



SIPE

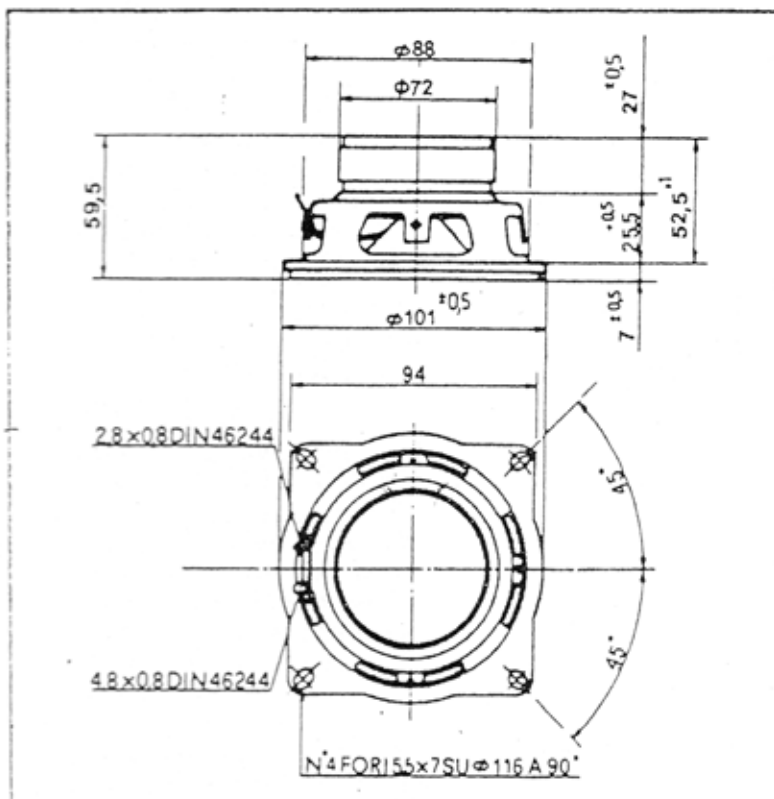
S.p.A.**ELECTROACOUSTICS****MODEL** AS. 101. 42308. 10. Z=8 Ohm**Hi-Fi WOOFER** AS 101/20.8

MEASUREMENT CONDITION

- Frequency response: the speaker is mounted on a DIN 45575 baffle
- Microphone distance: 1 m.
- Measuring power, held constantly, is 1W across a DC resistance of nominal impedance
- 0 level: 60 db
- Potentiometer range: 50 db
- Paper speed: 3 mm/sec.
- Writing speed: 160 mm/sec
- Lower limiting frequency: 20 Hz
- Rectifier response: RMS
- Impedance response: constant current and linear potentiometer

SMALL PARAMETERS

• Resonance frequency (fs)	Hz	80
• Mechanical efficiency factor (Qms)	-	5,7
• Electrical efficiency factor (Qes)	-	0,44
• Total efficiency factor (Qts)	-	0,41
• Moving mass (Mms)	Kg	$4,02 \cdot 10^{-3}$
• Mechanical compliance (Cms)	mN^{-1}	$9,8 \cdot 10^{-4}$
• Effective diaphragm diameter (D)	m	0,08
• Effective diaphragm area (Sd)	m^2	0,0050
• Equivalent air volume (Vas)	m^3	$3,4 \cdot 10^{-3}$
• Voice-coil resistance (Re)	Ω	6
• Force factor (B·L)	Tm	5,2
• Peak displacement of diaphragm (X max)	mm	$\pm 1,15$
• Reference efficiency (η_0)	%	0,38
• Peak volume displacement of diaphragm (Vd)	m^3	$5,7 \cdot 10^{-6}$



ELECTRICAL CHARACTERISTICS

• Nominal Impedance	Ω	8
• Rated Power DIN 45573	w	20
• Music Power	w	40
• Upper frequency limit	Hz	4.000
• Resonance frequency	Hz	80
• Flux density	T	1,05
• Total flux	Wb	$4,94 \cdot 10^{-4}$

SPECIAL TECHNICAL FEATURES

