LF18N405

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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

Part Number

11100022	LF18N405	8ohm

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TECHNICAL SPECIFICATIONS

General specifications	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
Thiele - small parameters	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 m2
	Max. linear excursion (Xmax)	14 mm
	Voice coil inductance @ 1kHz (Le1k)	1.70 mH
	Half-space efficency (Eff)	1.70%
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	425 mm / 16.73 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	208 mm / 8.19 inches
	Diameter	465 mm / 18.31 inches
	Weight	8.8 kg / 19.4 lbs

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Line Art 2D

