

## 5" - 90W Professional Woofer

LP 129.25/ 160 WG 4 Ω

Code Z002130

### GENERAL CHARACTERISTICS

Nominal Overall Diameter .....	129	mm
Nominal Voice Coil Diameter .....	25	mm
Magnet Weight .....	160	g
Flux Density.....	1.00	T
Weight.....	0.50	Kg

### THIELE-SMALL PARAMETERS

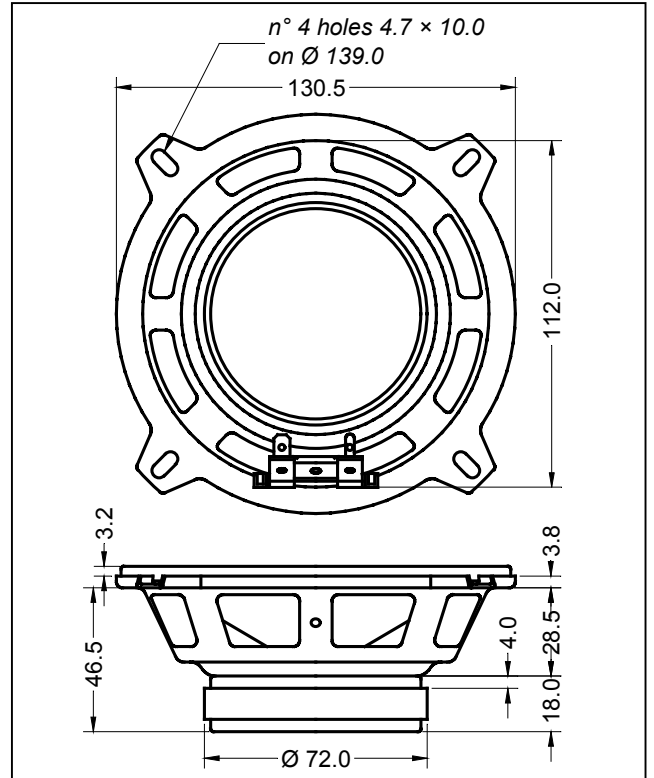
Voice Coil DC Resistance .....	$R_E$	3.26	Ω
Resonance Frequency .....	$f_s$	93.7	Hz
Mechanical Q Factor.....	$Q_{MS}$	5.72	
Electrical Q Factor.....	$Q_{ES}$	1.11	
Total Q Factor .....	$Q_{TS}$	0.93	
Mechanical Moving Mass .....	$M_{MS}$	5.4	g
Mechanical Compliance .....	$C_{MS}$	540	μm/N
Force Factor .....	$B \times l$	3.06	Wb/m
Equivalent Acoustic Volume.....	$V_{AS}$	4.7	lt.
Maximum Linear Displacement ....	$X_{MAX}$	+/-1.5	mm
Reference Efficiency .....	$\eta_0$	0.33	%
Diaphragm Area .....	$S_D$	78.5	cm <sup>2</sup>
Losses Electrical Resistance.....	$R_{ES}$	16.9	Ω
Voice Coil Inductance @ 1kHz .....	$L_E$	0.24	mH

### CONSTRUCTIVE CHARACTERISTICS

Magnet.....	Ferrite
Voice Coil Winding.....	Copper
Voice Coil Former.....	Epotex
Cone .....	Paper
Surround.....	Rubber
Dust Dome .....	Polypropylene Ogive
Basket .....	Pressed Sheet Steel

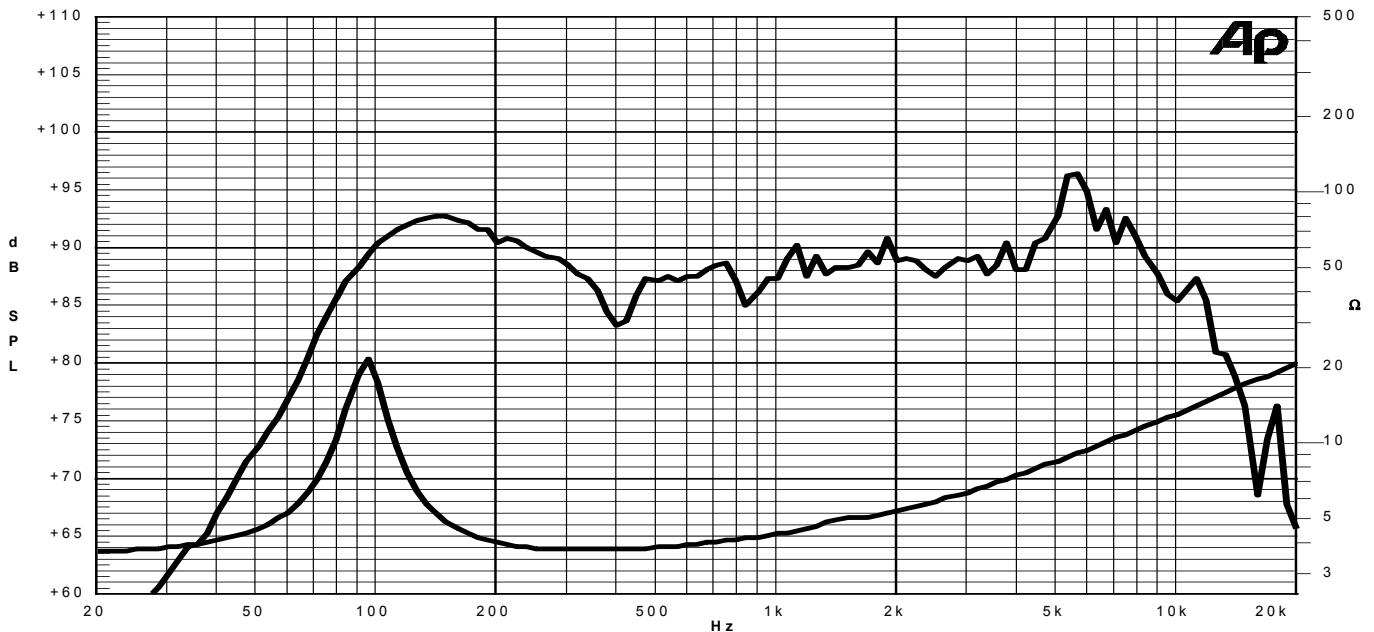
### ELECTRICAL CHARACTERISTICS

Nominal Impedance.....	4	Ω
Musical Power .....	90	W
Rated Power* .....	45	W
Sensitivity @ 1 W, 1 m .....	88.1	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