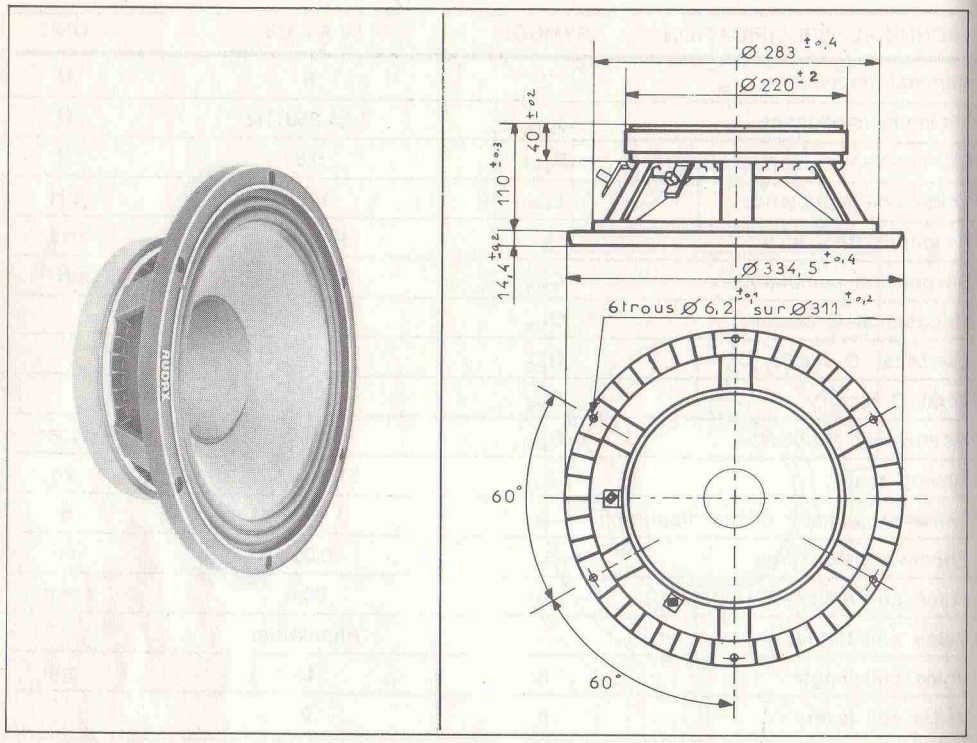
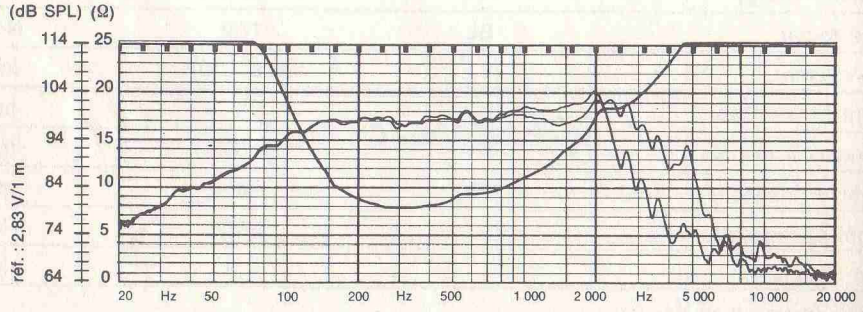
PR 33 S 100 VST

33 cm - 13"

BASS MIDRANGE





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

Low midrange loudspeaker particularly intended to be used in bass-reflex systems. Professional series. Zamac die cast chassis. Its 100 mm diameter moving coil on Nomex former and super-powerful 220 mm diameter magnet system, ensure exceptional power handling coupled with very high efficiency.

PR 33 S 100

33 cm - 13"

TECHNICAL SPECIFICATION	SYMBOL	VALUE	UNIT
Nominal impedance	Z	8	Ω
Minimum impedance	Z_{min}	7,4 @ 300 Hz	Ω
DC resistance	R_{scc}	5,5	Ω
Voice coil inductance	L_{BM}	1430	µH
Resonant frequency	f_s	34 ± 5	Hz
Suspension compliance	C_{MS}	$4,6 \cdot 10^{-4}$	mN^{-1}
Mechanical Q factor	Q_{MS}	1,53	
Electrical Q factor	Q_{ES}	0,09	
Total Q factor	Q_{TS}	0,09	
Mechanical resistance	R_{MS}	6,5	$kg\ s^{-1}$
Moving mass	M_{MD}	$47,6 \cdot 10^{-3}$	kg
Emissive diameter of the diaphragm	D	0,26	m
Effective piston area	S_D	0,053	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	1,5	T
Flux in the Gap	Ø	$3,30 \cdot 10^{-3}$	Wb
Magnetic energy	W	2,95	Ws
Force factor	BL	26	NA^{-1}
Gap volume	V_E	$3,298 \cdot 10^{-6}$	m^3
Height of the Gap	H_E	7	mm
Diameter of magnet	Ø 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	103 (PR)	dB SPL
Nominal power handling		200	W
Acceleration factor	Γ	546	$ms^{-2}\ A^{-1}$