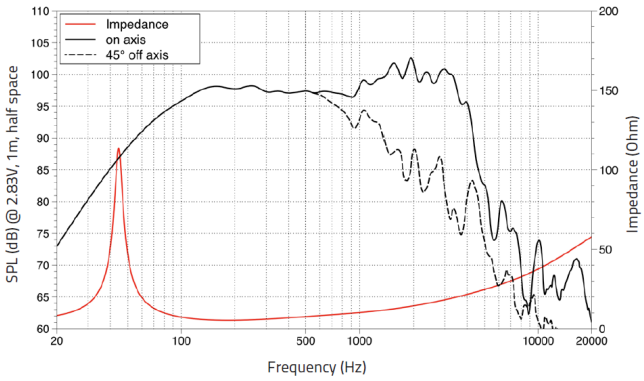
WAF153.00

15" WOOFER

FERRITE MAGNET
ALUMINIUM BASKET DRIVER

- 3 INCH CCAW VOICE COIL
- 99 dB/SPL SENSITIVITY
- 1000 WATT PROGRAM POWER HANDLING
- FEM OPTIMIZED MOTOR AND SUSPENSIONS
- OPTIMIZED COOLING SYSTEM



GENERAL SPECIFICATIONS

Nominal Diameter	**380 mm (15 in)**
Nominal Impedance	**8 ohm**
Minimum Impedance	**5.5 ohm**
Program Power	**1000 W** Program power is defined as 3 dB greater than AES Power.
AES Power Rating	**500 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	**99 dB** From T/S parameters, measured with Klippel DA LPM module.
Frequency Range	**40 ÷ 3000 Hz**
Voice Coil Diameter	**75 mm (3 in)**
Chassis Material	**ALUMINIUM**
Magnet Material	**FERRITE**
Magnet Dimensions OD x ID x h	**190 x 95 x 25 mm (7.48 x 3.74 x 0.98 in)**
Coil Material	**CCAW**
Former Material	**GLASS FIBER**
Cone Material	**WATER RESISTANT TREATED PAPER + WATER PROOF FRONT SIDES TREATMENT**
Surround Material	**POLYCOTTON**
Xmax	**7 mm (0.28 in)** The Xmax is calculated as: (Hvc - Hg)/2+ Hg/4. Hvc is the voice coil height and Hg the gap height.
Xmech	**12.5 mm (0.49 in)** The Xmech is calculated as: (Hvc - Hg)/2 +(Hg-2). Hvc is the voice coil height and Hg the gap height.
Gap Height	**10 mm (0.39 in)**
Voice Coil Winding Height	**19 mm (0.75 in)**
Driver Displacement Volume	**4.8 l (0.17 ft³)**
Recommended Enclosure	**102 l (3.602 ft³)**
Recommended Tuning	**50 Hz**

SMALL SIGNAL PARAMETERS

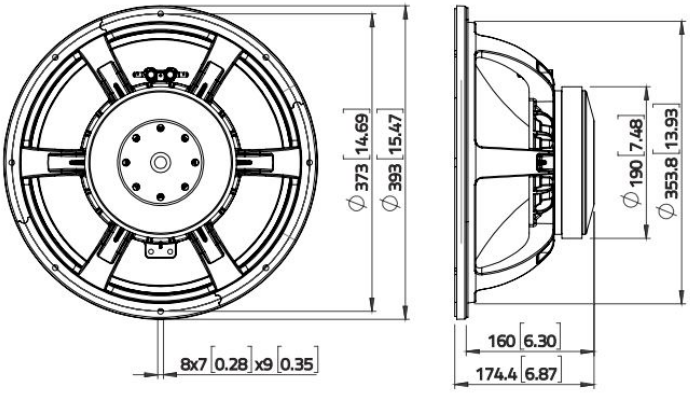
Thiele-Small parameters are measured after preconditioning: a) at 20°C- 22°C, 50% humidity for 2 hours; b) by Klippel LSI measurement.

DC Resistance (Re)	**4.7 ohm**
Diaphragm Area (Sd)	**855 cm² (132.525 in²)**

All the specifications subject to change without notice.

Resonance Frequency (Fs)	**43 Hz**
Moving Mass (Mms)	**99.2 g (3.499 oz)**
Compliance (Cms)	**0.141 mm/N**
Force Factor (BxL)	**17.88 N/A**
Mechanical Q-Factor (Qms)	**9**
Electrical Q-Factor (Qes)	**0.39**
Total Q-Factor (Qts)	**0.37**
Equivalent Air Volume (Vas)	**146.26 l (5.165 ft³)**
Voice Coil Inductance (Le)	**0.91 mH**
Reference Efficiency (Eta 0)	**2.78 %**
Efficiency Bandwidth Product (EBP)	**110 Hz**

DIMENSIONS



SHIPPING INFORMATION

Net Weight	**9.4 kg (20.723 lb)**
Multipack Quantity	**1**
Multipack size W x D x H	**410 mm x 410 mm x 260 mm (16.1 in x 16.1 in x 10.2 in)**
Multipack Weight	**10.7 kg (23.59 lb)**

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