

15.03.2008

## Embla Audio Filter / Loudspeaker Calculator and Simulator

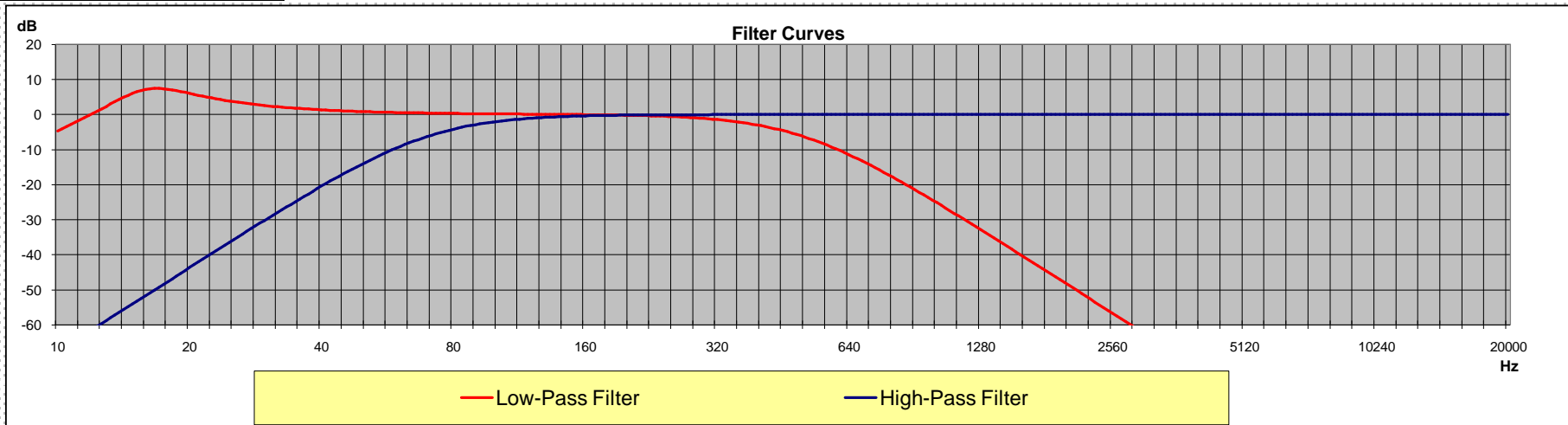
valid for EAF1.A

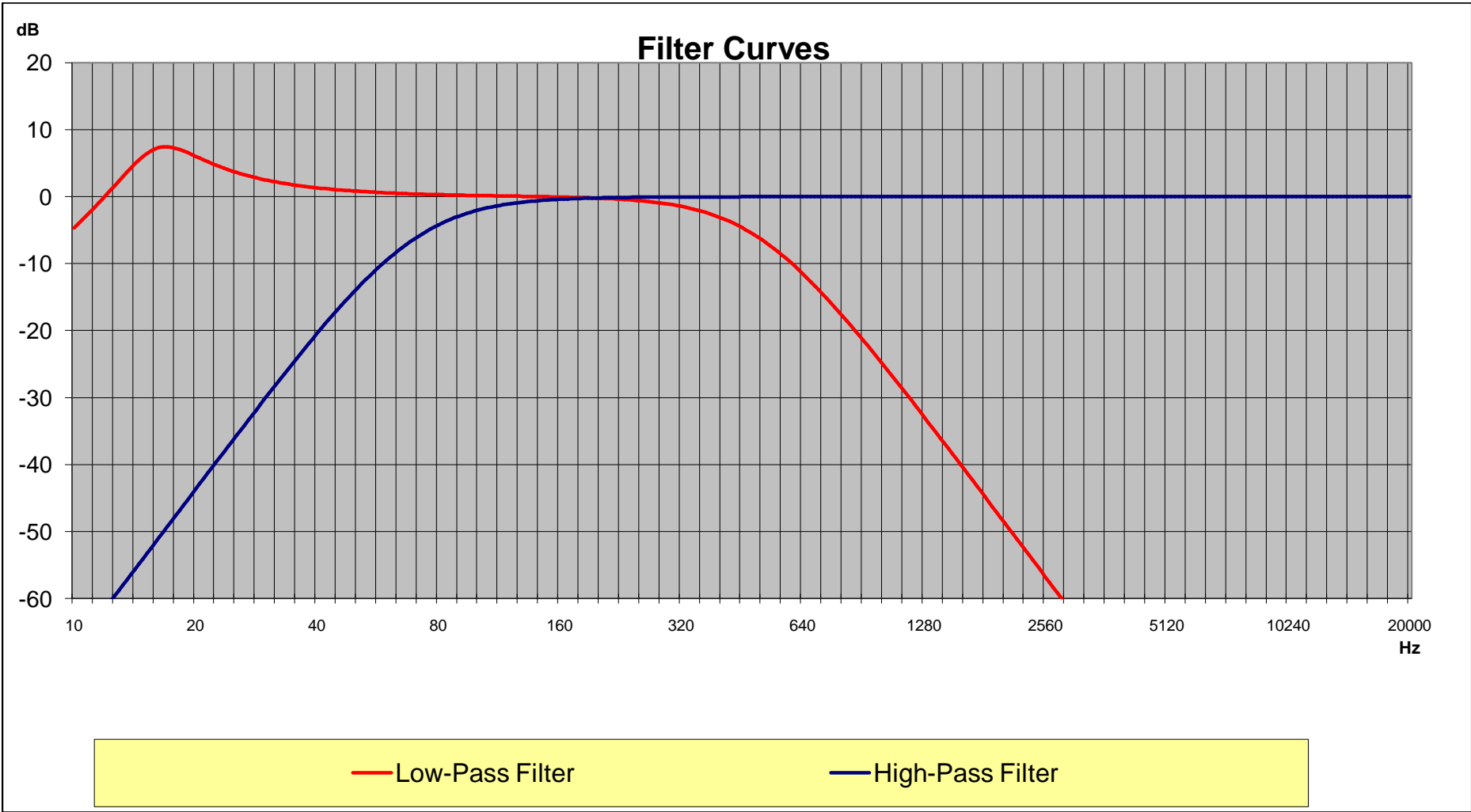
SW-version:A3

www.emblaaudio.no

LP SECTION NO. 1 (IC1A)		LP SECTION NO. 2 (IC2A)		EQ SECTION (IC3A)		HP section NO. 1 (IC2B)		HP SECTION NO. 2 (IC3B)		Input power:
Cut-off:	500 Hz	Cut-off:	500 Hz	Cut-off:	16 Hz	Cut-off:	70 Hz	Cut-off:	70 Hz	<b>2 W</b>
Q-value:	0,70	Q-value:	0,70	Q-value:	2,30	Q-value:	0,70	Q-value:	0,70	
C10:	10,0 nF	C13:	10,0 nF	C14, C15:	470,0 nF	C4, C3:	10,0 nF	C5, C6:	100,0 nF	
R14, R15:	22736 ohm	R16, R17:	22736 ohm	R18:	4601 ohm	R6:	162403 ohm	R8:	16240 ohm	
C8+C9:	19,6 nF	C11+C12:	19,6 nF	R19:	97355 ohm	R7:	318310 ohm	R9:	31831 ohm	
F(-3dB):	495 Hz	F(-3dB):	495 Hz	F(-3dB):	11 Hz	F(-3dB):	71 Hz	F(-3dB):	71 Hz	

Driver:		Sealed Box:		Vented Box:		Room-factor:		BAFFLE WIDTH		BAFFLE CORRECTION (IC1B)	
Fs:	23,37 Hz	Volume:	64 L	Volume:	30 L	0:Aneoc 1:Normal 2:Corner		35	cm	0:STRAP 9999999:OPEN	
Qts:	0,28	Q system:	0,50	Fb:	48 Hz	2				R4:	0 ohm
Vas:	44,74 L	F system:	42,17 Hz	Vent Dia:	6,20 cm	# of Drivers in each Cabinet:				C2:	2,2 nF
Sensivity:	84,6 dB @1W/1m	F(-3dB):	65,90 Hz	Vent Lenght:	10,53 cm	3				R3:	5600 ohm
Input Power:	2 W	Eff Vol:	19,83333 L	Min. Vent Dia:	20,87 cm						
Xmax:	20,00 mm			Ports:	1						
Qes:	0,30			Eff Vol:	8,70 L						
Diameter:	10,00 inch										
Pmax:	400,00 W										





# SoundSplinter RL-i10 - 3 Q=0,5 -2w.xls

