LF15X401

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Description

Very linear frequency response characteristics, extreme high power handling while generating the lowest harmonic distortion of any comparable18-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	Dual with silicon based damping control
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 m2
	Max. linear excursion (Xmax)	12 mm
	Voice coil inductance @ 1kHz (Le1k)	1.30 mH
	Half-space efficency (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 ft3
Standard compliance	Safety agency	CE compliant

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Size / Weight	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



