

8.50 NdW

WOOFER

INTERNAL REF. 684926



KEY FEATURES

400 Watt Max Power

50mm (2 in) voice coil, aluminium wire

Interleaved sandwich voice coil

Neodymium magnet assembly

Weather protected membrane for outdoor use

Ventilated voice coil and magnet circuit for improved heat dissipation



GENERAL

Nominal Diameter	200 mm - 8"
Nominal Impedance	8,00 Ohm
Nominal Rcc	6 Ohm ±0,4 Ohm
Power handling (AES)(*)	200 Watt
Max Power	400 Watt
Voice Coil Diameter	50 mm 2,00 in
S.P.L. (1w,1m)	96,5 dB ±1,5 dB
Nominal Fs	75 Hz ±10 Hz
Flux Density	1,4 T ±0,08 T
Frequency Range	70-3000 Hz
Sinusoidal Test Voltage	15 V

(*) Life Test

Box Volume	24 liters
Input Signal	Pink noise
Band Pass Filter	20-2000Hz, 12dB/oc
V on Speaker	40 V
Test duration	2 hours

MECHANICAL DATA

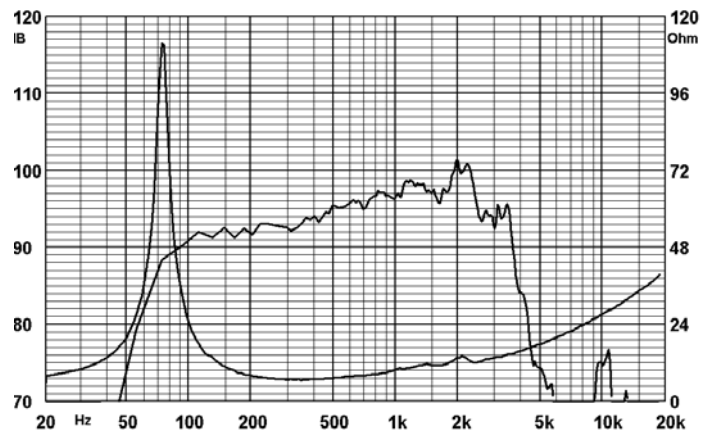
Weight	1,41 kg
Overall Diameter	208 mm
Overall Depth	97 mm
Baffle Cut Diameter	184 mm
Mounting holes number	4
Mounting holes diameter	5 mm
Mounting bolt diameter	194 mm

MATERIALS

Frame Material	Aluminium
Voice Coil Former	Kapton
Voice Coil Wire	Aluminium
Cone Material	Doped Paper
Cone Shape	Straight
Surround Material	Doped Nomex fabric
Surround Shape	Two waves
Suspension material	Doped Nomex fabric
Magnet Type	Neodymium
Magnet Notes	200 g

DIAGRAM

Frequency Response	Box 25 liters - 2,83 V - 1 m
Impedance	(Iac=10m A)



THIELE-SMALL PARAMETERS

Qms	4,83	Sd	227,00 cm ²
Qes	0,36	Vas	17,56 liter
Qts	0,34	u0	2,04 %
Fs	75,70 Hz	Xmax	6,25 mm
Re	6,07 Ohm	Le	0,46 mH
Mms	18,20 g	Rms	1,79 Kg/s
Cms	0,24 mm/N	Efficiency	
Bl	12,08 T*m	Bandwidth Product	210,24

Air gap height = mm.8

Winding height = mm.16.5