



# LF15X401

WOOFER



## Description

Very linear frequency response characteristics, extreme high power handling while generating the lowest harmonic distortion of any comparable 18-inch transducer within its application range. The LF15X401 uses a fibre loaded cone assembly along with a high excursion triple roll surround. This combination provides remarkable strength and a peak to peak maximum excursion of 50 mm. The new dual forced hyper-venting system guarantee a very efficient voice coil ventilation for minimum power compression and incredible power handling.

## Features

- › 4-inch, fiberglass inside/outside copper voice coil
- › 3000W continuous program power handling
- › 96.5 dB Sensitivity
- › 30 Hz - 1.5 kHz Frequency range
- › Dual Forced Hyperventing System
- › Dual spider design with silicon based dampening control
- › Triple-roll surround and corrugated straight cone geometry

## Part Number

11100090 LF15X401

8ohm



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### TECHNICAL SPECIFICATIONS

#### General specifications

Nominal Diameter	15 inch / 381 mm
Rated Impedance	8 ohm
Program Power (watt)	3000 W
Power handling capacity	1500 W
Sensitivity	96.5 dB
Frequency range	30 - 1500 Hz
Effective piston diameter	340 mm / 13.39 inch
Max. Excursion Before Damage	50 mm / 1.97 inch
Minimum Impedance (ohm)	6.5 ohm
Voice Coil Diameter	4.0 inch / 102 mm
Voice Coil Winding Material	Copper
Voice Coil Length	30 mm / 1.18 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	Ceramic
Dual-force air ventilation	Yes
Spider	03

#### Thiele - small parameters

Resonance frequency (Fs)	34 Hz
DC resistance (Re) (ohm)	5.50 ohm
Mechanical factor	7.60 Qms
Electrical factor	0.30 Qes
Total factor	0.29 Qts
Bl factor (Bl) (T x m)	26.50 T x m
Effective moving mass (Mms)	170.0 g
Equivalent Cas air loaded (Vas)	146.0 liters
Effective piston area (Sd)	0.090 m <sup>2</sup>
Max. linear excursion (Xmax)	12 mm
Voice coil inductance @ 1kHz (Le1k)	1.30 mH
Half-space efficiency (Eff)	1.90%

#### Mounting information

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	4.3 liters / 0.17 ft <sup>3</sup>

#### Standard compliance

Safety agency	CE compliant
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#### Size

Height	161 mm / 6.34 inches
Diameter	393 mm / 15.47 inches
Weight	12 kg / 26.46 lbs



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Line Art 2D

