

The Radian 2216 Neo 15" low frequency transducer produces extremely high levels of bass energy. This woofer is designed as an extended low frequency device, used as a subwoofer or general purpose LF transducer. It features a DUAL Neodymium magnet structure which yields more power in it's speaker class.

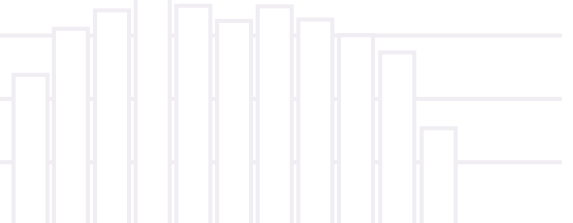
Integral to this design is a composite ribbed cone, reinforced with X-5 material. The voice coil is a DOUBLE wound coil for better transient response, it uses advanced adhesives to give it extra power handling.

The 2216 Neo has 1400 watts of AES power handling with a high-energy magnetic structure featuring a venturi cross section to increase ventilation efficiency, the output sensitivity is 101 dB (one watt, one meter 36 Hz) with continuous sound pressure level equal to 131dB.

The Radian 2216 Neo has an extended travel voice coil gap that produces the result of a large Xmax value of 21.3 mm.



- ✓ LOW DISTORTION
- ✓ 4" Double Layer VOICE COIL
- ✓ X-5 Treated & Coated Cone
- ✓ VENTURI-VENTED COOLING
- ✓ 1400 WATTS AES
2800 WATTS PROGRAM POWER
- ✓ DUAL NEODYMIUM MAGNETS
- ✓ CAST ALUMINUM FRAME
- ✓ HIGH SENSITIVITY



2216 Neo



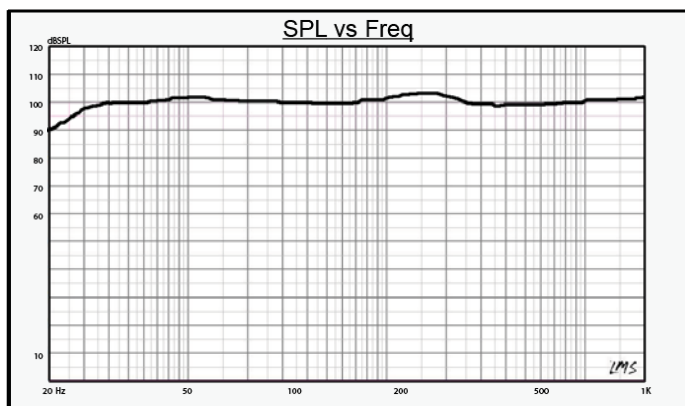
15" DUAL MAGNET EXTENDED LOW FREQUENCY LOUDSPEAKER

SPECIFICATIONS

FREQUENCY RESPONSE	28 Hz – 2000 Hz
MAXIMUM POWER HANDLING *	1400 watts AES 2800 watts continuous program
SENSITIVITY 36 Hz **	101 dB
RECOMMENDED CROSSOVER	90 – 900 Hz
NOMINAL IMPEDANCE	8 ohms
VOICE COIL DIAMETER	4.0" (101.6 mm)
RECOMMENDED ENCLOSURE	4. ft. ³ – 6.5 ft. ³ (113 – 170 liters)
WOOFER CONE MATERIAL	X-5 Treated & Coated Cone
VOICE COIL MATERIAL	Double Layer Edgewood Aluminum
BASKET MATERIAL	Cast Aluminum
OVERALL DIAMETER	15.25" (387.325mm)
MOUNTING BOLT CIRCLE	14.56" (369.87mm)
CUT-OUT DIAMETER	14.00" (355mm)
OVERALL DEPTH	6" (152.4mm)
INPUT CONNECTORS	Pushbutton Terminals
WEIGHT	14.00 lbs. (6.35 kg)
THIELE /SMALL PARAMETERS:	
Q _{TS}	0.168
Q _{MS}	2.721
Q _{ES}	0.179
V _{AS}	4.5 (ft. ³), 127.5 liters - 6.5 (ft. ³), 184.0 liters
F _s (Hz)	36.8
X _{MAX} (IN)	0.84, 21.3mm
R _E (Ω)	5.6
S _D (IN ²)	137.88 (0.0889m ²)
BL	34.229 TM

*EIA Standard RS-426A

**One watt at one meter



Amplitude vs. Frequency Response of the Radian 2216 Neo as measured in a 4.6 cubic ft. enclosure, tuned to 36 Hz on axis with a one watt (2.83 Vrms), swept sine wave input at 8 ohms.

Specifications subject to change without notice.

LIMITED WARRANTY

Radian Audio Engineering, Inc. products, when sold domestically, are guaranteed for a period of five (5) years from the date of original purchase against malfunctions due to defects in workmanship. If such a malfunction occurs, the product will be repaired or replaced at our option, without charge, if delivered prepaid to the factory. Product will be returned prepaid via ground transport. This warranty does not extend to damage resulting from improper installation, misuse, neglect or abuse. The warranty does not apply to external finish or appearance. The warranty does not apply to burnt voice coils. In no event shall Radian Audio Engineering, Inc. be liable for incidental or consequential damages including, without limitation, injury to persons or property or loss of use.

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