PM200N

8'' - Extended Range

Program Power	250 W
Rated impedance	8 Ohm
Nominal diameter	8''- 200 mm
Sensitivity (2,83V/1m)	94 dB
Voice coil diameter	1,5 in - 38 mm
Frequency Range	80-6000 Hz

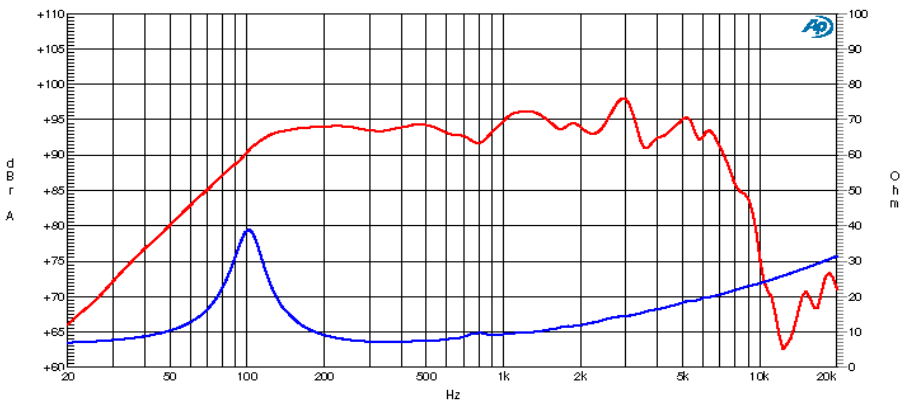
SPECIFICATIONS

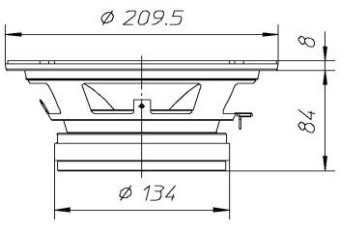
Nominal Diameter	8''- 200 mm
Rated Impedance	8 Ohm
Nominal Power Handling [1]	120 W
Program Power [2]	250 W
Sensitivity [3]	94 dB
Frequency Range [4]	80-6000 Hz
Minimum Impedance	-
Basket Material	Aluminum
Magnet Material	Ferrite
Cone Material	-
Cone Shape	-
Surround	Doped fabric
Suspension	-
Voice Coil Diameter	1,5 in - 38 mm
Voice Coil Winding Material	-
Voice Coil Length	10,5 mm - 0,41 in
Voice Coil Former Material	Aluminum
Connection type	-
Ferrofluid	No
Magnetic Gap Height	7 mm - 0,28 in
Max. Peak to Peak Excursion	-
Efficiency Bandwidth Product EBP	168
Recommended Loading	Vented Box
Volume / Tuning frequency	11 Lt (dm³) - 0,388 cuft / 100 Hz
Maximum recommended frequency	-
Alternative Available Version 4 Ohm	CM200N

T/S PARAMETERS 8 Ohm

Resonance frequency	Fs	99 Hz
DC Resistance	Re	6,01 Ohm
Mechanical Q Factor	Qms	3,43
Electrical Q Factor	Qes	0,59
Total Q Factor	Qts	0,5
Bl Factor	Bl	11,17 Tm
Effective Moving Mass	Mms	19,77 g
Equivalent Cas air loaded	Vas	7,7 lt (dm³) - 0,27 cuft
Suspension Compliance	Cms	0,13 mm/N
Effective Piston Diameter	D	166 mm - 6,54 in
Effective piston area	Sd	216 cm² - 33,48 sq in
Max. Linear Excursion [5]	Xmax	3,5 mm - 0,14 in
Voice Coil Inductance @ 1kHz	Le	0,42 mH
Half-space Efficency	ŋ0	1,2 %

FREQUENCY RESPONSE AND IMPEDANCE CURVE [6] [7]





MOUNTING AND SHIPPING INFORMATION

Overall Diameter	209,5 mm - 8,25 in
Baffle Cutout Diameter	180 mm - 7,09 in
Flange and Gasket Thickness	8 mm - 0,31 in
Total Depth	92 mm - 3,62 in
Bolt Circle Diameter	198,5 mm - 7,81 in
Bolt Holes Quantity and Diameter	4 / 5 mm - 0,2 in
Net Weight	3 Kg - 6,61 lb
Shipping Units	4 Pcs

NOTES

[1] Nominal power is determined according to AES2-1984 (r2003) standard.
[2] Program Power is defined as 3 dB greater than the Nominal rating.
[3] Sensitivity represents the averaged value of acoustic output as measured on the forward central axis of cone, at distance 1m, when connected to 2,83V sine wave test signal.
[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] Linear Math. Xmax is calculated as (Hvc-Hg)/2 + Hg/4 where Hvc is the coil depth and Hg is the gapdepth.
[6] Frequency response curve is measured on infinite baffle conditions.
[7] Impedance curve is measured in free air conditions at small signals.