



15LW2400

Extended LF Ferrite Transducer

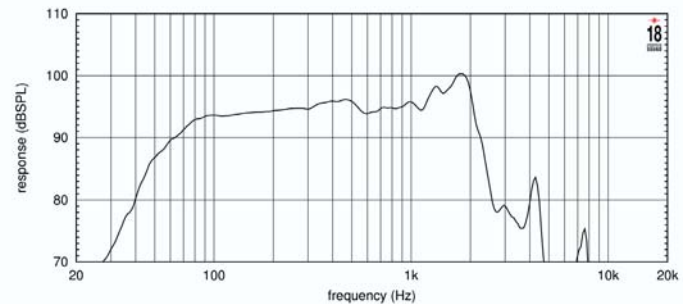
- 97 dB SPL 1W / 1m average sensitivity
- 100 mm (4 in) Interleaved Sandwich Voice coil (ISV)
- 2400 W program power handling
- Weather protected fiberglass reinforced cellulose cone
- Double Silicon Spider (DSS) for improved excursion control and linearity
- Unlimited life lead wire construction
- Improved heat dissipation via multi-cell air diffractor and multiple backplate vents
- Suitable for 60 to 130 liters low bass or subwoofer applications



GENERAL SPECIFICATIONS

Nominal Diameter	380 mm (15 in)
Rated Impedance	8 Ohm
AES Power (1)	1200 W
Program Power (2)	2400 W
Peak Power	7000 W
Sensitivity (3)	97 dB
Frequency Range (4)	40 - 2200 Hz
Power Compression @-10dB	0,7 dB
Power Compression @-3dB	1,5 dB
Power Compression @Full Power	2,2 dB
Max Recomm. Frequency	500 Hz
Recomm. Enclosure Volume	60 - 130 lt. (2.12 - 4.59 cuft)
Max Peak To Peak Excursion	38 mm (1,53 in)
Voice Coil Diameter	100 mm (4 in)

FREQUENCY RESPONSE CURVE

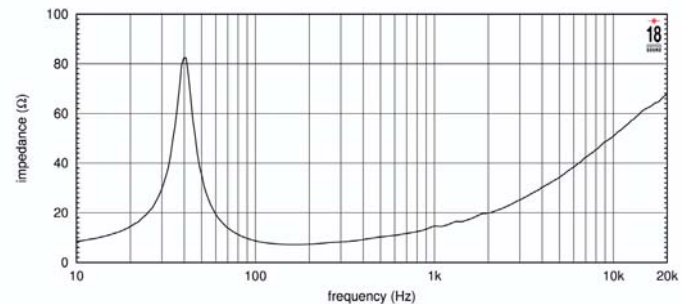


FREQUENCY RESPONSE CURVE OF 15LW2400 MADE ON 125 LIT. ENCLOSURE TUNED 50HZ IN FREE FIELD (4PI) ENVIRONMENT. ENCLOSURE CLOSES THE REAR OF THE DRIVER. THE THIN LINE REPRESENTS 45 DEG. OFF AXIS FREQUENCY RESPONSE

THIELE SMALL PARAMETERS (5)

Fs	40 Hz
Re	5,3 Ohm
Sd	0,090 sq.mt. (1 39,5 sq.in.)
Qms	4,75
Qes	0,32
Qts	0,3
Vas	131 lt. (4.63 cuft)
Mms	138 gr. (0,30 lb)
BL	24 Tm
Linear Mathematical Xmax (6)	± 10 mm (±0,39 in)
Le (1kHz)	1,25 mH
Ref. Efficiency 1W@1m (half space)	96,4 dB

FREE AIR IMPEDANCE MAGNITUDE CURVE



FREE AIR IMPEDANCE MAGNITUDE CURVE

MOUNTING INFORMATION

Overall diameter	393 mm (15.47 in)
N. of mounting holes and bolt	8
Mounting holes diameter	7,15 mm (0,28 in)
Bolt circle diameter	371 mm (14.6 in)
Front mount baffle cutout Ø	354mm (13.93 in)
Rear mount baffle cutout Ø	360 mm (14.17 in)
Total depth	181 mm (7.13 in)
Flange and gasket thickness	12,5 mm (0,49 in)
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Net weight	11,2 kg (24.7 lb)
Shipping weight	12,2 kg (26.9 lb)

NOTES

- (1) AES power is determined according to AES2-1984 (r2003) standard
- (2) Program power rating is measured in 125 lit enclosure tuned 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 2,83V sine wave test signal swept between 100Hz and 500Hz with the test specimen mounted in the same enclosure as given for (1) 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 AES power and represent the expected long term parameters after a short period of use.
- (6) Linear Math. Xmax is calculated as $(HvcHg)/2 + Hg/4$ where Hvc is the coil depth and Hgis the gap depth.