

# LF15N401

## WOOFER

### DESCRIPTION

Incredibly linear frequency response characteristics, the highest power handling of any comparable 15-inch neodymium transducer, the lower power compression. The LF15N401 uses a fibre loaded cone assembly along with a high excursion triple roll, constant geometry surround. This combination provides remarkable strength and a peak to peak maximum excursion of 52mm. The unique Dual-forced air 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
- 1800W continuous program power handling
- 97 dB Sensitivity
- 35 Hz – 1.5 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:	15 inch / 381 mm
Rated Impedance:	8 ohm
Program Power (watt):	1800 W
Power handling capacity:	900 W
Sensitivity:	97 dB
Frequency range:	35 - 1500 Hz
Effective piston diameter:	340 mm / 13.39 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:	Dual with silicon based damping control

### Thiele - small parameters

Resonance frequency (Fs):	34 Hz
DC resistance (Re) (ohm):	5.10 ohm
Mechanical factor:	5.80 Qms
Electrical factor:	0.23 Qes
Total factor:	0.22 Qts
Bl factor (Bl) (T x m):	27.80 T x m
Effective moving mass (Mms):	158 gr
Equivalent Cas air loaded (Vas):	160 liters
Effective piston area (Sd):	0.09 m <sup>2</sup>
Max. linear excursion (Xmax):	9 mm
Voice coil inductance @ 1kHz (Le1k):	2.50 mH
Half-space efficiency (Eff):	2.64%

### Mounting informations

Overall diameter:	393 mm / 15.47 inches
Bolt circle diameter:	371-376 mm / 14.61-14.8 inch
Bolt hole diameter:	7 mm / 0.28 inch
Front mount baffle cut-out:	354 mm / 13.94 inch
Rear mount baffle cut-out:	354 mm / 13.94 inch
Volume occupied by the driver:	3.8 liters / 0.15 ft <sup>3</sup>

### Standard compliance

CE marking:	Yes
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<b>Size</b>	Height:	160 mm / 6.3 inches
	Diameter:	393 mm / 15.47 inches
	Weight:	8.77 kg / 19.33 lbs

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<b>Shipping informations</b>	Package Height:	215 mm / 8.46 inches
	Package Width:	422 mm / 16.61 inches
	Package Depth:	442 mm / 17.4 inches
	Package Weight:	10.18 kg / 22.44 lbs

## **PART NUMBER**

- **11100013**  
LF15N401  
8ohm



