SAN184.03

18" SUBWOOFER

NEODYMIUM MAGNET
ALUMINIUM BASKET DRIVER

- 4 INCH COPPER VOICE COIL
- 96 dB/SPL SENSITIVITY
- 3000 WATT PROGRAM POWER HANDLING
- FEM OPTIMIZED MOTOR AND SUSPENSIONS
- 43,4 mm (1.7 INCH) PEAK TO PEAK EXCURSION
- OPTIMIZED COOLING SYSTEM
- DOUBLE SILICON SPIDER
- ALUMINIUM DEMODULATING RING
- TRIPLE ROLL SURROUND

GENERAL SPECIFICATIONS

Nominal diameter	mm (in.)	460 (18)
Nominal impedance	Ω	8
Minimum impedance	Ω	6,6
Program power (1)	W	3000
AES Power rating (2)	W	1500
Sensitivity (3)	dB	96
Frequency range	Hz	30 ÷ 1000
Voice coil diameter	mm (in.)	100 (4)
Chassis material	Aluminium	
Magnet material	Neodymium	
Magnet dimensions OD x ID x h	mm (in.)	97 x 20 x 14 (3.82 x 0.79 x 0.55)
Coil material	Copper	
Former material	Glass Fiber	
Cone material	Water Resistant Treated Paper + Water Proof Both Sides Treatment	
Surround material	Polycotton	
Xmax (4)	mm (in.)	12,5 (0.49)
Xmech (5)	mm (in.)	21,7 (0.85)
Gap height	mm (in.)	15 (0.59)
Voice coil winding height	mm (in.)	32,5 (1.28)
Driver displacement volume	l (ft³)	7,8 (0.28)
Recommended enclosure	l (ft³)	200 (7.06)
Recommended tuning	Hz	35

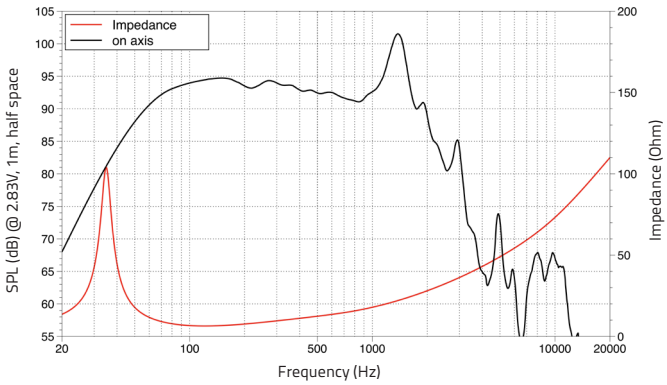
SMALL SIGNAL PARAMETERS

DC resistance	Re	Ohm	5,7
Resonance frequency	Fs	Hz	36
Moving mass	Mms	g (oz)	259,28 (9.15)
Compliance	Cms	mm/N	0,075
Force factor	BxL	N/A	27,75
Mechanical Q-factor	Qms		5,64
Electrical Q-factor	Qes		0,44
Total Q-factor	Qts		0,41
Equivalent air volume	Vas	l (ft³)	157,98 (5.58)
Voice coil Inductance	Le	mH	2,13
Diaphragm area	Sd	cm² (in.²)	1220 (189,1)
Reference efficiency	Eta 0	%	1,63
Efficiency bandwidth product	EBP	Hz	82

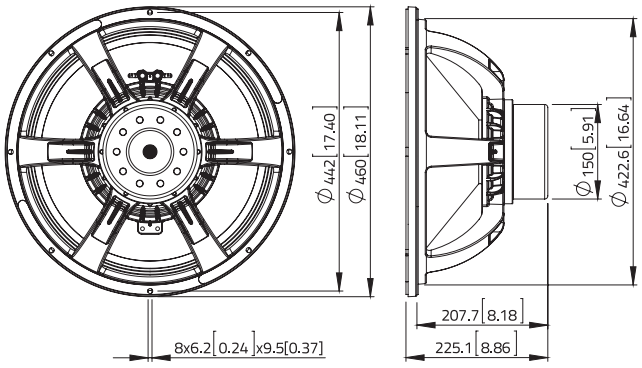
SHIPPING INFORMATION

Net weight	kg (lb.)	11 (24.3)
Multipack size (1) W x D x H	mm (in.)	495 x 495 x 270 (19.5 x 19.5 x 10.6)
Multipack weight	kg (lb.)	12,7 (28)

FREQUENCY RESPONSE AND IMPEDANCE



DIMENSIONS mm (in.)



(1) Program power is defined as 3 dB greater than AES Power. **(2)** Tested for two hours using a continuous, band-limited pink noise signal as per AES 2-1984 Rev. 2003. Loudspeaker tested in free air. **(3)** From T/S parameters, measured with Klippel DA LPM module. **(4)** The Xmax is calculated as: (Hvc - Hg)/2+ Hg/4. Hvc is the voice coil height and Hg the gap height. **(5)** The Xmech is calculated as: (Hvc - Hg)/2 +(Hg-2). Hvc is the voice coil height and Hg the gap height. **(6)** Thiele-Small parameters are measured after preconditioning: a) at 20°C- 22°C, 50% humidity for 2 hours; b) by Klippel LSI measurement.

All specifications subject to change without notice_H.a

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