

8" - 160W Dual Cone Loudspeaker

LP 208.38/ 426 T ER 8 Ω

Code Z004650

GENERAL CHARACTERISTICS

Nominal Overall Diameter	208	mm
Nominal Voice Coil Diameter	38	mm
Magnet Weight	426	g
Flux Density.....	0.95	T
Weight.....	1.45	Kg

THIELE-SMALL PARAMETERS

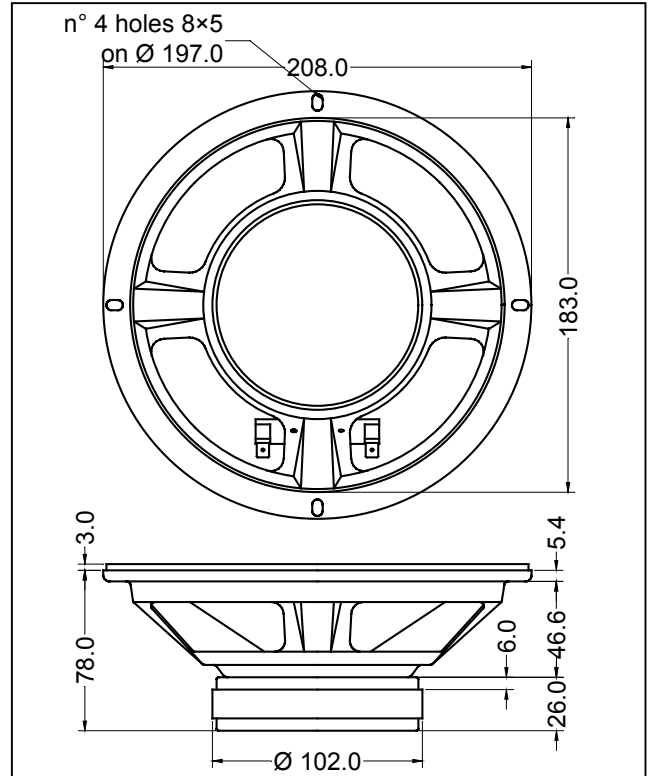
Voice Coil DC Resistance	R_E	5.19	Ω
Resonance Frequency	f_s	65.3	Hz
Mechanical Q Factor.....	Q_{MS}	1.27	
Electrical Q Factor.....	Q_{ES}	0.77	
Total Q Factor	Q_{TS}	0.48	
Mechanical Moving Mass	M_{MS}	15.7	g
Mechanical Compliance	C_{MS}	377	μm/N
Force Factor	$B \times l$	6.61	Wb/m
Equivalent Acoustic Volume.....	V_{AS}	24.4	lt.
Maximum Linear Displacement	X_{MAX}	+/-1.5	mm
Reference Efficiency	η_0	0.85	%
Diaphragm Area	S_D	213.8	cm ²
Losses Electrical Resistance.....	R_{ES}	8.6	Ω
Voice Coil Inductance @ 1kHz	L_E	0.30	mH

CONSTRUCTIVE CHARACTERISTICS

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

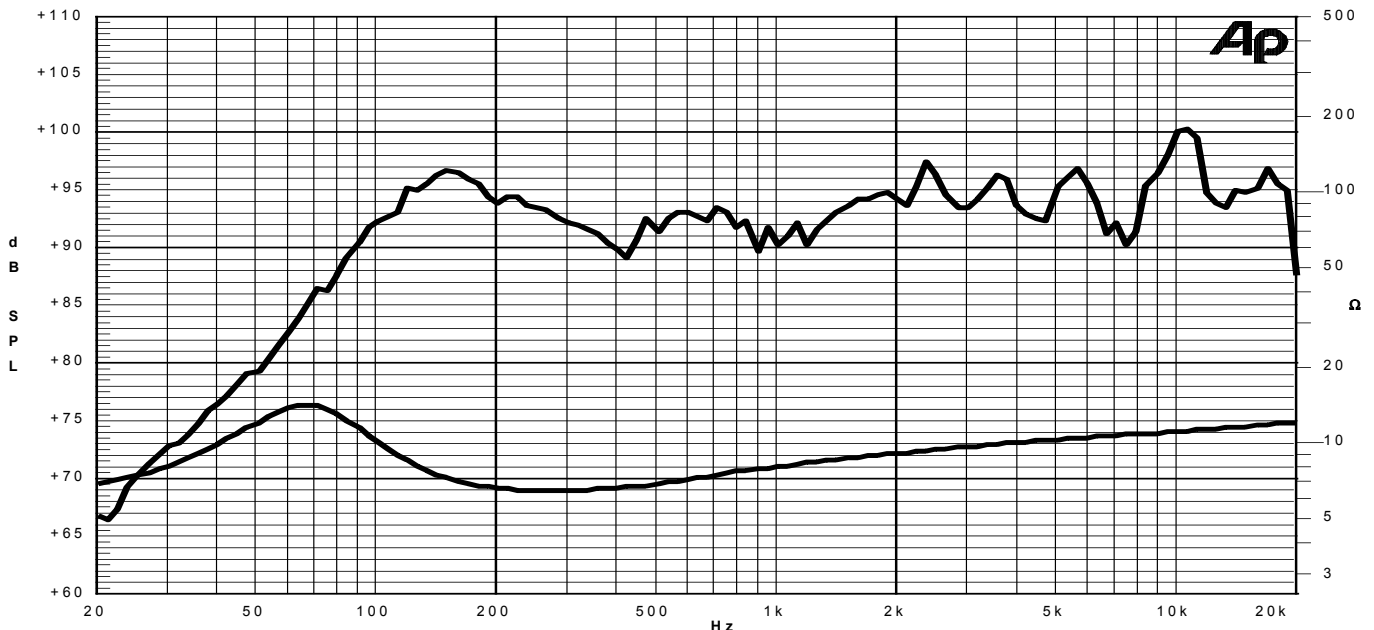
ELECTRICAL CHARACTERISTICS

Nominal Impedance.....	8	Ω
Musical Power	160	W
Rated Power*	80	W
Sensitivity @ 1 W, 1 m	93.4	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 - Impedance



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

11/03/09