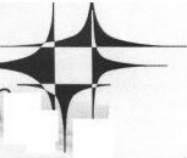


Peerless

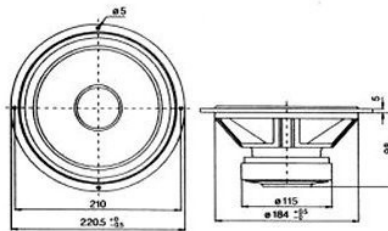


8" WOOFER



831858

220 WR 39 115 PPX AL DVC 8Ω+8Ω



High-End 8" subwoofer from our CC line with double voice coil. It has rubber surround, thick polypropylene cone and aluminium short circuiting ring in the extra heavy magnet system. The two coils have to be connected through cross-overs to each of the two stereo channels thus combining the bass power in the two channels in a common subwoofer. The subwoofer can be mounted in a small bass reflex enclosure. Alternative use is for a band-pass subwoofer or in a car for parcel shelf mounting or in a box under one of the seats.

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):		3.2/159		Voice coil length	h (mm): 23.0
Maximum impedance	Zo (Ω):		37.9		Voice coil layers	n : 2+2
Dc resistance	Re (Ω):		4.0		Flux density in gap	B (T): 0.85
Voice coil inductance	Lc (mH):		1.4		Total useful flux	Φ (mWb): 1.34
Capacitor in series with 4Ω (For impedance compensation)	Cc (μF):		69		Height of the gap	hg (mm): 8
Resonance frequency	fs (Hz):	23.4		22.9	Diameter of magnet	dm (mm): 115
Mechanical Q factor	Qms :	3.66		3.73	Height of magnet	hm (mm): 22
Electrical Q factor	Qes :	0.43		0.44	Weight of magnet	(kg): 0.87
Total Q factor	Qts :	0.39		0.39		
F (Ratio fs/Qts)	F (Hz):			58		
Mechanical resistance	Rms (kg/s):		1.92			
Moving mass	Mms (g):	47.6		49.6		
Suspension compliance	Cms (mm/N):		0.97		Power handling:	
Effective cone diameter	D (cm):		16.9		Longterm Max System Power (IEC)	(W): 200
Effective piston area	Sd (cm²):		225.0		Max linear SPL (rms)/by power	(dB/W): 108/300
Equivalent volume	Vas (l):		69.6		Frequency range for test signal:	20-20000 Hz
Force factor	BL (N/A):		8.1			
Reference Voltage Sensitivity	Re 2.83V 1m at 159 Hz (Calculated)		89.8			

Neosyl program material magnet with a cast factor of 6dB (IEC 268-5) is used in both tests

