10M600

Very High Output MF Ferrite Transducer

102 dB SPL 1W / 1m average sensitivity
75 mm (3 in) Interleaved Sandwich Voice coil (ISV)
400 W AES power handling
Excellent transient response
Improved heat dissipation via unique basket design
Ideal for direct radiating or horn loaded midrange systems

GENERAL SPECIFICATIONS

Nominal Diameter	260 mm (10 in)
Rated Impedance	8 Ohm
AES Power (1)	400 W
Program Power (2)	500 W
Peak Power	1200 W
Sensitivity (3)	102 dB
Frequency Range (4)	80 - 5200 Hz
Power Compression @-10dB	0,5 dB
Power Compression @-3dB	1,6 dB
Power Compression @Full Power	2,3 dB
Max Recomm. Frequency	3000 Hz
Recomm. Enclosure Volume	5 - 30 lt. (0,18 - 1,09 cuft)
Minimum Impedance	6,4 Ohm at 25°C
Max Peak To Peak Excursion	16 mm (0,63 in)

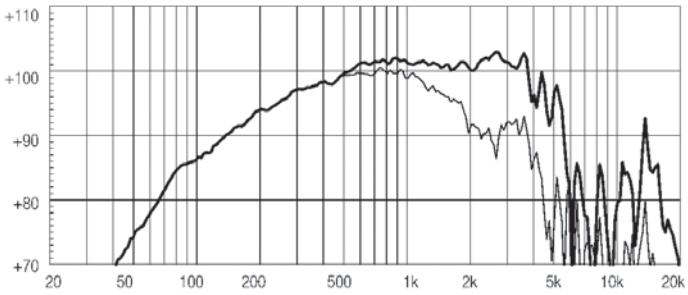
THIELE SMALL PARAMETERS (5)

Fs	70 Hz
Re	5,2 Ohm
Sd	0,035 sq.mt. (54,25 sq.in.)
Qms	4,5
Qes	0,25
Qts	0,23
Vas	25,6 lt. (0,9 cuft)
Mms	32 gr. (0,07 lb)
BL	17,6 Tm
Linear Mathematical Xmax (6)	± 4 mm (±0,16 in)
Le (1kHz)	1,28 mH
Ref. Efficiency 1W@1m (half space)	97,7 dB

MOUNTING INFORMATION

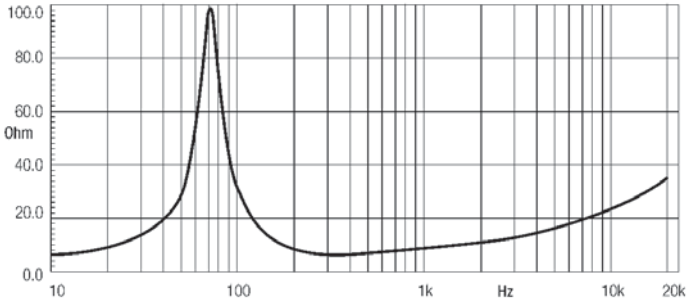
Overall diameter	260 mm (10,24 in)
N. of mounting holes and bolt	8
Mounting holes diameter	7,15 mm (0,28 in)
Bolt circle diameter	244,5 mm (9,63 in)
Front mount baffle cutout Ø	232 mm (9,13 in)
Rear mount baffle cutout Ø	232 mm (9,13 in)
Total depth	126 mm (4,95 in)
Flange and gasket thickness	14,5 mm (0,57 in)
Net weight	7,35 kg (16,23 lb)
Shipping weight	7,8 kg (17,22 lb)
CardBoard Packaging dimensions	275 x 275 x 164 mm (10,83 x 10,83 x 6,46 in)

FREQUENCY RESPONSE CURVE



FREQUENCY RESPONSE CURVE OF 10M600 MADE ON 30 LIT. CLOSED ENCLOSURE IN FREE FIELD (4PI) ENVIRONMENT. ENCLOSURE CLOSES THE REAR OF THE DRIVER. THE THIN LINE REPRESENTS 45 DEG. OFF AXIS FREQUENCY RESPONSE

FREE AIR IMPEDANCE MAGNITUDE CURVE



FREE AIR IMPEDANCE MAGNITUDE CURVE

NOTES

(1) AES power is determined according to AES2-1984 (r2003) standard
(2) Program power rating is measured in 30 lit closed enclosure using a 70 - 2000Hz band limited pink noise test signal with 50% duty cycle, applied for 2 hours.
(3) Sensitivity represents the averaged value of acoustic output as measured on the forward central axis of cone, at distance 1m from the baffle panel, when connected to 2,83V sine wave test signal swept between 500Hz and 2500Hz with the test specimen mounted in the same enclosure as given for (1) above.
(4) Frequency range is given as the band of frequencies delineated by the lower and upper limits where the output level drops by 10 dB below the rated sensitivity in half space environment.
(5) Thiele - Small parameters are measured after the test specimen has been conditioned by 400 W AES power and represent the expected long term parameters after a short period of use.
(6) Linear Math. Xmax is calculated as (Hvc-Hg)/2 + Hg/4 where Hvc is the coil depth and Hg is the gap depth.