LF18X401

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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 LF18X401 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
› 97.5 dB Sensitivity
› 25 Hz – 1 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

11100089 LF18X401 8ohm

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TECHNICAL SPECIFICATIONS

General specifications	Nominal Diameter	18 inch / 457 mm
	Rated Impedance	8 ohm
	Program Power (watt)	3000 W
	Power handling capacity	1500 W
	Sensitivity	97.5 dB
	Frequency range	25 - 1000 Hz
	Effective piston diameter	395 mm / 15.55 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)	30 Hz
	DC resistance (Re) (ohm)	5.40 ohm
	Mechanical factor	7.40 Qms
	Electrical factor	0.31 Qes
	Total factor	0.30 Qts
	Bl factor (Bl) (T x m)	26.50 T x m
	Effective moving mass (Mms)	215.0 g
	Equivalent Cas air loaded (Vas)	274.0 liters
	Effective piston area (Sd)	0.120 m2
	Max. linear excursion (Xmax)	12 mm
	Voice coil inductance @ 1kHz (Le1k)	0.83 mH
	Half-space efficency (Eff)	2.30%
Mounting information	Overall diameter	465 mm / 18.31 inches
	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	425 mm / 16.73 inch
	Volume occupied by the driver	6.5 liters / 0.26 ft3
Standard compliance	Safety agency	CE compliant

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Size / Weight	Height	208 mm / 8.19 inches
	Diameter	465 mm / 18.31 inches
	Weight	12.5 kg / 27.56 lbs

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Line Art 2D

