



21NLW9001

Extended LF Neodymium Transducer

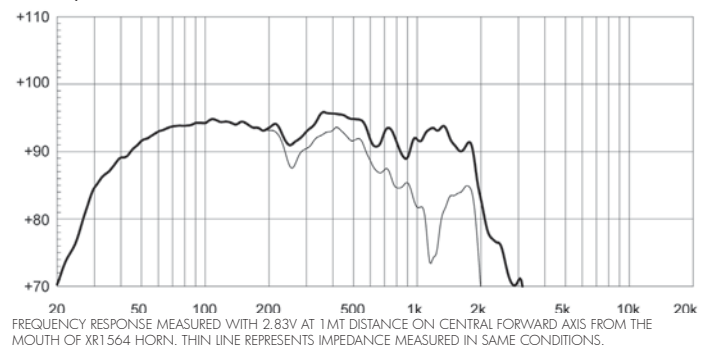
- 98 dB SPL 1W / 1m average sensitivity
- 135 mm (5.3 in) split winding four layers ISV copper coil
- 3600 W program power handling
- Carbon fiber reinforced cellulose cone
- Double Silicon Spider (DSS) for improved excursion control
- Aluminum demodulating ring (SDR) for lower distortion
- Low noise forced ventilation design for low power compression
- Weather protected cone and plates for outdoor usage
- Suitable for vented and bandpass subwoofer systems



GENERAL SPECIFICATIONS

Nominal Diameter	533 mm (21 in)
Rated Impedance	8 Ohm
AES Power (1)	1800W
Program Power (2)	3600W
Peak Power	10000W
Sensitivity (3)	98 dB
Frequency Range (4)	25 - 1500 Hz
Power Compression @-10dB	0,7 dB
Power Compression @-3dB	1,5 dB
Power Compression @Full Power	2,2 dB
Max Recomm. Frequency	150 Hz
Recomm. Enclosure Volume	120 - 500 lt (4,24 - 17,7 cuft)
Minimum Impedance	7,6 Ohm at 25°C
Max Peak To Peak Excursion	70 mm (2,75 in)

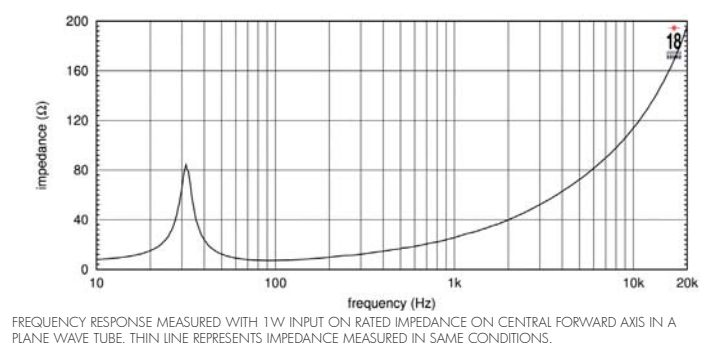
FREQUENCY RESPONSE CURVE



THIELE SMALL PARAMETERS (5)

Fs	32 Hz
Re	5,9 Ohm
Sd	0,1662 sq.mt. (257,6 sq.in.)
Qms	4,5
Qes	0,34
Qts	0,31
Vas	244 lt. (8,62 cuft)
Mms	390 gr. (0,86 lb)
BL	37 Tm
Linear Mathematical Xmax (6)	±14 mm (±0,55 in)
Le (1kHz)	3,1 mH
Ref. Efficiency 1W@1m (half space)	95,5 dB

FREE AIR IMPEDANCE MAGNITUDE CURVE



MOUNTING INFORMATION

Overall diameter	545 mm (21,46 in)
N. of mounting holes and bolt	8
Mounting holes diameter	8,5 mm (0,33 in)
Bolt circle diameter	520 mm (20,47 in)
Front mount baffle cutout Ø	492 mm (19,37 in)
Rear mount baffle cutout Ø	490 mm (19,29 in)
Total depth	250 mm (9,8 in)
Flange and gasket thickness	18 mm (0,7 in)
Net weight	14 kg (30,9 lb)
Shipping weight	15,5 kg (34,2 lb)
CardBoard Packaging dimensions	570x570x290 mm (22,4x22,4x11,4 in)

NOTES

- 1) AES power is determined according to AES2-1984 (r2003) standard
- 2) Program power rating is measured in 250 lit. enclosure tuned at 28 Hz using a 30-300 band limited pink noise test signal applied for 2 hours and with 50% duty cycle
- 3) The peak power rating represents the maximum permitted instantaneous peak power level over a maximum period of 10ms which will be withstood by the loudspeaker without damage.
- 4) Sensitivity represents the averaged value of acoustic output as measured on the forward central axis of cone, at distance 1 m from the baffle panel, when connected to 2,83V sine wave test signal swept between 100Hz and 500Hz with the test specimen mounted in the same enclosure as given for #2 above.
- 5) 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.
- 6) Linear Math Xmax is calculated as: $(Hvc+Hg)/2 + Hg/4$ where Hvc is the coil depth and Hg is the gap depth.