



# 6ND430

## LF Neodymium Transducer

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



### GENERAL SPECIFICATIONS

Nominal Diameter	152mm (6 in)
Rated Impedance	8 Ohm
AES Power (1)	200 W
Program Power (2)	260 W
Peak Power	500 W
Sensitivity (3)	92,5 dB
Frequency Range (4)	63 - 5500 Hz
Power Compression @-10dB	1,0 dB
Power Compression @-3dB	1,5 dB
Power Compression @Full Power	2,9 dB
Max Recomm. Frequency	3000 Hz
Recomm. Enclosure Volume	10 - 40 lt. (0,35 - 1,41 cuft)
Minimum Impedance	6,1 Ohm at 25°C
Max Peak To Peak Excursion	22 mm (0,87 in)

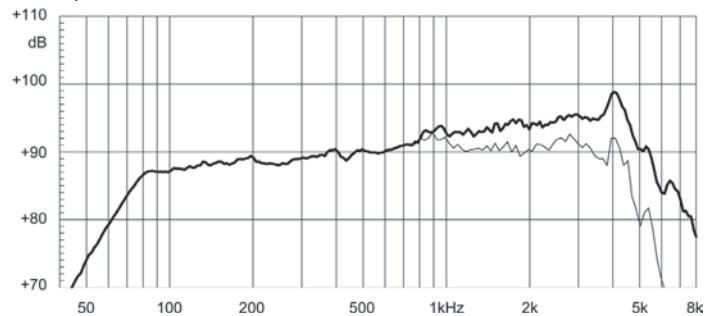
### THIELE SMALL PARAMETERS (5)

Fs	61 Hz
Re	5.5 Ohm
Sd	0,0133 sq.mf. (20,6 sq.in.)
Qms	6.5
Qes	0.28
Qts	0.27
Vas	12.6 lt. (0,4 cuft)
Mms	13,3 gr. (0,03 lb)
BL	10.0 Tm
Linear Mathematical Xmax (6)	± 5 mm (±0,20 in)
le (1kHz)	0.28 mH
Ref. Efficiency 1W@1m (half space)	92 dB

### MOUNTING INFORMATION

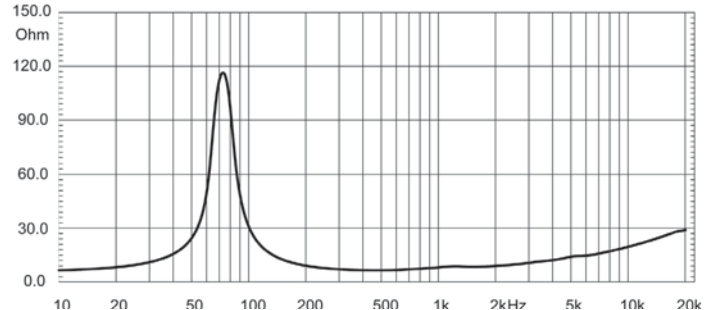
Overall diameter	162 mm (6,38 in)
N. of mounting holes and bolt	4
Mounting holes diameter	5,5 mm (0,22 in)
Bolt circle diameter	170 mm (6,69 in)
Front mount baffle cutout Ø	148 mm (5,38 in)
Rear mount baffle cutout Ø	148 mm (5,38 in)
Total depth	73 mm (2,87 in)
Flange and gasket thickness	9,5 mm (0,37 in)
Net weight	1,25 kg (2,76 lb)
Shipping weight	1,8 kg (3,97 lb)
CardBoard Packaging dimensions	170 x 170 x 80 mm (6,69 x 6,69 x 3,15 in)

### FREQUENCY RESPONSE CURVE



FREQUENCY RESPONSE CURVE OF 6ND430 MADE ON 18 LIT. ENCLOSURE TUNED AT 60HZ IN FREE FIELD (4PI) ENVIRONMENT. ENCLOSURE CLOSES THE REAR OF THE DRIVER. THE THIN LINE REPRESENTS 45 DEG. OFF AXIS FREQUENCY RESPONSE

### FREE AIR IMPEDANCE MAGNITUDE CURVE



### NOTES

- (1) AES power is determined according to AES2-1984 (r2003) standard
- (2) Program power rating is measured in 18 lit enclosure tuned at 60 Hz using a 70 - 3000Hz band limited pink noise test signal with 50% duty cycle, applied for 2 hours.
- (3) Sensitivity represents the averaged value of acoustic output as measured on the forward central axis of cone, at distance 1m from the baffle panel, when connected to 2,83V sine wave test signal swept between 500Hz and 2500Hz with the test specimen mounted in the same enclosure as given for #2 above.
- (4) Frequency range is given as the band of frequencies delineated by the lower and upper limits where the output level drops by 10 dB below the rated sensitivity in half space environment.
- (5) Thiele - Small parameters are measured after the test specimen has been conditioned by 200 W AES power and represent the expected long term parameters after a short period of use.
- (6) Linear Math. Xmax is calculated as  $(HvcHg)/2 + Hg/4$  where Hvc is the coil depth and Hg is the gap depth..