LF18N401

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Description

Incredibly linear frequency response characteristics,the highest power handling of any comparable 18-inch neodymium transducer, the lowest power compression. The LF18N401 uses a fibre loaded cone assembly along with a high excursion triple roll,constant geometry surround. This combination provides remarkablestrength venting system guarantee a very efficient voice coil ventilation for minimum power compression and higher power handling.

Features

- 4 - inch, fiberglass inside-outside copper voice coil
- 2400 Watt continuous program power handling
- 98 dB Sensitivity
- 30 Hz - 1 kHz Frequency range
- Dual-forced air ventilation and 15mm top plate for minimum power compression
- Dual spider design with silicon based dampening control
- Triple-roll surround and corrugated straight cone geometry

Part Number

11100010	LF18N401	8ohm

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TECHNICAL SPECIFICATIONS

General specifications	Nominal Diameter	18 inch / 457 mm
	Rated Impedance	8 ohm
	Program Power (watt)	2400 W
	Power handling capacity	1200 W
	Sensitivity	98.0 dB
	Frequency range	30 - 1000 Hz
	Effective piston diameter	395 mm / 15.55 inch
	Max. Excursion Before Damage	52 mm / 2.05 inch
	Minimum Impedance (ohm)	6.3 ohm
	Voice Coil Diameter	4.0 inch / 102 mm
	Voice Coil Winding Material	Copper
	Voice Coil Length	25 mm / 0.98 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	Neodymium
	Dual-force air ventilation	Yes
	Spider	Single with silicon based damping control
Thiele - small parameters	Resonance frequency (Fs)	32 Hz
	DC resistance (Re) (ohm)	5.10 ohm
	Mechanical factor	6.50 Qms
	Electrical factor	0.27 Qes
	Total factor	0.26 Qts
	Bl factor (Bl) (T x m)	27.80 T x m
	Effective moving mass (Mms)	201.0 g
	Equivalent Cas air loaded (Vas)	257.0 liters
	Effective piston area (Sd)	0.120 m2
	Max. linear excursion (Xmax)	9 mm
	Voice coil inductance @ 1kHz (Le1k)	2.50 mH
	Half-space efficency (Eff)	3.01%
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	5.5 liters / 0.22 ft3
Standard compliance	Safety agency	CE compliant

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Size / Weight	Height	204 mm / 8.03 inches
	Diameter	465 mm / 18.31 inches
	Weight	9.5 kg / 20.94 lbs

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Line Art 2D

