



Peerless Data Sheet

WF 210

210 WF 33 102 PPB 8 ohm - Order ID: 832556

Universal 8" Hifi woofer. It has foam surround and polypropylene cone. The resonance frequency is low and the response curve is smooth. The parameters indicate a good woofer for both closed and reflex boxes.



WF 210

Thiele Small parameters:

			Free air	Common	Baffled
Nominal impedance	Zn	(ohm)		8	
Minimum impedance/at freq.	Zmin	(ohm/Hz)		6.6/213	
Maximum impedance	Zo	(ohm)		37.4	
DC resistance	Re	(ohm)		6.1	
Voice coil inductance	Le	(mH)		1.6	
Capacitor in series with 8 ohm (for impedance compensation)	Cc	(μ F)		12	

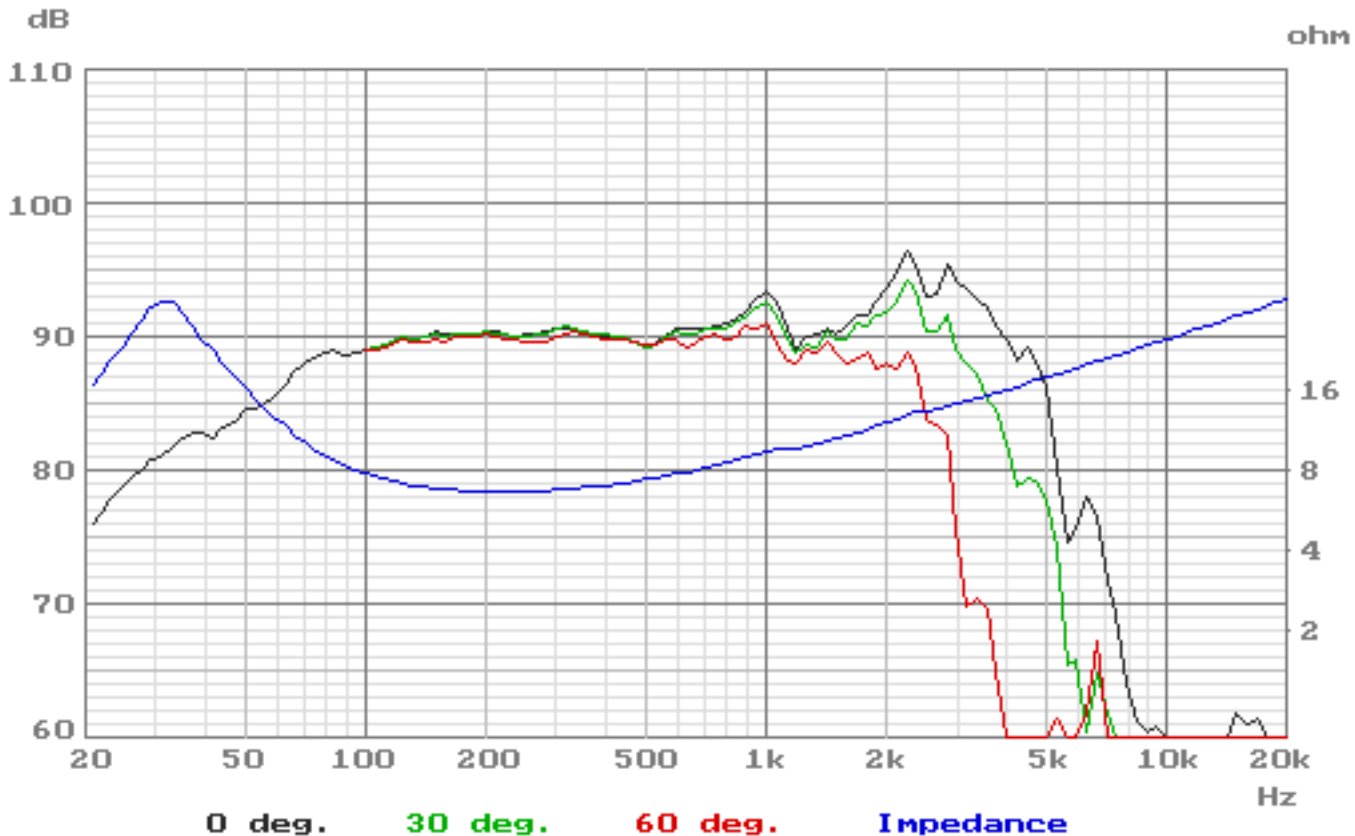
Resonance Frequency	fs	(Hz)	32.3	30.9
Mechanical Q factor	Qms		2.29	2.40
Electrical Q factor	Qes		0.45	0.47
Total Q factor	Qts		0.37	0.39
F (Ratio fs/Qts)	F	(Hz)		79
Mechanical resistance	Rms	(Kg/s)		1.87
Moving mass	Mms	(g)	21.1	23.1
Suspension compliance	Cms	(mm/N)		1.15
Effective cone diameter	D	(cm)		16.9
Effective piston area	Sd	(cm ²)		225
Equivalent volume	VAS	(ltrs)		82.4
Force factor	Bl	(N/A)		7.7
Reference voltage sensitivity Re 2.83V 1m at 213 Hz (Measured)		(dB)		89.7

Magnet and voice coil parameters:

Voice coil diameter	d	(mm)	33
Voice coil length	h	(mm)	14
Voice coil layers	n		2
Flux density in gap	B	(T)	1.13
Total useful flux		(mWb)	1.03
Height of the gap	hg	(mm)	6
Diameter of magnet	dm	(mm)	102
Height of magnet	hm	(mm)	16
Weight of magnet		(kg)	0.54

Power handling:

Long term Max System Power (IEC)	(W)	150
Max linear SPL (rms) / by power	(dB/W)	108/85



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