15ND930

Extended LF Neodymium Transducer

98 dB SPL 1W / 1m average sensitivity
75 mm (3 in) edgewound voice coil
500W AES power handling
Neodymium magnet assembly
Double Demodulating Rings (DDR) for lower distortion
Humidity resistant cone
Ideal for two way systems and for high loading compact subwoofer applications
External neodymium magnet assembly
Weather protected cone and plates for outdoor usage
Recommended for multiway systems and studio monitoring applications

GENERAL SPECIFICATIONS

Nominal Diameter	380mm (15 in)
Rated Impedance	8 Ohm
AES Power (1)	500W
Program Power (2)	800W
Peak Power	1600W
Sensitivity (3)	98 dB
Frequency Range (4)	40 - 4100 Hz
Power Compression @-10dB	0,6 dB
Power Compression @-3dB	1,9 dB
Power Compression @Full Power	2,8 dB
Max Recomm. Frequency	1700 Hz
Recomm. Enclosure Volume	60 - 140 lt. (2,12 - 4,95 cuft)
Minimum Impedance	6,8 Ohm at 25°C
Max Peak To Peak Excursion	33 mm (1,3 in)

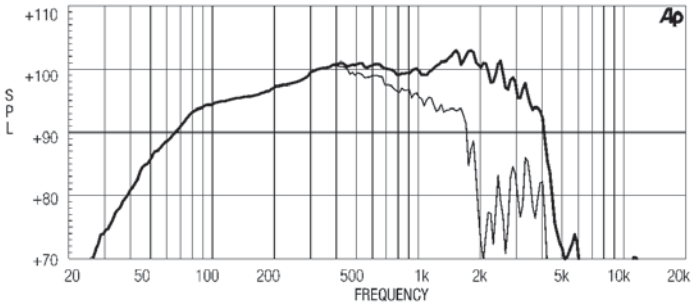
THIELE SMALL PARAMETERS (5)

Fs	36 Hz
Re	5,5 Ohm
Sd	0,085 sq.mt. (131,75 sq. in.)
Qms	5,3
Qes	0,23
Qts	0,22
Vas	206 lt. (7,28 cuft)
Mms	101 gr. (0,22 lb)
BL	23,8 Tm
Linear Mathematical Xmax (6)	± 7,5 mm (± 0,30 in)
Le (1kHz)	1,61 mH
Ref. Efficiency 1W@1m (half space)	98,2 dB

MOUNTING INFORMATION

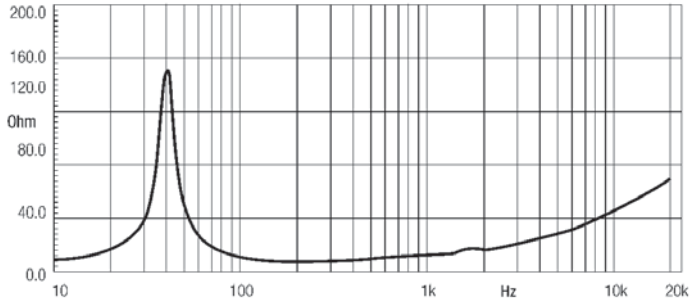
Overall diameter	387 mm (15,24 in)
N. of mounting holes and bolt	8
Mounting holes diameter	7,15 mm (0,28 in)
Bolt circle diameter	370-371 mm (14,55-14,6 in)
Front mount baffle cutout Ø	353 mm (13,9 in)
Rear mount baffle cutout Ø	357 mm (14,06 in)
Total depth	177 mm (7 in)
Flange and gasket thickness	11,5 mm (0,45 in)
Net weight	4,1 kg (9 lb)
Shipping weight	4,8 kg (10,5 lb)
CardBoard Packaging dimensions	405 x 405 x 214 mm (15,94 x 15,94 x 8,43 in)

FREQUENCY RESPONSE CURVE



FREQUENCY RESPONSE CURVE OF 15ND930 MADE ON 125 LIT. ENCLOSURE TUNED 50HZ 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



FREE AIR IMPEDANCE MAGNITUDE CURVE

NOTES

(1) AES power is determined according to AES2-1984 (r2003) standard
(2) Program power rating is measured in 125 lt enclosure tuned at 50Hz using a 40-400Hz 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 2,83 V sine wave test signal swept between 100Hz and 500Hz 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 500 W AES power and represent the expected long term parameters after a short period of use.
(6) Linear Math. Xmax is calculated as (Hvc-Hg)/2 + Hg/4 where Hvc is the coil depth and Hg is the gap depth.