

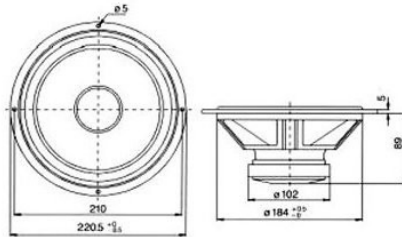
Peerless

8" WOOFER



831709

220 WR 33 102 PPX AL 8Ω



High-End CC line 8" woofer with low resonance. This woofer has got all the good features of the CC line programme such as short circuiting ring and spacer. It has rubber surround and an extra thick polypropylene cone. The low resonance makes it ideal for use as subwoofer and it is also very suitable for closed and reflex boxes two or three-way.

Thiele Small parameters:		Free air	Common	Baffled	Magnet and voice coil parameters:	
Nominal impedance	Znom (Ω):		8.0		Voice coil diameter	d (mm): 33
Minimum impedance/at freq.	Zmin (Ω/Hz):		5.4/173		Voice coil length	h (mm): 17.0
Maximum impedance	Zo (Ω):		29.3		Voice coil layers	n : 2
Dc resistance	Re (Ω):		5.0		Flux density in gap	B (T): 1.13
Voice coil inductance	Le (mH):		1.2		Total useful flux	Φ (mWb): 1.03
Capacitor in series with 8Ω (For impedance compensation)	Cc (μF):		6		Height of the gap	hg (mm): 6
Resonance frequency	fs (Hz):	25.0		24.3	Diameter of magnet	dm (mm): 102
Mechanical Q factor	Qms :	2.65		2.72	Height of magnet	hm (mm): 16
Electrical Q factor	Qes :	0.54		0.56	Weight of magnet	(kg): 0.54
Total Q factor	Qts :	0.45		0.46		
F (Ratio fs/Qts)	F (Hz):			52		
Mechanical resistance	Rms (kg/s):		1.98			
Moving mass	Mms (g):	33.4		35.4		
Suspension compliance	Cms (mm/N):		1.21		Power handling:	
Effective cone diameter	D (cm):		16.9		Longterm Max System Power (IEC)	(W): 150
Effective piston area	Sd (cm²):		225.0		Max linear SPL (rms)/by power	(dB/W): 107/105
Equivalent volume	Vas (l):		86.9		Frequency range for test signal:	20-5000 Hz
Force factor	BL (N/A):		6.9			
Reference Voltage Sensitivity Re 2.83V 1m at 173 Hz (Calculated)	(dB):		86.9			

Normal programme material signal with a crest factor of 6dB (IEC 268-5) is used in both tests

