



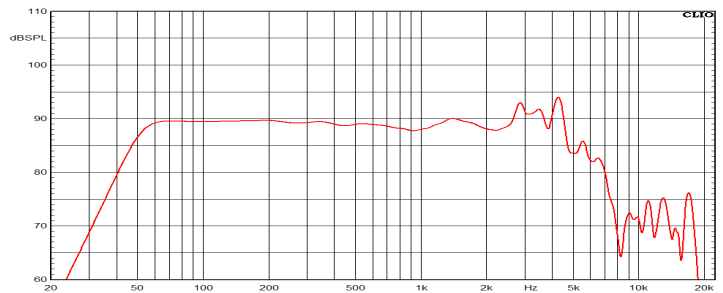
8" Ceramic Woofer

Program Power	300 W
Rated impedance	8 Ohm
Nominal diameter	8"-200 mm
Sensitivity (2,83V/1m)	90 dB
Voice coil diameter	3 in - 75 mm
Frequency Range	45-2500 Hz

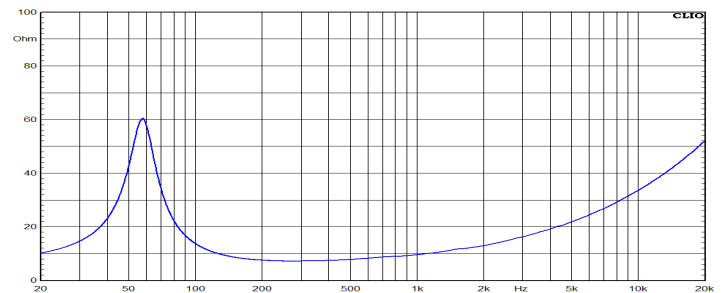
SPECIFICATIONS

Nominal Diameter	8"-200 mm
Rated Impedance	8 Ohm
Nominal Power Handling ¹	300 W
Program Power ²	600 W
Sensitivity ³	90 dB
Frequency Range ⁴	45-2500 Hz
Minimum Impedance	-
Gasket Material	Aluminum
Magnet Material	Neodymium
Cone Material	Treated Cellulose
Cone Shape	Exponential
Surround	Nomex Fabric
Suspension	Nomex Fabric
Voice Coil Diameter	3 in - 75 mm
Voice Coil Winding Material	Aluminum
Voice Coil Length	-
Voice Coil Former Material	Glass fiber
Connection type	-
Ferrofluid	-
Magnetic Gap Height	10 mm - 0,39 in
Max. Peak to Peak Excursion Xvar	-
Efficiency Bandwidth Product EBP	129
Recommended Loading	Vented Box
Volume / Tuning frequency	15 Lt (dm ³) - 0,53 cuft / 54 Hz
Maximum recommended frequency	-
Version - Part Code	8 Ohm PNDK8.75W

FREQUENCY RESPONSE CURVE ⁵



FREE AIR IMPEDANCE CURVE ⁶



T/S PARAMETERS

8 Ohm

Resonance frequency	Fs	57 Hz
DC Resistance	Re	6,0 Ohm
Mechanical Q Factor	Qms	4,02
Electrical Q Factor	Qes	0,44
Total Q Factor	Qts	0,4
Bl Factor	Bl	14,41 Tm
Effective Moving Mass	Mms	42,2 g
Equivalent Cas air loaded	Vas	12,9 lt (dm ³) - 0,456 cuft
Suspension Compliance	Cms	0,27 mm/N
Effective Piston Diameter	D	170 mm - 6,693 in
Effective piston area	Sd	227 cm ² - 35,18 sq.in
Max. Linear Excursion ⁵	Xmax	8,5 mm - 0,335 in
Voice Coil Inductance @ 1kHz	Le	0,7 mH
Half-space Efficiency	η0	0,55 %

MOUNTING AND SHIPPING INFORMATION

Overall Diameter	224 mm - 8,82 in
Baffle Cutout Diameter	184 mm - 7,25 in
Flange and Gasket Thickness	7,5 mm - 0,29 in
Total Depth	111 mm - 4,37 in
Bolt Circle Diameter	210 mm - 8,27 in
Bolt Holes Quantity and Diameter	8 / 5,5 mm - 0,22 in
Net Weight	4,5 Kg - 9,92 lb
Shipping Units	1 Pc.

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 delimited 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 in the range above 150 Hz is measured on infinite baffle conditions and simulated as per recommended loading in the range below 150 Hz.