

LF18N401

WOOFER

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

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 m ²
Max. linear excursion (Xmax):	9 mm
Voice coil inductance @ 1kHz (Le1k):	2.50 mH
Half-space efficiency (Eff):	3.01%

Mounting informations

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

CE marking:	Yes
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Size	Height:	204 mm / 8.03 inches
	Diameter:	465 mm / 18.31 inches
	Weight:	9.5 kg / 20.94 lbs

Shipping informations	Package Height:	260 mm / 10.24 inches
	Package Width:	520 mm / 20.47 inches
	Package Depth:	500 mm / 19.69 inches
	Package Weight:	11.4 kg / 25.13 lbs

PART NUMBER

- **11100010**
LF18N401
8ohm



