

BF-8R LOW FREQUENCY TRANSDUCER

KEY FEATURES

- 100 W program power.
- 90 dB, 2,83V @ 1m sensitivity.
- Extended controlled displacement: $X_{max} \pm 5.7$ mm.
- Foam surround for extended bass response.
- Smooth and flat response and low distortion.
- Suited for bass and midbass applications, sealed or vented small cabinets.
- Steel basket.
- Ferrite magnet.



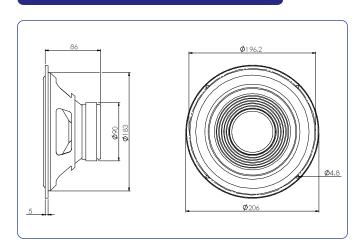
TECHNICAL SPECIFICATIONS

		200 mn	n 8 in
			8 Ω
			6,8 Ω
		50	W _{RMS}
			100 W
90 dB	2.8	3v @ 1n	n @ 2π
		30 - 6.	000 Hz
15 / 4	·0 I	0,53 /	1,41 ft ³
	25,	8 mm	1 in
		1 kg	2,2 lb
			5,9 N/A
		0,	,021 kg
			14 mm
			6 mm
			21 mm
		15 / 40 I	50 90 dB 2.83v @ 1n 30 - 6. 15 / 40 I 0,53 / 25,8 mm 1 kg

THIELE-SMALL PARAMETERS**

Resonant frequency, f _s	52 Hz
D.C. Voice coil resistance, R _e	5,5 Ω
Mechanical Quality Factor, Q _{ms}	5,56
Electrical Quality Factor, Q _{es}	1,10
Total Quality Factor, Q _{ts}	0,92
Equivalent Air Volume to C _{ms} , V _{as}	29,6 I
Mechanical Compliance, C _{ms}	438 μm / N
Mechanical Resistance, R _{ms}	1,26 kg / s
Efficiency, η ₀	0,36 %
Effective Surface Area, S _d	0,022 m ²
Maximum Displacement, X _{max} ***	5,7 mm
Displacement Volume, V _d	110 cm ³
Voice Coil Inductance, L _e @ 1 kHz	0,8 mH

DIMENSION DRAWINGS



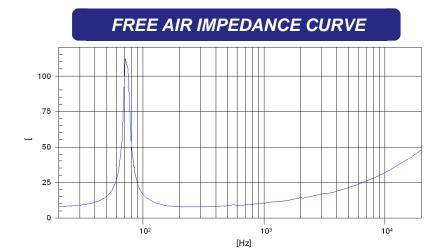
MOUNTING INFORMATION

Overall diameter	206 mm	8,11 in
Bolt circle diameter	196,2 mm	7,72 in
Baffle cutout diameter:		
- Front mount	183 mm	7,2 in
- Rear mount	194 mm	7,64 in
Depth	86 mm	3,39 in
Volume displaced by driver	1,5 l	0,07 ft ³
Net weight	1,17 kg	2,58 lb
Shipping weight	1,33 kg	2,93 lb

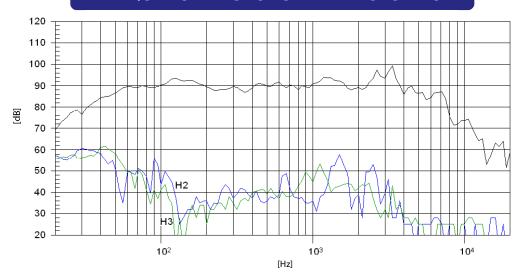
Notes:

- * The power capaticty is determined according to AES2-1984 (r2003) standard. Program power is defined as the transducer's ability to handle normal music program material.
- ** T-S parameters are measured after an exercise period using a preconditioning power test. The measurements are carried out with a velocity-current laser transducer and will reflect the long term parameters (once the loudspeaker has been working for a short period of time).
- *** The X $_{\rm max}$ is calculated as (L $_{\rm vc}$ H $_{\rm ag}$)/2 + (H $_{\rm ag}$ /3,5), where L $_{\rm vc}$ is the voice coil length and H $_{\rm ag}$ is the air gap height.





FREQUENCY RESPONSE AND DISTORTION



Note: On axis frequency response measured with loudspeaker standing on infinite baffle in anechoic chamber, 1W @ 1m

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