PWA8.50

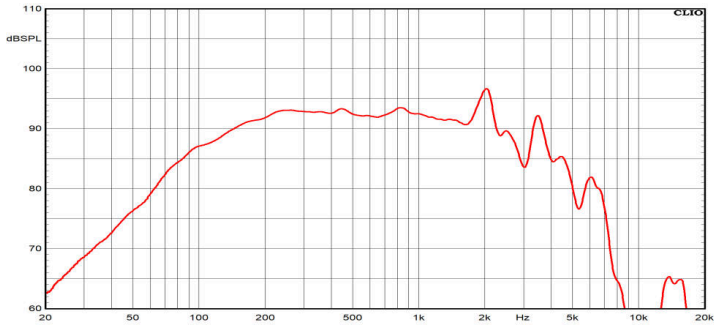


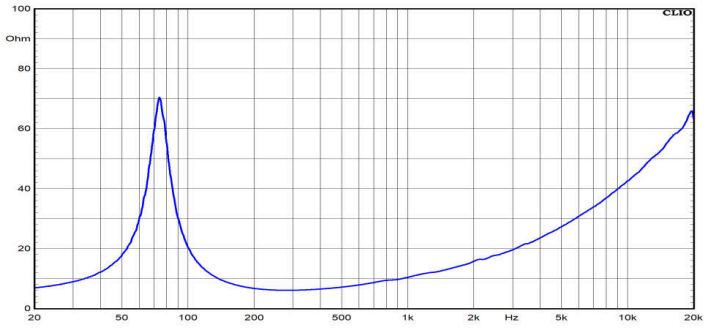


8" 8 Ohm Low Frequency Driver

Magnet Material	Ferrite
Voice Coil Diameter	50 mm 2 in
Continuous Power Handling	500 W
Sensitivity	95 dB

DATASHEET DRAWINGS





DRAWINGS

PWA8.50

SPECIFICATIONS

Nominal Diameter	200 mm (8 in)
Nominal Impedance	8 ©
Minimum Impedance	6.1 ©
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	95 dB V2.83 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	70 Hz - 2500 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	Copper
Former Material	Glass Fiber
Winding Depth	17 mm (0.67 in)
Magnetic Gap Depth	7 mm (0.28 in)
xPkPk	20 mm (0.79 in)
Woofer Cone Treatment	None

PARAMETERS

Fs	74 Hz
Re	5 ©
Qes	0.41
Qms	5.5
Qts	0.38
Vas	12 dm^3 (0.42 ft^3)
Sd	227 cm^2 (35.2 in^2)
·0	1.12 %
Xmax	6.8 mm (0.27 in) Linear Math. Xmax is calculated as (Hvc-Hg)/2 + Hg/4 where Hvc is the coil depth and Hg is the gapdepth.
Mms	28 g
Bl	12.7 Tm
Le	0.82 mH
d	170 mm (6.69 in)
EBP	180 Hz

DESIGN

Surround Shape	M-Roll - Polycotton
Cone Shape	Exponential
Magnet Material	Ferrite
Woofer Cone Treatment	None
Recommended Loading	Vented Box
Connection Type	Fast-On
Cone Material	Treated Paper - Water repellent

MOUNTING AND SHIPPING INFO

Overall Diameter	200 mm (7.87 in)
Bolt Circle Diameter	199 mm (7.83 in)
Baffle Cutout Diameter	186 mm (7.32 in)
Depth	96 mm (3.78 in)
Flange and Gasket Thickness	9 mm (0.35 in)
Net Weight	2.7 kg (5.95 lb)
Shipping Units	1 pcs
Shipping Weight	7.05 lb
Basket Material	Steel
Bolt Quantity	8 pcs
Bolt Diameter	5.5 mm (0.22 in)