

General Specifications

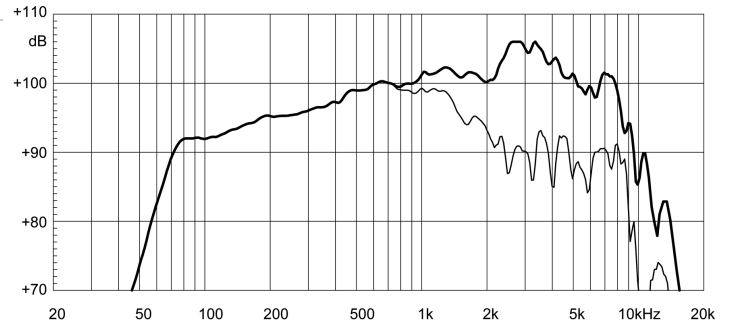
Nominal Diameter	260mm (10 in)
Rated Impedance	8 Ohm
AES Power	300W
Program Power	600W
Peak Power	900W
Sensitivity	100,5 dB
Frequency Range	60 - 7000 Hz
Power Compression @-10dB	0,7 dB
Power Compression @-3dB	2,5 dB
Power Compression @Full Power	3,9 dB
Max Recomm. Frequency	2000 Hz
Recomm. Enclosure Volume	10 - 40 lt. (0,90 - 1,41 cuft)
Minimum Impedance	6,3 Ohm at 25°C
Max Peak To Peak Excursion	24 mm (0,95 in)
Voice Coil Diameter	65 mm (2,5 in)
Voice Coil winding material	aluminum
Suspension	Double roll, polycotton
Cone	Curvilinear, paper

Thiele Small Parameters

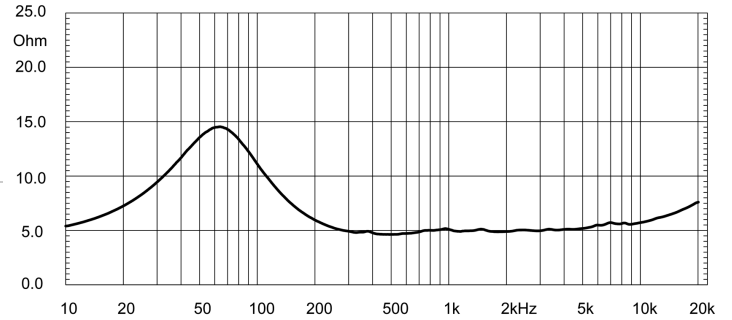
Fs	60 Hz
Re	5 Ohm
Sd	0,035 sq.mt. (54,25 sq.in.)
Qms	4,2
Qes	0,24
Qts	0,23
Vas	42 lt. (1,48 cu ft)
Mms	28 gr. (0,06 lb)
BL	14,6 Tm
Linear Mathematical Xmax	±4 mm (±0,16 in)
Le (1kHz)	0,01 mH (AIC on) - 0,38 mH (AIC off)
Ref. Efficiency 1W@1m (half space)	97,8 dB

Mounting information

Overall diameter	260 mm (10,24 in)
N. of mounting holes and bolt	4 on diam. 275 mm (4 on 10,83 in) 8 on diam. 244,5 mm (4 on 9,63 in)
Mounting holes diameter	7,15 mm (0,28 in)
Front mount baffle cutout ø	232 mm (9,13 in)
Rear mount baffle cutout ø	232 mm (9,13 in)
Total depth	104 mm (4,09 in)
Flange and gasket thickness	14,5 mm (0,57 in)
Net weight	3 kg (6,67 lb)
Shipping weight	3,57 kg (7,88 lb)
Packaging Dimensions	275 x 275 x 164mm (10,83 x 10,83 x 6,46 in)



FREQUENCY RESPONSE CURVE OF 10NMBAS20 (AIC ON) MADE ON 30 LIT. ENCLOSURE TUNED AT 55 HZ 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 - AIC ON

Notes

- 1) AES power is determined according to AES2-1984 (r2003) standard
- 2) Program power rating is measured in 30 lit enclosure tuned at 55 Hz using a 100-3000Hz band limited pink noise test signal with 50% duty cycle, applied for 2 hours.
- 3) The peak power rating represents the maximum permitted instantaneous peak power level over a maximum period of 10ms which will be withstood by the loudspeaker without damage.
- 4) 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.
- 5) 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.
- 6) Power compression represents the loss of sensitivity for the specified power, measured from 100-1000 Hz, after a 5 min pink noise preconditioning test at the specified power.
- 7) Linear Math. Xmax is calculated as $(Hvc-Hg)/2 + Hg/4$ where Hvc is the coil depth and Hg is the gap depth.