

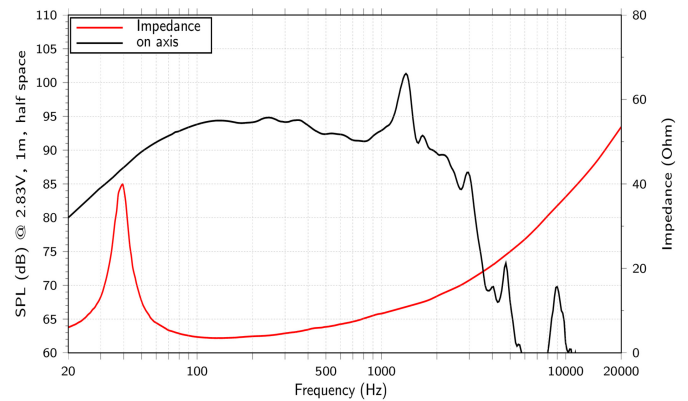
SAF184.03

Lavoce

18" SUBWOOFER

FERRITE MAGNET
ALUMINIUM BASKET DRIVER

- 4 INCH COPPER VOICE COIL
- 96 dB/SPL SENSITIVITY
- 3000 WATT PROGRAM POWER HANDLING
- FEM OPTIMIZED MOTOR AND SUSPENSIONS
- 42,6 mm (1.7 INCH) PEAK TO PEAK EXCURSION
- OPTIMIZED COOLING SYSTEM
- DOUBLE SILICON SPIDER
- ALUMINIUM DEMODULATING RING
- TRIPLE ROLL SURROUND



GENERAL SPECIFICATIONS

Nominal Diameter	460 mm (18 in)
Nominal Impedance	8 ohm
Minimum Impedance	7 ohm
Program Power	3000 W Program power is defined as 3 dB greater than AES Power.
AES Power Rating	1500 W Tested for two hours using a continuous, band-limited pink noise signal as per AES 2-1984 Rev. 2003. Loudspeaker tested in free air.
Sensitivity	96 dB From T/S parameters, measured with Klippel DA LPM module.
Frequency Range	30 ÷ 1000 Hz
Voice Coil Diameter	100 mm (4 in)
Chassis Material	ALUMINIUM
Magnet Material	FERRITE
Magnet Dimensions OD x ID x h	220 x 115 x 30 mm (8.66 x 4.53 x 1.18 in)
Coil Material	COPPER
Former Material	GLASS FIBER
Cone Material	WATER RESISTANT TREATED PAPER + WATER PROOF FRONT SIDES TREATMENT
Surround Material	POLYCOTTON
Xmax	12.1 mm (0.48 in) The Xmax is calculated as: $(H_{vc} - H_g)/2 + H_g/4$. Hvc is the voice coil height and Hg the gap height.
Xmech	21.3 mm (0.84 in) The Xmech is calculated as: $(H_{vc} - H_g)/2 + (H_g - 2)$. Hvc is the voice coil height and Hg the gap height.
Gap Height	15 mm (0.59 in)
Voice Coil Winding Height	31.7 mm (1.25 in)
Driver Displacement Volume	8.5 l (0.3 ft³)
Recommended Enclosure	175 l (6.18 ft³)
Recommended Tuning	35 Hz

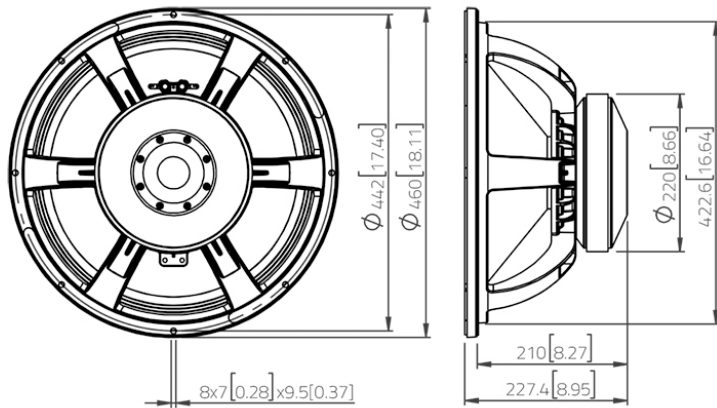
SMALL SIGNAL PARAMETERS

Thiele-Small parameters are measured after preconditioning: a) at 20°C- 22°C, 50% humidity for 2 hours; b) by Klippel LSI measurement.

DC Resistance (Re)	5.7 ohm
Diaphragm Area (Sd)	1220 cm² (189.1 in²)

Resonance Frequency (Fs)	38 Hz
Moving Mass (Mms)	255.5 g (9.013 oz)
Compliance (Cms)	0.068 mm/N
Force Factor (BxL)	28.05 N/A
Mechanical Q-Factor (Qms)	6.39
Electrical Q-Factor (Qes)	0.44
Total Q-Factor (Qts)	0.42
Equivalent Air Volume (Vas)	143.23 l (5.058 ft ³)
Voice Coil Inductance (Le)	1.98 mH
Reference Efficiency (Eta 0)	1.73 %
Efficiency Bandwidth Product (EBP)	86 Hz

DIMENSIONS



SHIPPING INFORMATION

Net Weight	16.4 kg (36.156 lb)
Multipack Quantity	1
Multipack size W x D x H	490 mm x 490 mm x 270 mm (19.3 in x 19.3 in x 10.6 in)
Multipack Weight	18.3 kg (40.34 lb)

REPAIR KITS

LF Repair Kit	VRK10184
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