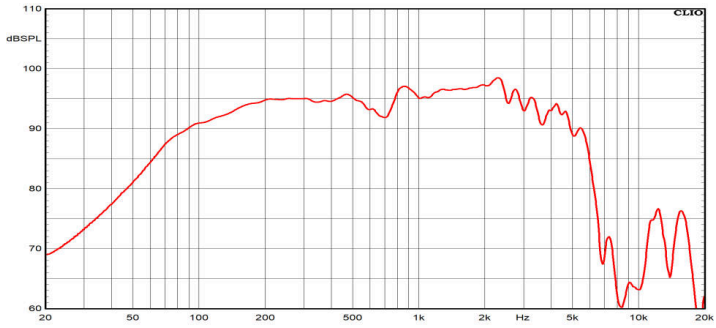
PWA10.50

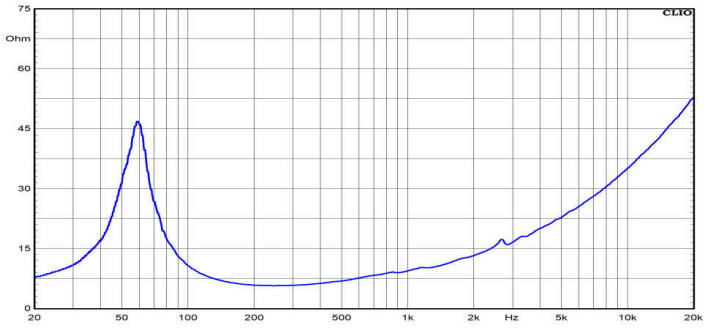


10" 8 Ohm Low Frequency Driver

Magnet Material	Ferrite
Voice Coil Diameter	50 mm 2 in
Continuous Power Handling	500 W
Sensitivity	96.5 dB

DATASHEET DRAWINGS





DRAWINGS

PWA10.50

SPECIFICATIONS

Nominal Diameter	250 mm (10 in)
Nominal Impedance	8 ©
Minimum Impedance	5.9 ©
Nominal Power Handling	250 W Nominal power is determined according to AES2-1984 (r2003) standard.
Continuous Power Handling	500 W Program Power is defined as 3 dB greater than the Nominal rating.
Sensitivity	96.5 dB V2183 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.
Frequency Range	50 Hz - 2000 Hz 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.
Voice Coil Diameter	50 mm (2 in)
Winding Material	Aluminum
Former Material	Glass Fiber
Winding Depth	15 mm (0.59 in)
Magnetic Gap Depth	7 mm (0.28 in)
xPkPk	24 mm (0.94 in)

PARAMETERS

Fs	57 Hz
Re	5 ©
Qes	0.45
Qms	3.74
Qts	0.4
Vas	39.9 dm^3 (1.41 ft^3)
Sd	346.4 cm^2 (53.7 in^2)
·0	1.64 %
Xmax	5.8 mm (0.23 in) Linear Math. Xmax is calculated as (Hvc-Hg)/2 + Hg/4 where Hvc is the coil depth and Hg is the gapdepth.
Mms	32 g
Bl	11.4 Tm
Le	0.66 mH
d	210 mm (8.27 in)
EBP	127 Hz

DESIGN

Surround Shape	M-Roll - Polycotton
Cone Shape	Curvilinear
Magnet Material	Ferrite
Recommended Loading	Vented Box
Connection Type	Fast-On
Cone Material	Treated Paper - Water repellent

MOUNTING AND SHIPPING INFO

Overall Diameter	257 mm (10.12 in)
Bolt Circle Diameter	245 mm (9.65 in)
Baffle Cutout Diameter	233 mm (9.17 in)
Depth	109 mm (4.29 in)
Flange and Gasket Thickness	7 mm (0.28 in)
Net Weight	2.8 kg (6.17 lb)
Shipping Units	1 pcs
Shipping Weight	9.48 lb
Basket Material	Steel
Bolt Quantity	8 pcs
Bolt Diameter	5.5 mm (0.22 in)