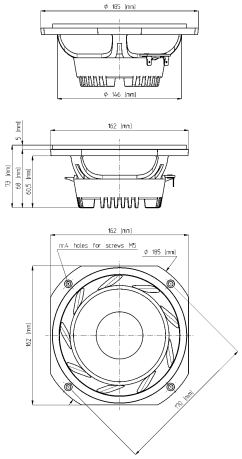
6ND430 8Ω

LF drivers - 6.5 Inches



- 92,5 dB SPL 1W / 1m average sensitivity
- 45 mm (1,77 in) aluminum voice coil
- 200 W AES power handling
- Neodymium motor assembly
- Weather protected cone
- Improved heat dissipation via unique basket design
- Ideal for compact two way and multiway systems

The 6ND430 is a 6 inch neodymium woofer designed for low frequency reproduction in 2-way systems or multiway systems where both low weight and high intelligibility are required. The speaker has been specifically designed for compact reflex enclosures where high quality low-bass and mid frequencies are required such as studio monitoring applications. It is also currently used in line array or multiway systems with excellent results. The extremely powerful external neodymium magnet assembly assures high flux concentration, low power compression and excellent heat exchange. The levels of force factor and power handling are, as a consequence, at a top professional level with an optimum power to weight ratio. A consistent heat transfer is guaranteed by the encapsulation of the magnetic structure in the interior of the basket, offering a large contact space between the back plate and the dissipating structure. Particular effort was given to the surround shape and material design in order to minimise the resonances on mid range frequencies. The new design, realised with specified rubber based material density, offers a consistent dampening to typical bell modes. The 45 mm voice coil is made from a light-weight aluminum wire and assures linearity and high power handling. A proprietary humidity-block cone treatment makes the transducer suitable for outdoor use in adverse weather conditions. In addition, a special coating applied to both the top and back plates makes the 6ND430 far more resistant to the corrosive effects of salts and oxidization.

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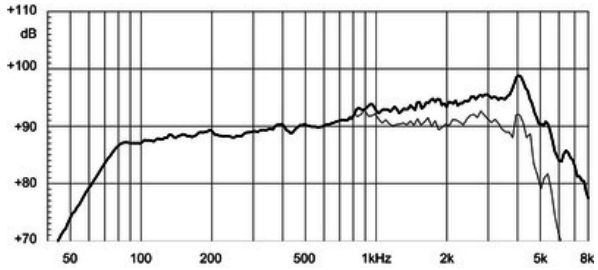

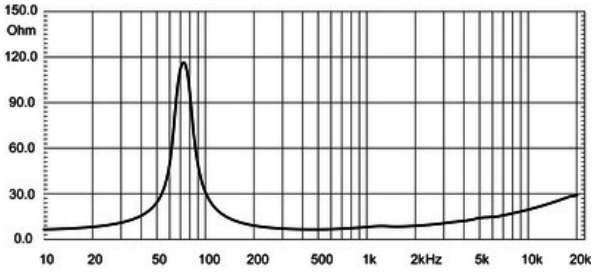

SPECIFICATIONS

Nominal Diameter	152 mm (in)
Nominal Impedance	8 Ω
Minimum Impedance	6.1 Ω
Nominal Power Handling[1]	200 W
Continuous Power Handling[2]	260 W
Sensitivity[3]	92.5 dB
Frequency Range	63 - 5500 Hz
Voice Coil Diameter	44 mm (1.75 in)
Winding Material	aluminum

DESIGN

Surround Shape	Single roll - Rubber
Cone Shape	Curvilinear
Magnet Material	Neo
Woofer Cone Treatment	Weather protected
Recommended Enclosure	25.0 dm^3 (0.88 ft^3)
Recommended Tuning	62 Hz

PARAMETERS[4]

Resonance Frequency	61 Hz
Re	5.5 Ω
Qes	0.28
Qms	6.5
Qts	0.27
Vas	12.6 dm^3 (ft^3)
Sd	133.0 cm^2 (20.62 in^2)
Xmax	5.0 mm
Mms	13.3 g
Bl	10.0 Txm
Le	0.28 mH
EBP	217 Hz

MOUNTING AND SHIPPING INFO

Overall Diameter	162 mm (6.38 in)
Bolt Circle Diameter	170 mm (6.69 in)
Baffle Cutout Diameter	148.0 mm (5.83 in)
Depth	73 mm (2.87 in)
Flange and Gasket Thickness	9 mm (0.35 in)
Net Weight	1.25 kg (2.76 lb)
Shipping Weight	1.45 kg (3.2 lb)
Shipping Box	185x170x85 mm (7.28x6.69x3.35 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.

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