



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 | <ul style="list-style-type: none">› 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 |
|-----------------|---|

Part Number	11100010	LF18N401	8ohm
--------------------	----------	----------	------



LF18N401

WOOFER

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 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	424 mm / 16.69 inch
Volume occupied by the driver	5.5 liters / 0.22 ft ³

Standard compliance

Safety agency	CE compliant
---------------	--------------



LF18N401

WOOFER

Size / Weight

Height

204 mm / 8.03 inches

Diameter

465 mm / 18.31 inches

Weight

9.5 kg / 20.94 lbs



LF18N401

WOOFER

Line Art 2D

