21LW1400

Extended Low Frequency Ferrite Driver

Key Features

99 dB SPL 1W / 1m average sensitivity

100mm (4") Interleaved Sandwich Voice coil (ISV)

1500W continuous pink noise

Weather protected cone and plates for outdoor usage

Double Silicon Spider (DSS) for improved excursion control and linearity

Double Demodulating Rings (DDR) for lowest distortion and improved heat dissipation

Improved heat dissipation via unique basket design

GENERAL SPECIFICATIONS

NOMINAL DIAMETER	533mm	(21 in)
RATED IMPEDANCE	8 ohms	
CONTINUOUS PINK NOISE *(1)*	1500W	
SENSITIVITY *(2)*	99 dB	
FREQUENCY RANGE *(3)*	24 - 2000 Hz	
MAX RECOMM. FREQUENCY	250 Hz	
RECOMM. ENCLOSURE VOLUME	120 - 500 lt.	(4,24 - 17,7 cuft)
VOICE COIL DIAMETER	100 mm	(4 in)
NET WEIGHT	19,2 kg	(42,38 lb)

THIELE-SMALL PARAMETERS *(4)*

Fs	28 Hz	
Re	5 ohms	
Sd	0,1662 sq.mt.	(257,6 sq.in.)
Qms	9,32	
Qes	0,242	
Qts	0,235	
Vas	385 lt.	(13,6 cuft)
Mms	296 gr.	(0,65 lb)
BL	33,5 Tm	
Linear Mathematical Xmax *(5)*	± 9,5 mm	(± 0,37 in)
Le (1kHz)	2,85 mH	
Ref. Efficiency 1W @ 1m (half space)	98,0 dB	

(1) AES standard

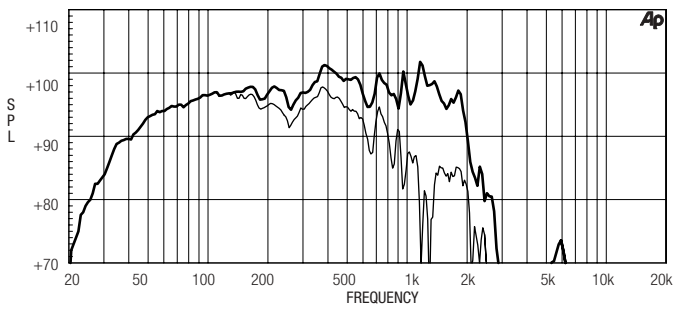
(2) Sensitivity represents the averaged value of acoustic output as measured on the forward central axis of cone , at distance 1m from the baffle panel, when connected to 2,83 V sine wave test signal swept between 100Hz and 500Hz with the test specimen mounted in the same enclosure as given for graph text below.

(3) 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.

(4) Thiele - Small parameters are measured after the test specimen has been conditioned by 1500 W AES power and represents the expected long term parameters after a short period of use .

(5) Linear Mat. Xmax is calculated as (Hvc-Hg)/2 + Hg/4 where Hvc is the coil depth and Hg is gap depth.

FREQUENCY RESPONSE CURVE OF 21LW1400 MADE ON 250 LIT. ENCLOSURE TUNED 28HZ 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