



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.
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| Features | <ul style="list-style-type: none">› 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 |
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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 m ²
Max. linear excursion (Xmax)	14 mm
Voice coil inductance @ 1kHz (Le1k)	1.70 mH
Half-space efficiency (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 ft ³

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

