

## SWR 269

### Thiele Small parameters:

Nominal impedance  
 Minimum impedance/at freq.  
 Maximum impedance  
 DC resistance  
 Voice coil inductance  
 Capacitor in series with 4 ohm  
 (for impedance compensation)  
 Resonance Frequency  
 Mechanical Q factor  
 Electrical Q factor  
 Total Q factor  
 F (Ratio fs/Qts)  
 Mechanical resistance  
 Moving mass  
 Suspension compliance  
 Effective cone diameter  
 Effective piston area  
 Equivalent volume  
 Force factor  
 Reference voltage sensitivity  
 Re 2.83V 1m at 133 Hz (Measured)

Zn (ohm)  
 Zmin (ohm/Hz)  
 Zo (ohm)  
 Re (ohm)  
 Le (mH)  
 Cc (µF)  
 fs (Hz)  
 Qms  
 Qes  
 Qts  
 F (Hz)  
 Rms (Kg/s)  
 Mms (g)  
 Cms (mm/N)  
 D (cm)  
 Sd (cm<sup>2</sup>)  
 VAS (ltrs)  
 Bl (N/A)  
 (dB)

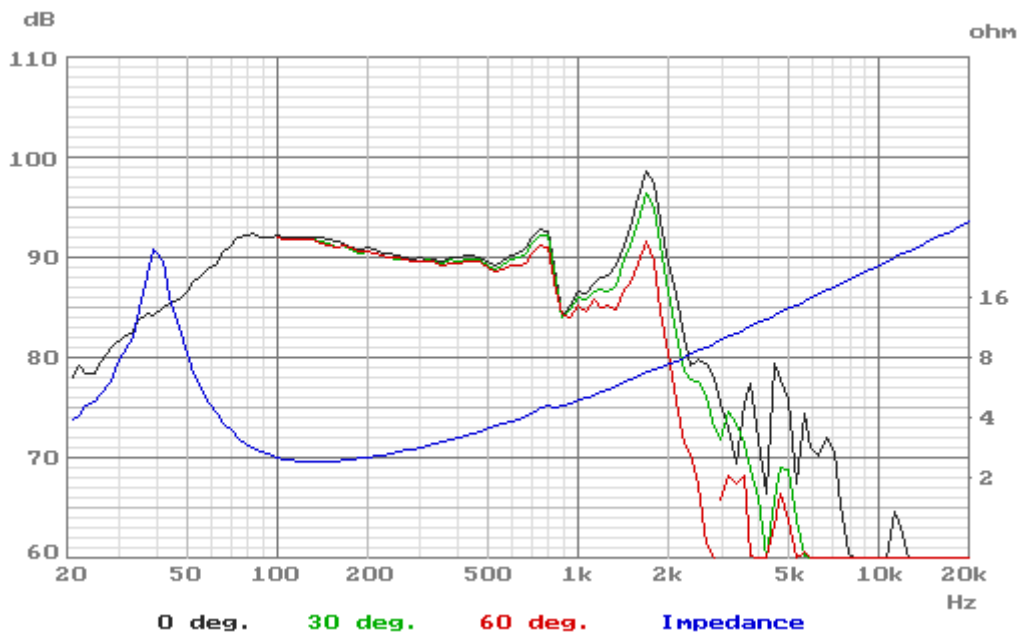
	Free air	Common	Baffled
		4	
		2.4/133	
		28.5	
		1.8	
		1.5	
		32	
	39.4		38.8
	6.37		6.47
	0.42		0.43
	0.39		0.40
			96
	117.0	4.55	121.0
		0.14	
		20.6	
		333	
		21.4	
		11.0	
			92.2

### Magnet and voice coil parameters:

Voice coil diameter  
 Voice coil length  
 Voice coil layers  
 Flux density in gap  
 Total useful flux  
 Height of the gap  
 Diameter of magnet  
 Height of magnet  
 Weight of magnet

d (mm)  
 h (mm)  
 n  
 B (T)  
 (mWb)  
 hg (mm)  
 dm (mm)  
 hm (mm)  
 (kg)

51
33
4
1.04
2.50
8
147
35
2.42



Measuring methods and conditions are stated in Peerless Standard for Acoustic Measurements (PSAM)