LF18G401

WOOFER



Description

The LF18G401 is a 18-inch woofer with linear frequency response cheracteristics and very high power handling.
The LF18G401 uses a fibre loaded cone assembly along with a high excursion triple roll, constant geometry surround. This combination provides remarkable strength and peak to peak maximum excursion of 50mm.

Features

- 4-inch, fiberglass inside/outside copper voice coil
- 1800W continuous program power handling
- 98 dB Sensitivity
- 30 Hz – 1 kHz Frequency range
- Dual spider design with silicon based dampening control
- Triple-roll surround and corrugated straight cone geometry

Part Number

11100012	LF18G401	8ohm	EAN 8024530020071

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TECHNICAL SPECIFICATIONS

General specifications	Nominal Diameter	18 inch / 457 mm
	Rated Impedance	8 ohm
	Program Power (watt)	1800 W
	Power handling capacity	900 W
	Sensitivity	98.0 dB
	Frequency range	30 - 1000 Hz
	Effective piston diameter	395 mm / 15.55 inch
	Max. Excursion Before Damage	50 mm / 1.97 inch
	Minimum Impedance (ohm)	5.9 ohm
	Voice Coil Diameter	4.0 inch / 102 mm
	Voice Coil Winding Material	Copper
	Voice Coil Length	23 mm / 0.91 inch
	Number of layers	2
	Kind of layers	inside/outside
	Top Plate Thickness	12 mm / 0.47 inch
	Cone Design	Straight
	Surround Material	Polycotton
	Surround Design	Triple roll
	Magnets	Ceramic
	Spider	Dual with silicon based damping control
Thiele - small parameters	Resonance frequency (Fs)	33 Hz
	DC resistance (Re) (ohm)	4.80 ohm
	Mechanical factor	7.60 Qms
	Electrical factor	0.30 Qes
	Total factor	0.29 Qts
	Bl factor (Bl) (T x m)	24.60 T x m
	Effective moving mass (Mms)	182.0 g
	Equivalent Cas air loaded (Vas)	268.0 liters
	Effective piston area (Sd)	0.120 m2
	Max. linear excursion (Xmax)	9 mm
	Voice coil inductance @ 1kHz (Le1k)	1.80 mH
	Half-space efficency (Eff)	3.09%
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	424 mm / 16.69 inch
	Volume occupied by the driver	6 liters / 0.24 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	13 kg / 28.66 lbs

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Line Art 2D

