

WSF121.70G

12" ELECTRIC GUITAR SPEAKER

With driving lows and smooth mid-highs the WSF121.70G offers personally for aggressive high gain chops and responsiveness when playing cleaner tones.

100 W

1.8" VC

99 dB

70-5000 Hz

FERRITE MAGNET
STEEL BASKET DRIVER

ELECTRIC

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GENERAL SPECIFICATIONS

Nominal diameter	mm (in.)	300 (12)
Nominal impedance	Ω	8
Minimum impedance	Ω	7,3
Program power (1)	W	200
AES Power rating (2)	W	100
Sensitivity (3)	dB	99
Frequency range	Hz	70 ÷ 5000
Voice coil diameter	mm (in.)	45 (1.8)
Chassis material		Steel
Magnet material		Ferrite
Magnet dimensions OD x ID x h	mm (in.)	155 x 80 x 20 (6.14 x 3.15 x 0.79)
Coil material		Copper
Former material		Polymide
Cone material		Water Proof Treated Paper
Surround material		Paper
Xmax (4)	mm (in.)	2,7 (0.11)
Xmech (5)	mm (in.)	5,2 (0.2)
Gap height	mm (in.)	8 (0.31)
Voice coil winding height	mm (in.)	8,4 (0.33)
Driver displacement volume	l (ft ³)	2,2 (0.08)
Recommended enclosure	l (ft ³)	As required
Recommended tuning	Hz	Sealed or Open Back

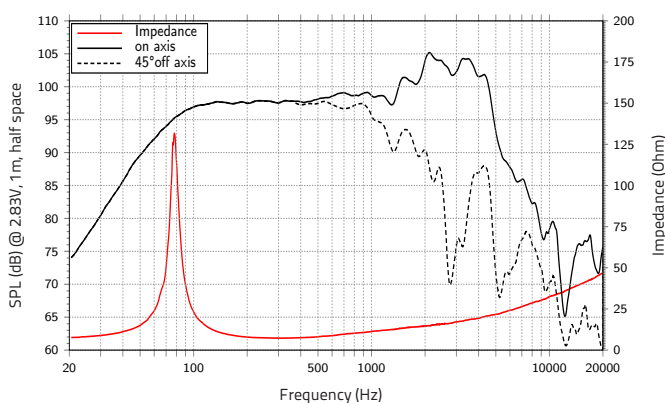
SMALL SIGNAL PARAMETERS

DC resistance	Re	Ohm	6,6
Resonance frequency	Fs	Hz	82
Moving mass	Mms	g (oz)	33,9 (1.19)
Compliance	Cms	mm/N	0,11
Force factor	BxL	N/A	13,6
Mechanical Q-factor	Qms		11,7
Electrical Q-factor	Qes		0,62
Total Q-factor	Qts		0,59
Equivalent air volume	Vas	l (ft ³)	41 (1.5)
Voice coil Inductance	Le	mH	0,58
Diaphragm area	Sd	cm ² (in. ²)	506 (78.43)
Reference efficiency	Eta 0	%	3,45
Efficiency bandwidth product	EBP	Hz	132

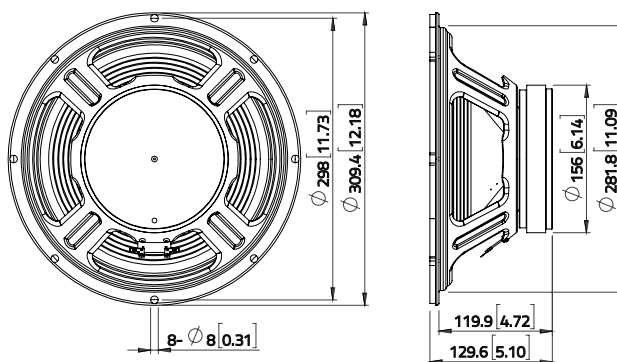
SHIPPING INFORMATION

Net weight	kg (lb.)	3,2 (7)
Multipack size (1) W x D x H	mm (in.)	356 x 356 x 173 (14 x 14 x 6.8)
Multipack weight	kg (lb.)	4,1 (9)

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: $(H_{vc} - H_g)/2 + H_g/4$. Hvc is the voice coil height and Hg the gap height. (5) The Xmech is calculated as: $(H_{vc} - H_g)/2 + (H_g - 2)$. 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