

5MP60/N

LOW & MID FREQUENCY TRANSDUCER

KEY FEATURES

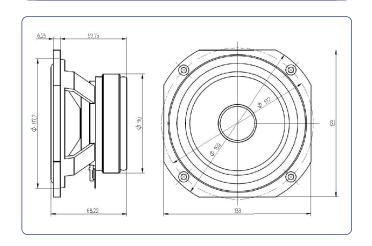
- 100 W program power
- Sensitivity: 88 dB @ 1 W @ 1 m
- Extended controlled displacement: X_{max} ± 5,5 mm
- Extended mechanical displacement capability:
 X_{damage} ± 20 mm
- Smooth, flat and wide frequency response
- Copper shorting-cup for reduced harmonic distortion
- Especially well suited for small bass-reflex cabinet for high quality monitor applications



TECHNICAL SPECIFICATIONS

125 mm 5 in
8 Ω
5,5 Ω
50 W _{RMS}
100 W
88 dB 1W @ 1m @ Z _N
50 - 12.000 Hz
10 / 20 I 0,35 / 0,7 ft ³
25,4 mm 1 in
6,4 N/A
0,011 kg
14 mm
6 mm
20 mm

DIMENSION DRAWINGS



THIELE-SMALL PARAMETERS**

Resonant frequency, f _s	63 Hz
D.C. Voice coil resistance, R _e	5,3 Ω
Mechanical Quality Factor, Q _{ms}	2,3
Electrical Quality Factor, Q _{es}	0,58
Total Quality Factor, Q _{ts}	0,46
Equivalent Air Volume to C _{ms} , V _{as}	5,77 I
Mechanical Compliance, C _{ms}	564 μm / N
Mechanical Resistance, R _{ms}	1,95 kg / s
Efficiency, η ₀	0,24 %
Effective Surface Area, S _d	0,0085 m ²
Maximum Displacement, X _{max} ***	5,5 mm
Displacement Volume, V _d	46 cm ³
Voice Coil Inductance, L _e @ 1 kHz	0,23 mH

MOUNTING INFORMATION

Overall diameter Bolt circle diameter Baffle cutout diameter:	134 mm 137 mm	5,27 in 5,40 in
- Front mount Depth	120 mm 68 mm	4,72 in 2,68 in
Volume displaced by driver	0,5 l	$0,02 \text{ ft}^3$
Net weight	1,2 kg	2,65 lb
Shipping weight	1,3 kg	2,80 lb

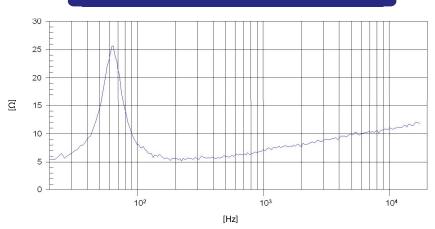
Notes:

- * 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_{max} is calculated as $(L_{VC}$ $H_{ag})/2$ + $(H_{ag}/3,5)$, where L_{VC} is the voice coil length and H_{ag} is the air gap height.

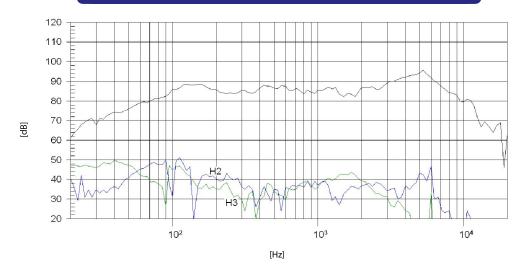


5MP60/N LOW & MID FREQUENCY TRANSDUCER

FREE AIR IMPEDANCE CURVE



FREQUENCY RESPONSE AND DISTORTION



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

beyma //

Polígono Industrial Moncada II • C/. Pont Sec, 1c • 46113 MONCADA - Valencia (Spain) • Tel.: (34) 96 130 13 75 • Fax: (34) 96 130 15 07 • http://www.beyma.com • E-mail: beyma@beyma.com •