

LF18N401

WOOFFR

DESCRIPTION

Incredibly linear frequency response characteristics, the highest power handling of any comparable 18-inch neodymium transducer, the lowest power compression. The LF18N4O1 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

Rev. B Last update: 08/03/2022



Standard compliance	CE marking:	Yes
	Volume occupied by the driver:	5.5 liters / 0.22 ft3
	Rear mount baffle cut-out:	424 mm / 16.69 inch
	Front mount baffle cut-out:	424 mm / 16.69 inch
	Bolt hole diameter:	7 mm / 0.28 inch
	Bolt circle diameter:	442-447 mm / 17.4-17.6 inch
Mounting informations	Overall diameter:	465 mm / 18.31 inches
	Half-space efficency (Eff):	3.01%
	Voice coil inductance @ 1kHz (Le1k):	2.50 mH
	Max. linear excursion (Xmax):	9 mm
	Effective piston area (Sd):	0.120 m2
	Equivalent Cas air loaded (Vas):	257.0 liters
	Effective moving mass (Mms):	201.0 g
	BI factor (BI) (T x m):	27.80 T x m
	Total factor:	0.26 Qts
	Electrical factor:	0.27 Qes
	Mechanical factor:	6.50 Qms
	DC resistance (Re) (ohm):	5.10 ohm
Thiele - small parameters	Resonance frequency (Fs):	32 Hz
	opider.	Single with sincon based damping contro
	Spider:	Single with silicon based damping contro
	Dual-force air ventilation:	Yes
	Magnets:	Neodymium
	Surround Design:	Triple roll
	Surround Material:	Polycotton
	Top Plate Thickness: Cone Design:	Straight
	Kind of layers:	inside/outside 15 mm / 0.59 inch
	Number of layers:	2
	Voice Coil Length:	25 mm / 0.98 inch
	Voice Coil Winding Material:	Copper
	Voice Coil Diameter:	4.0 inch / 102 mm
	Minimum Impedance (ohm):	6.3 ohm
	Max. Excursion Before Damage:	52 mm / 2.05 inch
	Effective piston diameter:	395 mm / 15.55 inch
	Frequency range:	30 - 1000 Hz
	Sensitivity:	98.0 dB
	Power handling capacity:	1200 W
	Program Power (watt):	2400 W
	Rated Impedance:	8 ohm
General specifications	Nominal Diameter:	18 inch / 457 mm

DATASHEET



 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:

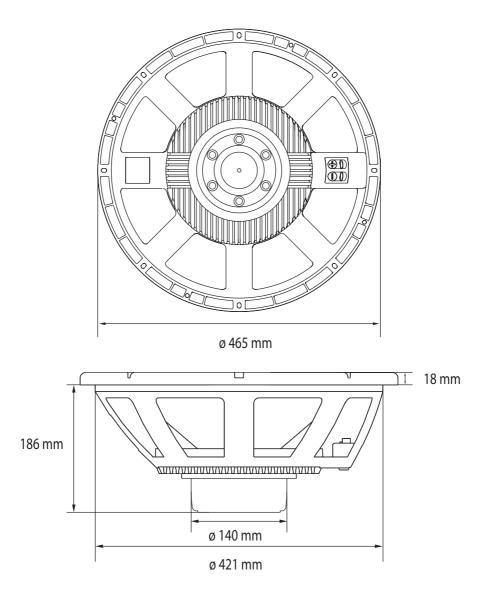
11.4 kg / 25.13 lbs

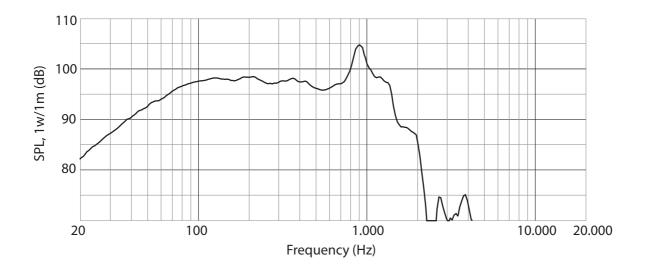
PART NUMBER

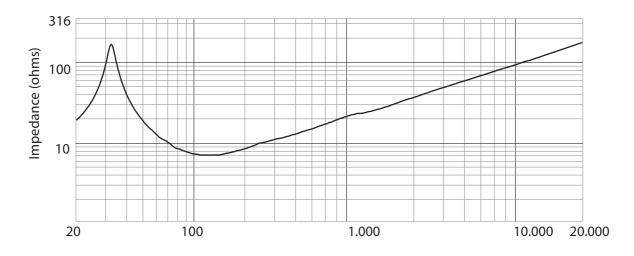
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LF18N401 8ohm









Frequency (Hz)