

GENERAL CHARACTERISTICS

Nominal Overall Diameter	385	mm
Nominal Voice Coil Diameter	50	mm
Magnet Weight	810	g
Flux Density.....	1.00	T
Weight.....	4.23	Kg

THIELE-SMALL PARAMETERS

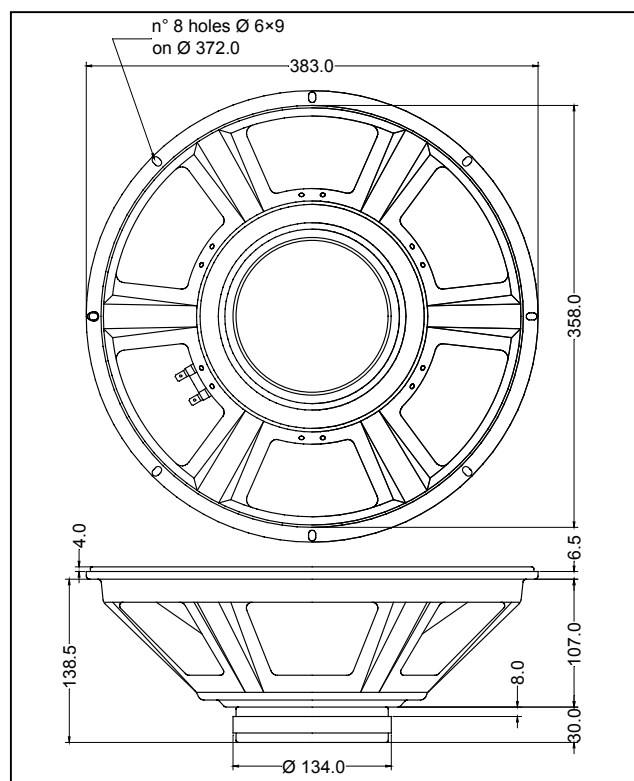
Voice Coil DC Resistance	R_E	4.94	Ω
Resonance Frequency	f_s	47.5	Hz
Mechanical Q Factor.....	Q_{MS}	5.59	
Electrical Q Factor.....	Q_{ES}	0.89	
Total Q Factor	Q_{TS}	0.77	
Mechanical Moving Mass	M_{MS}	59.0	g
Mechanical Compliance	C_{MS}	191	$\mu\text{m/N}$
Force Factor	$B \times l$	9.87	Wb/m
Equivalent Acoustic Volume.....	V_{AS}	153.0	lt.
Maximum Linear Displacement	X_{MAX}	+/-1.0	mm
Reference Efficiency	η_0	1.76	%
Diaphragm Area	S_D	754.8	cm^2
Losses Electrical Resistance.....	R_{ES}	31.0	Ω
Voice Coil Inductance @ 1kHz	L_E	0.70	mH

CONSTRUCTIVE CHARACTERISTICS

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

ELECTRICAL CHARACTERISTICS

Nominal Impedance.....	8	Ω
Musical Power	200	W
Rated Power*	100	W
Sensitivity @ 1 W, 1 m	96.5	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

