

## 6" - 120W Professional Woofer

6 E2 1,25 CS - 4 Ω

Code Z003982C

### GENERAL CHARACTERISTICS

Nominal Overall Diameter .....	165	mm
Nominal Voice Coil Diameter .....	32	mm
Magnet Weight .....	426	g
Flux Density.....	1.10	T
Weight.....	1.35	Kg

### THIELE-SMALL PARAMETERS

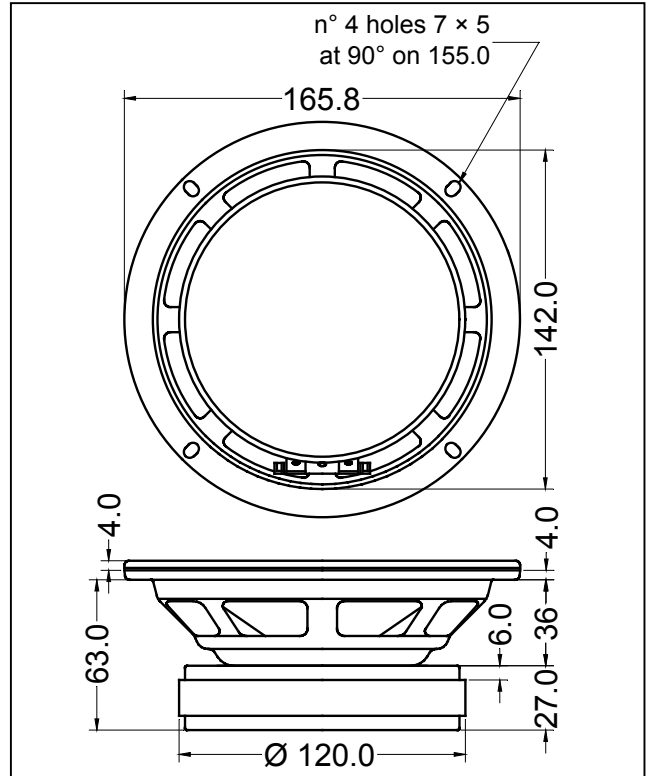
Voice Coil DC Resistance .....	$R_E$	3.27	Ω
Resonance Frequency .....	$f_s$	88.9	Hz
Mechanical Q Factor.....	$Q_{MS}$	1.87	
Electrical Q Factor.....	$Q_{ES}$	0.48	
Total Q Factor .....	$Q_{TS}$	0.38	
Mechanical Moving Mass .....	$M_{MS}$	7.1	g
Mechanical Compliance .....	$C_{MS}$	453	μm/N
Force Factor .....	$B \times l$	5.20	Wb/m
Equivalent Acoustic Volume.....	$V_{AS}$	9.6	lt.
Maximum Linear Displacement ....	$X_{MAX}$	+/-1.5	mm
Reference Efficiency .....	$\eta_0$	1.35	%
Diaphragm Area .....	$S_D$	122.7	cm <sup>2</sup>
Losses Electrical Resistance.....	$R_{ES}$	12.8	Ω
Voice Coil Inductance @ 1kHz .....	$L_E$	0.29	mH

### CONSTRUCTIVE CHARACTERISTICS

Magnet.....	Ferrite
Voice Coil Winding.....	Copper
Voice Coil Former.....	Aluminium
Cone .....	Paper
Surround.....	Treated Cloth
Dust Dome .....	Solid Paper
Basket .....	Pressed Sheet Steel

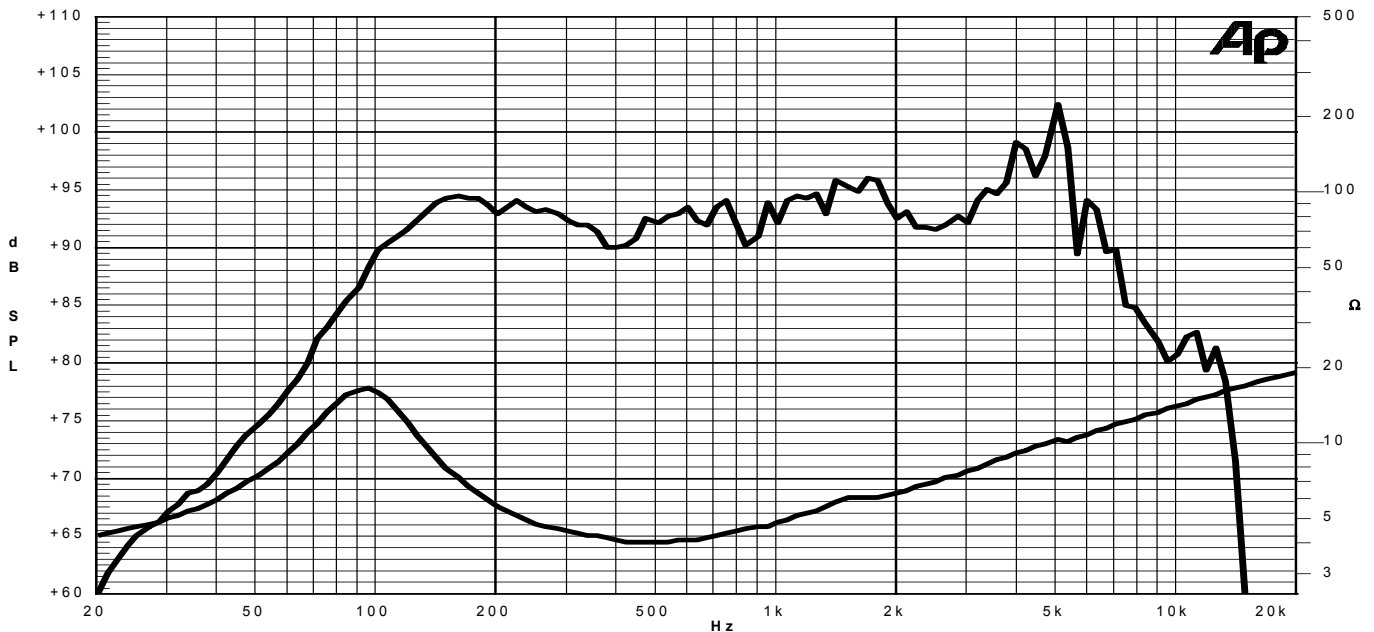
### ELECTRICAL CHARACTERISTICS

Nominal Impedance.....	4	Ω
Musical Power .....	120	W
Rated Power* .....	60	W
Sensitivity @ 1 W, 1 m .....	94.2	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