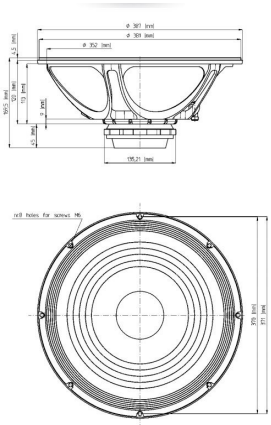
15ND730 8Ω

LF drivers - 15.0 Inches



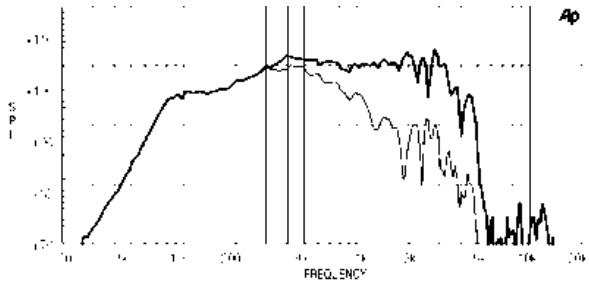
- 99 dB SPL 1W / 1m average sensitivity
- 75 mm (3 in) Interleaved Sandwich Voice coil (ISV)
- 600W program power handling
- High force neodymium magnet assembly
- Weather protected cone for outdoor usage
- Ideal for compact reflex subwoofer and reflex multiway systems

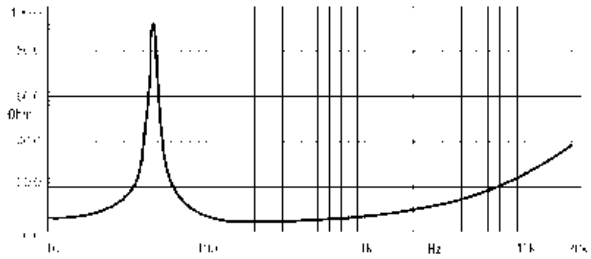
The 15ND730 transducer has been designed to meet market demand for high output woofers, capable of providing deep bottom-end in bandpass, horns or small reflex enclosures. The level of distortion is kept very low within its application range.
The 15ND730 is suitable for high loading enclosures, such as subwoofers or 2-way system reflex enclosures when coupled with a 1.4" - 2" compression driver.
The neodymium magnet assembly developed by Eighteen Sound engineers assures high flux concentration, low power compression and excellent heat exchange, since the external magnet configuration is considerably more efficient than traditional under-pole magnet topology. This results in high levels of force factor and power handling with an optimum power to weight ratio.
A single demodulating ring, appropriately positioned in the magnetic circuit, allows a further flux modulation reduction, keeping overall distortions at a low level when driven hard.
The deep profile curvilinear cone, created from a special high strength wood pulp has been designed to achieve the best possible linearity within its frequency range. The cone surround, made from a linen material is highly resistant to aging and fatigue. The in-house developed cone treatment is fully water repellent and also gives a significant degree of rigidity to the cone.
The 75 mm Interleaved Sandwich Voice coil (ISV) assembly is wound on a strong fiberglas former which improves force transmission and thermal power handling.
The four threaded backplate holes allow the final user the possibility to insert an external-customized heatsink if further heat dissipation is required.
A special coating applied to both the top and back plates makes the 15ND730 far more resistant to the corrosive effects of salts and oxidization.

Eighteen Sound Srl
Via Botticelli 8 - 42124 Mancasale (RE) - ITALY - Ph. +39 0522 1861800 - Fax +39 0522 1861801 - info@eighteensound.it

15ND730 8Ω

LF drivers - 15.0 Inches





SPECIFICATIONS

Nominal Diameter	380 mm (in)
Nominal Impedance	8 Ω
Nominal Power Handling[1]	400 W
Continuous Power Handling[2]	600 W
Sensitivity[3]	99.0 dB
Frequency Range	44 - 4000 Hz
Voice Coil Diameter	75 mm (3.0 in)

DESIGN

Surround Shape	Double roll
Cone Shape	Curvilinear
Magnet Material	Neo
Woofer Cone Treatment	Weather protected
Recommended Enclosure	100.0 dm^3 (3.53 ft^3)
Recommended Tuning	50 Hz

PARAMETERS[4]

Resonance Frequency	44 Hz
Re	5.5 Ω
Qes	0.3
Qms	8.1
Qts	0.29
Vas	156.0 dm^3 (5.51 ft^3)
Sd	900.0 cm^2 (139.5 in^2)
Xmax	6.5 mm
Mms	86.0 g
Bl	21.0 Txm
Le	1.35 mH
EBP	146 Hz

MOUNTING AND SHIPPING INFO

Overall Diameter	387 mm (15.24 in)
Bolt Circle Diameter	370 mm (14.57 in)
Baffle Cutout Diameter	353.0 mm (13.9 in)
Depth	169 mm (6.65 in)
Flange and Gasket Thickness	11 mm (0.43 in)
Net Weight	3.9 kg (8.6 lb)
Shipping Weight	4.8 kg (lb)
Shipping Box	405x405x214 mm (15.94x15.94x8.43 in)

1. 2 hours test made with continuous pink noise signal within the range Fs-10Fs. Power calculated on rated minimum impedance. Loudspeaker in free air.
2. Power on Continuous Program is defined as 3 dB greater than the Nominal rating.
3. Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance.
4. Thiele-Small parameters are measured after a high level 20 Hz sine wave preconditioning test.

Eighteen Sound Srl
Via Botticelli 8 - 42124 Mancasale (RE) - ITALY - Ph. +39 0522 1861800 - Fax +39 0522 1861801 - info@eighteensound.it