

## 5" - 120W HI-FI Woofer

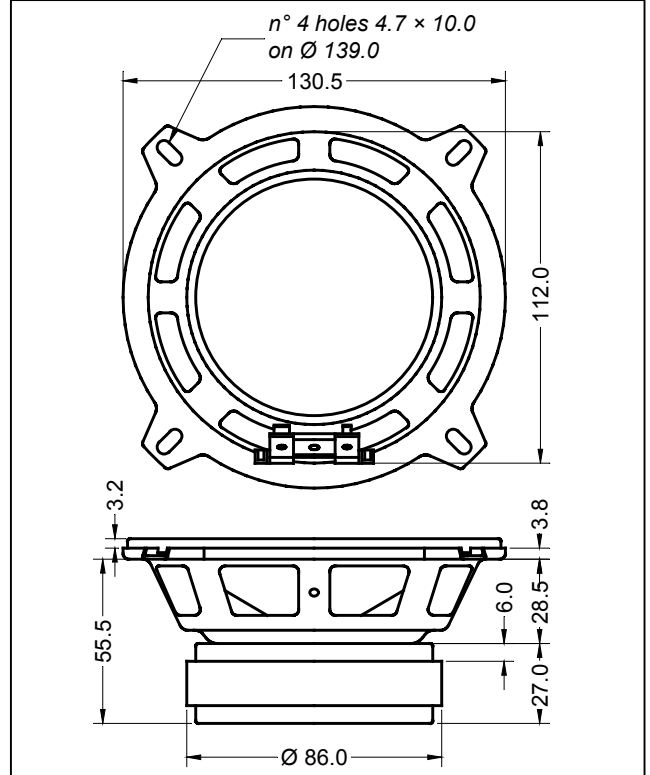
5 H 1 CS - 8 Ω  
Code Z002410

GENERAL CHARACTERISTICS		
Nominal Overall Diameter .....	129	mm
Nominal Voice Coil Diameter .....	25	mm
Magnet Weight .....	380	g
Flux Density.....	1.10	T
Weight.....	1.00	Kg

THIELE-SMALL PARAMETERS		
Voice Coil DC Resistance .....	$R_E$	6.10 Ω
Resonance Frequency .....	$f_s$	61.5 Hz
Mechanical Q Factor.....	$Q_{MS}$	3.71
Electrical Q Factor.....	$Q_{ES}$	0.36
Total Q Factor .....	$Q_{TS}$	0.33
Mechanical Moving Mass .....	$M_{MS}$	5.8 g
Mechanical Compliance .....	$C_{MS}$	1152 μm/N
Force Factor .....	$B \times l$	6.13 Wb/m
Equivalent Acoustic Volume.....	$V_{AS}$	10.0 lt.
Maximum Linear Displacement ....	$X_{MAX}$	+/-3.5 mm
Reference Efficiency .....	$\eta_0$	0.61 %
Diaphragm Area .....	$S_D$	78.5 cm <sup>2</sup>
Losses Electrical Resistance.....	$R_{ES}$	62.0 Ω
Voice Coil Inductance @ 1kHz .....	$L_E$	0.64 mH

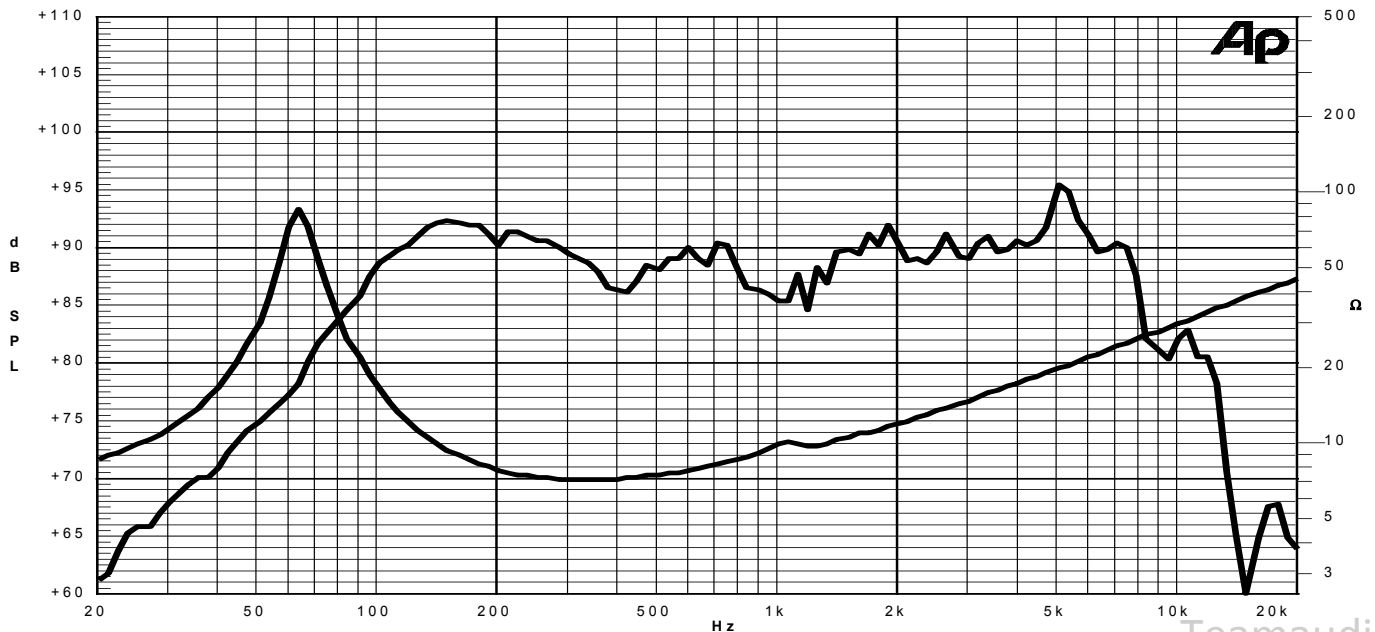
CONSTRUCTIVE CHARACTERISTICS	
Magnet.....	Ferrite
Voice Coil Winding.....	Copper
Voice Coil Former.....	Epotex
Cone .....	PolyPropylene
Surround.....	Rubber
Dust Dome .....	Treated Cloth
Basket .....	Pressed Sheet Steel

ELECTRICAL CHARACTERISTICS	
Nominal Impedance.....	8 Ω
Musical Power .....	120 W
Rated Power* .....	60 W
Sensitivity @ 1 W, 1 m .....	91.0 dB



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

Frequency Response on IEC Baffle (DIN 45575) @ 1 W, 1 m - Impedance



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

15/03/05