches

Half-space efficency (Eff):

Bolt circle diameter: 442-447 mm / 17.4-17.6 inch

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

#### **Standard compliance** CE marking: Yes

## DATASHEET



 Size
 Height:
 204 mm / 8.03 inches

 Diameter:
 465 mm / 18.31 inches

Weight: 9.5 kg / 20.94 lbs

**Shipping informations** Package Height: 260 mm / 10.24 inches

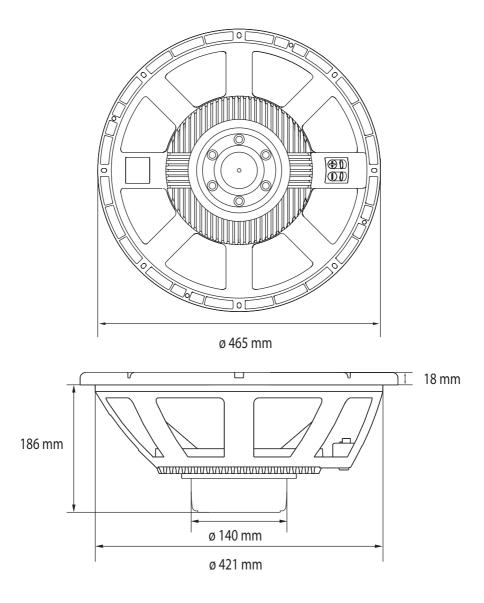
Package Width: 520 mm / 20.47 inches
Package Depth: 500 mm / 19.69 inches
Package Weight: 11.4 kg / 25.13 lbs

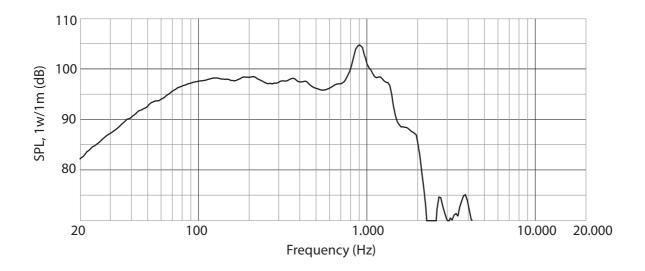
#### **PART NUMBER**

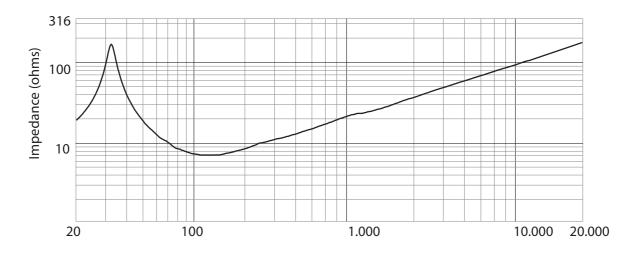
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LF18N401 8ohm









Frequency (Hz)