

GENERAL CHARACTERISTICS

Nominal Overall Diameter	470	mm
Nominal Voice Coil Diameter	100	mm
Magnet Weight	3300	g
Flux Density.....	1.20	T
Weight.....	13	Kg

THIELE-SMALL PARAMETERS

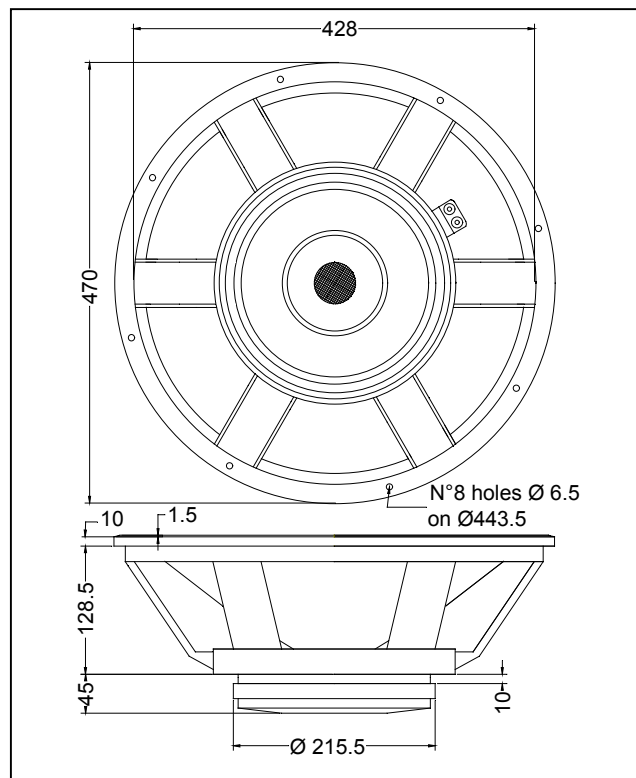
Voice Coil DC Resistance	R_E	12.60	Ω
Resonance Frequency	f_s	30.0	Hz
Mechanical Q Factor.....	Q_{MS}	16.16	
Electrical Q Factor.....	Q_{ES}	0.32	
Total Q Factor	Q_{TS}	0.32	
Mechanical Moving Mass	M_{MS}	150.5	g
Mechanical Compliance	C_{MS}	191	$\mu\text{m/N}$
Force Factor	$B \times l$	33.05	Wb/m
Equivalent Acoustic Volume.....	V_{AS}	324.0	lt.
Maximum Linear Displacement	X_{MAX}	+/-6.0	mm
Reference Efficiency	η_0	2.25	%
Diaphragm Area	S_D	1100	cm^2
Losses Electrical Resistance.....	R_{ES}	629.0	Ω
Voice Coil Inductance @ 1kHz	L_E	2.31	mH

CONSTRUCTIVE CHARACTERISTICS

Magnet.....	Ferrite
Voice Coil Winding.....	Copper
Voice Coil Former.....	Fiberglass
Cone	Paper
Surround.....	Treated Cloth
Dust Dome	Solid Paper
Basket	Aluminium Die-Cast

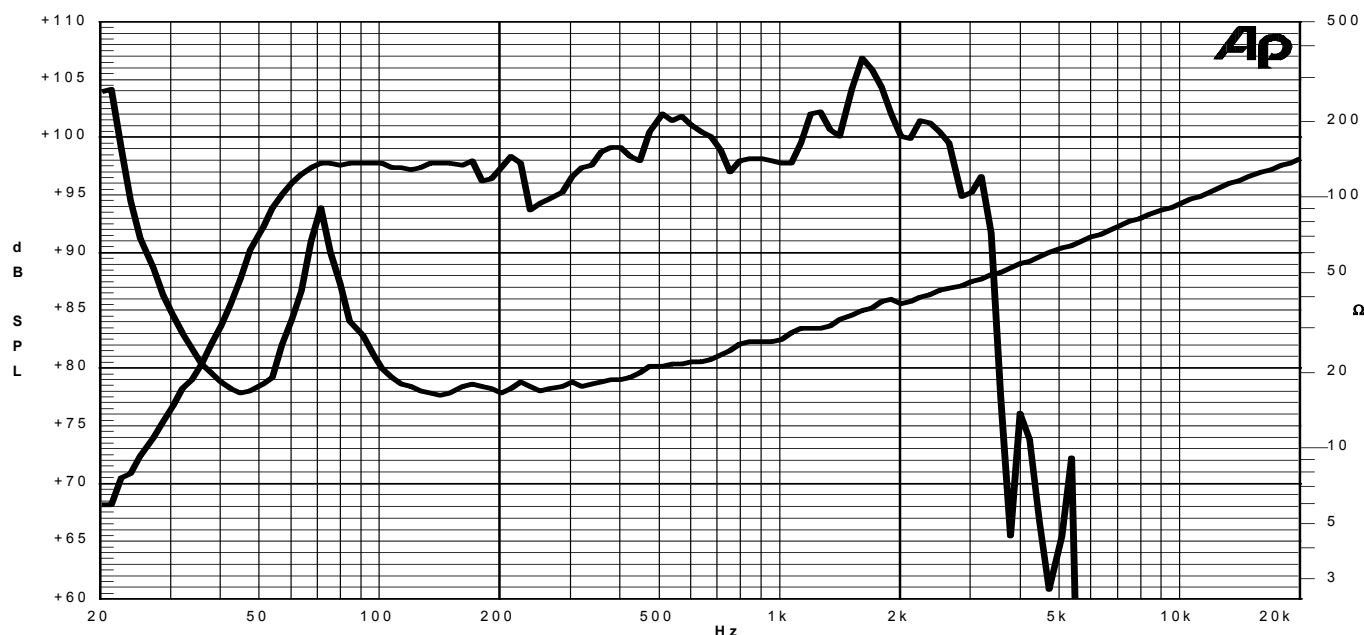
ELECTRICAL CHARACTERISTICS

Nominal Impedance.....	16	Ω
Musical Power	1400	W
Rated Power*	700	W
Sensitivity @ 1 W, 1 m	97	dB



*rated power measured with 2 hours test with pink noise signal, 6 dB crest factor, loudspeaker mounted on enclosure

Frequency Response on 150 litres vented box @ 1 W, 1 m - Free Air Impedance



Due to continuing product improvement, the features and the design are subject to change without notice.

15/03/05