

# WSF030.70

Lavoce

## 3" WOOFER

FERRITE MAGNET  
STEEL BASKET DRIVER

- 0.75 INCH COPPER VOICE COIL
- 85.5 dB/SPL SENSITIVITY
- 60 WATT PROGRAM POWER HANDLING
- FEM OPTIMIZED MOTOR AND SUSPENSIONS
- RESONANCE FREE AND HEAVY DUTY BASKET DESIGN
- RUBBER SURROUND MATERIAL



### GENERAL SPECIFICATIONS

Nominal diameter	mm (in.)	70 (3)
Nominal impedance	Ω	8
Minimum impedance	Ω	6,9
Program power (1)	W	60
AES Power rating (2)	W	30
Sensitivity (3)	dB	85,5
Frequency range	Hz	100 ÷ 12000
Voice coil diameter	mm (in.)	20 (0.75)
Chassis material	Steel	
Magnet material	Ferrite	
Magnet dimensions	mm (in.)	70 x 32 x 15 (2.76 x 1.26 x 0.59)
Coil material	Copper	
Former material	Glass Fiber	
Cone material	Aluminium	
Surround material	Rubber	
Xmax (4)	mm (in.)	3,3 (0.13)
Xmech (5)	mm (in.)	4,3 (0.17)
Gap height	mm (in.)	4 (0.16)
Voice coil winding height	mm (in.)	8,5 (0.33)
Driver displacement volume	l (ft³)	0,111 (0.004)
Recommended enclosure	l (ft³)	0,068 (0.003)
Recommended tuning	Hz	N/A

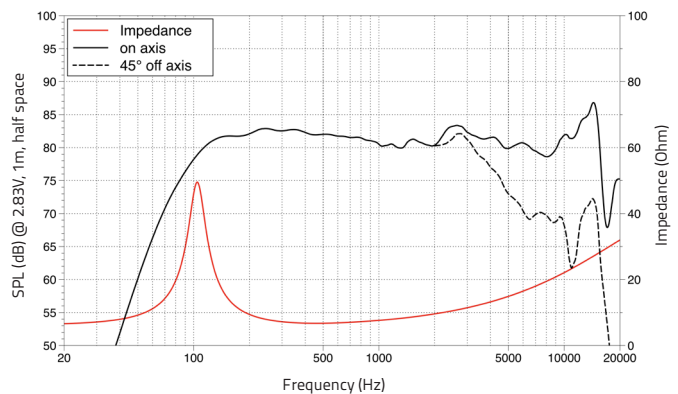
### SMALL SIGNAL PARAMETERS

DC resistance	Re	Ohm	6,1
Resonance frequency	Fs	Hz	109
Moving mass	Mms	g (oz)	3,7 (0.13)
Compliance	Cms	mm/N	0,574
Force factor	BxL	N/A	4,67
Mechanical Q-factor	Qms		4,11
Electrical Q-factor	Qes		0,71
Total Q-factor	Qts		0,61
Equivalent air volume	Vas	l (ft³)	0,895 (0.03)
Voice coil Inductance	Le	mH	0,34
Diaphragm area	Sd	cm² (in.²)	33,18 (5.1)
Reference efficiency	Eta 0	%	0,16
Efficiency bandwidth product	EBP	Hz	154

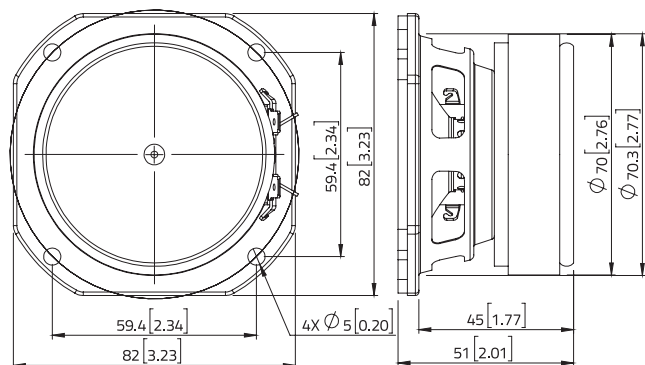
### SHIPPING INFORMATION

Net weight	kg (lb.)	0,5 (1.1)
Multipack size (20)	mm	458 x 210 x 150
W x D x H	(in.)	(18.3 x 8.3 x 5.9)
Multipack weight	kg (lb.)	11,4 (25.1)

### 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

