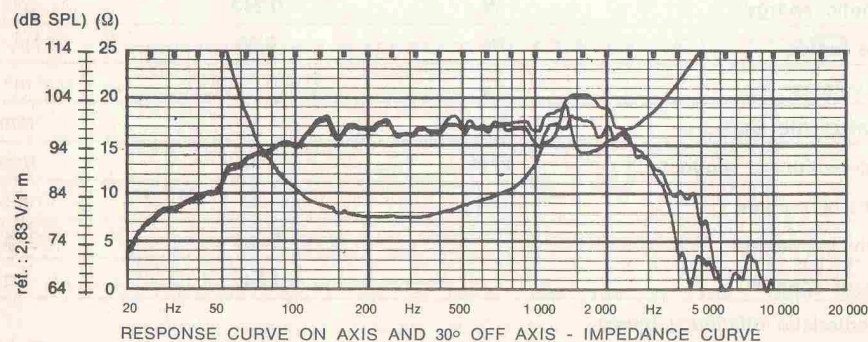
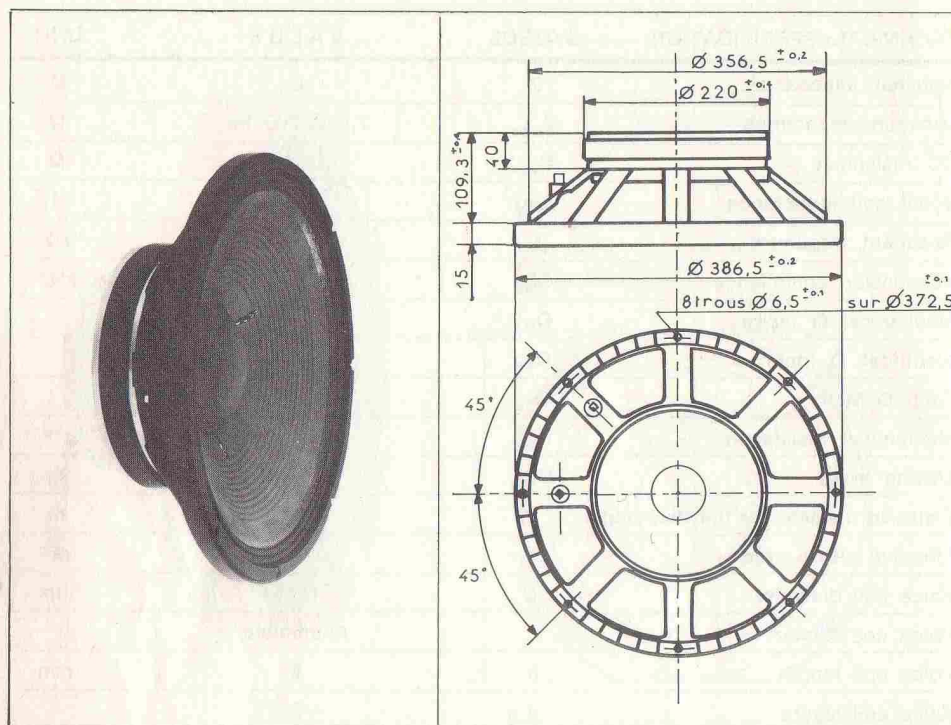


PR 38 S 100 VST

38 cm - 15"

BASS



PR 38 S 100 VST

38 cm - 15"

Bass speaker. Professional series. Zamac die cast chassis. Special pressed cone. 100 mm diameter voice coil on a nomex former. Magnet system 220 mm diameter and 1.5 Tesla. Very high efficiency 103 dB 1 W/1 metre and high power handling capacity.

TECHNICAL SPECIFICATION	SYMBOL	VALUE	UNIT
Nominal impedance	Z	8	Ω
Minimum impedance	Z _{min}	7,5@ 300 Hz	Ω
DC resistance	R _{sec}	6,1	Ω
Voice coil inductance	L _{BM}	1 430	μ H
Resonant frequency	f _s	33 $\pm$ 5	Hz
Suspension compliance	C _{MS}	2,0 . 10 ⁻⁴	mN ⁻¹
Mechanical Q factor	Q _{MS}	1,90	
Electrical Q factor	Q _{ES}	0,27	
Total Q factor	Q _{TS}	0,24	
Mechanical resistance	R _{MS}	12,2	kg s ⁻¹
Moving mass	M _{MD}	116 . 10 ⁻³	kg
Emissive diameter of the diaphragm	D	0,0335	m
Effective piston area	S _D	0,0880	m ²
Voice coil diameter	d	100	mm
Voice coil former		Nomex	
Voice coil length	h	14	mm
Voice coil layers	n	2	
Flux density	B	1,50	T
Flux in the Gap	Φ	3,30 . 10 ⁻³	Wb
Magnetic energy	W	2,95	Ws
Force factor	BL	26,04	NA ⁻¹
Gap volume	V _E	3,298 . 10 ⁻⁶	m ³
Height of the Gap	H _E	7	mm
Cross-section of magnet	Φ A	220	mm
Height of magnet	B	23	mm
Weight of magnet		3,140	kg
Mass of speaker		10	kg
Characteristic efficiency level :			
1 W, pink noise, weighted	η (W)	103 (PR)	dB SPL
Nominal power handling		200	W
Acceleration factor	Γ	224	ms ⁻² A ⁻¹