

## 12" - 200W Neodymium Guitar Loudspeaker

N 12/100 TR - 4 Ω

Code ZJ06357

### GENERAL CHARACTERISTICS

Nominal Overall Diameter .....	307	mm
Nominal Voice Coil Diameter .....	50	mm
Magnet Weight .....	200	g
Flux Density.....	1.20	T
Weight.....	2.00	Kg

### THIELE-SMALL PARAMETERS

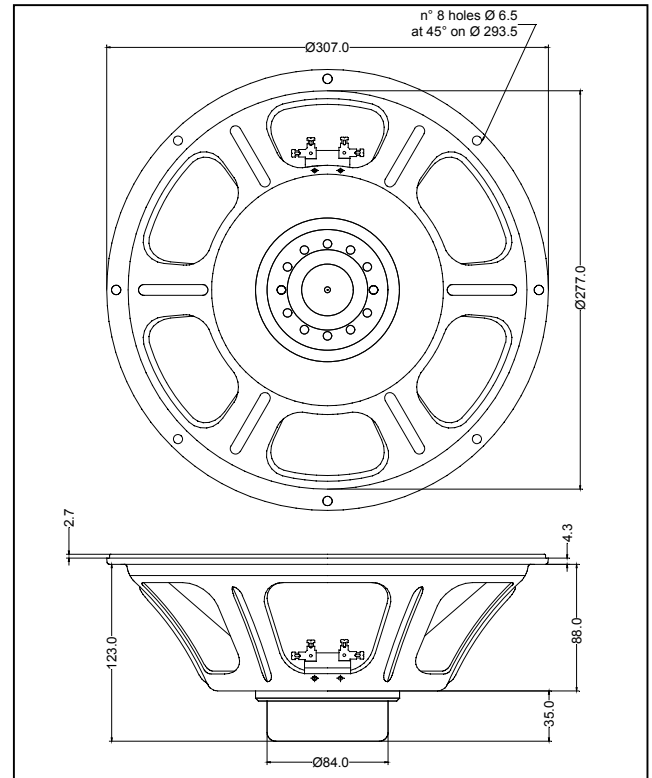
Voice Coil DC Resistance .....	$R_E$	3.31	Ω
Resonance Frequency .....	$f_s$	76.5	Hz
Mechanical Q Factor.....	$Q_{MS}$	11.08	
Electrical Q Factor.....	$Q_{ES}$	0.61	
Total Q Factor .....	$Q_{TS}$	0.58	
Mechanical Moving Mass .....	$M_{MS}$	31.2	g
Mechanical Compliance .....	$C_{MS}$	138	μm/N
Force Factor .....	$B \times l$	9.02	Wb/m
Equivalent Acoustic Volume.....	$V_{AS}$	47.2	lt.
Maximum Linear Displacement ....	$X_{MAX}$	+/-1.0	mm
Reference Efficiency .....	$\eta_0$	3.33	%
Diaphragm Area .....	$S_D$	490.9	cm <sup>2</sup>
Losses Electrical Resistance.....	$R_{ES}$	60.0	Ω
Voice Coil Inductance @ 1kHz .....	$L_E$	0.45	mH

### CONSTRUCTIVE CHARACTERISTICS

Magnet.....	Neodymium
Voice Coil Winding.....	Copper
Voice Coil Former.....	Nomex
Cone .....	Paper
Surround.....	Paper - Integrated
Dust Dome .....	Non Treated Cloth
Basket .....	Pressed Sheet Steel

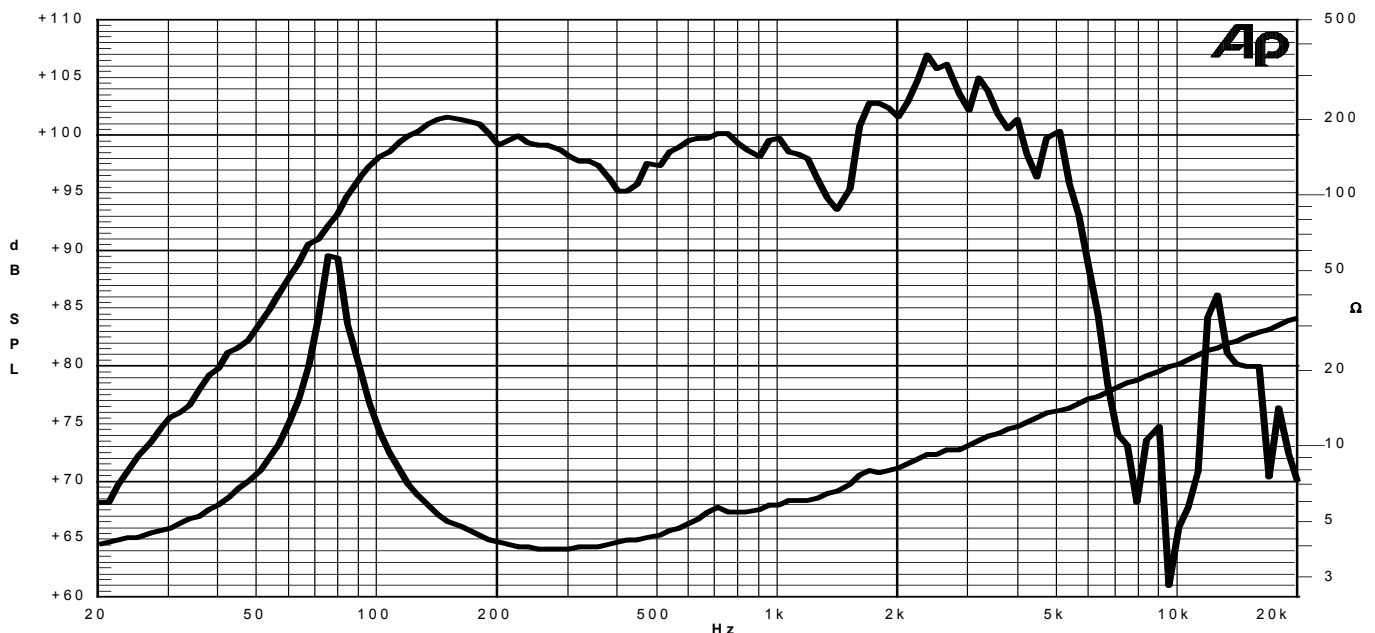
### ELECTRICAL CHARACTERISTICS

Nominal Impedance.....	4	Ω
Musical Power .....	200	W
Rated Power* .....	100	W
Sensitivity @ 1 W, 1 m .....	98.2	dB



\*rated power measured with 2 hours test with pink noise signal, 6 dB crest factor, loudspeaker mounted on enclosure  
Thiele-Small parameters measured with LASER system

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



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

29/05/12