

# LF18N405

## WOOFER

### DESCRIPTION

The LF18N405 is an extended low frequency with high power handling, designed to provide powerful and accurate bass frequencies with low distortion, low power compression and very high SPL. The LF18N405 uses a fibre loaded cone assembly along a large triple roll surround, this combination provides remarkable strength and control. The single spider system is specifically designed with a heavy cloth which ensures excellent control during large excursions. A fully optimised T-pole design generates the minimum amount of flux modulation. The Dual-forced air venting magnetic structure system provides a very efficient voice coil ventilation to minimize the power compression.



### FEATURES

- 4,0 - inch Inside/Outside copper voice coil
- 3000 Watt continuous program power handling
- 97.5 dB Sensitivity
- 25Hz - 1kHz Frequency range
- Hypervented magnetic structure for minimum power compression
- Triple roll surround and exponential cone geometry

## TECHNICAL SPECIFICATIONS

<b>General specifications</b>	Nominal Diameter:	18 inch / 457 mm
	Rated Impedance:	8 ohm
	Program Power (watt):	3000 W
	Power handling capacity:	1500 W
	Sensitivity:	97.0 dB
	Frequency range:	30 - 1000 Hz
	Effective piston diameter:	395 mm / 15.55 inch
	Max. Excursion Before Damage:	58 mm / 2.28 inch
	Minimum Impedance (ohm):	6.0 ohm
	Voice Coil Diameter:	4.0 inch / 102 mm
	Voice Coil Winding Material:	Copper
	Voice Coil Length:	36 mm / 1.42 inch
	Number of layers:	2
	Kind of layers:	inside/outside
	Top Plate Thickness:	15 mm / 0.59 inch
	Cone Design:	Curved
	Surround Material:	Polycotton
	Surround Design:	Triple roll
	Magnets:	Neodymium
	Hypervented magnetic structure:	Yes
	Spider:	Single
<b>Thiele - small parameters</b>	Resonance frequency (Fs):	30 Hz
	DC resistance (Re) (ohm):	4.90 ohm
	Mechanical factor:	7.00 Qms
	Electrical factor:	0.34 Qes
	Total factor:	0.32 Qts
	Bl factor (Bl) (T x m):	26.50 T x m
	Effective moving mass (Mms):	261.0 g
	Equivalent Cas air loaded (Vas):	227.0 liters
	Effective piston area (Sd):	0.120 m <sup>2</sup>
	Max. linear excursion (Xmax):	14 mm
	Voice coil inductance @ 1kHz (Le1k):	1.70 mH
	Half-space efficiency (Eff):	1.70%
<b>Mounting information</b>	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:	425 mm / 16.73 inch
	Volume occupied by the driver:	5.5 liters / 0.22 ft <sup>3</sup>
<b>Standard compliance</b>	Safety agency:	CE compliant

**Size**

Height:	208 mm / 8.19 inches
Diameter:	465 mm / 18.31 inches
Weight:	8.8 kg / 19.4 lbs

**Shipping information**

Package Height:	255 mm / 10.04 inches
Package Width:	495 mm / 19.49 inches
Package Depth:	525 mm / 20.67 inches
Package Weight:	10 kg / 22.05 lbs

**PART NUMBER**

- **11100022**

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8ohm



