6ND430

Low Frequency Neodymium Woofer

022068N430 8 ohm
022066N430 16 ohm

Key features

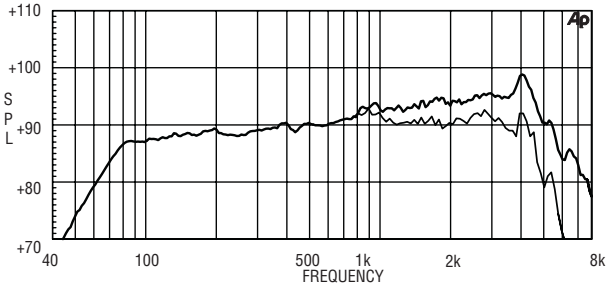
- 92,5 dB SPL 1W/1m average sensitivity
- 45mm aluminum voice coil
- 200 W continuous pink noise power handling
- Neodymium motor assembly
- Weather protected cone
- Ideal for compact two way systems, multyway systems
- Improved heat dissipation via unique basket design

GENERAL SPECIFICATIONS		
NOMINAL DIAMETER	152mm	(6 in)
RATED IMPEDANCE	16 ohms	
CONTINUOUS PINK NOISE	200 W	(1)
CONT. POWER	130 W	(2)
PROGRAM POWER	260 W	(3)
PEAK POWER	500 W	(4)
SENSITIVITY	92,5 dB	(5)
FREQUENCY RANGE	63 ÷ 5500 Hz	(6)
POWER COMPRESSION		(7)
@-10 dB (13 W)	0,7 dB	
@-3 dB (65 W)	1,5 dB	
@FULL POWER (130 W)	2,4 dB	
MAX RECOMMENDED FREQUENCY	3000 Hz	
RECOMM.ENCLOSURE VOLUME	10 - 40 lt.	(0,35 - 1,41 cuft)
MINIMUM IMPEDANCE	12,4 ohms at 25 deg.	
MAX EXCURSION PEAK TO PEAK	22 mm	(0,87 in)
VOICE COIL DIAMETER	45 mm	(1,77 in)
VOICE COIL WINDING MATERIAL	aluminum	

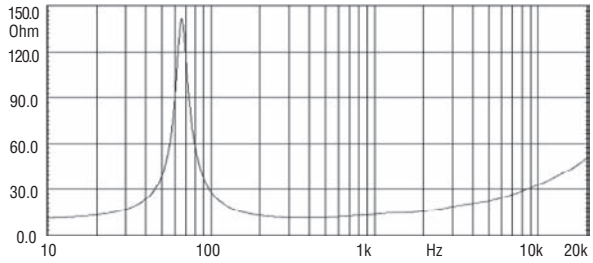
THIELE-SMALL PARAMETERS	(8)	
Fs	63 Hz	
Re	11 ohms	
Sd	0,0133 sq.mt.	(20,6 sq.in.)
Qms	6,3	
Qes	0,42	
Qts	0,39	
Vas	13,4 lt.	(0,47 cuft)
Mms	12,5 gr.	(0,03 lb)
BL	11,4 Tm	
Linear Mathematical Xmax	± 5 mm	(± 0,20 in) (9)
Le (1kHz)	1,47 mH	
Ref. Efficiency dB / 1W / 1m (half space)	91 dB	

MOUNTING INFORMATIONS		
Overall diameter	162 mm	(6,38 in)
N. of mounting holes	4	
Mounting holes diameter	5,5 mm	(0,22 in)
Bolt circle diameter	170 mm	(6,69 in)
front mount baffle cutout diameter	148 mm	(5,83 in)
Rear mount baffle cutout diameter	148 mm	(5,83 in)
Flange and gasket thickness	9,5 mm	(0,37 in)
Total depth	72 mm	(2,83 in)
Net weight	1,25 kg	(2,76 lb)
Shipping weight	1,8 kg	(3,97 lb)
CardBoard packing dimensions	170 x 170 x 80 mm (6,69 x 6,69 x 3,15 in)	

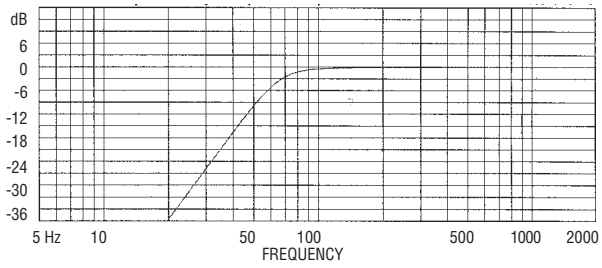
FREQUENCY RESPONSE CURVE OF 6ND430 MADE ON 18 Lit. CLOSED ENCLOSURE TUNED 60Hz IN FREE FIELD (4pi) ENVIROMENT. ENCLOSURE CLOSE THE REAR OF THE DRIVER . THE THIN LINE REPRESENTS 45 DEG. OFF AXIS FREQUENCY RESPONSE



FREE AIR IMPEDANCE MAGNITUDE CURVE



NORMALIZED AMPLITUDE RESPONSE (dB/Hz)



Box Parameters
Custom Vented Box

Vb	= 12,00 Lt.	**Fill**	= normal
Fb	= 65.0 Hz	**Dv**	= 65,00 cm
QL	= 7.0	**Lv**	= 13,20 cm

(1) AES standard
(2) Continuous power rating is measured in 18 lit closed enclosure tuned 60 Hz using a 70 -3000Hz band limited pink noise test signal applied continuously for 2 hours.
(3) "Program power rating is measured as for "2" above but 50% duty cycle ."
(4) The peak power rating is based on a 6dB crest factor above the continuous power rating and represents the maximum permitted instantaneous peak power level over a maximum period of 10ms which will be withstood by the loudspeaker whituout damage.
(5) 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 4 V sine wave test signal swept between 500Hz and 2500Hz with the test specimen mounted in the same enclosure as given for 2 above.
(6) 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 enviroment.
(7) Power compression represents the loss of sensitivity for the specified power, measured from 100-1000 Hz, after a 5 min pink noise preconditioning test at the specified power.
(8) 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 ashort period of use .
(9) Linear Mat. Xmax is calculated as; (Hvc-Hg)/2 + Hg/4 where Hvc is the coil depth and Hg is gap depth.