



FERRITE MAGNET  
STEEL BASKET  
DRIVER

BASS

KEYBOARD

WWW.LAVOCESPEAKERS.COM

# FBASS10-18

## 10" BASS GUITAR SPEAKER

The classic ferrite 10 inch speaker with a solid low-end, very smooth frequency response and a top-end which will blend perfectly with a bullet tweeter or other HF device.

150 W

1.8" VC

96 dB

60-5000 Hz

### GENERAL SPECIFICATIONS

Nominal diameter	mm (in.)	250 (10)
Nominal impedance	$\Omega$	8
Minimum impedance	$\Omega$	6,3
Program power (1)	W	300
AES Power rating (2)	W	150
Sensitivity (3)	dB	96
Frequency range	Hz	60 ÷ 5000
Voice coil diameter	mm (in.)	45 (1.8)
Chassis material		Steel
Magnet material		Ferrite
Magnet dimensions OD x ID x h	mm (in.)	134 x 60 x 18 (5.28 x 2.36 x 0.71)
Coil material		Copper
Former material		Glass Fiber
Cone material		Water Resistant Treated Paper
Surround material		Polycotton
Xmax (4)	mm (in.)	4,5 (0.18)
Xmech (5)	mm (in.)	7 (0.28)
Gap height	mm (in.)	6 (0.24)
Voice coil winding height	mm (in.)	12 (0.47)
Driver displacement volume	l (ft <sup>3</sup> )	1 (0.04)
Recommended enclosure	l (ft <sup>3</sup> )	32,9 (1.16)
Recommended tuning	Hz	70

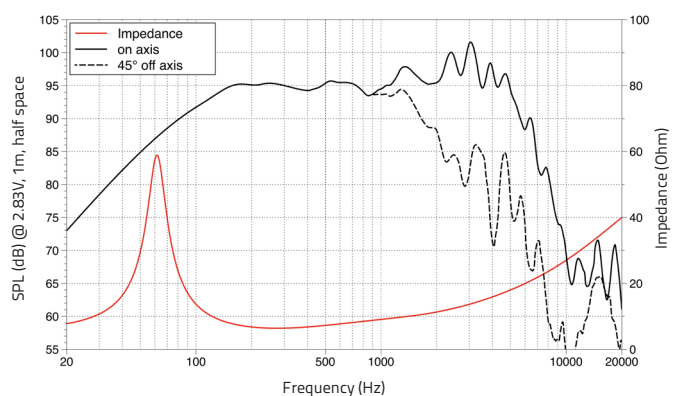
### SMALL SIGNAL PARAMETERS

DC resistance	Re	Ohm	5,6
Resonance frequency	Fs	Hz	65
Moving mass	Mms	g (oz)	32,18 (1.14)
Compliance	Cms	mm/N	0,184
Force factor	BxL	N/A	12,48
Mechanical Q-factor	Qms		4,84
Electrical Q-factor	Qes		0,48
Total Q-factor	Qts		0,43
Equivalent air volume	Vas	l (ft <sup>3</sup> )	32,4 (1.14)
Voice coil Inductance	Le	mH	0,49
Diaphragm area	Sd	cm <sup>2</sup> (in. <sup>2</sup> )	353 (54.7)
Reference efficiency	Eta 0	%	1,83
Efficiency bandwidth product	EBP	Hz	135

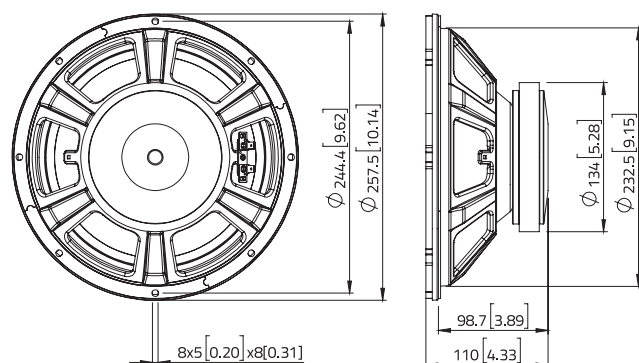
### SHIPPING INFORMATION

Net weight	kg (lb.)	2,7 (5.9)
Multipack size (1) W x D x H	mm (in.)	300 x 300 x 148 (11.8 x 11.8 x 5.8)
Multipack weight	kg (lb.)	3,7 (8)

### 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\_E.a