



### Key features

- 102 dB SPL 1W/1m average sensitivity
- 45mm edgewound aluminum voice coil
- 180 W continuous pink noise power handling
- Neodymium motor assembly
- Extremely high sound quality
- Very shallow profile, 58mm (2,3 in)

### GENERAL SPECIFICATIONS

NOMINAL DIAMETER	152mm	( 6 in )
RATED IMPEDANCE	8 ohms	
CONTINUOUS PINK NOISE	180 W	(1)
CONT. POWER	120 W	(2)
PROGRAM POWER	240 W	(3)
PEAK POWER	480 W	(4)
SENSITIVITY	102 dB	(5)
FREQUENCY RANGE	200 + 8000 Hz	(6)
POWER COMPRESSION		(7)
@-10 dB (12 W)	0,4 dB	
@-3 dB (60 W)	1,2 dB	
@FULL POWER (120 W)	1,9 dB	
MAX RECOMMENDED FREQUENCY	5000 Hz	
RECOMM. ENCLOSURE VOLUME	1 - 5 lt.	( 0,04 - 0,18 cuft )
MINIMUM IMPEDANCE	8,2 ohms at 25 deg.	
MAX EXCURSION PEAK TO PEAK	8 mm	( 0,31 in )
VOICE COIL DIAMETER	45 mm	( 1,77 in )
VOICE COIL WINDING MATERIAL	aluminum	

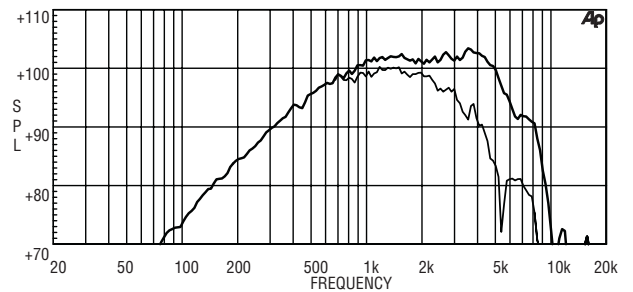
### THIELE-SMALL PARAMETERS (8)

Fs	120 Hz	
Re	5,9 ohms	
Sd	0,0143 sq.mt.	( 20,6 sq.in. )
Qms	2,2	
Qes	0,27	
Qts	0,24	
Vas	6,2 lt.	( 0,22 cuft )
Mms	8,2 gr.	( 0,02 lb )
BL	11,6 Tm	
Linear Mathematical Xmax	± 2 mm	( ± 0,08 in ) (9)
Le (1kHz)	0,67 mH	
Ref. Efficiency		
dB / 1W / 1m ( half space )	97,9 dB	

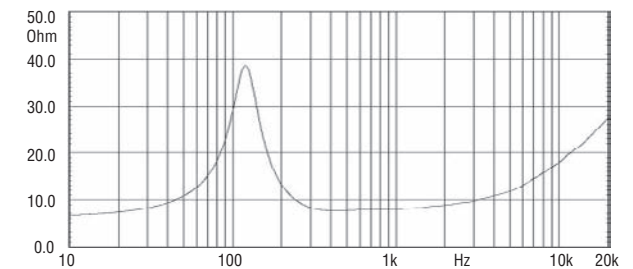
### MOUNTING INFORMATION

Overall diameter	162 mm	( 6,38 in )
N. of mounting holes	4	
Mounting holes diameter	5,5 mm	( 0,22 in )
Bolt circle diameter	170mm	( 6,69 in )
front mount baffle		
cutout diameter	148 mm	( 5,83 in )
back mount baffle		
cutout diameter	148 mm	( 5,83 in )
Flange and gasket thickness	9,5 mm	( 0,37 in )
Total depth	58 mm	( 2,28 in )
Net weight	1,250 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 )

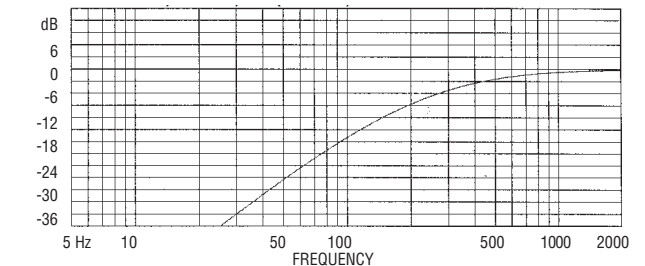
FREQUENCY RESPONSE CURVE OF 6ND410 MADE ON 2 Lt. CLOSED ENCLOSURE IN FREE FIELD (4pi) ENVIRONMENT. ENCLOSURE CLOSE THE REAR OF THE DRIVER . THE THIN LINE REPRESENTS 45 DEG. OFF AXIS FREQUENCY RESPONSE



FREE AIR IMPEDANCE MAGNITUDE CURVE



NORMALIZED AMPLITUDE RESPONSE (dB/Hz)



### Box Parameters

Custom Close Box

Vb = 2,00 Lt.

Fill = normal

QL = 7.0

F3 = 460 Hz

(1) AES standard

(2) Continuous power rating is measured in 2 lit. closed enclosure using a 300 -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 without 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 2,83 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 environment.

(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 180 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.