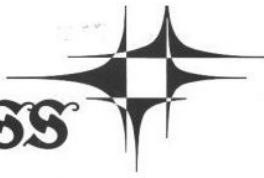


Peerless

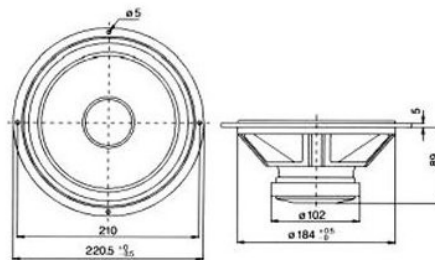


8" WOOFER



831758

220 WR 33 102 PPX AL 4Ω



High-End CC line woofer with low resonance. This woofer has got the same qualities as the 831709. However, the impedance is 4Ω. It should be used in systems where a higher sensitivity is required. We recommend this unit for closed or vented boxes where it can give a really low bass.

Thiele Small parameters:		Free air	Common	Baffled	Magnet and voice coil parameters:	
Nominal impedance	Znom (Ω):		4.0		Voice coil diameter	d (mm): 39
Minimum impedance/at freq.	Zmin (Ω/Hz):		3.8/181		Voice coil length	h (mm): 16.0
Maximum impedance	Zo (Ω):		21.5		Voice coil layers	n : 2+2
Dc resistance	Re (Ω):		3.5		Flux density in gap	B (T): 1.06
Voice coil inductance	Le (mH):		0.9		Total useful flux	Φ (mWb): 1.03
Capacitor in series with 4Ω (For impedance compensation)	Cc (μF):		27		Height of the gap	hg (mm): 8
Resonance frequency	fs (Hz):	22.1		21.5	Diameter of magnet	dm (mm): 115
Mechanical Q factor	Qms :	2.19		2.25	Height of magnet	hm (mm): 22
Electrical Q factor	Qes :	0.43		0.44	Weight of magnet	(kg): 0.87
Total Q factor	Qts :	0.36		0.37		
F (Ratio fs/Qts)	F (Hz):			58		
Mechanical resistance	Rms (kg/s):		2.16			
Moving mass	Mms (g):	34.0		36.0		
Suspension compliance	Cms (mm/N):		1.52		Power handling:	
Effective cone diameter	D (cm):		16.9		Longterm Max System Power (IEC)	(W): 150
Effective piston area	Sd (cm ²):		225.0		Max linear SPL (rms)/by power	(dB/W): 108/120
Equivalent volume	Vas (l):		109.1		Frequency range for test signal:	20-5000 Hz
Force factor	BL (N/A):		6.2			
Reference Voltage Sensitivity Re 2.83V 1m at 181 Hz (Calculated)	(dB):			88.8		

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

