

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

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 m ²
	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 ³
Standard compliance	Safety agency:	CE compliant



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

Shipping information	Package Height:	209 mm / 8.23 inches
	Package Width:	439 mm / 17.28 inches
	Package Depth:	434 mm / 17.09 inches
	Package Weight:	13.5 kg / 29.76 lbs

PART NUMBER

- **11100090**
LF15X401
8ohm



