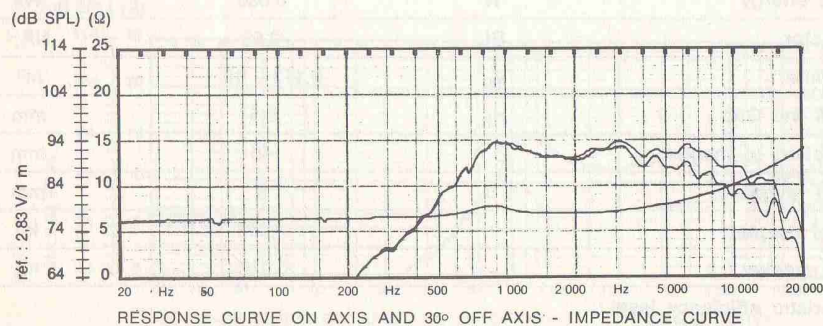
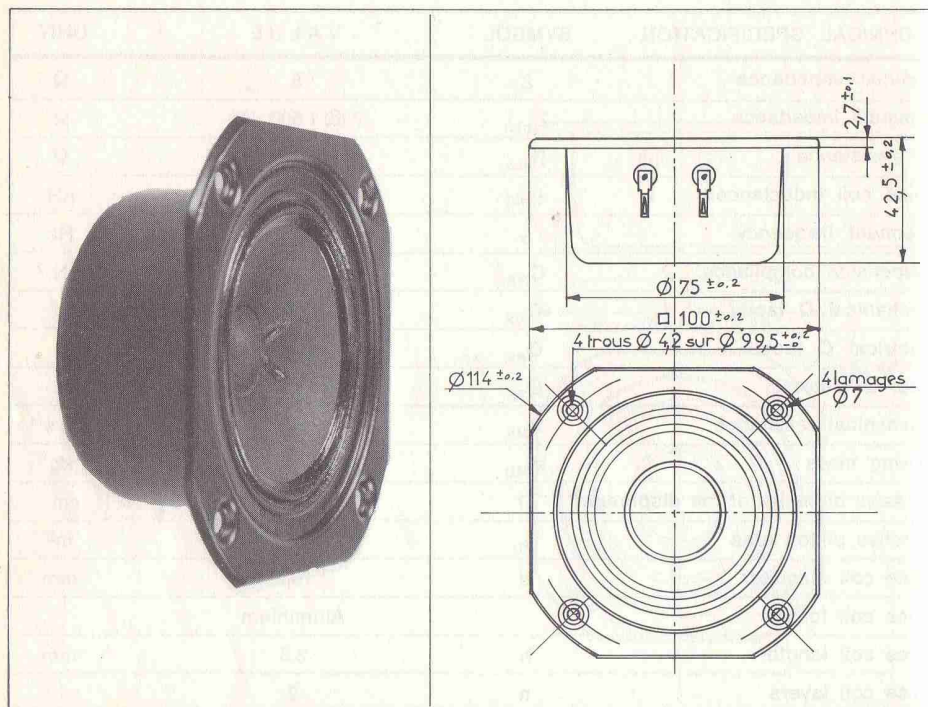


HDM 8 ND

8 cm 3 1/4"

CLOSED BACK
MIDRANGE



RESPONSE CURVE ON AXIS AND 30° OFF AXIS - IMPEDANCE CURVE

HDM 8 ND

8 cm - 3 1/4"

Competitive Hi-Fi Series midrange. Derived from HIM 8 ND. A Ferrofluid cooled voice coil for resonance damping and increased power handling.

TECHNICAL SPECIFICATION	SYMBOL	VALUE	UNIT
Nominal impedance	Z	8	Ω
Minimum impedance	Z _{min}	7 @ 1 500 Hz	Ω
DC resistance	R _{sec}	5,6	Ω
Voice coil inductance	L _{BM}	130	μH
Resonant frequency	f _s	850 ± 128	Hz
Suspension compliance	C _{MS}	10	mN ⁻¹
Mechanical Q factor	Q _{MS}		
Electrical Q factor	Q _{ES}		
Total Q factor	Q _{TS}		
Mechanical resistance	R _{MS}		kg s ⁻¹
Moving mass	M _{MD}	0,85 . 10 ⁻³	kg
Emissive diameter of the diaphragm	D	0,066	m
Effective piston area	S _D	3,42 . 10 ⁻³	m ²
Voice coil diameter	d	16,5	mm
Voice coil former		Aluminium	
Voice coil length	h	3,3	mm
Voice coil layers	n	2	
Flux density	B	0,95	T
Flux in the Gap	∅	0,126 . 10 ⁻³	Wb
Magnetic energy	W	0,036	Ws
Force factor	BL	2,03	NA ⁻¹
Gap volume	V _E	0,113 . 10 ⁻⁶	m ³
Height of the Gap	H _E	2,5	mm
Cross-section of magnet	∅ A	45	mm
Height of magnet	B	9	mm
Weight of magnet		0,052	kg
Mass of speaker		0,210	kg
Characteristic efficiency level :			
1 W, pink noise, weighted	η (W)	91 (M)	dB SPL
Nominal power handling		70/1 kHz	W
Acceleration factor	Γ	2 388	ms ⁻² A ⁻¹