



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 remarkable strength 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		02
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 m ²
	Max. linear excursion (Xmax)		9 mm
	Voice coil inductance @ 1kHz (Le1k)		2.50 mH
Half-space efficiency (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 ft ³	
Standard compliance	Safety agency		CE compliant
	Size		
	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

